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Immune evasion in primary central nervous system lymphoma: macrophage and T cell roles in response to immunotherapy

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Author contributions

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Cell line maintenance, data analysis and perform assays: CPG, DMG, PFG, CH, GP

Experimental design, oversight and funding acquisition: KW, FB, MC

Drafted the first and revised manuscript versions: CPG, MC

All authors reviewed and edited the manuscript and are responsible for its contents.

Disclosures

KW reports patents/royalties (Stanford University, Whitehead Institute, Forty Seven, Gilead Sciences, ALX Oncology, DEM Biopharma, Inograft, Bitterroot Bio); co-founder, past or present scientific advisory board member, and equity holder (ALX Oncology, DEM Biopharma, Solu Therapeutics), stock ownership (Ginkgo Bioworks, Inograft). FB has received honoraria from Roche, Novartis, AstraZeneca, Lilly, BMS GmbH & Co KG, Merck, Johnson & Johnson/Janssen, BeiGene, Advantage Pharmaceuticals, ASCEND Therapeutics, and AbbVie; has served on advisory boards or as a consultant for AstraZeneca, Roche/Genentech, Janssen-Cilag, Lilly, AbbVie, Kite (a Gilead company), BeiGene, and Novartis; has participated in speakers’ bureaus for AbbVie, Janssen, Roche, AstraZeneca, Merck, Bristol Myers Squibb/Celgene, Kite/Gilead, and Johnson & Johnson/Janssen; has received research funding from Janssen, Gilead, Genentech and AstraZeneca; and has received travel support from AstraZeneca, BeiGene, Johnson & Johnson/Janssen, and AbbVie M.C. Honoraria: Janssen, Lilly and AstraZeneca. Research funding from Karyopharm, Janssen, AstraZeneca and Genetech. The other authors declare no competing interests.

Abstract

Primary central nervous system lymphoma is an aggressive extranodal lymphoma with poor prognosis, largely due to its capacity for immune evasion within the unique microenvironment of the CNS. Here, we investigated the interactions between macrophages and T cells in a syngeneic mouse model of PCNSL, manipulating macrophage/microglia populations and MHC class I expression on tumor cells to mimic patient-associated immune escape. We found that macrophages and microglia are indispensable for anti-tumor immunity and significantly enhance the efficacy of PD1 checkpoint blockade, particularly when tumor cells retain MHC-I expression. In contrast, depletion of these myeloid cells led to accelerated disease progression and diminished response to immunotherapy, highlighting the importance of both innate and adaptive immunity in PCNSL. Interestingly, MHC-I–deficient PCNSL did not respond to T cell–based therapies and was controlled exclusively by macrophages, rendering prognosis largely dependent on this alteration. Our findings support the need for therapeutic strategies that target both T cell and myeloid compartments and suggest that profiling MHC-I expression may help guide personalized immunotherapy approaches in this challenging disease.

Introduction

Primary Central Nervous System Lymphoma (PCNSL) is a rare and aggressive form of diffuse large B cell lymphoma (DLBCL) confined to the central nervous system (CNS), affecting the brain, spinal cord, leptomeninges, and/or eyes. It accounts for 4% of primary CNS tumors and 4-6% of extranodal lymphomas, with a median age at diagnosis of 67 years[1]. A high-dose methotrexate-based regimen followed by autologous stem cell transplantation is typically administered to fit patients, whereas whole-brain radiotherapy is often reserved for unfit patients. Despite these efforts, prognosis remains poor, with a median survival of 36 months, a five-year survival rate of 30%, and relapse occurring in 15-25% of cases, highlighting the urgent need for new therapies[2].

PCNSL belongs to the new term introduced in WHO-HAEM5 of primary large B cell lymphomas of immune-privileged sites[3]. Shared features include the activated B cell (ABC) subtype and frequent mutations in *MYD88* and *CD79B* as well as additional genetic alterations promoting immune evasion, which are hallmarks of the MCD/C5/MYD88 genetic subtype of DLBCL[4,5]. The brain is considered an immune-privileged organ due to the limited immune surveillance and unique microenvironment, which play a crucial role in the pathogenesis and progression of the disease[6]. Moreover, up to 70% of patients exhibit tumor genetic alterations involving deletion in the *HLA* locus (6p21) and loss of *B2M* (15q21.2), which leads to reduced MHC class I (MHC-I) surface expression[7,8]. These alterations contribute to low tumor antigen presentation and T cell recognition, preventing an efficient T cell-mediated anti-tumoral immune response[8]. Additionally, copy-number gain of CD274/PD-L1 (9p24.1) drives PD-L1 overexpression, which—together with MHC class I loss on lymphoma cells—enables immune evasion and is linked to poor clinical outcomes in PCNSL patients[9-11]. Given these immune checkpoint and antigen presentation defects, PD1 inhibitors like nivolumab have been explored clinically[12]. However, a phase II trial reported low response rates (ORR ~20-30%)[13], highlighting the need for further investigation.

Macrophages represent the predominant immune cells infiltrating PCNSL[14-17], and their abundance within the tumor microenvironment (TME) is associated with a favorable prognosis[16-18]. While the PD1/PD-L1 pathway has traditionally been considered a checkpoint regulating cytotoxic responses of activated T cells[19,20], recent studies have shown that tumor-associated macrophages (TAMs) can also express PD1, and its inhibition enhances their cytotoxic activity against malignant cells[21]. Additionally, MHC-I molecules on tumor cells can bind to LILRB1 on macrophages, delivering inhibitory signals that suppress phagocytosis[22]. For that reason, downregulation of MHC-I allows lymphoma cells to evade T cell recognition and cytotoxicity but simultaneously makes them more vulnerable to macrophage-mediated phagocytosis, particularly when inhibitory signals such as CD47 are effectively targeted[22]. Interestingly, macrophage immune checkpoints are strongly expressed in the tumor microenvironment of PCNSL patients[14,23]. Furthermore, our previous research using a PDX

preclinical model of PCNSL revealed high expression levels of both PD1 and SIRPα in tumoral infiltrating-macrophages[24]. This evidence highlights the strong interaction between malignant cells and macrophages in the brain and suggests that macrophages could serve as potent effector immune cells against PCNSL lacking MHC-I expression.

Herein, we assessed the infiltration and interaction of macrophages and T cells within the immune-evasive TME under immune checkpoint blockade. We achieved this using a PCNSL syngeneic mouse model by depleting macrophages and microglia, while simultaneously impairing cytotoxic T cell function through downregulation of MHC-I on malignant B cells. This intracerebral A20 implantation represents a robust preclinical model to study immunotherapies and tumor microenvironment in PCNSL, as demonstrated by others[24-26].

Methods

Additional details can be found in Supplementary data.

Cell Lines. The murine B cell lymphoma A20 cell line was obtained from ATCC and cultured in RPMI (ThermoFisher) supplemented with 10% FBS (ThermoFisher), 100 units/mL penicillin, 100 μg/mL streptomycin, and 292 μg/mL L-glutamine (ThermoFisher) and maintained in humidified incubators at 37ºC with 5 % CO_2. For stable luciferase expression, A20 cells were transfected with a luciferase-expressing vector (Fluc2 gene).

MHC-I downregulation. CRISPR-Cas9 was performed to generate downregulation of MHC-I expression in A20 cells (MHC-I KO A20) by disrupting *TAP1*. *TAP1* gRNA, Cas9 endonuclease and universal tracrRNA were obtained from Integrated DNA Technologies (IDT). The crRNA:tracrRNA complex was ensembled following the manufacturer's protocol and delivered by electroporation using the Neon™ Transfection System (ThermoFisher)[27].

Macrophage/Microglia depletion in mice. To achieve microglia depletion, mice were fed a chow diet supplemented with the CSF1R inhibitor pexidartinib (PLX3397, 290 mg/kg) for 21 days prior to intracerebral tumor implantation and maintained on this diet until endpoint. Systemic macrophages were depleted by intraperitoneal injections of clodronate liposomes at 50 mg/kg, administered daily for three consecutive days starting three days before tumor implantation, followed by twice-weekly maintenance dosing. Control groups received unsupplemented chow or PBS-containing liposomes.

***In vivo* modeling of PCNSL**. All experiments with animals were approved by the local Ethical Committee for the Use of Experimental Animals. Briefly, brains of eight-week-old BALB/c female mice were injected with 10^5 A20 cells expressing luciferase and tumor growth was monitored by bioluminescence imaging (BLI) using IVIS® Spectrum system and Living Image software (PerkinElmer).

Organ processing. Brains were collected in cold RPMI-1640 medium immediately after euthanasia. The two hemispheres were then separated with a razor blade. One hemisphere was dedicated to immunohistochemistry (IHC), while the other was processed for flow cytometry and RNA sequencing (RNA-seq). Single-cell suspensions from brains were obtained using the Tissue Neural Dissociation Kit (Papain) (Miltenyi Biotec) following the manufacturer's protocol[28].

Flow Cytometry. Cells were incubated with 1 μg IgG from rat serum (Sigma-Aldrich) per $1x10^6$ cells for 15 minutes at 4ºC, followed by staining with monoclonal antibodies for 20 minutes at 4 °C. Cells were acquired in a Navios™ cytometer (BeckmanCoulter) and data analyzed using FlowJo software (version 10.10).

Immunohistochemistry. Antigen retrieval, staining and counterstaining were performed at an Autostainer Link 48 (DAKO). Slides were scanned using NanoZoomer 2.0 HT Digital slide scanner C9600 and visualized using NDP.view 2 (Hamamatsu Photonics K.K).

Multiplexed Immunofluorescence and imaging analysis. Multiplex immunofluorescence (mIF) was performed on FFPE mouse brain sections using the Opal™ Multiplex IHC Assay (Akoya Biosciences). Slides from WT and MHC-I KO mice (IC and MMD PCNSL; NT and PD1–treated; day 15 post-implantation) were stained with a panel of purified rabbit anti-mouse antibodies (CD20, CD4, CD8, TMEM119, CD68, CD86, PD1, PD-L1, CD47). Fluorescent imaging was acquired on the Vectra Polaris™ system and analyzed in QuPath. Cell–cell interactions were defined as distances of 0.5–10 μm between segmented cells.

RNA sequencing. Total RNA was isolated from mice brains following tissue dissociation. RNA quantification was performed with Qubit™ RNA High Sensitivity kit (Invitrogen) in a Qubit™ fluorometer (Invitrogen). Samples were run on NovaSeq 6000 (Illumina) with a read length of 2 x 50bp paired end.

Statistical Analysis. The statistically significant differences between groups were assessed using the Mann-Whitney test or one or two-way ANOVA, and $P<0.05$ was considered significant. Survival curves were generated using the Kaplan-Meier method and statistically compared using the log-rank test. Analyses were performed using GraphPad Prism 6 software.

Results

***In vivo* primary central nervous system lymphoma modeling.** The detailed longitudinal timeline of the experimental procedure is presented in **Figure 1A**. To investigate the role of macrophages and MHC-I expression in PCNSL, we induced the disease in immunocompetent and macrophage-depleted 8-week-old BALB/c mice by intracerebrally injecting $1x10^5$

luciferase-expressing WT or MHC-I KO mature B cell lymphoma A20 cells[25]. Survival, tumoral growth, and immune cell characterization in the brain were assessed. In all models, tumor growth was monitored twice a week starting on day 7 post-tumor injection, with a total of six captures.

In our set up model, immunocompetent mice bearing WT PCNSL had a median survival of 45 days. Tumors were already detectable in some mice 7 days after brain injection (**Figure 1B**). At endpoint, anti-CD20 immunohistochemistry revealed multifocal tumor infiltrates affecting both cerebral hemispheres, predominantly the right hemisphere, with localization primarily in the brain parenchyma where lymphoma cells formed dense clusters. In some cases, the meningeal compartment was also involved (**Figure 1C**).

Intravenous treatment with anti-PD1, anti-CD47 or the combination of both was initiated seven days following the intracranial injection of tumor cells, with a dosage of 200 µg in 100 µL, administered twice per week. For survival experiments, mice received a total of seven injections (n=12 mice/group). Euthanasia was performed upon reaching humane endpoints, including weight loss, circling behavior, motor impairments, and increased head size. To investigate immune infiltration in the brain, the same groups were studied, and brains were harvested 15 days post-tumor inoculation (n=6 mice/group), following the administration of three treatment injections.

To study the role of macrophages in PCNSL, both systemic macrophages and brain microglia were depleted. Immunohistochemical staining for Iba-1 demonstrated complete depletion of systemic macrophages in the spleen and liver after three consecutive daily injections of clodronate liposomes prior to tumor induction (**Figure 2A**). Maintenance injections were given at the same concentration twice/week after tumor inoculation. In the same manner, partial microglia reduction in brain was achieved by continuously exposing mice to pexidartinib diet for 10 days, with complete depletion reached by day 21 (**Figure 2B**). At this point, PCNSL tumors were established with continuous exposure to pexidartinib diet until endpoint to ensure ongoing microglia depletion. We also assessed macrophage and microglia depletion in mice bearing PCNSL following this set up schedule. We evaluated CD11b expression by flow cytometry. Results showed a significant reduction in both myeloid cell populations in the TME at final point (**Figure 2C**), with only residual staining attributable to cellular debris, indicating significant depletion of both macrophages and microglia in the tumor-bearing brain at endpoint, which confirmed sustained depletion under the subsequent maintenance regimens (**Supplementary Figure 1A**).

To downregulate the surface expression of MHC class I on malignant cells, we employed CRISPR-Cas9 to target the *TAP1* gene. *TAP1* encodes a transporter involved in loading peptides onto MHC-I molecules[29] and its downregulation reduces surface MHC-I expression. Validation of the KO was performed through flow cytometry (**Figure 2D**) and Sanger sequencing (**Supplementary Figure 1B**).

Strong positive expression of PD-L1 and CD47 surface proteins in both WT and MHC-I KO A20 cells were detected by flow cytometry (**Supplementary Figure 1C**).

Lack of expression of MHC-I in primary CNS lymphoma induces a more aggressive disease and reduces overall survival.

To investigate the role of MHC-I expression in PCNSL, we induced the disease in immunocompetent mice by intracerebrally injecting luciferase-expressing WT or MHC-I KO A20 cells (n=12). Tumor progression was monitored by bioluminescence imaging, and survival was evaluated. Mice bearing MHC-I-negative tumors exhibited a more aggressive disease, with significant differences in tumor growth apparent as early as day 7 post-implantation, and continuing through later stages, compared to WT tumor growth (**Figure 3A**). To determine if the proliferative advantage of lymphoma cells was intrinsic to MHC-I downregulation, we cultured them *in vitro* under identical conditions; however, no significant differences in cell growth kinetics over time between WT A20 and MHC-I KO A20 cells were observed (**Figure 3B**). This faster-growing tumor translated into a significantly longer survival of WT tumor-bearing mice compared to MHC-I KO tumor-bearing mice (median survival: 39 days (WT, dark red line) vs. 26 days (MHC-I KO, light red line); P=0.002, Kaplan-Meier)) (**Figure 3C**). This suggests that MHC-I-negative lymphoma cells may possess a proliferative advantage *in vivo* within the brain microenvironment, where T cells are unable to recognize them and exert a cytotoxic effect. In this context of absence of the MHC-I-LILRB1 inhibitory signaling pathway, we hypothesize that macrophages may exhibit increased antitumoral activity. However, this potential increase in macrophage activation would not be reflected in the aggressiveness of MHC-I–negative PCNSL, possibly because, unlike T cells, macrophages may require additional stimulation. Consistent with this, MHC-II-deficient PCNSL exhibited comparable tumor growth and immune profiles to WT tumors in vivo (**Supplementary Figure 2**), emphasizing that MHC-I, rather than MHC-II, serves as a key determinant of immune control and a potential prognostic factor in PCNSL.

Macrophages control the tumoral growth in PCNSL and prolong mice overall survival.

To uncover the role of macrophages and microglia in PCNSL, we also injected WT or MHC-I KO A20 lymphoma cells into the brains of macrophage-depleted mice (n=12 per group) and assessed tumor growth and survival. Results demonstrated that both WT and MHC-I KO tumors exhibited a faster tumoral growth in the absence of macrophages in the tumor microenvironment compared to the same tumors growing in immunocompetent mice (**Figure 3D**). Accordingly, survival analysis also showed significant differences in immunocompetent mice compared to those without macrophages (**Figure 3C**). In macrophage-depleted mice, both WT (dark green line) and MHC-I KO (light green line) PCNSL had approximately the same short median survival rates (25 vs. 21 days; p=0.04), meaning that the absence of

macrophages and microglia cells is sufficient to induce a very aggressive disease, even in WT tumors.

To understand the aggressiveness of MHC-I KO tumors, it is important to note that survival of mice bearing MHC-I KO PCNSL with a fully intact immune cell compartment (light red line) closely mirrored that of mice carrying WT tumors growing in the absence of macrophages and microglia (dark green line) (26 vs. 25 days). This suggests that macrophages and/or microglia may play a critical role in controlling the initial tumoral growth of CNS lymphoma cells in the brain and supports the observation of limited T cell activity in MHC-I KO tumors, highlighting the necessity of stimulating the myeloid compartment to enhance an anti-tumoral immune response in this setting.

PD1-blockade immunotherapy is more effective when macrophages are present in the tumor microenvironment.

The loss of MHC-I surface expression in malignant cells resulted in more aggressive disease in our syngeneic mouse model of PCNSL. Recognizing the critical role of macrophages in controlling malignant cell growth within this microenvironment, we hypothesized that anti-PD1 treatment may exert anti-tumoral effects by enhancing macrophage phagocytic activity, even in the context of MHC-I downregulation. To investigate the roles of macrophages and T cells in the response to checkpoint inhibitors, we utilized both immunocompetent and macrophage-depleted mice bearing either WT or MHC-I KO PCNSL tumors. For each model, 48 mice were used and divided into two cohorts based on tumor type (WT A20 cells or MHC-I KO A20 cells; n=24 per cohort). Each cohort was then split into two treatment groups: vehicle control or anti-PD1 antibody (n=12 per group). Anti-PD1 therapy was initiated seven days after tumor induction and administered intravenously twice weekly for a total of seven doses.

Results showed that in WT CNS lymphoma, significant differences in tumor growth between treated and non-treated groups became apparent starting at day 14 post-tumor injection in immunocompetent mice (**Figure 4A,** dashed dark red line vs. solid dark red line). In contrast, in MHC-I KO CNS lymphoma, no significant differences in tumor growth were observed between anti-PD1-treated mice and the vehicle group at any timepoint, although a modest response to treatment was noted (**Figure 4A,** dashed light red line vs. solid light red line).

To evaluate the specific role of macrophages in the therapeutic activity of PD1 blockade, we compared vehicle-treated and anti-PD1 treatment groups in macrophage-depleted mice. As shown in **Figure 4B**, no significant differences were observed between control and anti-PD1 treatment in any group, indicating that a robust anti-PD1 treatment response is achieved when macrophages are present in the TME. In terms of survival, PD1 blockade significantly prolonged survival in immunocompetent mice bearing both WT PCNSL (dashed dark red line vs. solid dark red line; undefined vs. 39 days; P=0.0005) and MHC-I KO PCNSL (dashed light red line vs. solid light red line 43.5 vs. 26 days; P=0.0002) (**Figure 4C**). Notably, the survival

of IC mice with MHC-I KO tumors treated with anti-PD1 was comparable to that of non-treated mice bearing WT tumors (dashed light red line vs. solid dark red line; 43.5 vs. 39 days). Interestingly, in the absence of macrophages and microglia, only those bearing WT PCNSL tumors had a significant survival advantage from treatment (dashed dark green line vs. solid dark green line; 50 vs. 25 days; p=0.005). MHC-I KO tumor-bearing mice did not respond to anti-PD1 treatment in macrophage-depleted mice (dashed light green line vs. solid light green line; 19 vs. 21 days) (**Figure 4D**).

Overall, anti-PD1 treatment is less effective in the absence of macrophages and microglia in both genetic scenarios, suggesting myeloid cells actively participate in the anti-tumoral response to the treatment in PCNSL. We confirm that MHC-I-negative CNS lymphomas can only be controlled by macrophages. However, PD1 blockade alone is insufficient to reduce the aggressiveness of MHC-I KO CNS tumors, indicating that disrupting the PD1/PD-L1 interaction does not fully engage macrophages to eliminate the tumors.

Blocking CD47- SIRPα immunecheckpoint pathway is not enough to engage a complete macrophage anti-tumoral response in MHC I-negative CNS lymphomas.

To explore immunotherapies that can further potentiate macrophage anti-tumoral activity in MHC-I-negative CNS lymphomas, we next treated mice bearing WT or MHC-I KO tumors with either anti-CD47—targeting the key macrophage immune checkpoint CD47-SIRPα pathway—alone or in combination with anti-PD1. Interestingly, significant improvement in survival was observed only in MHC-I-negative PCNSL mice compared to controls (dashed light purple line vs. solid light purple line; 37 vs. 26 days; p=0.0017) (**Figure 5A**), suggesting that macrophages are more active against MHC-I KO tumors under CD47 blockade (**Supplementary Figure 3A**). However, MHC-I KO PCNSL presented general lower responses than WT PCNSL to anti-PD1, anti-CD47 and combination treatments (**Supplementary Figure 3B)**. We observed no synergistic effect of the combination across tumor types (**Figure 5B**), which we confirmed *in vitro* by co-culturing SG+ MHC-I KO A20 cells with BALB/c macrophages and quantifying tumor growth over 7 days (**Supplementary Figure 3C**). Treatment with the combination showed no enhanced phagocytosis or further reduction in tumor cell growth.

Overall, these results indicate that MHC-I KO CNS lymphomas remain highly aggressive under CD47 blockade, and that this immune checkpoint inhibition is insufficient to improve outcomes in mice bearing these tumors. An important observation from these results is that macrophages respond, at least partially, to these immunotherapies, indicating their potential as effector immune cells in treating MHC-I-negative CNS lymphomas. Additional immunotherapies need to be explored to fully activate macrophage-mediated cytotoxicity against these tumors.

Macrophages and microglia drive immune suppression and modulate T cell infiltration.

To further characterize macrophages and T cells participating in the antitumor response, we

harvested brains on day 15 after tumor induction and analyzed the infiltrating immune cell populations by flow cytometry, IHC and multiplexed IF. Our analyses revealed a significant association between the abundance of myeloid cells in the tumor microenvironment and the expression of immune checkpoints on tumor cells.

By immunohistochemistry, we observed a stronger infiltration of $CD3^+$ T cells in WT PCNSL tumors compared with MHC-I KO tumors in immunocompetent mice (**Figure 6A, Supplementary Figure 4).** This difference was also maintained in macrophage-depleted tumors, although overall infiltration levels were markedly lower, confirming that macrophages are required to sustain a full T cell infiltration and effective immune response. Multiplexed immunofluorescence confirmed that tumor-infiltrating T cells were exclusively $CD8^+$ cytotoxic T cells, indicating that antitumor immunity in PCNSL primarily depends on MHC-I rather than MHC-II pathways.

Interestingly, expression of PD-L1 and CD47 on tumor cells were markedly reduced in the absence of macrophages and microglia (**Figure 6B**). This finding correlates with the diminished infiltration of $CD8^+$ T cells observed in macrophage-depleted tumors, indicating impaired T cell activation compared to immunocompetent mice. In contrast, immunocompetent tumors exhibited a coordinated immune response characterized by high infiltration of $CD86^+$ macrophages and $CD8^+$ T cells in the tumor core, where interactions between immune cells (macrophages in orange and $CD8^+$ T cells in green) and tumor cells (purple) were highly evident (**Figure 6C**). Notably, T cells were absent from non-tumoral regions, highlighting their specific recruitment to the tumor site.

We hypothesize that myeloid cells may actively shape an “immune-hot” microenvironment, which promotes upregulation of immune checkpoints on lymphoma cells as an adaptive response to immune pressure. In a setting with intact macrophages, tumor cells expressing higher levels of PD-L1 and CD47 are likely preferentially selected, as these molecules inhibit macrophage-mediated phagocytosis and thereby protect lymphoma cells from clearance.

Interestingly, this pattern was reversed in the MHC-I–deficient setting, where PD-L1 and CD47 expression on lymphoma cells was reduced (**Figure 6B**). In this MHC-I-deficient context, we consistently observed reduced T cell infiltration and activation (**Figure 6A,C; Supplementary Figure 4**), reflecting a lower adaptive antitumor immunity due to failed antigen presentation and cytotoxic T lymphocyte priming. These data reveal that T cells—rather than macrophages alone—serve as the dominant upstream regulators of checkpoint upregulation within the lymphoma tumor microenvironment. Specifically, CD8+ T cells would provide the primary IFNγ signal that transcriptionally induces PD-L1 (via JAK1/STAT1/IRF1) and CD47 (through parallel STAT1 and IRF1 activation) as an adaptive resistance mechanism, creating a feed-forward loop where initial tumor recognition paradoxically amplify immune inhibitory ligands. Macrophages would amplify this circuit secondarily via TNFα/IL-6 but cannot independently sustain it without T cell-derived IFNγ, explaining why both MHC-I loss (eliminating T cell

activation) and macrophage depletion (removing amplification) independently attenuate checkpoint expression on lymphoma cells.

Overall, in our experiments, a robust antitumoral response was only observed when lymphoma cells expressed MHC-I, enabling effective T cell activity that synergized with macrophage function. Conversely, loss of either T cell–mediated recognition (through MHC-I deficiency) or macrophage activity (through cell depletion) is associated with lower immune checkpoint expression and a more aggressive tumor phenotype, highlighting that macrophages alone, in the absence of T cell help or therapeutic intervention, are insufficient to control MHC-I–deficient lymphoma.

In the myeloid compartment, microglia were the most prevalent non-tumoral immune cells throughout the brain parenchyma, and macrophages had already infiltrated the TME by day 15. As previously demonstrated in a preclinical model of PCNSL[24], these cells were highly concentrated in proximity to $CD20^+$ tumoral cells, suggesting a direct interaction with the tumor (**Figure 6D**).

Both microglial cells and macrophages ($Iba1^+$ cells) located within the tumor displayed enlarged cell bodies and more complex branching compared to those in non-tumoral regions, where Iba1 staining was weak. Such morphological activation has previously been associated with improved outcomes in CNS lymphoma patients[16-18]. To determine whether microglia contribute to the antitumor response, we assessed TMEM119 expression by immunofluorescence and found that these exhibited activated, enlarged morphologies specifically when in contact with tumor cells, supporting their role in the local immune response (**Figure 6E**). This pattern was consistently observed across all tumor settings in which microglia were present, indicating that these resident immune cells can respond to the tumor independently of tumor type or therapeutic strategy.

The percentage of macrophages among total $CD11b^+$ cells was higher in MHC-I KO tumors, suggesting increased infiltration of these cells, potentially due to the aggressiveness of the tumor (**Figure 6C,F**). Immunofluorescence analysis revealed that most infiltrating macrophages expressed CD86, consistent with an activated phenotype. Moreover, PD1 expression in macrophages was significantly higher in WT PCNSL (**Figure 6G)**. This suggests that higher PD-L1 expression in WT tumor cells likely leads to greater macrophage engagement through PD1, triggering increased PD1 expression on macrophages as a feedback mechanism. A slight but not significant decrease of SIRPα was also observed.

PD1 blockade triggers a T cell–dependent antitumor response that requires MHC-I expression in PCNSL.

Because the absence of an effective antitumor response in MHC-I-negative tumors was not due to the absence of major immune cell subsets in the brain, we first examined PD1 expression on T cells as a marker of activation in untreated tumors. We found a significantly

lower frequency of $PD1^+$ $CD3^+$ T cells within MHC-I KO tumors compared to WT tumors (**Figure 7A**), confirming that T cell activation and antitumor effector function are reduced in the absence of MHC-I in PCNSL. Upon anti–PD1 treatment, WT tumors exhibited a pronounced increase in T cell infiltration within the tumoral area (**Figure 7B**), accompanied by a strong upregulation of PD1 on T cells and elevated PD-L1 expression on tumor and immune cells (**Figure 7C, Supplementary Figure 5**), consistent with an active, IFN-γ–driven immune response. In contrast, this treatment-induced T cell infiltration and immune activation were largely absent in MHC-I KO tumors, indicating that effective T cell recognition through MHC-I is necessary to mount a productive response to checkpoint blockade. As expected, CD47 blockade failed to promote T cell recruitment into the tumor microenvironment. Interestingly, in macrophage-depleted mice, anti–PD1–induced T cell infiltration into WT tumors was maintained (**Figure 7B**).

Multiplex immunofluorescence analysis of cellular interactions revealed that the number of close contacts between $CD8^+$ T cells and $CD20^+$ tumor cells was significantly increased in anti–PD1–treated WT tumors compared to non-treated controls (**Figure 7D**).

Infiltration of Iba1+ myeloid cells (macrophages and microglia) within the tumor microenvironment was comparable across groups in immunocompetent mice (**Figure 7E**). Also, multiplexed IF revealed similar microglia distributions across samples, and elevated CD86+ macrophage infiltration in MHC-I KO PCNSL tumors; however, the small sample size precludes strong conclusions.

T cell-to-macrophage ratios were higher in WT PCNSL tumors, particularly under anti-PD1 treatment (**Figure 7F**), which indicates T cell dominance, and is generally associated with improved prognosis in cancer[30]. This spatial organization supports enhanced T cell–tumor engagement crosstalk following PD1 blockade, further highlighting the dependence of an effective antitumor immune response on MHC-I–restricted T cell recognition.

RNA-seq analysis highlights MHC-I-dependent T cell activation and immune surveillance in PCNSL.

To investigate differences in gene expression, we performed RNA-seq on brains extracted from mice 15 days after tumor induction. Using supervised analysis, we compared the gene expression profiles of IC mice and macrophage-depleted mice. This analysis revealed significant differential gene expression between the two groups. In mice bearing WT PCNSL tumors, 1534 genes were upregulated and 1284 were downregulated in IC conditions compared to macrophage-depleted conditions (**Supplementary Table 1).** Similarly, in mice bearing MHC-I KO PCNSL tumors, 414 genes were upregulated and 323 were downregulated under the same comparison (**Supplementary Table 2**).

To understand the biological roles of these differentially expressed genes, we conducted Gene Set Enrichment Analysis (GSEA) using the mouse Reactome database. In WT PCNSL tumors

we observed a significant upregulation of pathways associated with MHC-I signaling, PD1, and CD3/TCR phosphorylation in immunocompetent mice compared to their counterparts in macrophage-depleted mice (**Figure 8A**). These findings suggest that in the absence of macrophages and microglia, compensatory T cell activation occurs, which slows tumor growth. In contrast, in MHC-I KO PCNSL tumors, the absence of T cell activation led to significantly more aggressive tumor growth. This is driven by the upregulation of pathways associated with proliferation, mitosis, and cytokine/interleukin signaling, highlighting the critical role of immune surveillance in controlling tumor progression (**Figure 8B**).

We further interrogated the dataset by directly comparing the transcriptional effects of anti-PD1 treatment and MHC-I depletion. PD1 blockade led to upregulation of immune activation and interferon response pathways in WT PCNSL tumors, in both immunocompetent and macrophage-depleted mice, consistent with enhanced immune effector activity (**Supplementary Figure 6A,B; Supplementary Table 3 and 4**). This was not observed in MHC-I KO PCNSL tumors. In contrast, MHC-I deficiency was associated with upregulation of DNA repair, replication stress, and chromatin remodeling pathways, indicating activation of proliferative and genome-stabilizing programs in MHC-I-deficient tumors (**Supplementary Figure 6C; Supplementary Table 5**).

These findings emphasize the important role of MHC-I in immune-mediated tumor control and reveal distinct transcriptional responses to PD1 blockade which are dependent to MHC-I expression in the TME.

Discussion

Our research highlights the dynamic interplay between malignant cells, macrophages, and T cells within the TME of primary CNS lymphoma. We demonstrate that macrophages play a crucial role in the pathogenesis of primary CNS lymphoma as well as in the anti-tumor response to immune checkpoint blockade.

In many solid tumors, tumor-associated macrophages frequently adopt an immunosuppressive M2-like phenotype that facilitates tumor progression and diminishes the efficacy of immune checkpoint blockade. To counteract this, agents such as pexidartinib are being investigated for their capacity to deplete or reprogram these macrophages, with promising results in shifting them toward a pro-inflammatory, anti-tumoral M1-like phenotype[31]. This strategy has also shown encouraging effects in preclinical lymphoma models—including DLBCL, follicular lymphoma, and Burkitt lymphoma—by enhancing macrophage-mediated anti-tumor responses[32]. However, Gao et al. demonstrated that CSF1R inhibition using pexidartinib after PCNSL induction in mice paradoxically accelerated tumor progression[17]. This divergence likely reflects the distinct immunologic landscape of the CNS, where infiltrating macrophages and resident microglia exhibit context-dependent functions. In our experimental model, depletion of these myeloid populations prior to tumor implantation similarly resulted in

a more aggressive disease phenotype. Herein, we confirmed that macrophages and microglia serve as anti-tumoral effectors in PCNSL. Microglial cells, in particular, may act as the first immune cells to engage tumor cells in the CNS, shaping the subsequent immune landscape and influencing the timing and extent of macrophage and T cell infiltration. Consistent with our findings, several studies have demonstrated that macrophages robustly infiltrate the brain in human PCNSL and constitute a major component of the tumor microenvironment[15-18]. Komohara et al.[15] analyzed tumor samples from 43 PCNSL patients and showed by IHC that $CD86^+$ macrophages constitute a predominant population within the tumor microenvironment. Nam et al.[16] examined 104 PCNSL specimens and observed significant infiltration of macrophages, with higher $CD86^+$ cell densities correlating with improved PFS. Gao et al.[17] analyzed 62 diagnostic specimens from immunocompetent PCNSL patients and found that lower density and smaller size of CD68+ TAMs significantly correlated with shorter OS. Interestingly, strong TAP1 expression independently predicted improved PFS, supporting the protecting role of tumor-associated macrophages against PCNSL progression. Moreover, Pollari et al.[18] further characterized macrophage subpopulations and found that a high proportion of $PD\text{-}L1^+CD68^+$ macrophages was associated with improved overall and disease-specific survival.

In our macrophage-competent PCNSL mouse models, PD1 blockade was significantly more effective than in macrophage-depleted models, highlighting a crucial and non-redundant role for macrophages and microglia in the response to anti-PD1 therapy, besides the expected role of cytotoxic T lymphocytes. This effect was further enhanced in tumors retaining intact MHC-I expression. Together, our findings suggest that effective T cell activation in PCNSL depends on the coordinated involvement of both macrophages and microglia, emphasizing the importance of antigen cross-presentation in linking innate and adaptive anti-tumor immunity within the CNS microenvironment. Preclinical and clinical studies provide a strong biological rationale for targeting PD1 in PCNSL[12,25]. Early-phase clinical trials have shown promising initial responses in relapsed or refractory PCNSL patients[12]; however, these are often short, with most patients eventually experiencing relapse. A major factor limiting the durability of PD1 blockade is the loss of MHC-I expression in tumor cells, as also demonstrated in our findings. Consistent with this, few studies have corroborated the loss of HLA class I expression in patients, associated with outcome[8-10]. Riemersma et al.[10] reported total loss of HLA-A expression in 60% of extranodal lymphomas—including primary CNS and testicular lymphomas, both considered immune-privileged sites—compared with only 10% in nodal cases. Interestingly, Geng et al.[7] correlated genomic lesions at the HLA class I locus with clinical outcomes in PCNSL. In their cohort of 78 patients, 6p CN-LOH/6p21.3 homozygous deletions affecting HLA-A, -B, and -C in 16 cases defined a high-risk subgroup with significantly shorter progression-free and overall survival. Furthermore, Alame et al.[9] observed that lower HLA gene expression is associated with an immune-poor TME correlated with bad prognosis in patients. This establishes impaired HLA class I–mediated antigen presentation as a major prognostic factor clinically associated with poorer outcomes in PCNSL patients.

While loss of HLA class I expression in lymphomas arising in immune-privileged sites such as PCNSL may appear to be a redundant immune evasion benefit given the low baseline immune surveillance in these compartments, it remains to be investigated whether such genomic alterations represent a positive selection feature. These mutations might allow tumor cells to proliferate in these sites without triggering any unwanted immune response, potentially facilitating tumor growth through subtle modulation of local immunity rather than overt immune evasion.

A limitation of our study is the use of the intracerebral A20 model. Although this model is robust and widely employed to investigate pathogenesis and evaluate novel therapeutic strategies in PCNSL, it does not fully recapitulate the natural clinical origin or B cell tropism observed in human disease. Accordingly, caution is warranted when extrapolating these findings to patients. Despite these limitations, the model remains a valuable tool for dissecting CNS-specific immune mechanisms within a controlled experimental setting.

Collectively, therapeutic strategies must go beyond T cell reinvigoration and include targeting of the macrophage–microglia compartment. Such combinatorial approaches could bypass the need for MHC-I–dependent immune recognition and address the immune resistance observed in PCNSL.

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Figure legends

Figure 1. Primary central nervous system lymphoma *in vivo* set up. A, Overview of the experimental design and timeline. **B,** Bioluminescence imaging of mice bearing PCNSL, captured from day 7 to day 42 post-tumor injection at 7-day intervals. Quantification of tumoral growth and survival curves are represented. **C,** CD20 immunohistochemical staining of mouse brain sections with PCNSL. Presence of lymphoma cells within the brain parenchyma and meninges is indicated by red arrows. Whole-brain images are displayed at 0.6x magnification, while higher-resolution images focusing on the parenchyma and meninges are shown at 10x magnification.

Figure 2. Macrophage/microglia depletion and MHC-I knockout set up. A,B, Microglia and macrophage staining. IHC of Iba-1-stained macrophages in FFPE spleen and liver sections from mice treated with clodronate liposomes, comparing control (day 0) and different timepoints. Images were captured at 10x magnification (**A**). IHC of Iba-1-stained microglia in FFPE brain sections from mice treated with the anti-CSF1R drug pexidartinib (PLX3397) at baseline (day 0), day 10, and day 21 post-treatment (**B**). **C,** Detection of CD11b+ macrophages and microglia by flow cytometry after PCNSL induction. Macrophages identified as $CD45^{high}CD11b^{+}$ cells (left graph) and microglia identified as $CD45^{low}CD11b^{+}$ cells (right graph) in brain tissue. Plots show percentages of cells (out of singlets) in PCNSL-induced immunocompetent mice (red) and macrophage-depleted mice (green). Significant differences are indicated by **p-value < 0.01 and ****p-value < 0.0001, as determined using the Mann-Whitney test. **D,** Validation of MHC-I knockout by CRISPR-Cas9 using flow cytometry. Dot plots and histogram showing surface expression of MHC-I in A20 cells. Constitutive expression in WT A20 is shown, as well as expression after the CRISPR.

Figure 3. Tumoral growth and survival of immunocompetent and macrophage-depleted mice bearing either WT or MHC-I KO PCNSL. A, *In vivo* growth of WT and MHC-I KO A20 cells in brains of immunocompetent mice. Sample size is n = 12 per group. Data are presented as mean BLI intensity (ph/s) ± SEM. Significant differences are indicated by **p-value < 0.01 and ***p-value < 0.001, as determined using the Mann-Whitney test. **B,** *In vitro* growth of WT and MHC-I KO A20 cells. Proliferation was assessed by counting viable cells every 24 hours using flow cytometry with counting beads. Data are presented as the mean of two replicates ± SEM. Dark red represents WT cells, while light red indicates MHC-I KO cells. **C,D,** Results are organized into two groups comparing immunocompetent (IC) and macrophage-depleted mice. Within each group, mice were induced with either WT PCNSL (dark red for IC and dark green for macrophage-depleted mice) or MHC-I KO PCNSL (light red for IC and light green for macrophage-depleted mice). Kaplan-Meier survival plot represents the probability of survival

over 80 days, with median survival days indicated for each group. Numbers at risk for days 20, 40, 60 and 80 are shown. Significant differences in survival are shown by p-values determined using the Log-rank test (**C**). Tumor growth curves are displayed as mean bioluminescence intensity ± SEM for each group over time until day 21. Mann-Whitney tests were conducted to compare tumor types growing in macrophage-depleted mice with their respective tumor types in IC mice at each timepoint, with significant differences indicated by *$p < 0.05$ and **$p < 0.01$ (**D**). IC = Immunocompetent mice; MD = Macrophage-depleted mice.

Figure 4. Anti-PD1 treatment effect on tumoral growth and survival in PCNSL mouse models. A,B, Tumoral growth in mice bearing PCNSL treated with anti-PD1. Tumor growth curves are shown for each group over time, up to day 21 or 28 (until last timepoint with all mice alive), in immunocompetent mice (**A**) and macrophage-depleted mice (**B**), bearing either WT or MHC-I KO PCNSL. Solid lines represent non-treated groups, while dashed lines represent groups treated with anti-PD1. Sample size is n=12 mice/group. Data is presented as mean bioluminescence intensity ± SEM. The legend provides color-coded lines for the different groups. **C,D,** Kaplan-Meier survival curves of mice bearing PCNSL. Survival plots illustrating the probability of survival over 80 days for immunocompetent mice (**C**) and macrophage-depleted mice (**D**), bearing either WT or MHC-I KO PCNSL. Median survival days for each group are indicated below the curves. Solid lines represent non-treated groups, while dashed lines represent groups treated with anti-PD1. Numbers at risk for days 20, 40, 60 and 80 are shown. Significant differences in survival are represented by p-values determined using the Log-rank test. CTL=Control (Vehicle)

Figure 5. Anti-CD47 and combination treatments effect on survival in immunocompetent PCNSL mouse models. A,B, Kaplan-Meier survival curves of mice bearing PCNSL. Survival plots illustrating the probability of survival over 80 days for IC mice with WT PCNSL and MHC-I KO PCNSL. Mice were treated with anti-CD47 treatment (**A**), or combination of anti-PD1 and anti-CD47 treatments (**B**). Median survival days for each group are indicated below the curves. Significant differences in survival are represented by p-values determined using the Log-rank test. CTL=Control (Vehicle).

Figure 6. Characterization of immune cell infiltration in mouse brains with PCNSL. A, Percentages of infiltrating CD3+ T cells were quantified in the tumoral area of IHC slides using QuPath (number of CD3+ cells / number of CD20+ cells × 100). Five vehicle-treated samples per group were analyzed (n=5). Significant differences between groups were assessed using the Mann-Whitney U test. **B,** Surface expression of PD-L1 and CD47 on tumor cells. Data is represented by MFI. Purple represents WT PCNSL, while maroon represents MHC-I KO PCNSL. Significant differences between groups were determined using the Mann-Whitney U

test, with p-values indicated. **C,** Representative images of the tumor microenvironment from multiplexed immunofluorescence (IF) staining (rabbit anti-mouse CD20, CD86, and CD8) in vehicle-treated mouse brains. Images derive from immunocompetent and macrophage-depleted mice bearing WT or MHC-I KO PCNSL tumors. Top row: 100–500 µm scale; bottom row: 50 µm zoom-in. **D,** Immunohistochemistry of brain tissue stained for CD20+ tumor cells. The same region stained for Iba-1, showing the distribution of macrophages and microglia. High infiltration of macrophages and the increased size of both macrophages and microglia in areas with a high concentration of tumor cells is shown. Brains were extracted from immunocompetent mice bearing either WT or MHC-I KO PCNSL. 100 µm scale. **E,** Representative images of TMEM119-stained tumoral and non-tumoral areas, highlighting microglia. Scale bar, 20 µm. **F,** Percentage of macrophages out of $CD11b^+$ cells by flow cytometry. Purple represents WT PCNSL, while maroon represents MHC-I KO PCNSL. Significant differences between groups were determined using the Mann-Whitney test, with p-values indicated. **G,** Expression of PD1 and SIRPα, represented by MFI, in macrophages. Expression of markers was performed by flow cytometry of brain samples from WT or MHC-I KO tumor-bearing immunocompetent mice. Significant differences between groups were determined using the Mann-Whitney test, with p-values indicated.

Figure 7. Effect of immunecheckpoint blockade treatment in immune cell infiltration in mouse brains with PCNSL. A, MFI expression of PD1 in T cells. Expression was checked in non-treated immunocompetent and macrophage-depleted mice bearing WT and MHC-I PCNSL. **B,** Percentages of infiltrating CD3+ T cells were quantified in the tumoral area of IHC slides using QuPath (number of CD3+ cells / number of CD20+ cells × 100). Samples from immunocompetent and macrophage-depleted mice bearing WT or MHC-I KO tumors—treated with vehicle, anti-PD1, or anti-CD47—were analyzed (n=5 per group). Significant differences between groups were determined using the Mann-Whitney U test. **C,** Representative images of the tumor microenvironment from multiplexed immunofluorescence (IF) staining (rabbit anti-mouse CD20, CD86, and CD8 in the top row, and DAPI, PD1 and PDL1) in vehicle-treated mouse brains. Images derive from immunocompetent and macrophage-depleted mice bearing WT or MHC-I KO PCNSL tumors. Top row: 100–500 µm scale; bottom row: 50 µm zoom-in. **D,** Percentage of CD20+ tumor cells interacting with CD8+ T cells within the tumoral area in vehicle- and anti-PD1–treated mice bearing WT or MHC-I KO PCNSL. Interactions were defined as cell–cell proximity <15 µm using QuPath. **E,** Percentages of infiltrating Iba1+ cells quantified in the tumoral area of IHC slides using QuPath (number of Iba1+ cells / number of CD20+ cells × 100). Samples from immunocompetent and macrophage-depleted mice bearing WT or MHC-I KO tumors—treated with vehicle, anti-PD1, or anti-CD47—were analyzed (n=5 per group). **F,** T cell/macrophage ratios were calculated as CD3+/Iba1+ cell numbers in the same groups as in Figure 7E.

Figure 8. Pathway enrichment analysis comparisons between groups A,B, Bar plots representing normalized enrichment scores (NES) from Gene Set Enrichment Analysis (GSEA) using the Reactome database, comparing immunocompetent (IC) mice to macrophage-depleted mice bearing either WT PCNSL (**A**) or MHC-I KO PCNSL (**B**). The x-axis displays the enriched pathways, while the y-axis shows the NES values. Pathways are colored according to their statistical significance, indicating adjusted p-values.

Figure 1

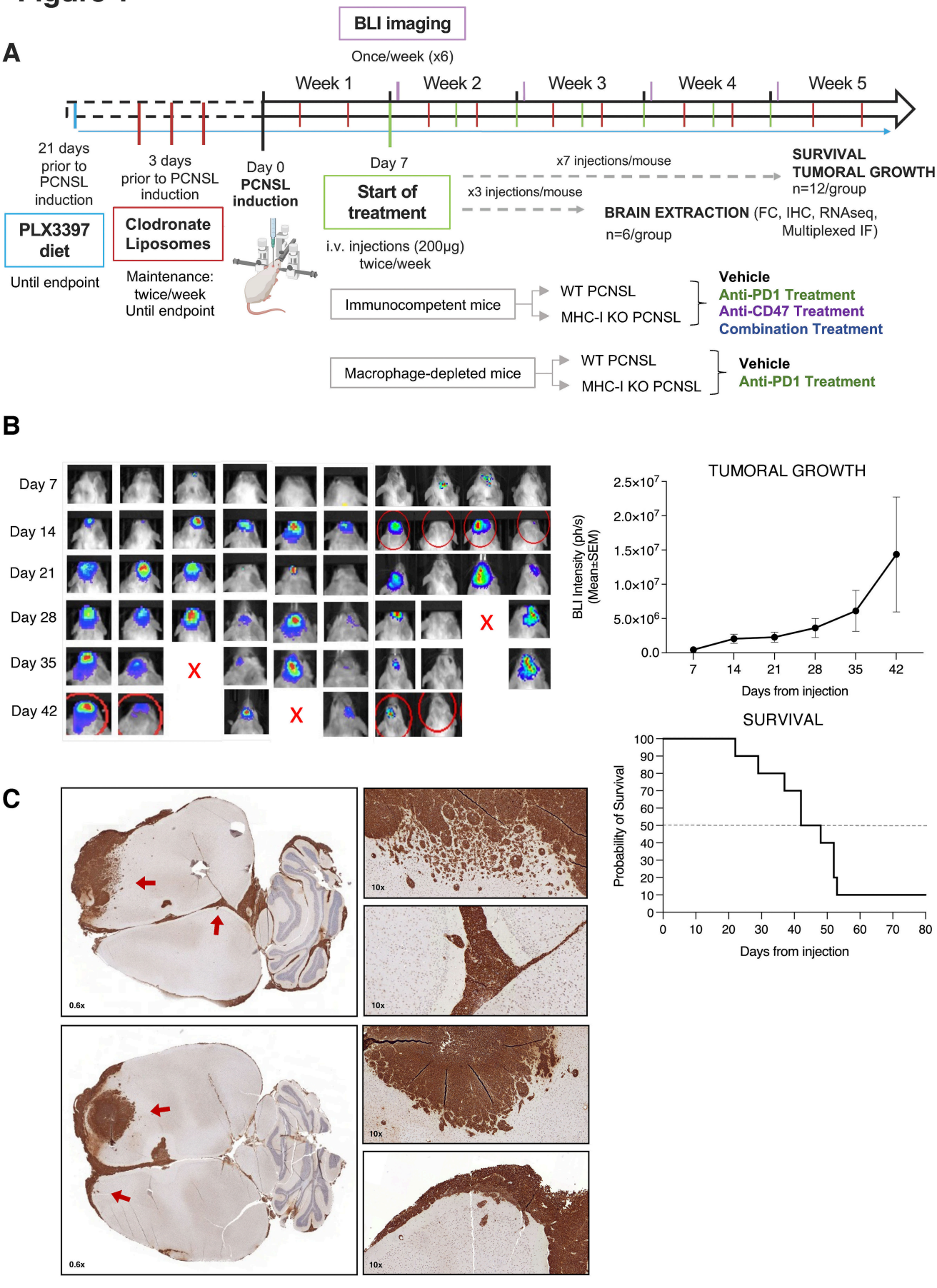

A
BLI imaging
Once/week (x6)
Week 1
Week 2
Week 3
Week 4
Week 5
21 days prior to PCNSL induction
PLX3397 diet
Until endpoint
3 days prior to PCNSL induction
Clodronate Liposomes
Maintenance: twice/week Until endpoint
Day 0 PCNSL induction
Day 7
Start of treatment
i.v. injections (200µg) twice/week
x7 injections/mouse
x3 injections/mouse
SURVIVAL
TUMORAL GROWTH
n=12/group
BRAIN EXTRACTION (FC, IHC, RNAseq, Multiplexed IF)
n=6/group
Immunocompetent mice
WT PCNSL
MHC-I KO PCNSL
Vehicle
Anti-PD1 Treatment
Anti-CD47 Treatment
Combination Treatment
Macrophage-depleted mice
WT PCNSL
MHC-I KO PCNSL
Vehicle
Anti-PD1 Treatment
B
Day 7
Day 14
Day 21
Day 28
Day 35
Day 42
TUMORAL GROWTH
BLI Intensity (ph/s) (Mean±SEM)
Days from injection
SURVIVAL
Probability of Survival
Days from injection
C
0.6x
10x
10x
0.6x
10x
10x

Figure 2

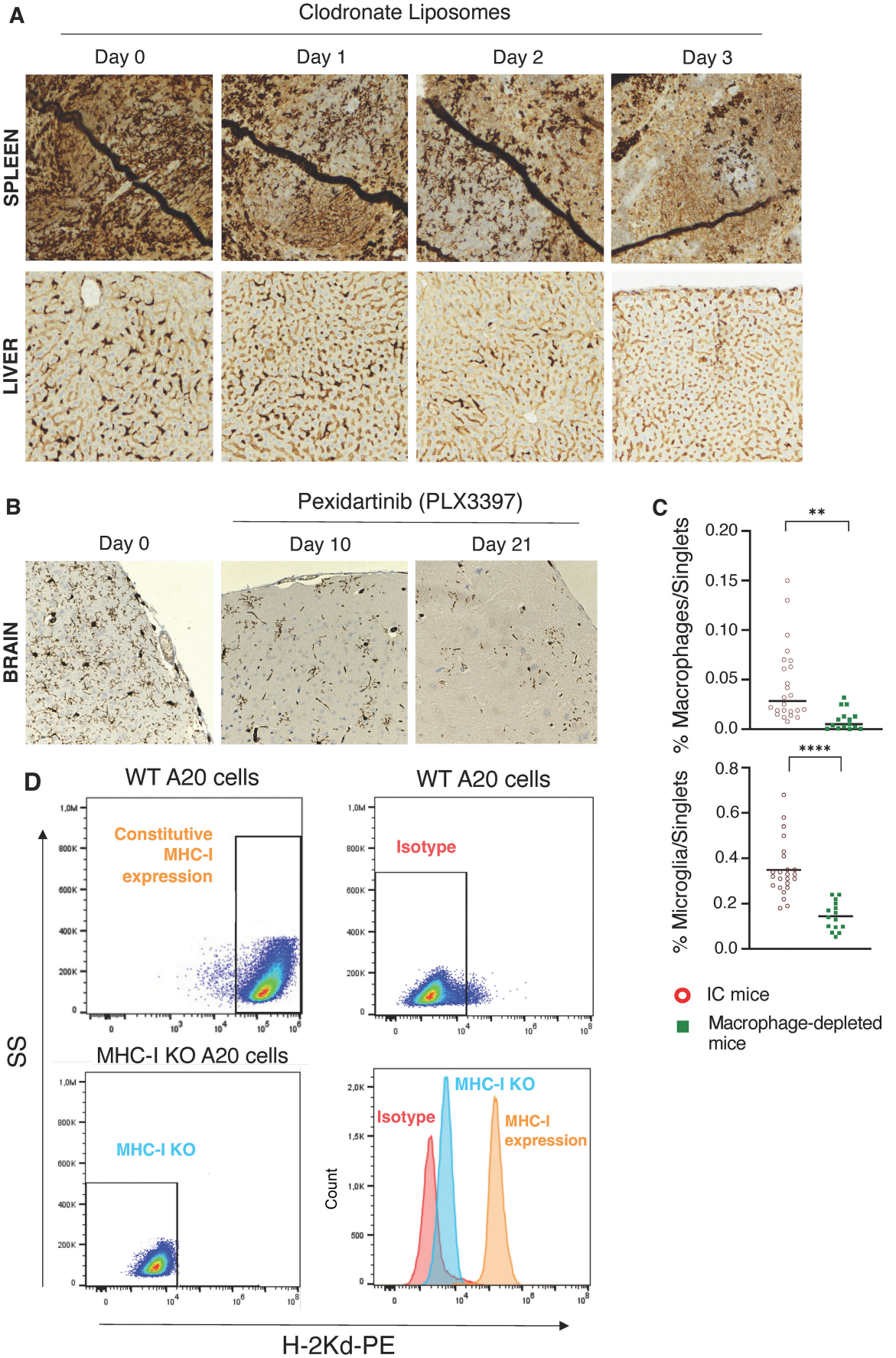
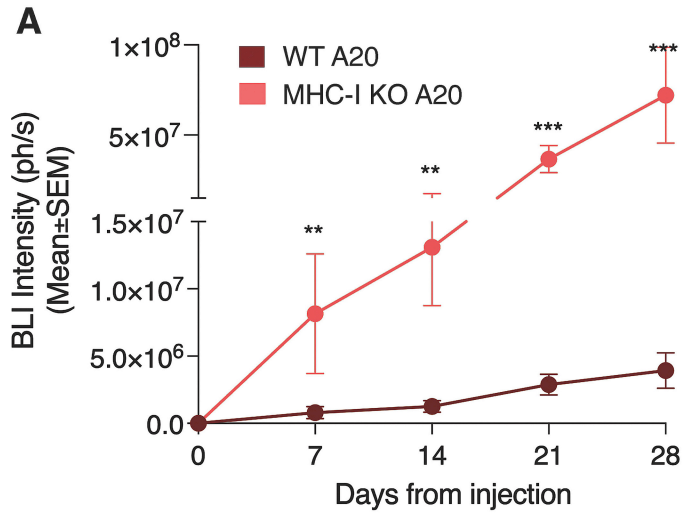
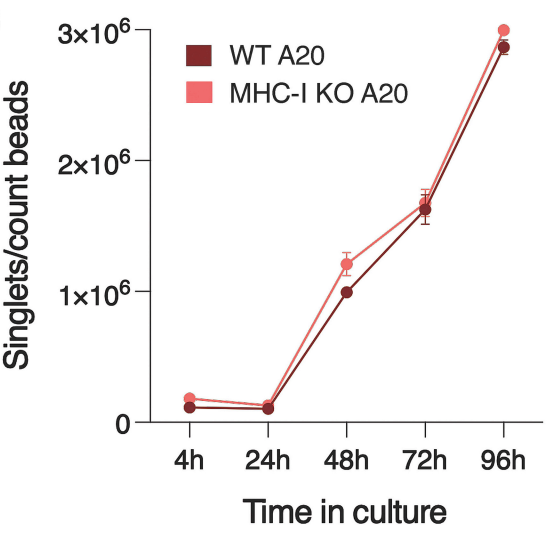
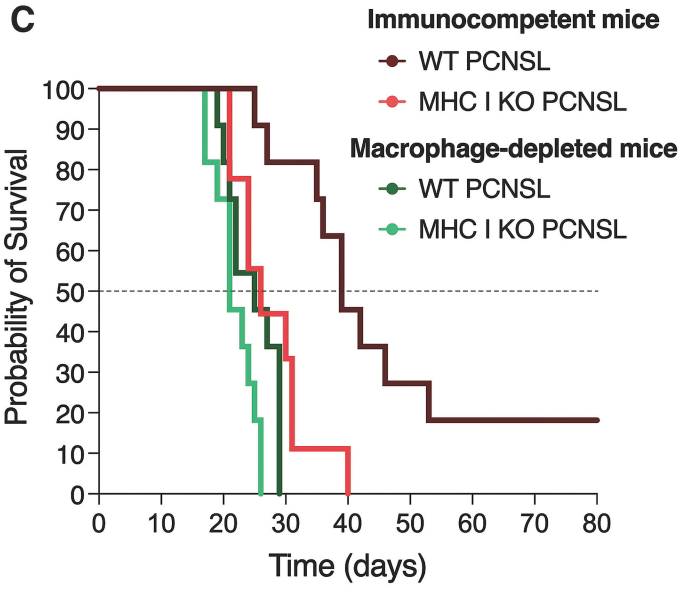
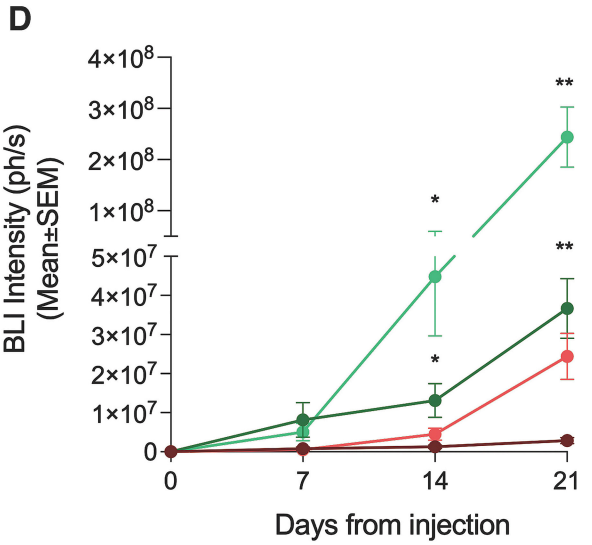

A
Clodronate Liposomes
Day 0
Day 1
Day 2
Day 3
SPLEEN
LIVER
B
Pexidartinib (PLX3397)
Day 0
Day 10
Day 21
BRAIN
C
% Macrophages/Singlets
0.20
0.15
0.10
0.05
0.0
**
% Microglia/Singlets
0.8
0.6
0.4
0.2
0.0
****
IC mice
Macrophage-depleted mice
D
WT A20 cells
Constitutive MHC-I expression
WT A20 cells
Isotype
MHC-I KO A20 cells
MHC-I KO
Isotype
MHC-I KO
MHC-I expression
Count
SS
H-2Kd-PE

Figure 3









IC mice	WT	12	7	2	2
	MHC-I KO	12	3	0	0
MD mice	WT	10	0	0	0
	MHC-I KO	8	0	0	0

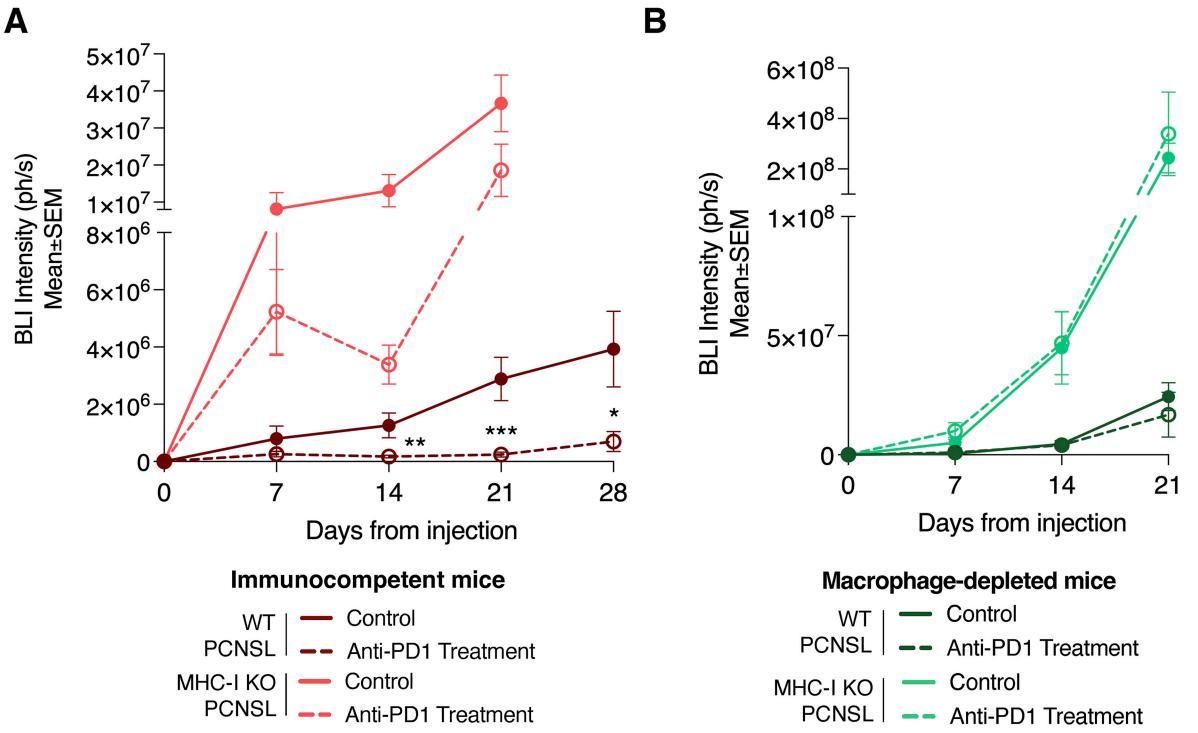
Numbers at risk

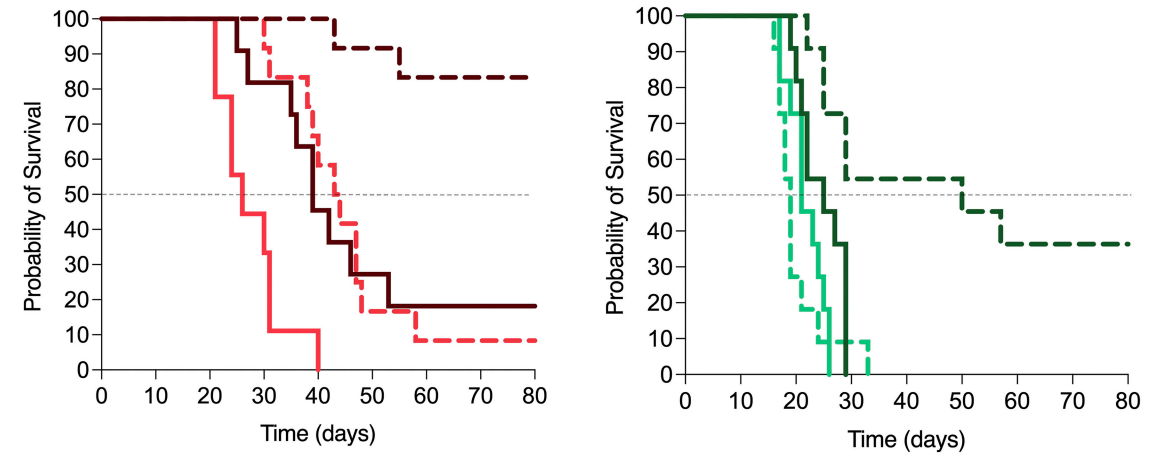
Median survival

Immunocompetent mice		Macrophage-depleted mice	
WT PCNSL	MHC-I KO PCNSL	WT PCNSL	MHC-I KO PCNSL
39	26	25	21

** p=0.002
* p=0.01
*** p=0.0002
* p=0.04

Figure 4





WT PCNSL	CTL	12	7	2	2
	αPD1	12	12	10	10
MHC-I KO PCNSL	CTL	12	3	0	0
	αPD1	12	7	1	1

Numbers at risk

WT PCNSL	CTL	10	0	0	0
	αPD1	12	7	4	4
MHC-I KO PCNSL	CTL	8	0	0	0
	αPD1	3	0	0	1

Numbers at risk

Median survival

WT PCNSL		MHC-I KO PCNSL	
Control	Anti-PD1	Control	Anti-PD1
39	Undefined	26	43.5

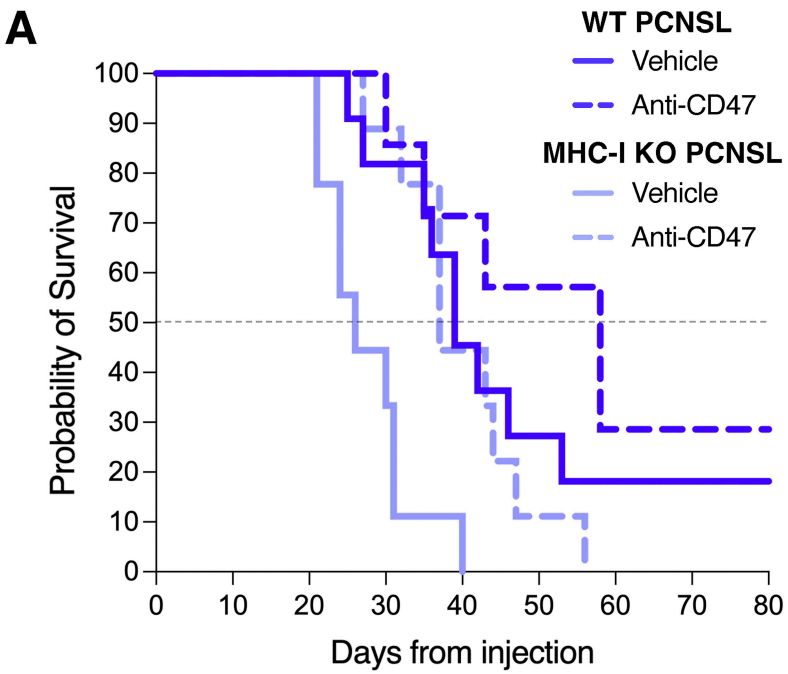
*** p=0.0005 *** p=0.0002

Median survival

WT PCNSL		MHC-I KO PCNSL	
Control	Anti-PD1	Control	Anti-PD1
25	50	21	19

** p=0.005 ns

Figure 5



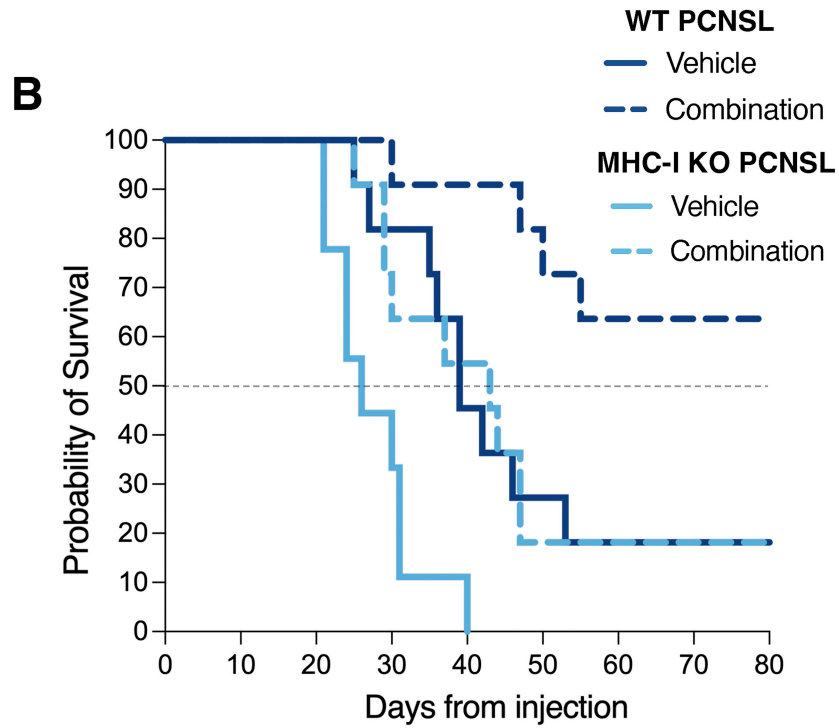
WT PCNSL	CTL	12	7	2	2
	αCD47	12	9	2	2
MHC-I KO PCNSL	CTL	12	3	0	0
	αCD47	11	5	0	0

Numbers at risk

Median survival

WT PCNSL		MHC-I KO PCNSL	
Vehicle	Anti-CD47	Vehicle	Anti-CD47
39	58	26	37

ns ** p=0.0017



WT PCNSL	CTL	12	7	2	2
	Combo	12	11	8	8
MHC-I KO PCNSL	CTL	12	3	0	0
	Combo	12	7	3	3

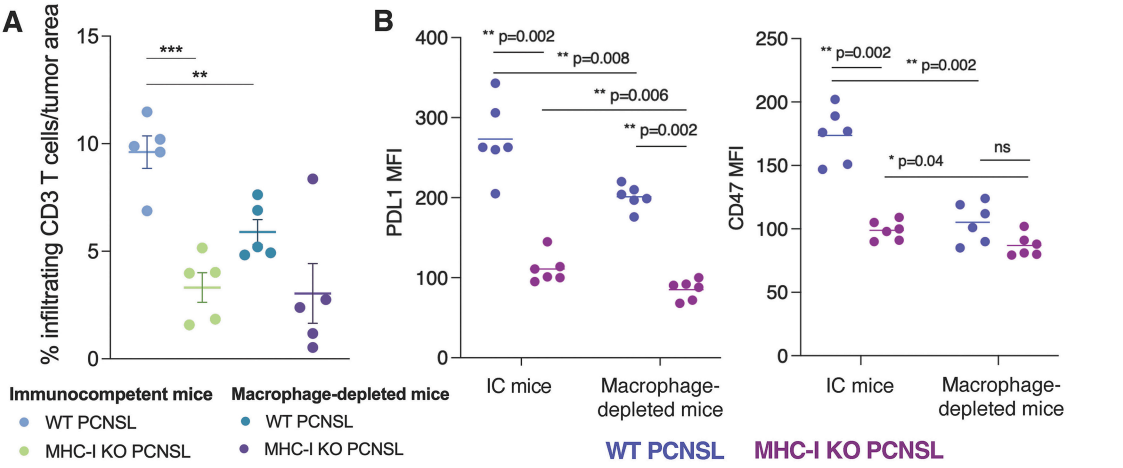
Numbers at risk

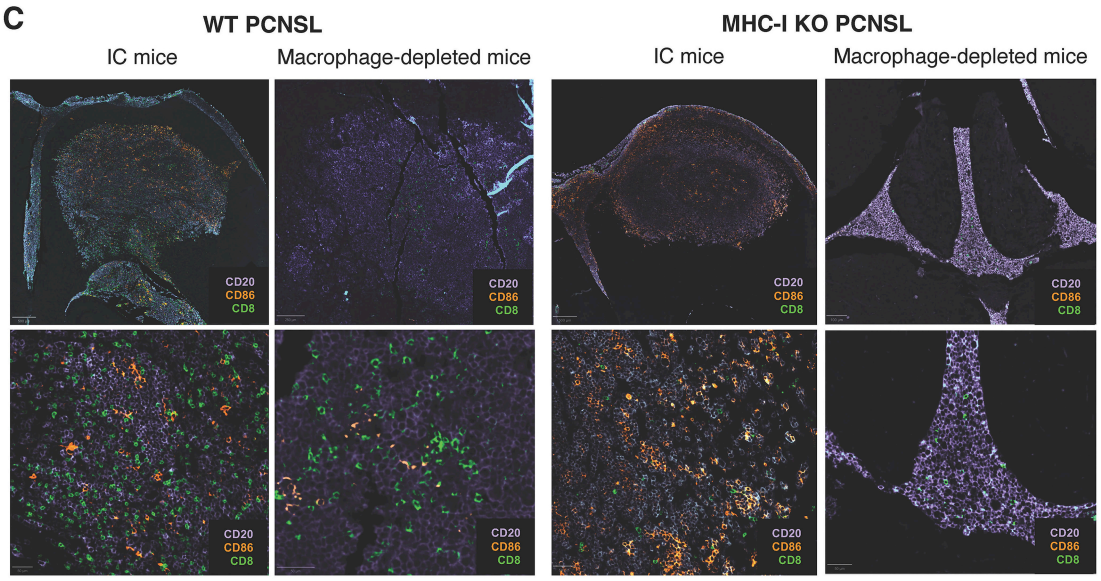
Median survival

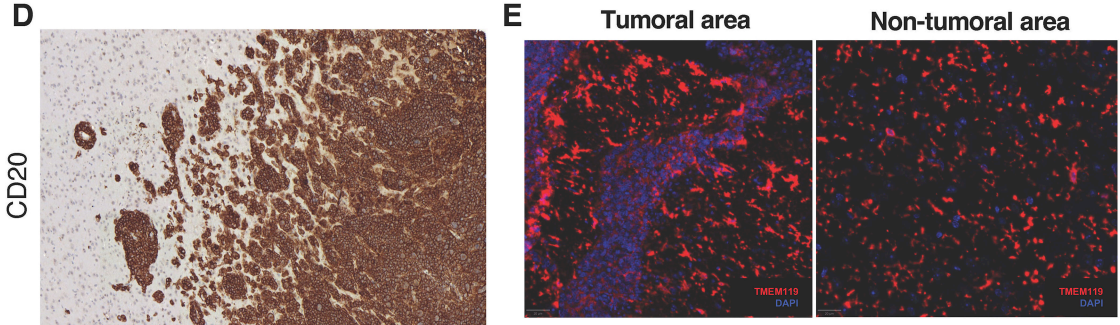
WT PCNSL		MHC-I KO PCNSL	
Vehicle	Combo	Vehicle	Combo
39	Undefined	26	43

* p=0.01 ** p=0.005

Figure 6


A
% infiltrating CD3 T cells/tumor area
15
10
5
0
***
**
Immunocompetent mice
WT PCNSL
MHC-I KO PCNSL
Macrophage-depleted mice
WT PCNSL
MHC-I KO PCNSL
B
PDL1 MFI
400
300
200
100
0
** p=0.002
** p=0.008
** p=0.006
** p=0.002
IC mice
Macrophage-depleted mice
CD47 MFI
250
200
150
100
50
0
** p=0.002
** p=0.002
* p=0.04
ns
IC mice
Macrophage-depleted mice
WT PCNSL
MHC-I KO PCNSL


C
WT PCNSL
MHC-I KO PCNSL
IC mice
Macrophage-depleted mice
IC mice
Macrophage-depleted mice
CD20
CD86
CD8


D
CD20
Iba-1
E
Tumoral area
Non-tumoral area
TMEM119
DAPI

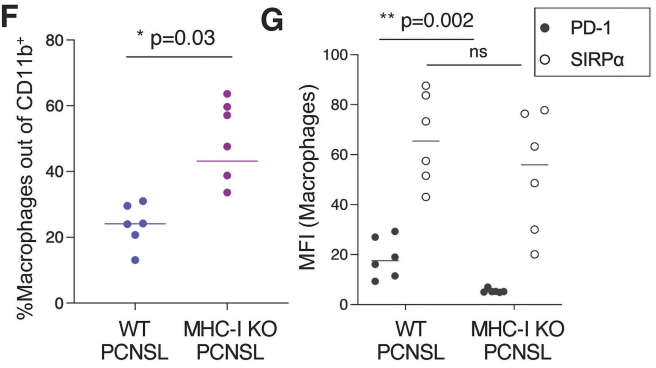

F
%Macrophages out of CD11b+
80
60
40
20
0
* p=0.03
WT PCNSL
MHC-I KO PCNSL
G
MFI (Macrophages)
100
80
60
40
20
0
** p=0.002
ns
PD-1
SIRPα
WT PCNSL
MHC-I KO PCNSL

Figure 7

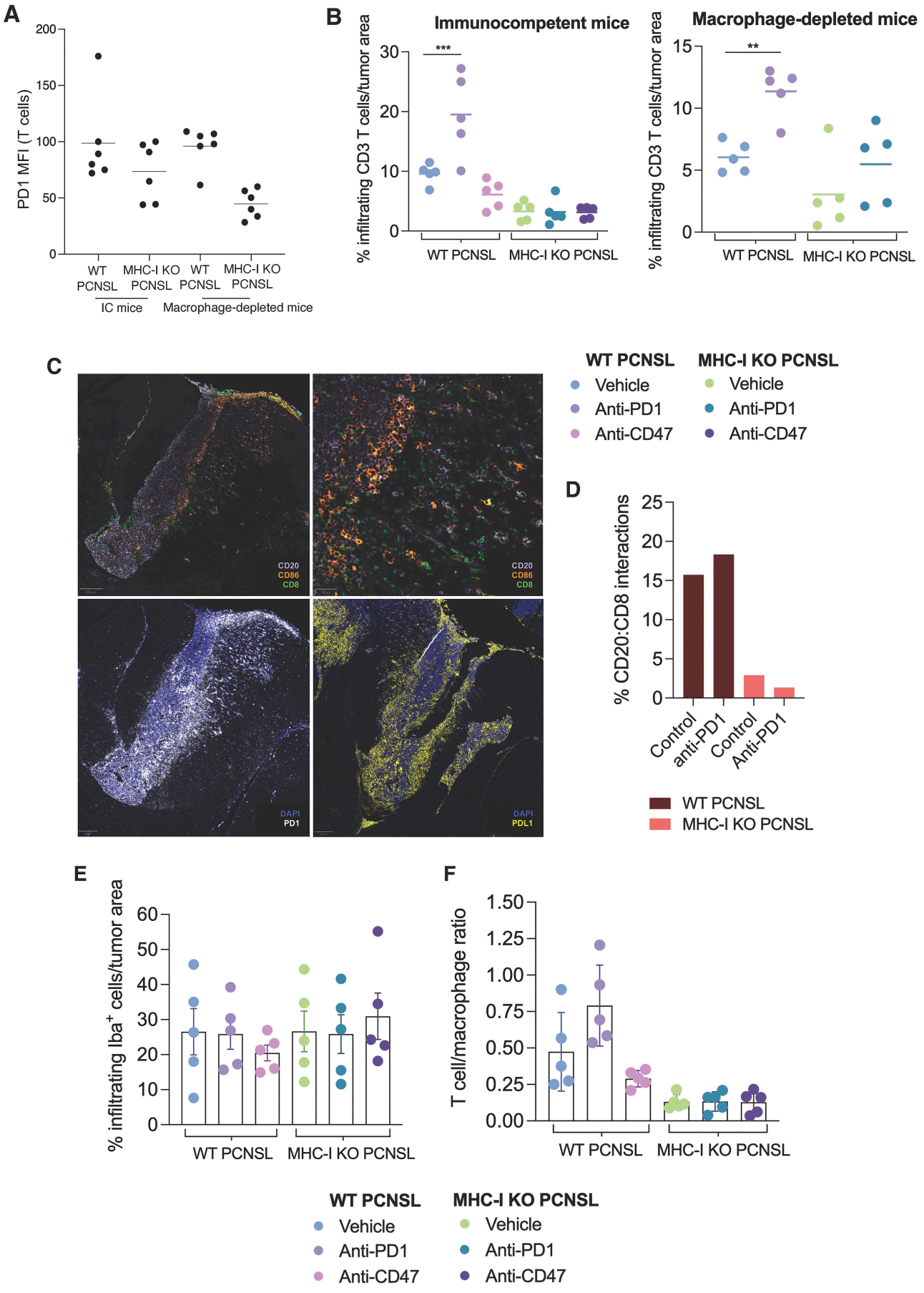
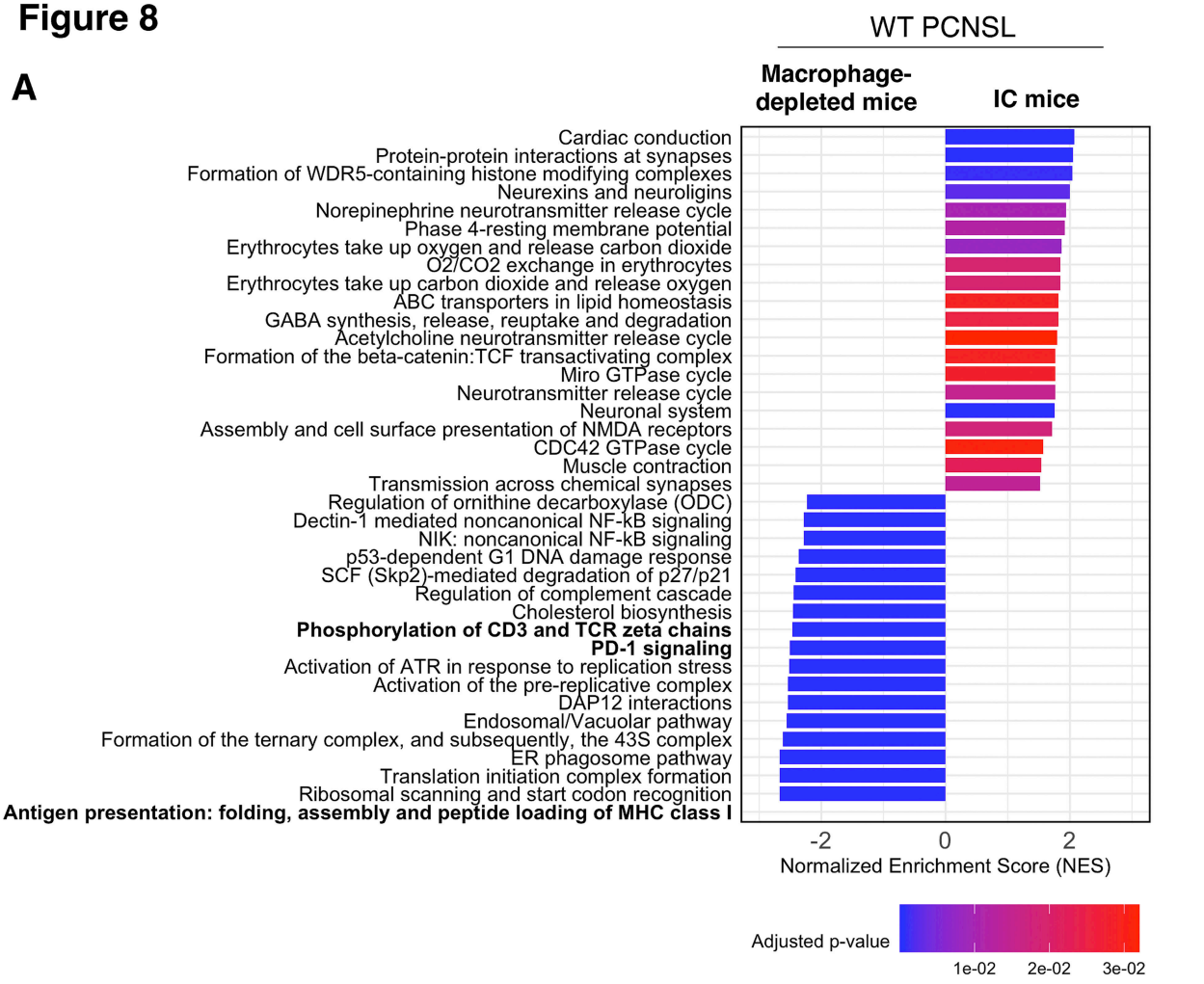
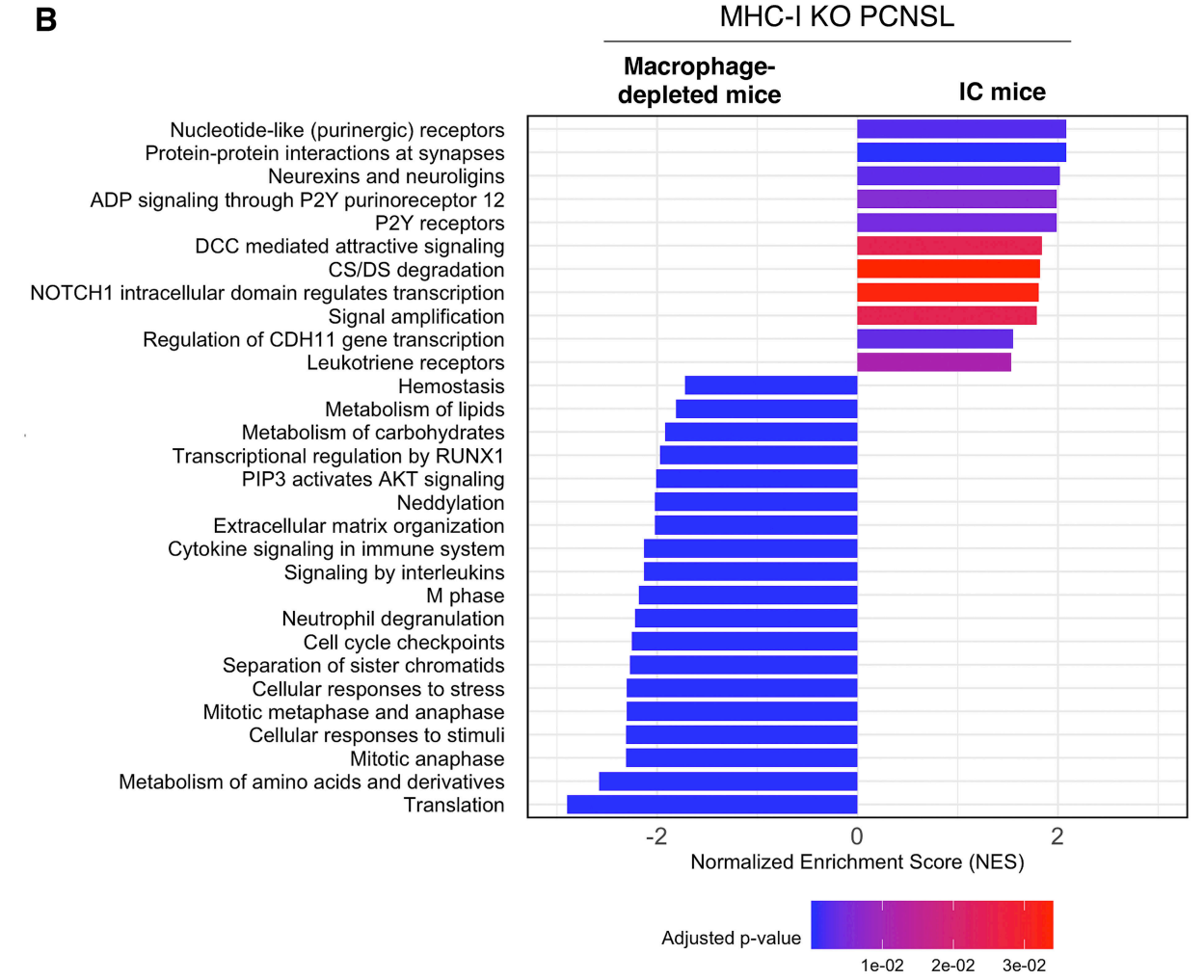

A
PD1 MFI (T cells)
200
150
100
50
0
WT PCNSL
MHC-I KO PCNSL
WT PCNSL
MHC-I KO PCNSL
IC mice
Macrophage-depleted mice
B
Immunocompetent mice
% infiltrating CD3 T cells/tumor area
***
30
20
10
0
WT PCNSL
MHC-I KO PCNSL
Macrophage-depleted mice
% infiltrating CD3 T cells/tumor area
**
15
10
5
0
WT PCNSL
MHC-I KO PCNSL
C
CD20
CD86
CD8
DAPI
PD1
DAPI
PDL1
WT PCNSL
Vehicle
Anti-PD1
Anti-CD47
MHC-I KO PCNSL
Vehicle
Anti-PD1
Anti-CD47
D
% CD20:CD8 interactions
25
20
15
10
5
0
Control
anti-PD1
Control
Anti-PD1
WT PCNSL
MHC-I KO PCNSL
E
% infiltrating Iba+ cells/tumor area
60
50
40
30
20
10
0
WT PCNSL
MHC-I KO PCNSL
F
T cell/macrophage ratio
1.50
1.25
1.00
0.75
0.50
0.25
0.00
WT PCNSL
MHC-I KO PCNSL
WT PCNSL
Vehicle
Anti-PD1
Anti-CD47
MHC-I KO PCNSL
Vehicle
Anti-PD1
Anti-CD47

Figure 8


A
WT PCNSL
Macrophage-depleted mice
IC mice
Cardiac conduction
Protein-protein interactions at synapses
Formation of WDR5-containing histone modifying complexes
Neurexins and neuroligins
Norepinephrine neurotransmitter release cycle
Phase 4-resting membrane potential
Erythrocytes take up oxygen and release carbon dioxide
O2/CO2 exchange in erythrocytes
Erythrocytes take up carbon dioxide and release oxygen
ABC transporters in lipid homeostasis
GABA synthesis, release, reuptake and degradation
Acetylcholine neurotransmitter release cycle
Formation of the beta-catenin:TCF transactivating complex
Miro GTPase cycle
Neurotransmitter release cycle
Neuronal system
Assembly and cell surface presentation of NMDA receptors
CDC42 GTPase cycle
Muscle contraction
Transmission across chemical synapses
Regulation of ornithine decarboxylase (ODC)
Dectin-1 mediated noncanonical NF-kB signaling
NIK: noncanonical NF-kB signaling
p53-dependent G1 DNA damage response
SCF (Skp2)-mediated degradation of p27/p21
Regulation of complement cascade
Cholesterol biosynthesis
Phosphorylation of CD3 and TCR zeta chains
PD-1 signaling
Activation of ATR in response to replication stress
Activation of the pre-replicative complex
DAP12 interactions
Endosomal/Vacuolar pathway
Formation of the ternary complex, and subsequently, the 43S complex
ER phagosome pathway
Translation initiation complex formation
Ribosomal scanning and start codon recognition
Antigen presentation: folding, assembly and peptide loading of MHC class I
-2
0
2
Normalized Enrichment Score (NES)
Adjusted p-value
1e-02
2e-02
3e-02


B
MHC-I KO PCNSL
Macrophage-depleted mice
IC mice
Nucleotide-like (purinergic) receptors
Protein-protein interactions at synapses
Neurexins and neuroligins
ADP signaling through P2Y purinoreceptor 12
P2Y receptors
DCC mediated attractive signaling
CS/DS degradation
NOTCH1 intracellular domain regulates transcription
Signal amplification
Regulation of CDH11 gene transcription
Leukotriene receptors
Hemostasis
Metabolism of lipids
Metabolism of carbohydrates
Transcriptional regulation by RUNX1
PIP3 activates AKT signaling
Neddylation
Extracellular matrix organization
Cytokine signaling in immune system
Signaling by interleukins
M phase
Neutrophil degranulation
Cell cycle checkpoints
Separation of sister chromatids
Cellular responses to stress
Mitotic metaphase and anaphase
Cellular responses to stimuli
Mitotic anaphase
Metabolism of amino acids and derivatives
Translation
-2
0
2
Normalized Enrichment Score (NES)
Adjusted p-value
1e-02
2e-02
3e-02

Supplementary Methods

Cell lines. For luciferase expression, cells were electroporated, using the Neon™ Transfection System (Thermo Fisher) in the presence of 5pM of pGL4_Luc2_CMV_neo plasmid. Forty-eight hours post-electroporation, G418 (800 µg/mL) was added to the culture medium for selection. After two weeks, luciferase activity was assessed by bioluminescence imaging (BLI) following luciferin addition, using the IVIS® Spectrum system and Living Image software (PerkinElmer).

MHC-II downregulation. CRISPR-Cas9 was performed to generate downregulation of MHC-II expression in A20 cells (MHC-II KO A20) by disrupting *CIITA. CIITA* gRNA, Cas9 endonuclease and universal tracrRNA were obtained from Integrated DNA Technologies (IDT). The crRNA:tracrRNA complex was ensembled following the manufacturer's protocol and delivered by electroporation using the Neon™ Transfection System (ThermoFisher)[1].

Mouse macrophage isolation. Murine bone marrow–derived macrophages (BMDMs) were generated from BALB/c mice as described[2]. Briefly, bone marrow cells were ACK-lysed, cultured in M-CSF (20 ng/mL; Peprotech) for 7–21 days, detached with TrypLE (Invitrogen), and used for experiments.

Long-term co-culture assays: Tumoral growth curves in long-term co-cultures of BALB/c murine macrophages and SG+ A20 lymphoma cells. Co-cultures were established in 384-well plates with 1×10^4 macrophages and 2×10^3 target cells (4:1 E:T ratio) ±anti-PD1, anti-CD47, or combination (10 µg/mL final). Whole-well phase contrast and green-channel imaging was performed every 8 h for 156 h (~6.5 days) using an Incucyte S3 (Sartorius), with automated analysis via Incucyte software.

Macrophage/Microglia depletion in mice. Pexidartinib (PLX3397; Selleckhem) was incorporated into a purified diet (D20031201; Research Diets, Inc.) at 290 mg/kg, corresponding to an approximate weekly exposure of 7 mg/kg per mouse assuming average food consumption of 3.5 g/day[3]. Clodronate liposomes were obtained from Liposoma, Inc. and prepared according to the manufacturer's instructions[4].

***In vivo* modeling of PCNSL**. Mice were anesthetized with isoflurane (1-2%), followed by subcutaneous injection of meloxicam (5 mg/kg) for analgesia. A total of $1x10^5$ A20 cells in 5 µl of PBS were injected intracerebrally into eight-week-old BALB/c female mice, using a Hamilton syringe with a 26-gauge needle at a rate of 1 µl/min, guided by stereotactic coordinates (1 mm anterior, 1.8 mm lateral right to the bregma, and 2.5 mm deep from the dura) on a Stoelting Just For Mouse™

stereotaxic platform. Tumor growth was monitored by BLI using an IVIS® Spectrum system (PerkinElmer) once a week. Tumoral size was quantified using Living Image software (PerkinElmer), and the total photons per second (ph/s) were recorded.

Organ processing. Briefly, brain tissue was enzymatically digested using papain for 30 minutes at 37°C, with gentle agitation. The cellular suspension was filtered through a 70 µm cell strainer to remove debris. Cells were washed and resuspended in PBS supplemented with 0.5% BSA for further analysis.

Flow Cytometry. The following antibodies were used for the identification of lymphoma cells, 42 macrophages and T cells: anti-mouse/human CD11b-PerCP Cy5.5 (Clone M1/70), anti-mouse CD45-43 BV510 (Clone 30-F11), anti-mouse CD206-PE/Cy7 (Clone C068C2), anti-mouse CD279-PE (PD-1, 44 Clone 29F.1A12), anti-mouse F4/80-APC/Cy7 (Clone BM8), anti-mouse Gr1-FITC (Clone RB6-8C5), 45 anti-mouse CD20-APC (Clone SA275A11), anti-mouse H-2Kd-PE (Clone SF1-1.1), and anti-mouse 46 CD3-AF700 (Clone 17A2) were all purchased from Biolegend; anti-mouse CD172a-APC (SIRPα, 47 Clone P84), anti-human/mouse CD47-FITC (Clone B6H12) and anti-human/mouse CD274-PE (PD-48 L1, Clone MIH1) were obtained from eBioscience. Dead cells were excluded using the LIVE/DEADTM 49 Fixable Violet Dead Stain Cell kit (Invitrogen). Lymphoma cells were identified as CD45+CD20+. Mouse 50 TAMs were identified as CD45+ Gr1low/- CD11b+ F4/80+; CD206 expression was also assessed to 51 evaluate macrophage polarization. T cells were identified as CD45+CD3+. Gates were set using 52 fluorescence minus one (FMO) or isotype controls.

Immunohistochemistry. Antibodies against mouse CD20 (LS-B12186-50, LSBio) for tumoral B cells, mouse CD3 (Clone SP7, ThermoFisher) for T cells, and mouse Iba-1 (Clone EPR16588, Abcam) for macrophages and microglia were used.

RNA sequencing. RNA integrity was checked by Agilent Bioanalyzer-2100 equipment (Agilent 57 Technologies) using Agilent RNA 6000 Pico Kit (Agilent Technologies). RNA-seq data was processed 58 using the nf-core/rnaseq pipeline (v3.14.0)5, with the option using STAR aligner6 and RSEM7 for 59 quantification. Trimming step was performed with specified arguments of length at 35 and stringency 60 at 10. Reads were mapped against Mus musculus reference genome (GRCm39) and genes were 61 quantified using version M36 of the annotation. Differential expression analysis was performed with 62 limma v3.54.2 R package8, using TMM normalization. The voom function9 was used to estimate mean-63 variance relationship and to compute observation-level weights. The linear model was fitted with the 64 65 voom-transformed counts and contrasts of the different groups were extracted. A gene set enrichment 66 analysis (GSEA) was performed with the R package fgsea

v1.12.010 using, for each comparison, the 67 list of pre-ranked genes by a t-statistic against the mouse Reactome database.

References

1. Zhang S, Shen J, Li D, Cheng Y. Strategies in the delivery of Cas9 ribonucleoprotein for CRISPR/Cas9 genome editing. Theranostics. 2021;11(2):614-648.
2. Vaccaro K, Allen J, Whitfield TW, et al. Targeted therapies prime oncogene-driven lung cancers for macrophage-mediated destruction. J Clin Invest. 2024;134:e174058.
3. Weyer M-P, Strehle J, Schäfer MKE, Tegeder I. Repurposing of pexidartinib for microglia depletion and renewal. Pharmacology & Therapeutics. 2024;253:108565.
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5. Ewels PA, Peltzer A, Fillinger S, et al. The nf-core framework for community-curated bioinformatics pipelines. Nat Biotechnol. 2020;38(3):276–278.
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8. Ritchie ME, Phipson B, Wu D, et al. limma powers differential expression analyses for RNA-sequencing and microarray studies. Nucleic Acids Research. 2015;43(7):e47–e47.
9. Law CW, Chen Y, Shi W, Smyth GK. voom: precision weights unlock linear model analysis tools for RNA-seq read counts. Genome Biol. 2014;15(2):R29.
10. Franz M, Lopes CT, Kucera M, et al. Gene-set enrichment analysis and visualization on the web using EnrichmentMap:RNASeq, Bioinformatics Advances, 2025;5(1):vbaf178

Supplementary figure legends

Supplementary Figure 1. Validation of *in vivo* macrophage depletion, MHC-I knockout and maker expression on WT and MHC-I KO A20 lymphoma cells. A, Sanger sequencing chromatograms show the 5' to 3' nucleotide sequence of the *TAP1* gene region targeted by Cas9 in WT and MHC-I KO A20 cells. The Cas9 cut site is indicated by a black dashed line. Peaks represent he four bases (A, T, C, G), with colors for adenine (green), cytosine (blue), guanine (yellow), and hymine (red). Sequence edits at the cut site are compared between the two cell lines. **B,** Histogram plots show the surface expression of PD-L1 and CD47 in WT and MHC-I KO A20 cells by flow cytometry. Red peaks represent isotype control, while blue peaks indicate the expression of PD-L1 or CD47.

Supplementary Figure 2. Tumoral growth and survival of immunocompetent and macrophage-depleted mice bearing MHC-II KO PCNSL. Tumoral growth over 28 post-tumor injection and Kaplan-Meier survival curves over 80 days of immunocompetent and macrophage-depleted mice bearing MHC-II KO PCNSL. Significant differences in survival are represented by p-values determined using the Log-rank test. Number at risk are shown.

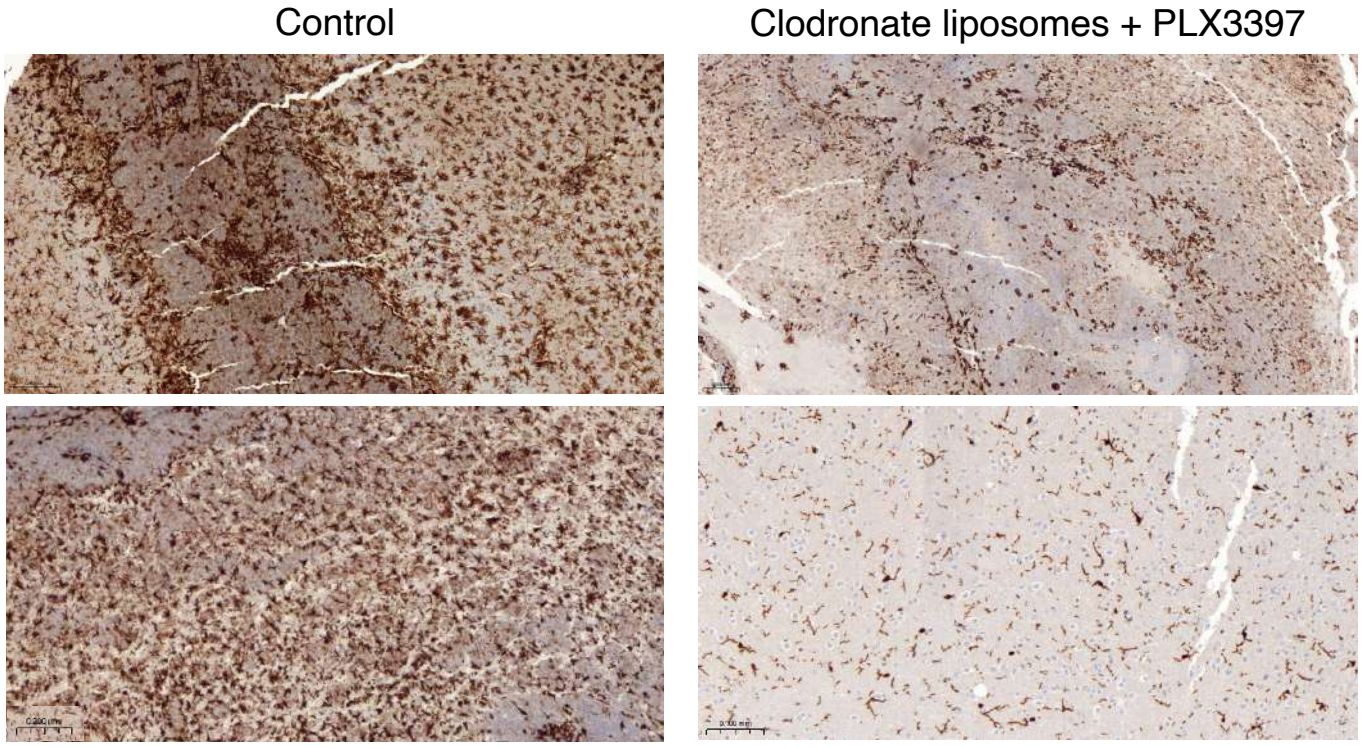
Supplementary Figure 3. In vitro and in vivo tumor growth and survival in PCNSL models under immunotherapy. A, Tumoral growth of WT and MHC-I KO PCNSL tumors in immunocompetent mice treated with vehicle, anti-CD47 or combination treatments. BLI intensity (ph/s) Mean ± SEM of n=12 mice/group is shown. **B,** Survival plots comparing treated immunocompetent mice bearing either WT or MHC-I KO PCNSL. Data show the effects of each treatment regimen on survival in WT and MHC-I KO PCNSL models (left graph: anti-PD-1 vs. combo; right graph: anti-CD47 vs. combo). **C,** Growth of SG+ MHC-I KO A20 lymphoma cells in co-culture with BALB/c macrophages under vehicle, anti-PD1, anti-CD47 and combination treatments. Curves are the mean of three individual co-culture wells ± SEM.

Supplementary Figure 4. CD3+ T cell infiltration in PCNSL mouse brain IHC slides. Representative IHC images of CD3+ T cell infiltration in tumoral areas of brains bearing WT or MHC-I KO PCNSL from immunocompetent or macrophage-depleted mice. Bottom rows are zoom-in views.

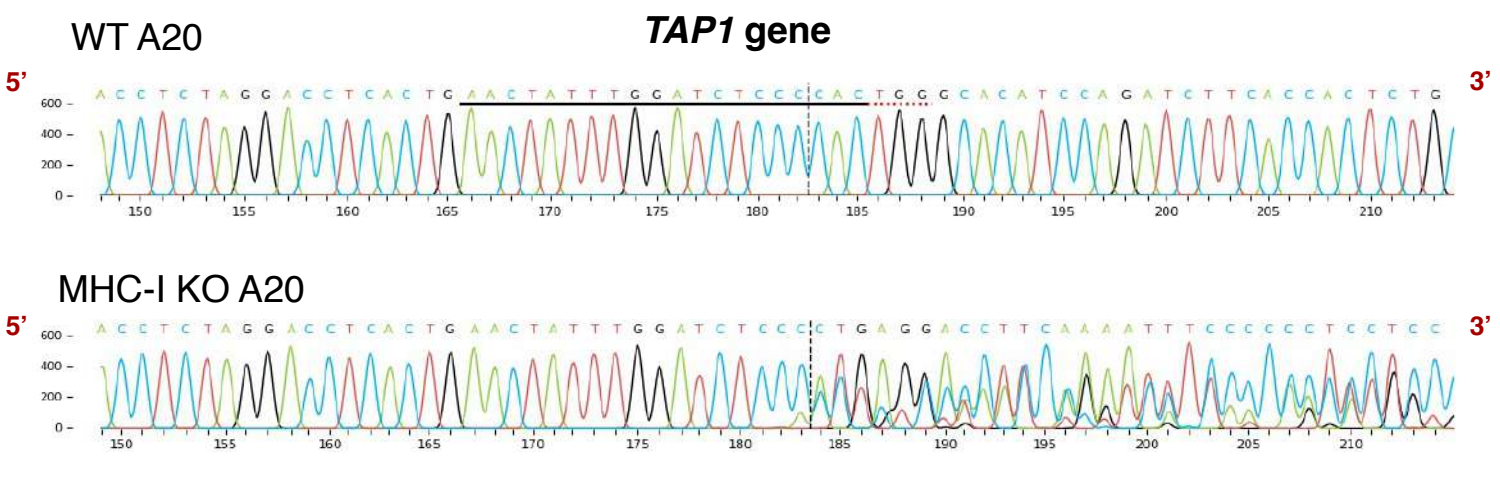
Supplementary Figure 5. Pathway enrichment analysis comparison between groups. A-C, Gene Set Enrichment Analysis (GSEA) using the Reactome database, across different comparisons. Displayed are the enriched pathways and the NES values.

Supplementary Figure 1

A



B



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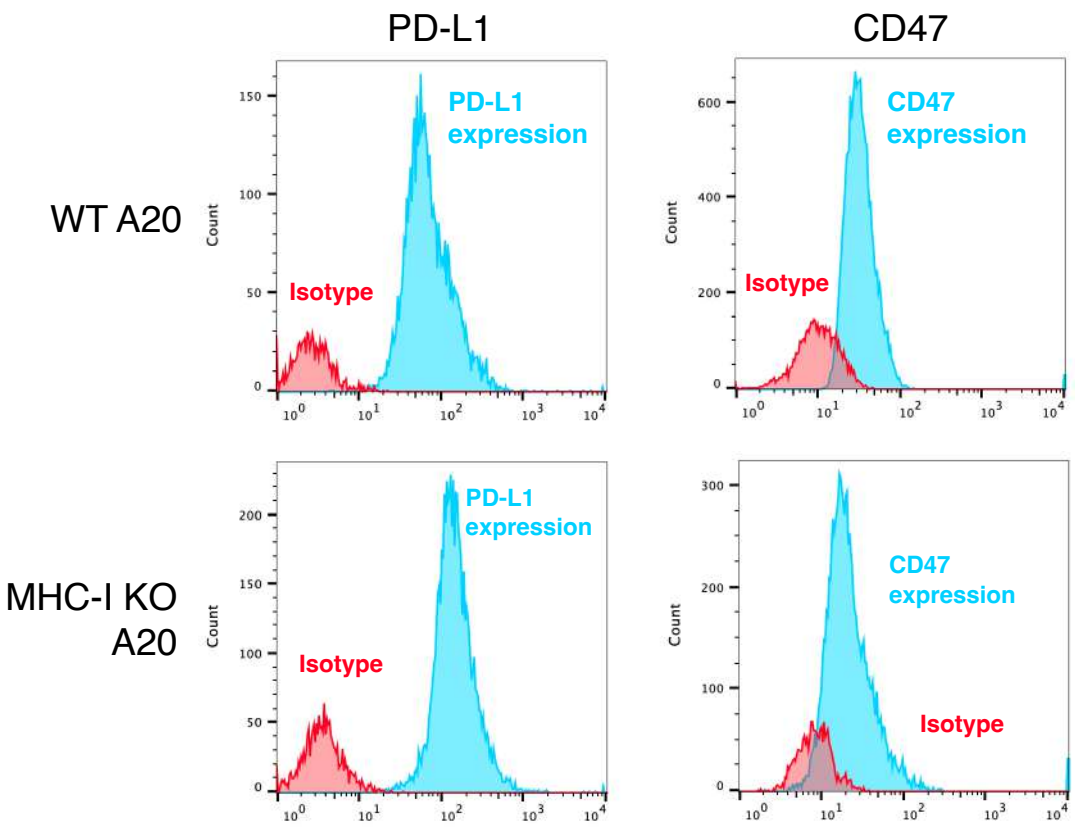
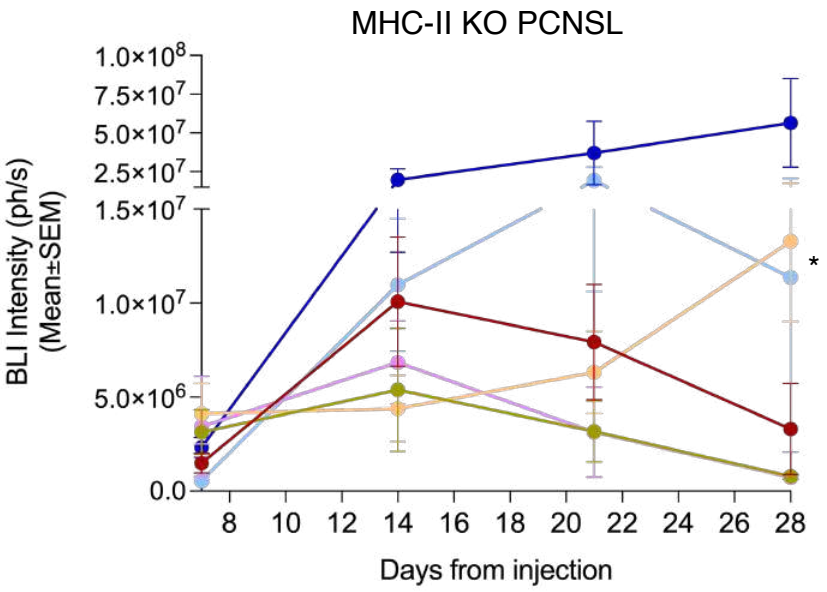
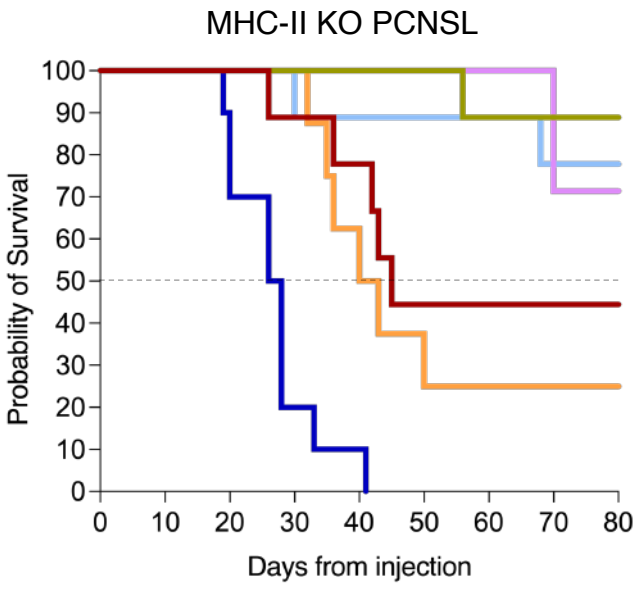


Supplementary Figure 2





Immunocompetent mice
- Vehicle
- Anti-PD1
- Anti-CD47
- Combination

Macrophage-depleted mice
- Vehicle
- Anti-PD1

IC mice	CTL	10	8	4	4
	αPD1	10	10	9	9
	αCD47	10	4	2	2
	Combo	10	10	8	8
MD mice	CTL	10	1	0	0
	αPD1	10	9	8	7

Numbers at risk

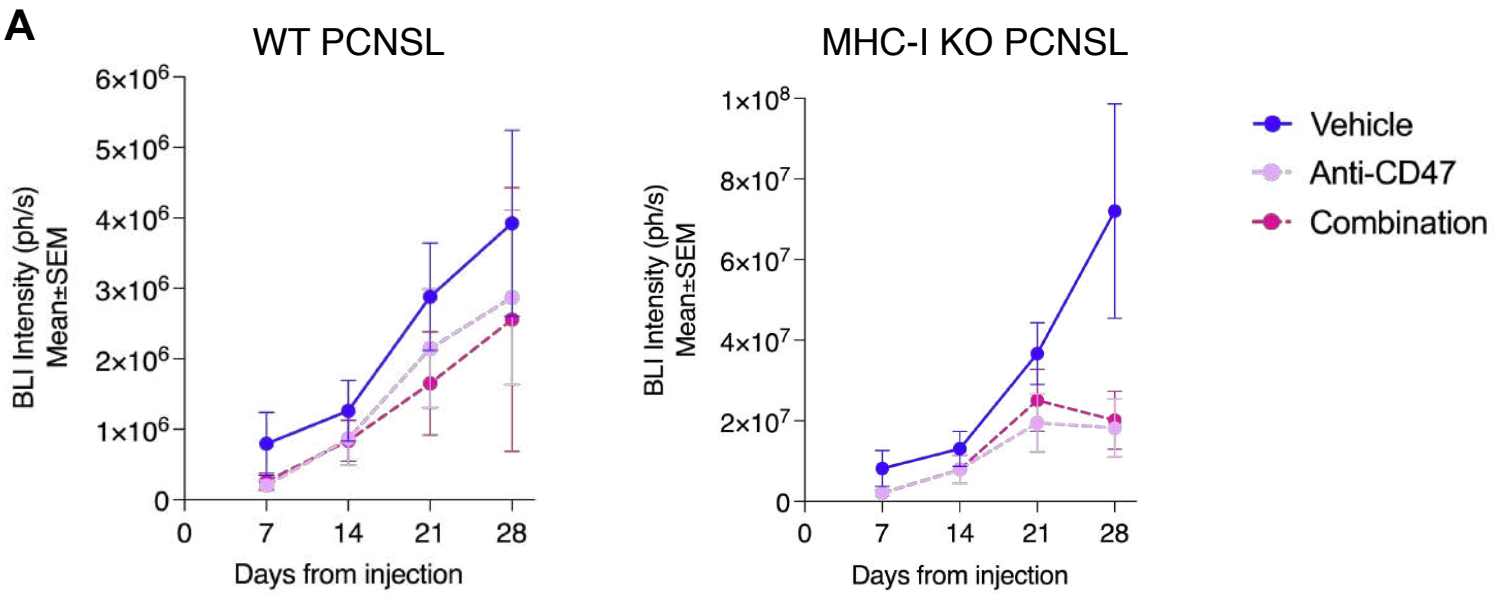
Median survival

IC mice				MD mice	
Vehicle	Anti-PD1	Anti-CD47	Combo	Vehicle	Anti-PD1
45	Undefined	41.5	Undefined	27	Undefined

* p=0.02

*** p=0.0002

Supplementary Figure 3



Median survival

WT PCNSL		MHC I KO PCNSL	
Anti-PD1	Combo	Anti-PD1	Combo
Undefined	Undefined	43.5	43

*** p=0.0004

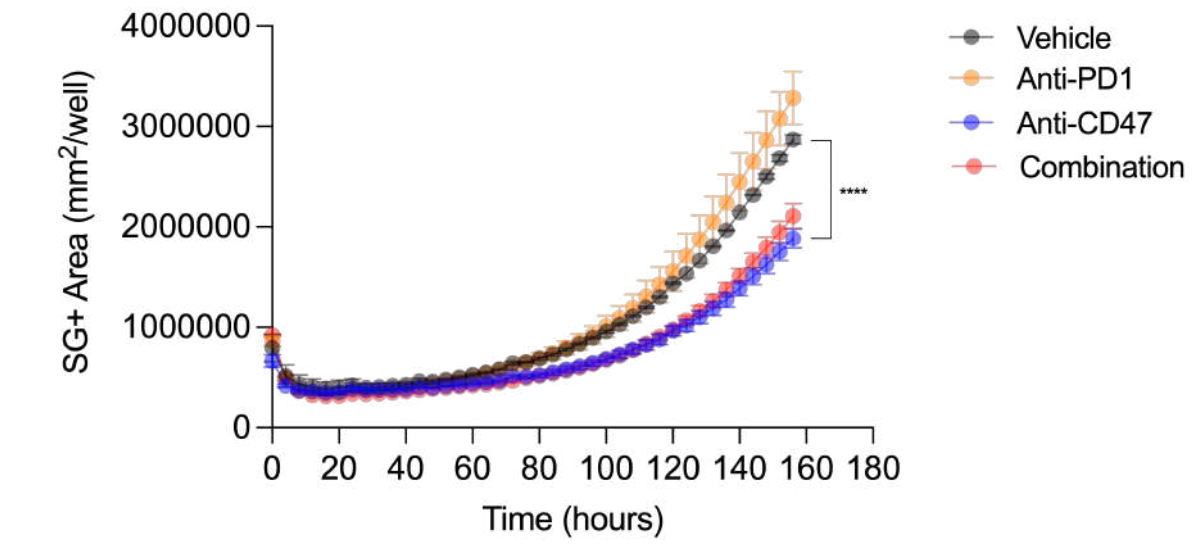
** p=0.008

Median survival

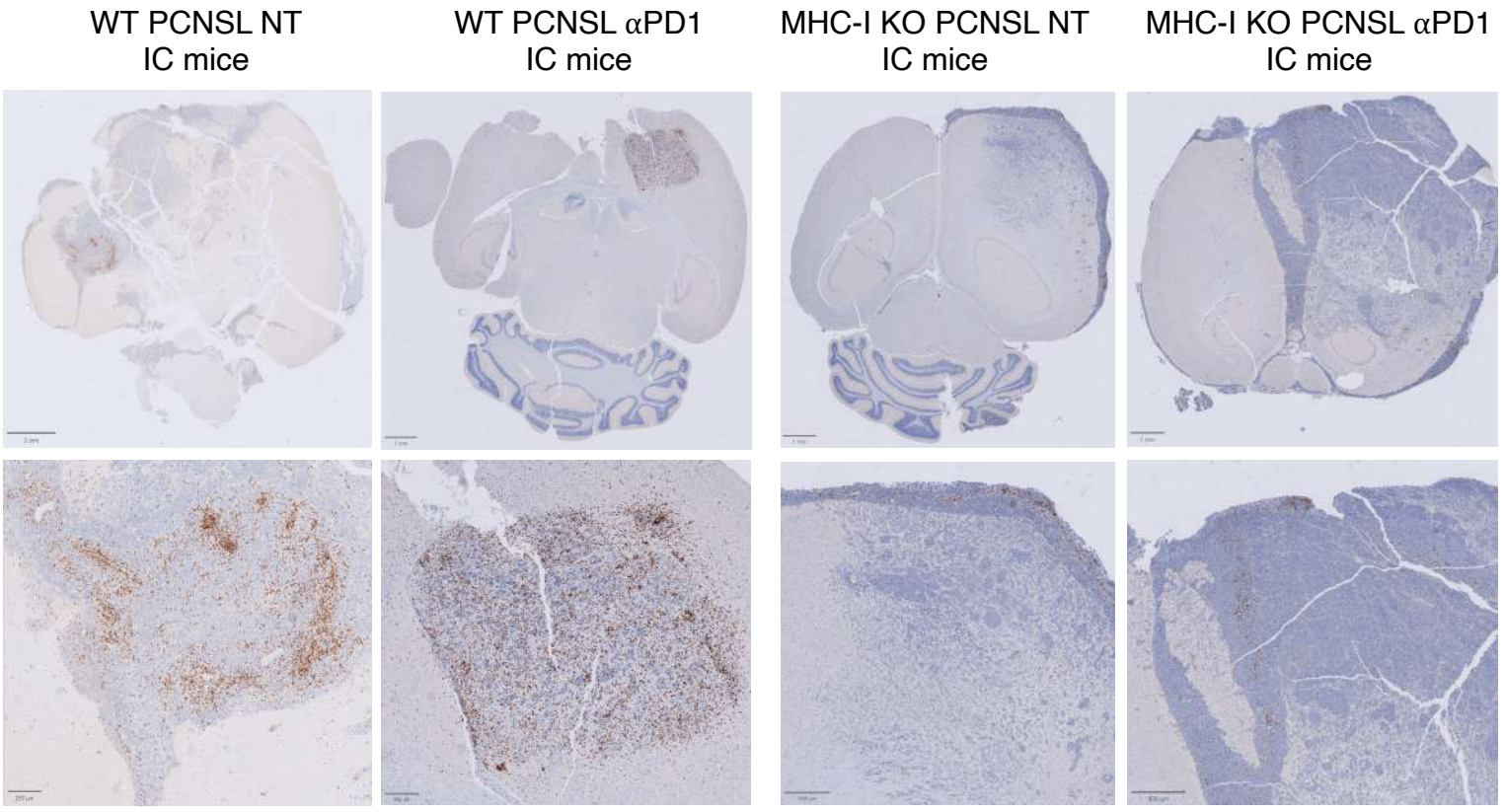
WT PCNSL		MHC I KO PCNSL	
Anti-CD47	Combo	Anti-CD47	Combo
58	Undefined	37	43

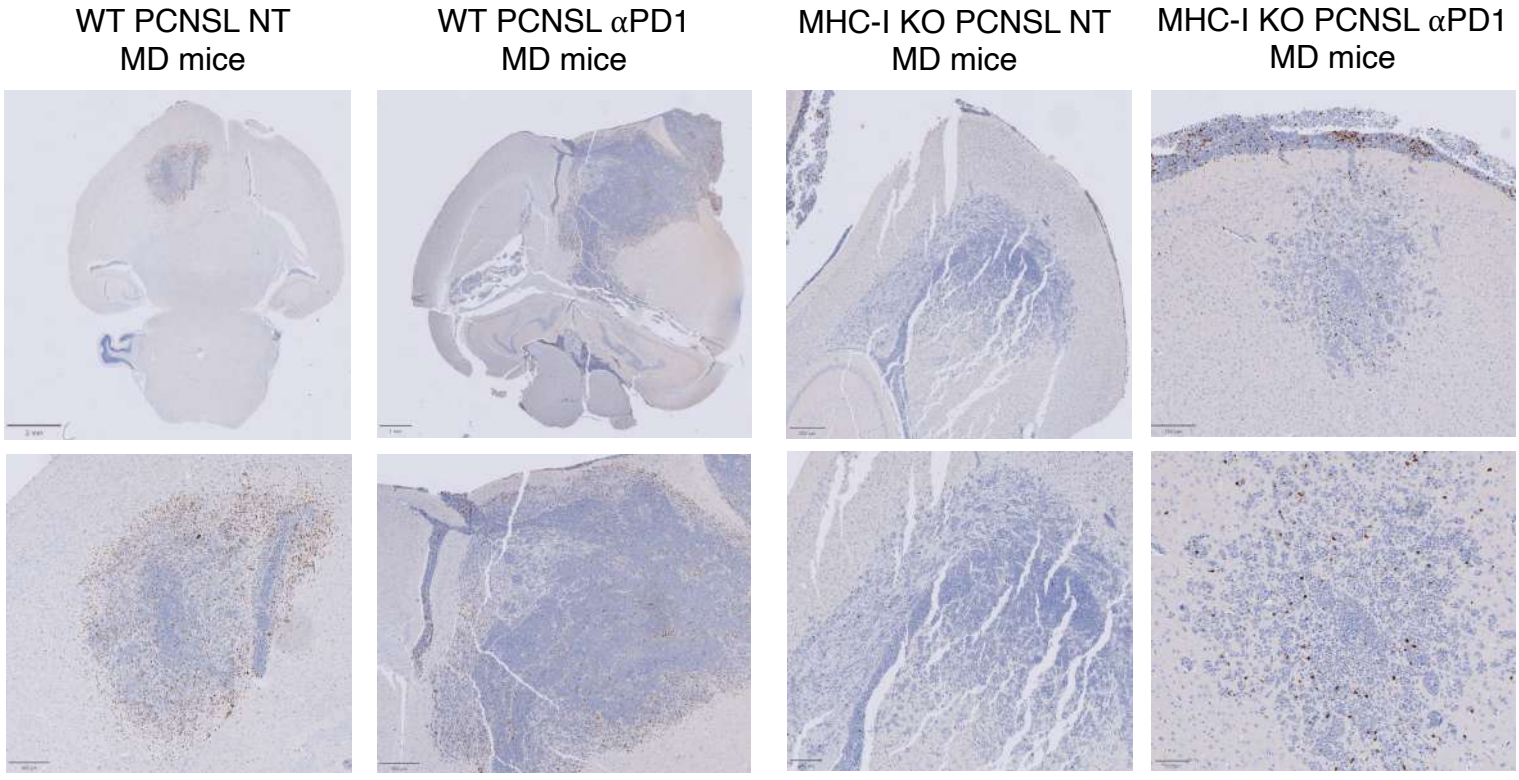
* p=0.04

** p=0.008



Supplementary Figure 4

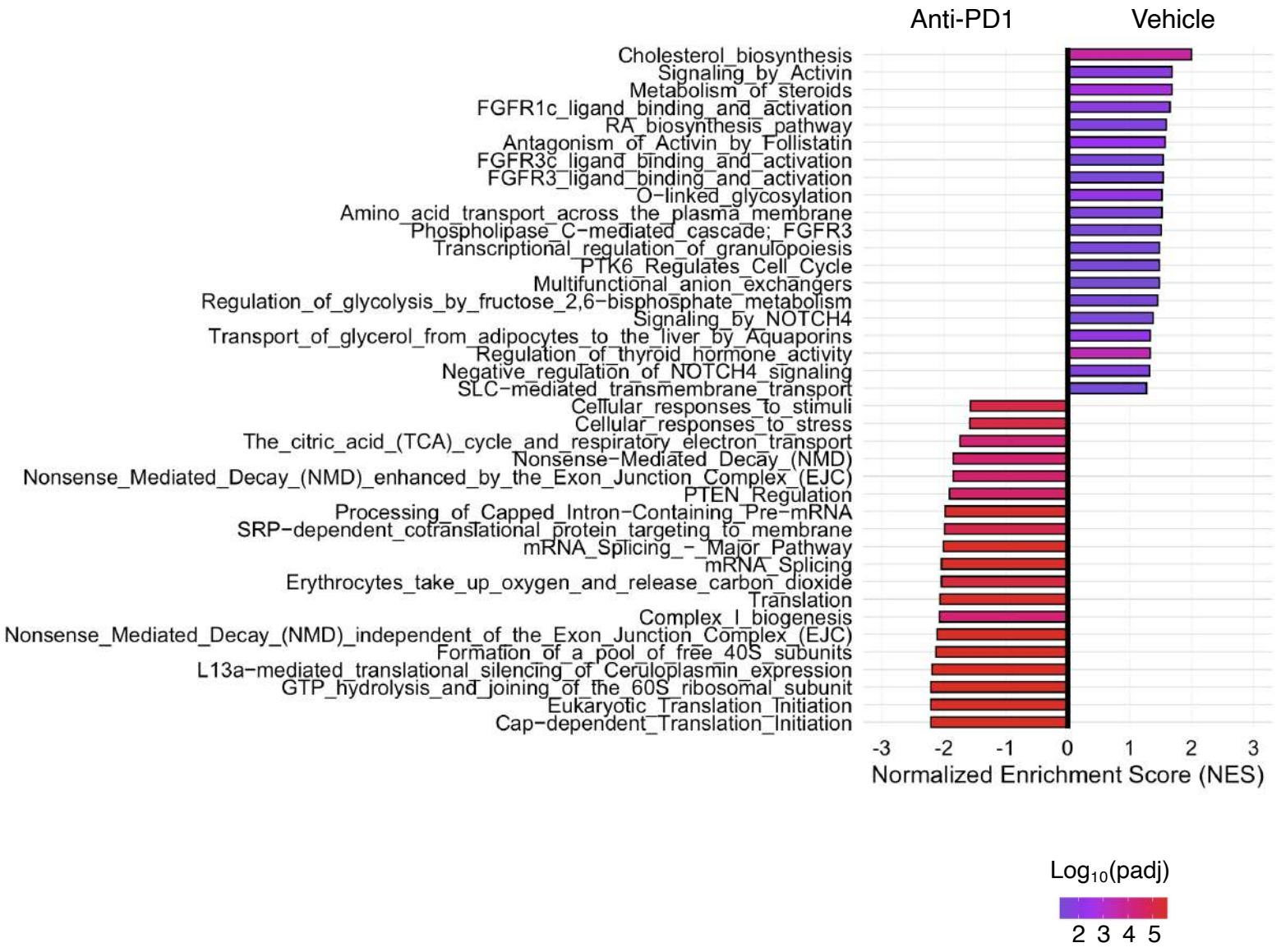




Supplementary Figure 5

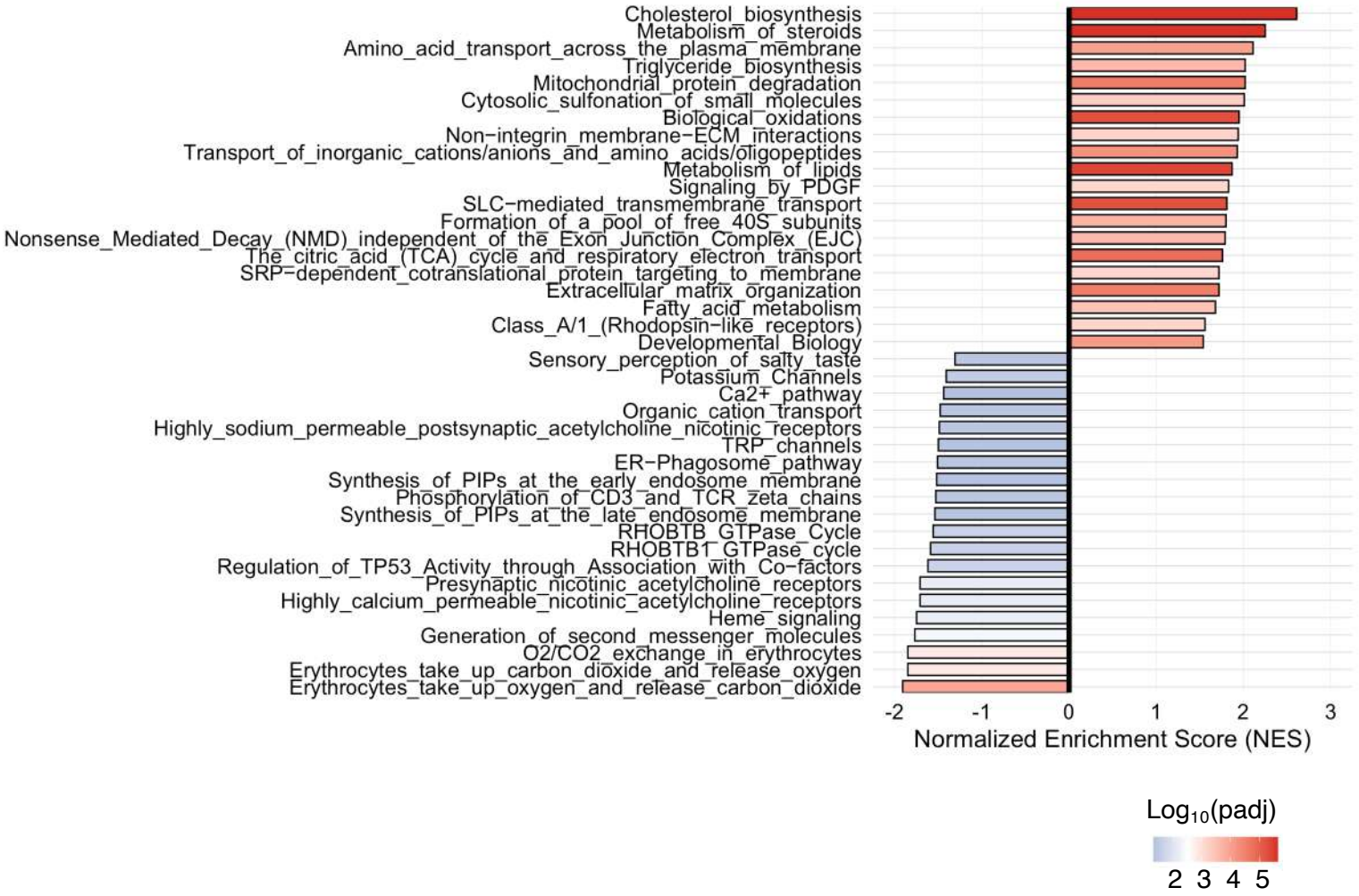
A

WT PCNSL (Immunocompetent and macrophage-depleted mice)

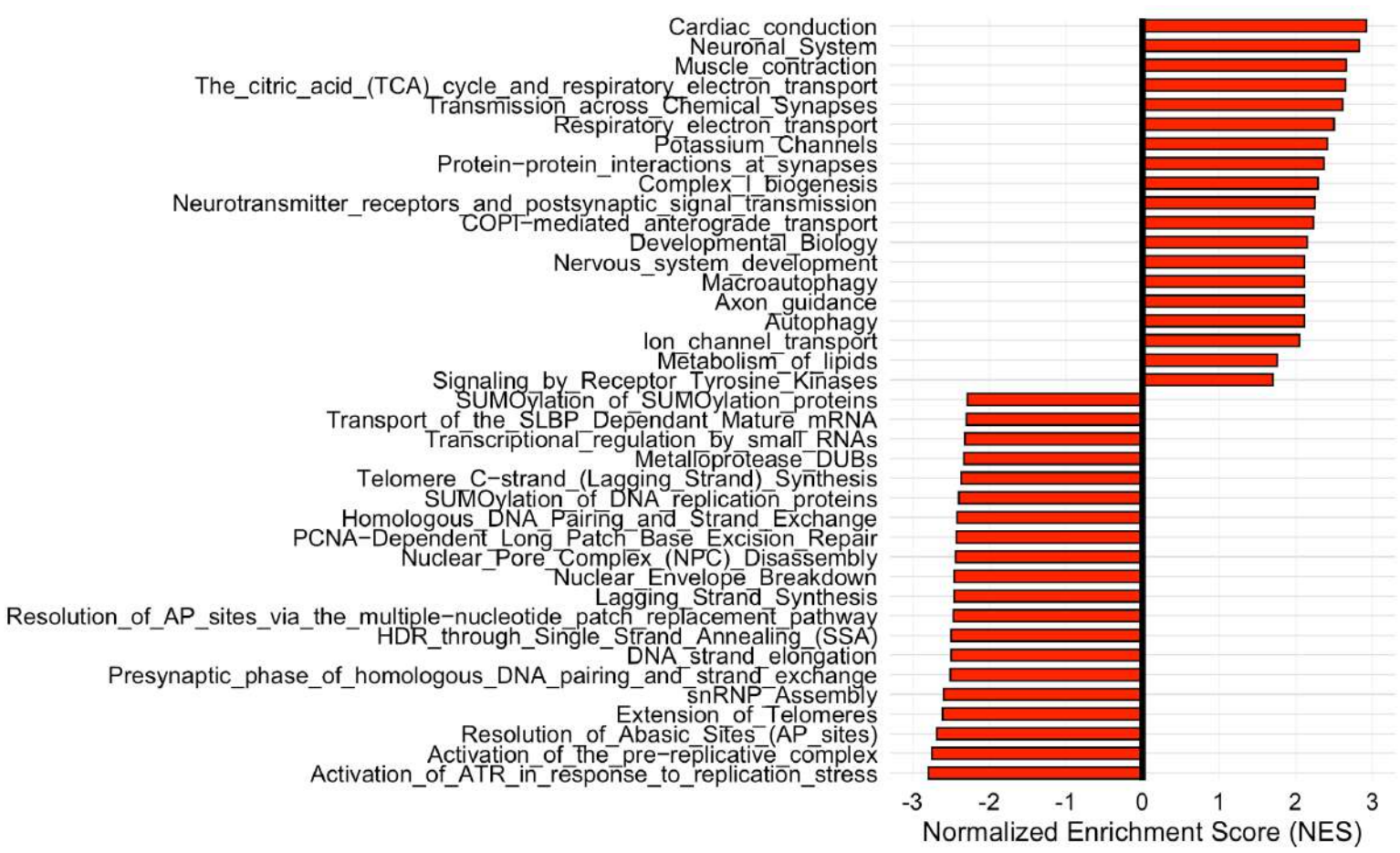


Supplementary Figure 5

B WT PCNSL (Macrophage-depleted mice): Vehicle vs. Anti-PD1 treatment



C Immunocompetent mice (Vehicle treatment): WT PCNSL vs. MHC-I KO PCNSL



Supplementary Table 1

	logFC	P.Value
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ENSMUSG00000060989.9,Gm11847,transcribed_processed_pseudogene	3.907782	0.0414071
ENSMUSG00000091058.3,Gm17538,processed_pseudogene	3.2318802	0.0244605
ENSMUSG00000121418.1,ENSMUSG00000121418,lncRNA	3.0208004	0.0358209
ENSMUSG00000084842.4,Pabpc1l2b,protein_coding	3.0007294	0.029174
ENSMUSG00000079941.3,Cox5b-ps,protein_coding	2.9887243	0.0144159
ENSMUSG00000026712.4,Mrc1,protein_coding	2.6345999	3.652E-07
ENSMUSG00000101309.2,Gm29397,processed_pseudogene	2.5518978	0.0495066
ENSMUSG00000008845.10,Cd163,protein_coding	2.4462164	0.0003426
ENSMUSG00000073940.4,Hbb-bt,protein_coding	2.4099029	0.0038691
ENSMUSG00000095195.9,Gm3005,protein_coding	2.2219275	0.0423357
ENSMUSG00000025270.14,Alas2,protein_coding	2.2070482	0.0038056
ENSMUSG00000102674.3,8030442B05Rik,lncRNA	2.1302298	0.0007016
ENSMUSG00000030048.6,Gkn3,protein_coding	2.1182168	0.0057865
ENSMUSG00000143602.1,ENSMUSG00000143602,lncRNA	2.0909581	0.0066657
ENSMUSG00000069919.8,Hba-a1,protein_coding	1.9526057	0.0015207
ENSMUSG00000104908.3,1700015C17Rik,lncRNA	1.9360978	0.0018427
ENSMUSG00000123149.1,ENSMUSG00000123149,lncRNA	1.934608	0.0418476
ENSMUSG00000128422.1,ENSMUSG00000128422,lncRNA	1.9304069	0.0082266
ENSMUSG00000110146.2,Gm45487,TEC	1.7415261	0.0275996
ENSMUSG00000039109.18,F13a1,protein_coding	1.7267824	0.028607
ENSMUSG00000052305.7,Hbb-bs,protein_coding	1.6814246	0.0077865
ENSMUSG00000102803.2,Gm37477,TEC	1.6311594	0.0187566
ENSMUSG00000126878.1,ENSMUSG00000126878,lncRNA	1.6307061	0.0047484
ENSMUSG00000069917.8,Hba-a2,protein_coding	1.6134222	0.0189721
ENSMUSG00000117694.2,Snhg4,protein_coding	1.5985486	0.0400934
ENSMUSG00000126069.1,ENSMUSG00000126069,lncRNA	1.4995024	0.0096987
ENSMUSG00000121196.2,2810461L16Rik,lncRNA	1.4970469	0.0053326
ENSMUSG00000106447.2,Gm42957,protein_coding	1.4967427	0.0256212
ENSMUSG00000121135.2,Hmga2-ps1,lncRNA	1.4707407	0.0153135
ENSMUSG00000001494.7,Sost,protein_coding	1.4523182	0.0148547
ENSMUSG00000092674.5,Gm24105,misc_RNA	1.4451179	0.001926
ENSMUSG00000045903.10,Npas4,protein_coding	1.4207365	0.0001496
ENSMUSG00000069011.6,Gm10254,processed_pseudogene	1.3927226	0.0424876
ENSMUSG00000036353.14,P2ry12,protein_coding	1.389047	1.418E-06
ENSMUSG00000098950.8,Gm28036,protein_coding	1.3704651	0.0309009
ENSMUSG00000093846.3,Gm4425,lncRNA	1.34552	0.0454405
ENSMUSG00000039238.7,Zfp750,protein_coding	1.3317779	0.0045261
ENSMUSG00000118477.2,Gm18126,processed_pseudogene	1.319451	0.0344604
ENSMUSG00000126408.1,ENSMUSG00000126408,lncRNA	1.3121466	0.0063709
ENSMUSG00000050503.10,Fbxl22,protein_coding	1.2915004	0.0149813
ENSMUSG00000142543.1,ENSMUSG00000142543,lncRNA	1.2778631	0.0010636
ENSMUSG00000141718.1,ENSMUSG00000141718,lncRNA	1.2710293	0.0450553
ENSMUSG00000136668.1,ENSMUSG00000136668,lncRNA	1.2591139	0.00852
ENSMUSG00000047485.7,Klhl34,protein_coding	1.2371873	0.0019592
ENSMUSG00000091587.2,Gm17191,lncRNA	1.2352285	0.0222153
ENSMUSG00000125669.1,ENSMUSG00000125669,lncRNA	1.2133387	0.0200473
ENSMUSG00000104704.2,Gm43133,TEC	1.2024866	0.0038517
ENSMUSG00000105387.3,Gm29681,lncRNA	1.2002278	0.0434859
ENSMUSG00000138691.1,ENSMUSG00000138691,lncRNA	1.1997572	0.014493
ENSMUSG00000119552.1,Gm22798,snRNA	1.1980557	0.005237

ENSMUSG00000084828.3,Gm12367,lncRNA	1.1970962	0.0111295
ENSMUSG00000131748.1,ENSMUSG00000131748,lncRNA	1.1923235	0.0239935
ENSMUSG00000065669.3,Gm22581,snoRNA	1.1885839	0.0207744
ENSMUSG00000134859.1,ENSMUSG00000134859,lncRNA	1.1693682	0.0277558
ENSMUSG00000036362.3,P2ry13,protein_coding	1.1616492	0.0005432
ENSMUSG00000029546.13,Uncx,protein_coding	1.1575312	0.0154629
ENSMUSG00000051504.19,Siglech,protein_coding	1.1556864	0.0004342
ENSMUSG00000102709.2,Gm38308,TEC	1.1499077	0.0143486
ENSMUSG00000125567.1,ENSMUSG00000125567,lncRNA	1.1440573	0.0260923
ENSMUSG00000054675.6,Tmem119,protein_coding	1.1415252	0.0002781
ENSMUSG00000063383.6,Zfp947,protein_coding	1.1413466	0.0159035
ENSMUSG00000143946.1,ENSMUSG00000143946,lncRNA	1.1339944	0.0272205
ENSMUSG00000113076.2,Gm47088,TEC	1.1313644	0.0081261
ENSMUSG00000042286.14,Stab1,protein_coding	1.1238321	0.0004081
ENSMUSG00000079304.6,Tex52,protein_coding	1.118627	0.0031574
ENSMUSG00000052336.9,Cx3cr1,protein_coding	1.1129466	1.317E-05
ENSMUSG00000107676.2,Gm44178,TEC	1.1080653	0.0074448
ENSMUSG00000087390.2,Gm7598,lncRNA	1.1011763	0.0274464
ENSMUSG00000102945.2,Gm37884,TEC	1.0963797	0.0099405
ENSMUSG00000104971.2,9430087B13Rik,TEC	1.0918493	0.0428905
ENSMUSG00000120191.1,Gm57198,lncRNA	1.0892054	0.0001846
ENSMUSG00000010122.15,Slc47a1,protein_coding	1.0884457	0.0228435
ENSMUSG00000104002.3,Gm38336,lncRNA	1.0712079	0.000692
ENSMUSG00000057246.17,Tsbp1,protein_coding	1.0665885	0.0164252
ENSMUSG00000126475.1,ENSMUSG00000126475,lncRNA	1.058664	0.027632
ENSMUSG00000124674.1,ENSMUSG00000124674,lncRNA	1.056742	0.0273473
ENSMUSG00000085609.4,1700016P03Rik,lncRNA	1.0565868	0.0316268
ENSMUSG00000005373.14,Mlxipl,protein_coding	1.056275	0.0022601
ENSMUSG00000120121.2,Gm56779,lncRNA	1.0462442	0.0045439
ENSMUSG00000099672.3,Gm28564,lncRNA	1.0449152	0.0100544
ENSMUSG00000119278.1,Gm23092,snRNA	1.0406568	0.0321038
ENSMUSG00000060512.8,0610040J01Rik,protein_coding	1.0379301	0.0022064
ENSMUSG00000022245.16,Skor1,protein_coding	1.0372214	0.0245966
ENSMUSG00000097712.2,Gm10532,lncRNA	1.0242698	0.0161309
ENSMUSG00000034164.18,Emid1,protein_coding	1.0232475	0.0002901
ENSMUSG00000030786.19,Itgam,protein_coding	1.0125785	0.000122
ENSMUSG00000131495.1,ENSMUSG00000131495,lncRNA	1.0125014	0.0227116
ENSMUSG00000046470.6,Sox18,protein_coding	1.011371	0.0054926
ENSMUSG00000022483.18,Col2a1,protein_coding	1.0082133	0.0198854
ENSMUSG00000105620.2,Gm43047,TEC	1.0068037	0.0257763
ENSMUSG00000112278.4,Gm30025,lncRNA	1.0025526	0.0097115
ENSMUSG00000129238.1,ENSMUSG00000129238,lncRNA	1.0021966	0.0010363
ENSMUSG00000085564.2,Gm12198,lncRNA	0.9984994	0.018728
ENSMUSG00000116840.3,Gm21691,lncRNA	0.9937424	0.0390774
ENSMUSG00000083811.2,Gm13071,processed_pseudogene	0.9899083	0.0146429
ENSMUSG00000070858.13,Nicol1,protein_coding	0.9895281	0.0112613
ENSMUSG00000079550.10,Mpp4,protein_coding	0.9814989	0.0137456
ENSMUSG00000131593.1,ENSMUSG00000131593,lncRNA	0.9782412	0.0024228
ENSMUSG00000102723.2,Gm37936,TEC	0.97275	0.0325681
ENSMUSG00000019718.9,L3hypdh,protein_coding	0.9723004	0.0100992
ENSMUSG00000141389.1,ENSMUSG00000141389,lncRNA	0.9707887	0.002294
ENSMUSG00000114169.2,Gm47075,TEC	0.9693306	0.022446

ENSMUSG00000132281.1,ENSMUSG00000132281,lncRNA	0.9650149	0.0231106
ENSMUSG00000085434.3,Gm11725,lncRNA	0.9624882	0.010761
ENSMUSG00000021876.16,Rnase4,protein_coding	0.9549784	0.0001547
ENSMUSG00000105966.3,Gm43242,lncRNA	0.948185	0.0290655
ENSMUSG00000032268.14,Tmprss5,protein_coding	0.9480891	0.0097625
ENSMUSG00000120885.2,Gm57243,lncRNA	0.9473704	0.037315
ENSMUSG00000113396.3,Gm33467,lncRNA	0.9453077	0.0313273
ENSMUSG00000120483.2,Gm57264,lncRNA	0.9402617	0.0438532
ENSMUSG00000108255.3,Gm16499,lncRNA	0.9398516	0.008194
ENSMUSG00000133522.1,ENSMUSG00000133522,lncRNA	0.9324768	0.0116313
ENSMUSG00000064585.3,Gm25129,snoRNA	0.9268995	0.0080855
ENSMUSG00000086324.11,Gm15564,lncRNA	0.9204282	0.0235402
ENSMUSG00000032845.17,Alpk2,protein_coding	0.9202247	0.0209149
ENSMUSG00000072770.10,Acrbp,protein_coding	0.9196979	0.0019262
ENSMUSG00000079654.4,Prrt4,protein_coding	0.9195182	0.0133288
ENSMUSG00000122124.1,ENSMUSG00000122124,lncRNA	0.919084	0.0108433
ENSMUSG00000046109.8,AB041806,lncRNA	0.9075892	0.0055582
ENSMUSG00000119287.1,Gm23686,snRNA	0.9064886	0.0176075
ENSMUSG00000114200.3,Gm34721,lncRNA	0.9041127	0.0386169
ENSMUSG00000136297.1,ENSMUSG00000136297,lncRNA	0.9022316	0.0093428
ENSMUSG00000086296.5,D030055H07Rik,lncRNA	0.9022182	0.0074964
ENSMUSG00000048163.14,Selplg,protein_coding	0.9004002	0.0013713
ENSMUSG00000072720.10,Myo18b,protein_coding	0.8942429	0.0080892
ENSMUSG00000132067.1,ENSMUSG00000132067,lncRNA	0.8848653	0.0110165
ENSMUSG00000002020.16,Ltbp2,protein_coding	0.8823183	0.029751
ENSMUSG00000090207.4,4930524O07Rik,lncRNA	0.8818393	0.0070913
ENSMUSG00000040229.12,Gpr34,protein_coding	0.8799471	0.024828
ENSMUSG00000110187.2,Gm45496,TEC	0.8772871	0.0082478
ENSMUSG00000092805.4,Gm26461,misc_RNA	0.8761613	0.0134539
ENSMUSG00000119895.1,Gm22513,snRNA	0.8760472	0.0120842
ENSMUSG00000132639.1,ENSMUSG00000132639,lncRNA	0.8735964	0.028985
ENSMUSG00000028307.10,Aldob,protein_coding	0.8735809	0.0438506
ENSMUSG00000077221.3,Snord67,snoRNA	0.872633	0.0016592
ENSMUSG00000010825.18,Grid2ip,protein_coding	0.8691212	0.003786
ENSMUSG00000130617.1,ENSMUSG00000130617,lncRNA	0.8687732	0.0007379
ENSMUSG00000125136.1,ENSMUSG00000125136,lncRNA	0.8646433	0.0201502
ENSMUSG00000106380.3,Gm3519,lncRNA	0.8641676	0.0424823
ENSMUSG00000058620.6,Adra2b,protein_coding	0.8636484	0.04281
ENSMUSG00000079494.3,Nat8f5,protein_coding	0.862488	0.0317879
ENSMUSG00000121019.2,Gm57163,lncRNA	0.8596842	0.0285768
ENSMUSG00000086145.2,Gm15479,lncRNA	0.8588948	0.0266079
ENSMUSG00000136293.1,ENSMUSG00000136293,lncRNA	0.8530486	0.0331552
ENSMUSG00000048001.8,Hes5,protein_coding	0.850968	0.0350531
ENSMUSG00000045730.5,Adrb2,protein_coding	0.8499792	0.0044125
ENSMUSG00000094840.6,Muc3a,protein_coding	0.8489564	0.007209
ENSMUSG00000142419.1,ENSMUSG00000142419,lncRNA	0.8484954	0.0146899
ENSMUSG00000075593.11,Gal3st4,protein_coding	0.8482679	0.0076689
ENSMUSG00000123323.1,ENSMUSG00000123323,lncRNA	0.8466658	0.0076217
ENSMUSG00000057967.13,Fgf18,protein_coding	0.844678	0.0375702
ENSMUSG00000105594.2,Gm43398,TEC	0.843075	0.0283696
ENSMUSG00000042510.8,AA986860,protein_coding	0.8418299	0.0040807
ENSMUSG00000103195.2,Gm37644,TEC	0.84144	0.0169593

ENSMUSG00000122142.1,ENSMUSG00000122142,lncRNA	0.8406383	0.0026593
ENSMUSG00000110669.2,Gm10060,transcribed_processed_pseudogene	0.8401069	0.0128714
ENSMUSG00000050138.9,Kcnk12,protein_coding	0.8395144	0.0018264
ENSMUSG00000024621.17,Csf1r,protein_coding	0.8356029	0.0006273
ENSMUSG00000111348.3,Gm19531,lncRNA	0.8353095	0.0485561
ENSMUSG00000029716.14,Tfr2,protein_coding	0.8345517	0.0061024
ENSMUSG00002075260.1,Gm54658,misc_RNA	0.8335343	0.0024818
ENSMUSG00000123184.1,ENSMUSG00000123184,lncRNA	0.8262795	0.0070314
ENSMUSG00000131652.1,ENSMUSG00000131652,lncRNA	0.8230711	0.0218545
ENSMUSG00000118008.3,Gm36913,lncRNA	0.8194121	0.005346
ENSMUSG00000144159.1,ENSMUSG00000144159,lncRNA	0.8184841	0.0183974
ENSMUSG00000128141.1,ENSMUSG00000128141,lncRNA	0.8174508	0.0230561
ENSMUSG00000097515.4,1700040D17Rik,lncRNA	0.8098268	0.0123138
ENSMUSG00000087211.10,Lhx1os,lncRNA	0.8093788	0.0461736
ENSMUSG00000092626.4,9130230N09Rik,lncRNA	0.8072181	0.0470982
ENSMUSG00000116875.2,Morf4l1-ps1,transcribed_processed_pseudogene	0.8064171	0.0257879
ENSMUSG00000035486.15,Plk5,protein_coding	0.804675	0.0032025
ENSMUSG00000118399.2,Gm18917,processed_pseudogene	0.8011204	0.0479409
ENSMUSG00000129448.1,ENSMUSG00000129448,lncRNA	0.8007271	0.0377013
ENSMUSG00000003573.16,Homer3,protein_coding	0.7987935	0.0488566
ENSMUSG00000051985.13,Igfn1,protein_coding	0.7984768	0.0171499
ENSMUSG00000063765.13,Chadl,protein_coding	0.7976619	0.0002673
ENSMUSG00000063239.18,Grm4,protein_coding	0.7958382	0.0279892
ENSMUSG00000020734.14,Grin2c,protein_coding	0.7956794	0.0195977
ENSMUSG00000060969.10,Irx1,protein_coding	0.7941754	0.0494287
ENSMUSG00000100707.2,Gm28523,lncRNA	0.7930758	0.0414854
ENSMUSG00000116557.3,4933432I09Rik,lncRNA	0.7922617	0.0140707
ENSMUSG00000120857.2,Gm56797,lncRNA	0.7920688	0.0337436
ENSMUSG00000073888.14,Ccl27a,protein_coding	0.789964	0.0495792
ENSMUSG00000114210.5,A330084C13Rik,lncRNA	0.7894362	0.0053865
ENSMUSG00000113459.2,Gm30655,lncRNA	0.7873845	0.0207394
ENSMUSG00000097274.4,Gm47512,lncRNA	0.7869229	0.0002384
ENSMUSG00000112918.2,Gm18120,processed_pseudogene	0.7860663	0.0357572
ENSMUSG00000035355.16,Kcnh4,protein_coding	0.7803158	0.0361749
ENSMUSG00000118234.2,Gm50115,lncRNA	0.7763941	0.0256185
ENSMUSG00000138670.1,ENSMUSG00000138670,lncRNA	0.7763546	0.0393176
ENSMUSG00000120379.2,Gm56534,lncRNA	0.7761514	0.0371577
ENSMUSG00000028850.3,Gpatch3,protein_coding	0.7759702	0.0105034
ENSMUSG00000103845.2,Gm19026,processed_pseudogene	0.7753745	0.0143929
ENSMUSG00000020905.12,Usp43,protein_coding	0.7735621	0.0429706
ENSMUSG00000113423.2,Gm3791,processed_pseudogene	0.7683444	0.0336023
ENSMUSG00000026805.15,Barhl1,protein_coding	0.765075	0.0289278
ENSMUSG00000113689.3,Gm29676,lncRNA	0.76369	0.0349895
ENSMUSG00000036123.9,Slc9a3,protein_coding	0.7601491	0.0382228
ENSMUSG00000110471.2,Gm45823,lncRNA	0.7575117	0.0220774
ENSMUSG00000042631.8,Xkr7,protein_coding	0.7569481	0.0078986
ENSMUSG00000085315.10,A430018G15Rik,lncRNA	0.755826	0.0191548
ENSMUSG00000096974.5,Gm26881,lncRNA	0.7545845	0.0269652
ENSMUSG00000001249.15,Hpn,protein_coding	0.7539526	0.0226027
ENSMUSG00000099478.2,Gm28370,lncRNA	0.7525689	0.0253701
ENSMUSG00000030592.20,Ryr1,protein_coding	0.7524626	0.0013374
ENSMUSG00000143077.1,ENSMUSG00000143077,lncRNA	0.7477855	0.0439108

ENSMUSG00000090546.3,Cdr1,lncRNA	0.7409629	0.0419108
ENSMUSG00000023571.5,C1qtnf12,protein_coding	0.7388762	0.0219285
ENSMUSG00000059325.15,Hopx,protein_coding	0.7345191	0.0140161
ENSMUSG00000129512.1,ENSMUSG00000129512,lncRNA	0.7300136	0.0271229
ENSMUSG00000085272.8,Sbk3,protein_coding	0.7268897	0.0019956
ENSMUSG00000110239.4,Gm45620,lncRNA	0.7263151	0.0261284
ENSMUSG00000121015.1,Gm56721,lncRNA	0.722573	0.0246416
ENSMUSG00000040140.16,Tdrd6,protein_coding	0.7205316	0.0019328
ENSMUSG00000028661.9,Epha8,protein_coding	0.7187988	0.010093
ENSMUSG00000126811.1,ENSMUSG00000126811,lncRNA	0.7125947	0.0031915
ENSMUSG00000070803.7,Cited4,protein_coding	0.7108883	0.0047774
ENSMUSG00000036915.18,Kirrel2,protein_coding	0.7097538	0.0129792
ENSMUSG00000108402.2,9430064I24Rik,TEC	0.7094114	0.0037951
ENSMUSG00000046456.15,Tmem150b,protein_coding	0.7085473	0.0445235
ENSMUSG00000134561.1,ENSMUSG00000134561,lncRNA	0.7070416	0.0027339
ENSMUSG00000108790.2,Gm44806,TEC	0.7054245	0.0033075
ENSMUSG00000120068.2,Gm56647,lncRNA	0.7048893	0.0435648
ENSMUSG00000085687.2,Gm16153,lncRNA	0.7047337	0.0318388
ENSMUSG00000038060.16,Dlec1,protein_coding	0.7041662	0.0359406
ENSMUSG00000141422.1,ENSMUSG00000141422,lncRNA	0.7041627	0.0021345
ENSMUSG00000037035.6,Inhbb,protein_coding	0.7028826	0.0086285
ENSMUSG00000060985.16,Tdrd5,protein_coding	0.7024646	0.0107732
ENSMUSG00000038963.16,Slco4a1,protein_coding	0.7014288	0.0250775
ENSMUSG00002076809.1,Gm54754,misc_RNA	0.7006693	0.0002851
ENSMUSG00000021255.18,Esrrb,protein_coding	0.6993212	0.0051712
ENSMUSG00000044367.8,Slc16a13,protein_coding	0.6981303	0.0010851
ENSMUSG00000045246.13,Kcng4,protein_coding	0.6964145	0.0202652
ENSMUSG00000097610.5,A930012L18Rik,lncRNA	0.6948487	0.0316198
ENSMUSG00000108737.2,BC060293,TEC	0.6945032	0.0054718
ENSMUSG00000025171.3,Ubtd1,protein_coding	0.6931774	0.0007153
ENSMUSG00000020788.16,Atp2a3,protein_coding	0.6874068	0.035697
ENSMUSG00000028979.18,Masp2,protein_coding	0.6863881	0.006573
ENSMUSG00000102972.2,Gm37348,processed_pseudogene	0.6859164	0.0430822
ENSMUSG00000035172.16,Plekhh3,protein_coding	0.6842833	0.0021086
ENSMUSG00000070720.5,Tmem200b,protein_coding	0.6842494	0.0252861
ENSMUSG00000060275.15,Nrg2,protein_coding	0.6839904	0.0039334
ENSMUSG00000120522.2,Gm54109,lncRNA	0.6810047	0.0024848
ENSMUSG00000021464.16,Ror2,protein_coding	0.6737481	0.0472072
ENSMUSG00000117613.4,Gm2629,lncRNA	0.6726058	0.0346396
ENSMUSG00000140944.1,ENSMUSG00000140944,lncRNA	0.6723856	0.0020933
ENSMUSG00000117878.3,Gm50202,lncRNA	0.6719624	0.0119809
ENSMUSG00000021221.17,Dpf3,protein_coding	0.6711721	0.0287163
ENSMUSG00000086844.4,B230206H07Rik,lncRNA	0.6697386	0.0161026
ENSMUSG00000032313.12,Tmem266,protein_coding	0.6688021	0.0403588
ENSMUSG00000097596.2,Gm26673,lncRNA	0.6683571	0.0438627
ENSMUSG00000058498.13,Rnf207,protein_coding	0.6675954	0.0220752
ENSMUSG00000031543.19,Ank1,protein_coding	0.6664095	0.003713
ENSMUSG00000028919.12,Arhgef19,protein_coding	0.6658741	0.0015439
ENSMUSG00000039133.10,9330171B17Rik,lncRNA	0.6656668	0.0317466
ENSMUSG00000136446.1,ENSMUSG00000136446,lncRNA	0.6642052	0.0370537
ENSMUSG00000107499.2,Ccdc142,protein_coding	0.6637265	0.0171225
ENSMUSG00000121783.1,ENSMUSG00000121783,lncRNA	0.6628886	0.0076322

ENSMUSG00000005716.17,Pvalb,protein_coding	0.662041	0.0278819
ENSMUSG00000002274.15,Metrn,protein_coding	0.6617335	0.0006839
ENSMUSG00000024420.10,Zfp521,protein_coding	0.6593722	0.0397941
ENSMUSG00000120496.2,Gm56762,lncRNA	0.6588637	0.03806
ENSMUSG00000112779.2,Gm18029,processed_pseudogene	0.6583589	0.0414945
ENSMUSG00000129177.1,ENSMUSG00000129177,lncRNA	0.6580231	0.007013
ENSMUSG00000041423.17,Paqr6,protein_coding	0.6574278	0.0034192
ENSMUSG00000036913.16,Trim67,protein_coding	0.6567169	0.0245314
ENSMUSG00000115157.3,Gm49397,lncRNA	0.656034	0.0177786
ENSMUSG00000121926.1,ENSMUSG00000121926,protein_coding	0.6559941	0.0196126
ENSMUSG00000029528.20,Pxn,protein_coding	0.6544635	0.0119836
ENSMUSG00000055485.7,Mtcl2,protein_coding	0.6539938	0.0173733
ENSMUSG00000135622.1,ENSMUSG00000135622,lncRNA	0.6539725	0.011069
ENSMUSG00000117900.3,Gm50323,lncRNA	0.6533776	0.0333388
ENSMUSG00000107795.2,Gm44105,lncRNA	0.651836	0.0487503
ENSMUSG00000110446.2,Gm18646,processed_pseudogene	0.6513764	0.0381962
ENSMUSG00000094437.3,Gm9830,processed_pseudogene	0.649313	0.039175
ENSMUSG00000062785.15,Kcnc3,protein_coding	0.6481182	0.0044506
ENSMUSG00000078202.4,Nrarp,protein_coding	0.6468126	0.0016206
ENSMUSG00000042671.13,Rgs8,protein_coding	0.6377529	0.0177051
ENSMUSG00000097184.5,4632428C04Rik,lncRNA	0.6358262	0.0249162
ENSMUSG00000084887.3,Gm11749,lncRNA	0.6334872	0.0258239
ENSMUSG00000101693.3,Gm19461,lncRNA	0.6317858	0.0166349
ENSMUSG00000037960.12,Card19,protein_coding	0.6291754	0.0080935
ENSMUSG00000040938.17,Slc16a11,protein_coding	0.6291635	0.0408445
ENSMUSG00000130727.1,ENSMUSG00000130727,lncRNA	0.6264043	0.0348981
ENSMUSG00000080937.2,Gm13510,processed_pseudogene	0.6248808	0.0202851
ENSMUSG00000052105.18,Mtcl1,protein_coding	0.6246729	0.0041502
ENSMUSG00000090236.4,Car15,protein_coding	0.6246238	0.0278883
ENSMUSG00000066438.7,Plekhd1,protein_coding	0.6223752	0.0238641
ENSMUSG00000048677.10,Tpcn2,protein_coding	0.6220267	0.0210934
ENSMUSG00000062372.14,Otof,protein_coding	0.6217536	0.0086202
ENSMUSG00000047604.4,Frat2,protein_coding	0.6203286	0.0063601
ENSMUSG00000006345.11,Ggt1,protein_coding	0.6198156	0.0335061
ENSMUSG00000083307.2,AA414768,processed_pseudogene	0.6159378	0.0276013
ENSMUSG00000040703.12,Cyp2s1,protein_coding	0.6159312	0.0105958
ENSMUSG00000092090.5,Gm3294,lncRNA	0.6156845	0.0445178
ENSMUSG00000111474.3,Gm32926,lncRNA	0.6130761	0.0179337
ENSMUSG00000020101.15,Vsir,protein_coding	0.6126437	0.0017384
ENSMUSG00000131201.1,ENSMUSG00000131201,lncRNA	0.61155	0.0047804
ENSMUSG00000074219.5,Gm10644,lncRNA	0.6098665	0.0239371
ENSMUSG00000023034.8,Nr4a1,protein_coding	0.6079642	0.0433499
ENSMUSG00000115220.2,Gm49768,lncRNA	0.6075263	0.0286268
ENSMUSG00000037295.8,Ldlrap1,protein_coding	0.6057946	0.0287743
ENSMUSG00000113679.3,Gm10432,lncRNA	0.6056778	0.0235828
ENSMUSG00000109857.4,Gm53058,lncRNA	0.6056695	0.0297587
ENSMUSG00000040136.11,Abcc8,protein_coding	0.6026522	0.0030633
ENSMUSG00000041930.8,Fam222a,protein_coding	0.60226	0.0013815
ENSMUSG00000010080.16,Epn3,protein_coding	0.601551	0.0100079
ENSMUSG00000030089.16,Slc41a3,protein_coding	0.6012396	0.0172973
ENSMUSG00000049295.18,Zfp219,protein_coding	0.6008827	0.0015248
ENSMUSG00000019312.11,Grb7,protein_coding	0.5993591	0.0413152

ENSMUSG00000040740.8,Slc25a34,protein_coding	0.5986258	0.0140032
ENSMUSG00000028664.15,Ephb2,protein_coding	0.5973829	0.0023438
ENSMUSG00002074985.1,Gm56381,misc_RNA	0.5968491	0.0275018
ENSMUSG00000023938.9,Aars2,protein_coding	0.595942	0.0003678
ENSMUSG00000110540.2,Gm45743,TEC	0.5955506	0.0231764
ENSMUSG00000110997.2,2610028D06Rik,TEC	0.5949274	0.0028618
ENSMUSG00000042529.15,Kcnj12,protein_coding	0.5936632	0.026598
ENSMUSG00000107879.3,9330102E08Rik,translated_unprocessed_pseudogene	0.5930845	0.0006162
ENSMUSG00000137527.1,ENSMUSG00000137527,lncRNA	0.5925639	0.0253892
ENSMUSG00000020902.13,Ntn1,protein_coding	0.5879018	0.0152545
ENSMUSG00000026458.14,Ppfia4,protein_coding	0.586972	0.0075923
ENSMUSG00000027239.15,Mdk,protein_coding	0.5865757	0.0018711
ENSMUSG00000050910.6,Cdr2l,protein_coding	0.5863268	0.0007723
ENSMUSG00000021375.12,Kif13a,protein_coding	0.5844175	0.0002805
ENSMUSG00000123602.1,ENSMUSG00000123602,lncRNA	0.583315	0.0089345
ENSMUSG00000000202.10,Btbd17,protein_coding	0.5831486	0.0106273
ENSMUSG00000075591.4,Gm10874,lncRNA	0.5819487	0.037975
ENSMUSG00000024925.12,Rnaseh2c,protein_coding	0.5813773	0.0024862
ENSMUSG00000062151.14,Unc13c,protein_coding	0.5800715	0.0009714
ENSMUSG00000034471.13,Caskin2,protein_coding	0.5797663	0.0058564
ENSMUSG00000116617.3,Gm49767,lncRNA	0.5791192	0.0474252
ENSMUSG00000068551.13,Zfp467,protein_coding	0.578522	0.0008764
ENSMUSG00000058966.14,Tlcd3b,protein_coding	0.5765163	0.0015836
ENSMUSG00000045777.15,Ifitm10,protein_coding	0.5752938	0.0121948
ENSMUSG00000109792.2,Gm45426,TEC	0.5738408	0.025266
ENSMUSG00000017007.10,Rbpjl,protein_coding	0.570226	0.0402185
ENSMUSG00000024790.9,Sac3d1,protein_coding	0.5698762	0.0250253
ENSMUSG00000128262.1,ENSMUSG00000128262,lncRNA	0.5680894	0.0120545
ENSMUSG00000042978.12,Sbk1,protein_coding	0.5674278	0.0171446
ENSMUSG00000108594.2,Gm44770,TEC	0.5673127	0.0249053
ENSMUSG00000036964.15,Trim17,protein_coding	0.5661533	0.0137593
ENSMUSG00000039662.17,Icmt,protein_coding	0.5654755	0.0056281
ENSMUSG00000105946.2,Gm43776,TEC	0.5642969	0.0193073
ENSMUSG00000113309.2,Gm48408,TEC	0.5638665	0.036667
ENSMUSG00000113610.2,Gm47132,TEC	0.5627002	0.0390501
ENSMUSG00000111334.3,Gm30015,lncRNA	0.5610042	0.0394397
ENSMUSG00000033871.15,Ppargc1b,protein_coding	0.5604312	0.0011494
ENSMUSG00000020937.15,Plcd3,protein_coding	0.5593993	0.0058935
ENSMUSG00000020334.7,Slc22a4,protein_coding	0.5581625	0.046707
ENSMUSG00000045282.8,Tmem86b,protein_coding	0.5576665	0.0072271
ENSMUSG00000137596.1,ENSMUSG00000137596,lncRNA	0.5569243	0.0130957
ENSMUSG00000016624.16,Phf21b,protein_coding	0.5566483	0.008986
ENSMUSG00000040860.17,Crocc,protein_coding	0.5558134	0.0184632
ENSMUSG00000087508.3,Gm14174,lncRNA	0.5554651	0.0126064
ENSMUSG00000125590.1,ENSMUSG00000125590,lncRNA	0.5554456	0.0043452
ENSMUSG00000074652.4,Myh7b,protein_coding	0.5545045	0.0051767
ENSMUSG00000050271.13,Prag1,protein_coding	0.5527767	0.0020092
ENSMUSG00000111254.2,Gm48717,TEC	0.5519813	0.0281832
ENSMUSG00000120002.2,Gm57146,lncRNA	0.5516866	0.0426911
ENSMUSG00000028795.16,Ccdc28b,protein_coding	0.5515545	0.007503
ENSMUSG00000079334.9,Naa80,protein_coding	0.5506186	0.0202469
ENSMUSG00000030739.20,Myh14,protein_coding	0.5505365	0.002164

ENSMUSG00000027612.8,Mmp24,protein_coding	0.5499413	0.0242748
ENSMUSG00000110702.2,Gm45767,lncRNA	0.5482633	0.0496384
ENSMUSG00000035407.9,Kank4,protein_coding	0.5473377	0.0280185
ENSMUSG00000078157.2,Fem1al,protein_coding	0.5465517	0.0148857
ENSMUSG00000043843.18,Tmem145,protein_coding	0.5461963	0.0075231
ENSMUSG00000117692.4,Gm50114,lncRNA	0.5461328	0.0444689
ENSMUSG00000087038.12,2900079G21Rik,lncRNA	0.5452302	0.0388896
ENSMUSG00000072647.7,Adam1a,protein_coding	0.5451077	0.0165514
ENSMUSG00000118030.3,Gm50163,lncRNA	0.5423055	0.0118202
ENSMUSG00000021265.4,Slc25a29,protein_coding	0.5404364	0.0082415
ENSMUSG00000045318.7,Adra2c,protein_coding	0.5383635	0.0440488
ENSMUSG00000046997.6,Spsb4,protein_coding	0.5381608	0.0192781
ENSMUSG00000141378.1,ENSMUSG00000141378,lncRNA	0.5377046	0.0058683
ENSMUSG00000045314.6,Sowahb,protein_coding	0.537146	0.0076445
ENSMUSG00002075041.1,Gm56244,misc_RNA	0.5356232	0.0017705
ENSMUSG00000036882.8,Arhgap33,protein_coding	0.5354931	0.0423903
ENSMUSG00000029419.9,Ajm1,protein_coding	0.5352332	0.0096765
ENSMUSG00000025739.14,Gng13,protein_coding	0.5339261	0.0271317
ENSMUSG00000016510.12,Mtif3,protein_coding	0.5322554	0.0005133
ENSMUSG00000096054.4,Syne1,protein_coding	0.5302788	0.0110126
ENSMUSG00000088185.3,Scarna2,scaRNA	0.5295781	0.0018614
ENSMUSG00000002308.17,Cd320,protein_coding	0.5294581	0.0075135
ENSMUSG00000042918.18,Mamstr,protein_coding	0.5281284	0.0219618
ENSMUSG00000031790.9,Mmp15,protein_coding	0.5280976	0.0060984
ENSMUSG00000032232.15,Cgnl1,protein_coding	0.5278123	0.0028601
ENSMUSG00000079242.4,C730034F03Rik,lncRNA	0.5272735	0.0320466
ENSMUSG00000118257.3,9630014M24Rik,lncRNA	0.526918	0.0360227
ENSMUSG00000015879.9,Fam184b,protein_coding	0.524045	0.0071297
ENSMUSG00000025207.17,Sema4g,protein_coding	0.5235895	0.0064384
ENSMUSG00000043633.7,Fam221b,protein_coding	0.5233133	0.0289311
ENSMUSG00000088008.3,Gm25492,scaRNA	0.5222646	0.0370614
ENSMUSG00000028626.6,Col9a2,protein_coding	0.5222236	0.013654
ENSMUSG00000024663.21,Rab3il1,protein_coding	0.5207361	0.0109284
ENSMUSG00000027574.16,Nkain4,protein_coding	0.5207357	0.0233598
ENSMUSG00000079598.5,Clec2l,protein_coding	0.5196015	0.0110592
ENSMUSG00000055818.4,A230083G16Rik,lncRNA	0.5195467	0.0031921
ENSMUSG00000113262.2,Gm48551,protein_coding	0.5178072	0.0421111
ENSMUSG00000066842.19,Hmcn1,protein_coding	0.5177204	0.0451619
ENSMUSG00000087963.3,Gm25394,snoRNA	0.5174759	0.0322166
ENSMUSG00000097428.3,AW047730,lncRNA	0.5174488	0.00478
ENSMUSG00000120847.1,Gm56991,lncRNA	0.51651	0.0436149
ENSMUSG00000010505.17,Myt1,protein_coding	0.5147975	0.0122341
ENSMUSG00000029231.16,Pdgfra,protein_coding	0.5120186	0.0001513
ENSMUSG00000089255.3,Snora78,snoRNA	0.5118179	0.0261232
ENSMUSG00000039781.16,Cep131,protein_coding	0.5092375	0.0059162
ENSMUSG00000035109.15,Shc4,protein_coding	0.5088558	0.0119171
ENSMUSG00000102461.2,Gm37166,TEC	0.508124	0.0442238
ENSMUSG00000035576.14,L3mbtl1,protein_coding	0.5081162	0.0431187
ENSMUSG00000103285.2,Gm37274,TEC	0.5078055	0.0126069
ENSMUSG00000049265.9,Kcnk3,protein_coding	0.5072962	0.0251834
ENSMUSG00000048385.11,Scrt1,protein_coding	0.506849	0.0018045
ENSMUSG00000030093.8,Wnt7a,protein_coding	0.5053455	0.024756

ENSMUSG00000010154.8,Spire2,protein_coding	0.5053366	0.0336881
ENSMUSG00000021061.16,Sptb,protein_coding	0.5045047	0.0023454
ENSMUSG00000014786.9,Slc9a5,protein_coding	0.5044524	0.0011843
ENSMUSG00000030137.9,Tuba8,protein_coding	0.503113	0.0463822
ENSMUSG00000023495.14,Pcbp4,protein_coding	0.5027724	0.0022954
ENSMUSG00000120979.2,Gm56718,lncRNA	0.5023709	0.0154127
ENSMUSG00000002763.17,Pex6,protein_coding	0.5015641	0.0009871
ENSMUSG00000121607.1,Nlgn4l,protein_coding	0.5004482	0.0004658
ENSMUSG00000131621.1,ENSMUSG00000131621,lncRNA	0.5001299	0.0243525
ENSMUSG00000001507.17,Itga3,protein_coding	0.4995418	0.0102244
ENSMUSG00000020092.10,Pald1,protein_coding	0.4989285	0.003457
ENSMUSG00000112941.4,Gm48623,lncRNA	0.4979628	0.0374999
ENSMUSG00000029059.10,Prxl2b,protein_coding	0.4979299	0.0052397
ENSMUSG00000000552.11,Zfp385a,protein_coding	0.4971328	0.0044752
ENSMUSG00000090799.3,Klhl33,protein_coding	0.4969649	0.0138707
ENSMUSG00000059842.13,Zfp341,protein_coding	0.4956245	0.0150911
ENSMUSG00000008855.18,Hdac5,protein_coding	0.4940699	0.0023382
ENSMUSG00000034006.18,Slc66a2,protein_coding	0.4936061	0.0004519
ENSMUSG00000018821.4,Avpi1,protein_coding	0.4926993	0.0495861
ENSMUSG00000007570.17,Fance,protein_coding	0.4926049	0.018151
ENSMUSG00000032911.7,Cspg4,protein_coding	0.4920209	0.0051728
ENSMUSG00000038712.17,Mindy1,protein_coding	0.4916954	0.0060032
ENSMUSG00000028631.8,Kcnq4,protein_coding	0.4914008	0.0463653
ENSMUSG00000074281.5,Gm12522,lncRNA	0.4909625	0.0378414
ENSMUSG00000056592.15,Zfp175,protein_coding	0.4908552	0.0120001
ENSMUSG00000042073.16,Abhd14b,protein_coding	0.4903192	0.013699
ENSMUSG00000102627.2,Snurf,protein_coding	0.4899122	0.0229658
ENSMUSG00000097842.4,9330104G04Rik,lncRNA	0.4866258	0.0076907
ENSMUSG00000048481.16,Mypop,protein_coding	0.4861577	0.0100377
ENSMUSG00000024579.8,Pcyox1l,protein_coding	0.4854483	0.0010207
ENSMUSG00000050854.10,Tmem125,protein_coding	0.4854328	0.0338193
ENSMUSG00000123952.1,ENSMUSG00000123952,lncRNA	0.4842643	0.0176242
ENSMUSG00000026024.15,Als2,protein_coding	0.4840758	0.0370052
ENSMUSG00000087042.2,Gm11611,lncRNA	0.4825267	0.0193809
ENSMUSG00000041797.8,Abca9,protein_coding	0.4820478	0.002798
ENSMUSG00000017724.15,Etv4,protein_coding	0.4819883	0.0050392
ENSMUSG00000017386.11,Traf4,protein_coding	0.4812015	0.0214985
ENSMUSG00000032583.8,Mon1a,protein_coding	0.4801788	0.0136081
ENSMUSG00000131183.1,ENSMUSG00000131183,lncRNA	0.4796677	0.003691
ENSMUSG00000032735.16,Ablim3,protein_coding	0.4793509	0.0341206
ENSMUSG00000043670.5,Diras1,protein_coding	0.4793395	0.005573
ENSMUSG00000084880.2,Tomm6os,lncRNA	0.4784021	0.014122
ENSMUSG00000079055.11,Slc8a3,protein_coding	0.4774022	0.0005316
ENSMUSG00000023473.14,Celsr3,protein_coding	0.4765243	0.0088724
ENSMUSG00000121080.1,Gm57228,lncRNA	0.4765231	0.0336172
ENSMUSG00000018861.9,Fdxr,protein_coding	0.4758169	0.0172454
ENSMUSG00000108808.2,Gm45204,TEC	0.4755616	0.0339599
ENSMUSG00000098051.3,Gm27032,lncRNA	0.4752909	0.0220567
ENSMUSG00000048537.17,Phldb1,protein_coding	0.4749074	0.0069368
ENSMUSG00000107230.4,Gm19265,lncRNA	0.4744498	0.0404727
ENSMUSG00000005958.16,Ephb3,protein_coding	0.4743104	0.0462305
ENSMUSG00000058975.8,Kcnc1,protein_coding	0.4741771	0.0098454

ENSMUSG00000033763.15,Mtss2,protein_coding	0.4740288	0.00507
ENSMUSG00000027257.14,Pacsin3,protein_coding	0.473844	0.007971
ENSMUSG00000070420.5,Zscan25,protein_coding	0.4735667	0.0297516
ENSMUSG00000011751.18,Sptbn4,protein_coding	0.4733697	0.008253
ENSMUSG00000121226.1,6720407P12Rik,lncRNA	0.4726338	0.0075344
ENSMUSG00000044927.8,H1f10,protein_coding	0.4710152	0.0438479
ENSMUSG00000051067.9,Lingo3,protein_coding	0.4708402	0.012892
ENSMUSG00000028373.17,Astn2,protein_coding	0.4707933	0.0223601
ENSMUSG00000053166.15,Cdh22,protein_coding	0.4704859	0.0094387
ENSMUSG00000039759.11,Thap3,protein_coding	0.4702898	0.044424
ENSMUSG00000050240.17,Hic2,protein_coding	0.469879	0.0040452
ENSMUSG00000031150.14,Ccdc120,protein_coding	0.4680454	0.0173461
ENSMUSG00000062012.15,Zfp13,protein_coding	0.4678158	0.0146686
ENSMUSG00000097320.10,Tmem147os,lncRNA	0.4675522	0.0224587
ENSMUSG00000039860.20,Srrm3,protein_coding	0.4672605	0.0152016
ENSMUSG00000107976.2,Gm44043,TEC	0.4671428	0.0499694
ENSMUSG00000020099.9,Unc5b,protein_coding	0.4662314	0.0060695
ENSMUSG00000100164.3,2610306M01Rik,lncRNA	0.4660418	0.019397
ENSMUSG00000105228.2,Gm43340,TEC	0.464659	0.0494432
ENSMUSG00000066191.13,Anks6,protein_coding	0.464412	0.0381742
ENSMUSG00000078490.11,Cfap74,protein_coding	0.464293	0.0030891
ENSMUSG00000018378.14,Cuedc1,protein_coding	0.4637946	0.0029827
ENSMUSG00000032109.16,Nlrx1,protein_coding	0.4627146	0.0315476
ENSMUSG00000096847.3,Tmem151b,protein_coding	0.4621899	0.0028337
ENSMUSG00000058740.15,Kcnt1,protein_coding	0.4612101	0.0180946
ENSMUSG00000023009.15,Nckap5l,protein_coding	0.4610867	0.0166846
ENSMUSG00000020411.3,Nipal4,protein_coding	0.4608339	0.0462695
ENSMUSG00000096370.9,Gm21992,protein_coding	0.4602803	0.0030472
ENSMUSG00000048707.10,Tprn,protein_coding	0.4602357	0.039615
ENSMUSG00000029471.14,Camkk2,protein_coding	0.4598321	0.0134843
ENSMUSG00000020836.16,Coro6,protein_coding	0.4585195	0.0040419
ENSMUSG00000025158.8,Rfng,protein_coding	0.457964	0.0157989
ENSMUSG00000024736.16,Tmem132a,protein_coding	0.457276	0.0156455
ENSMUSG00000039137.19,Whrn,protein_coding	0.456603	0.0024916
ENSMUSG00000045045.8,Lrfn4,protein_coding	0.4562622	0.0127871
ENSMUSG00000020263.15,Appl2,protein_coding	0.4562097	0.0458072
ENSMUSG00000039278.11,Pcsk1n,protein_coding	0.4558799	0.0498928
ENSMUSG00000097545.10,Mir124a-1hg,lncRNA	0.4558674	0.0453377
ENSMUSG00000026347.14,Tmem163,protein_coding	0.4557374	0.0357184
ENSMUSG00000024851.15,Pitpnm1,protein_coding	0.4553729	0.0032712
ENSMUSG00000059810.19,Rgs3,protein_coding	0.4550481	0.0088976
ENSMUSG00000027977.16,Ndst3,protein_coding	0.4544604	0.0430218
ENSMUSG00000025464.16,Paox,protein_coding	0.4536671	0.0087269
ENSMUSG00000001802.17,Lrp3,protein_coding	0.4533837	0.0070039
ENSMUSG00000140119.1,ENSMUSG00000140119,lncRNA	0.4533019	0.0069026
ENSMUSG00000026452.16,Syt2,protein_coding	0.4519298	0.029647
ENSMUSG00000029228.16,Lnx1,protein_coding	0.4507215	0.0084509
ENSMUSG00000037224.16,Zfyve28,protein_coding	0.4495697	0.0109635
ENSMUSG00000046380.4,Jrk,protein_coding	0.4490942	0.0055014
ENSMUSG00000049521.3,Cdc42ep1,protein_coding	0.4488649	0.0068205
ENSMUSG00000051146.4,Camk2n2,protein_coding	0.4484033	0.0380917
ENSMUSG00000103630.2,Gm37242,TEC	0.4478126	0.0175996

ENSMUSG00000042246.6,Tmc7,protein_coding	0.4474	5.625E-05
ENSMUSG00000002409.19,Dyrk1b,protein_coding	0.4468827	0.0083546
ENSMUSG00000063382.7,Bcl9l,protein_coding	0.4465672	0.0030485
ENSMUSG00000113003.2,Gm47138,TEC	0.4465185	0.0423496
ENSMUSG00000025477.15,Inpp5a,protein_coding	0.4464143	0.0399296
ENSMUSG00000030590.16,Fam98c,protein_coding	0.4460931	0.0035016
ENSMUSG00000036218.17,Pdzrn4,protein_coding	0.4458021	0.0094142
ENSMUSG00000018428.16,Akap1,protein_coding	0.4454378	0.0002489
ENSMUSG00000049643.16,2310022A10Rik,protein_coding	0.4454233	0.0035329
ENSMUSG00000070047.15,Fat1,protein_coding	0.4452878	0.0360822
ENSMUSG00000034685.5,Fam171a2,protein_coding	0.4433015	0.0330286
ENSMUSG00000026425.16,Srgap2,protein_coding	0.4433003	0.0043994
ENSMUSG00000029544.17,Cabp1,protein_coding	0.4429839	0.004521
ENSMUSG00000085873.3,Ttc39aos1,lncRNA	0.4424674	0.0281727
ENSMUSG00000084845.11,Tmem240,protein_coding	0.4409079	0.0425176
ENSMUSG00000002032.18,Tmem25,protein_coding	0.4407941	0.0012678
ENSMUSG00000034771.16,Tle2,protein_coding	0.4407323	0.0437014
ENSMUSG00000050860.7,Phospho1,protein_coding	0.4404871	0.0089131
ENSMUSG00000033705.18,Stard9,protein_coding	0.4402679	0.0021426
ENSMUSG00000047656.10,Trpt1,protein_coding	0.4390923	0.0169904
ENSMUSG00000080465.3,Snord94,snoRNA	0.4385194	0.0178789
ENSMUSG00000068115.14,Ninl,protein_coding	0.4375894	0.0107761
ENSMUSG00000020701.13,Tmem132e,protein_coding	0.4371082	0.0473412
ENSMUSG00000044134.10,Pheta1,protein_coding	0.436913	0.020261
ENSMUSG00000032842.14,Abcc10,protein_coding	0.4363095	0.0134364
ENSMUSG00000022948.17,Setd4,protein_coding	0.4359498	0.0237662
ENSMUSG00000029554.16,Mad1l1,protein_coding	0.4354236	0.0156451
ENSMUSG00000032036.16,Kirrel3,protein_coding	0.4347239	0.0047584
ENSMUSG00000020486.20,Septin4,protein_coding	0.4346131	0.0012543
ENSMUSG00000118864.1,Gm25679,snRNA	0.4342061	0.0313039
ENSMUSG00000119670.1,Gm24305,snRNA	0.4342061	0.0313039
ENSMUSG00000119206.1,Gm22317,snRNA	0.4342061	0.0313039
ENSMUSG00000045100.12,Slc25a26,protein_coding	0.4340106	0.0029837
ENSMUSG00000036242.16,Armh4,protein_coding	0.4336497	0.0489511
ENSMUSG00000031782.16,Coq9,protein_coding	0.4333993	0.0002012
ENSMUSG00000050132.14,Sarm1,protein_coding	0.4331603	0.0237085
ENSMUSG00000047181.13,Samd14,protein_coding	0.4328716	0.0422474
ENSMUSG00000028909.18,Ptpru,protein_coding	0.4324909	0.0046103
ENSMUSG00000128125.1,ENSMUSG00000128125,lncRNA	0.4324598	0.016497
ENSMUSG00000039741.17,Bahcc1,protein_coding	0.4314303	0.0088662
ENSMUSG00000038026.13,Kcnj9,protein_coding	0.4301234	0.0193526
ENSMUSG00000054708.18,Ankrd24,protein_coding	0.4293841	0.0230042
ENSMUSG00000002105.16,Slc39a13,protein_coding	0.4293767	0.0039498
ENSMUSG00000060166.7,Zdhhc8,protein_coding	0.4290012	0.0174458
ENSMUSG00000114148.2,Gm47701,lncRNA	0.4286995	0.0384989
ENSMUSG00000026790.20,Odf2,protein_coding	0.4283504	0.0086186
ENSMUSG00000039648.15,Kyat1,protein_coding	0.4283089	0.0125084
ENSMUSG00000029054.9,Gabrd,protein_coding	0.4278004	0.0272018
ENSMUSG00000007721.7,Ccdc124,protein_coding	0.4277538	0.0091834
ENSMUSG00000030513.15,Pcsk6,protein_coding	0.4274892	0.0214245
ENSMUSG00000038695.14,Josd2,protein_coding	0.4274813	0.0120161
ENSMUSG00000087574.4,C030037D09Rik,lncRNA	0.4273732	0.0018891

ENSMUSG00000022623.18,Shank3,protein_coding	0.4262489	0.0179163
ENSMUSG00000054716.5,Zfp771,protein_coding	0.4262029	0.0056387
ENSMUSG00000029468.18,P2rx7,protein_coding	0.4259273	0.0455341
ENSMUSG00000055053.19,Nfic,protein_coding	0.4257303	0.00602
ENSMUSG00000002871.15,Tpra1,protein_coding	0.4250303	0.0050932
ENSMUSG00000034949.19,Zfr2,protein_coding	0.4247028	0.019566
ENSMUSG00000053693.17,Mast1,protein_coding	0.4245193	0.0092575
ENSMUSG00000026883.18,Dab2ip,protein_coding	0.4235958	0.0214762
ENSMUSG00000029071.17,Dvl1,protein_coding	0.4235638	0.0003073
ENSMUSG00000047264.9,Zfp358,protein_coding	0.4234419	0.031725
ENSMUSG00000087301.10,Gm13629,lncRNA	0.4230838	0.0296817
ENSMUSG00000087128.10,Gm12655,lncRNA	0.4230058	0.0319846
ENSMUSG00000006403.14,Adamts4,protein_coding	0.4228929	0.0075453
ENSMUSG00000020135.14,Apc2,protein_coding	0.4227922	0.0124083
ENSMUSG00000034570.13,Inpp5j,protein_coding	0.4219476	0.0091602
ENSMUSG00000061046.10,Haghl,protein_coding	0.4218	0.0038463
ENSMUSG00000020038.11,Cry1,protein_coding	0.4217583	0.0089694
ENSMUSG00000037979.14,Ccdc92,protein_coding	0.4214195	0.0083236
ENSMUSG00000045625.6,Pigz,protein_coding	0.4214093	0.0332798
ENSMUSG00000031955.11,Bcar1,protein_coding	0.4212328	0.0092627
ENSMUSG00000033006.11,Sox10,protein_coding	0.4211582	0.0131552
ENSMUSG00000041775.8,Mapk1ip1,protein_coding	0.4208978	0.0025918
ENSMUSG00000046574.9,Prr12,protein_coding	0.420535	0.0025594
ENSMUSG00000066607.6,Insyn1,protein_coding	0.4198862	0.0255895
ENSMUSG00000029651.17,Mtus2,protein_coding	0.4198499	0.0110041
ENSMUSG00000115317.4,Gm32618,lncRNA	0.4198378	0.0404061
ENSMUSG00000052133.17,Sema5b,protein_coding	0.4196096	0.0132515
ENSMUSG00000086784.3,Isoc2a,protein_coding	0.418702	0.0071536
ENSMUSG00000004263.16,Atn1,protein_coding	0.4186313	0.0088225
ENSMUSG00000041073.11,Nacad,protein_coding	0.4182413	0.0073129
ENSMUSG00000042256.6,Ptchd4,protein_coding	0.4178516	0.0047214
ENSMUSG00000035206.11,Sppl2b,protein_coding	0.4178274	0.010504
ENSMUSG00000074283.6,Zfp109,protein_coding	0.4177454	0.0324178
ENSMUSG00000006576.17,Slc4a3,protein_coding	0.417463	0.0132824
ENSMUSG00000040721.10,Zfhx2,protein_coding	0.4170375	0.0293928
ENSMUSG00000040759.10,Cmtm5,protein_coding	0.4164715	0.0033898
ENSMUSG00000066621.13,Tecpr1,protein_coding	0.4163608	0.0078157
ENSMUSG00000031832.16,Taf1c,protein_coding	0.4159399	0.0088432
ENSMUSG00000026121.14,Sema4c,protein_coding	0.4157528	0.0088229
ENSMUSG00000034105.10,Meak7,protein_coding	0.4156636	0.0110631
ENSMUSG00000032044.5,Rpusd4,protein_coding	0.4154239	0.0244396
ENSMUSG00000102748.2,Pcdhgb2,protein_coding	0.4141973	0.0181347
ENSMUSG00000037326.11,Capn15,protein_coding	0.4140921	0.0044958
ENSMUSG00000029860.17,Zyx,protein_coding	0.413511	0.0044466
ENSMUSG00000044788.11,Fads6,protein_coding	0.4135059	0.0300153
ENSMUSG00000102813.2,Gm37795,TEC	0.4134399	0.0407826
ENSMUSG00000022376.9,Adcy8,protein_coding	0.4130285	0.0053167
ENSMUSG00000045636.17,Mtus1,protein_coding	0.4120856	0.0150481
ENSMUSG00000027544.17,Nfatc2,protein_coding	0.4116479	0.0175099
ENSMUSG00000024940.12,Ltbp3,protein_coding	0.4102261	0.0300816
ENSMUSG00000060843.12,Ctnna3,protein_coding	0.4097893	0.0373483
ENSMUSG00000104830.2,5830487J09Rik,lncRNA	0.4086813	0.0244189

ENSMUSG00000026930.16,Gpsm1,protein_coding	0.4085973	0.0260504
ENSMUSG00000134651.1,ENSMUSG00000134651,lncRNA	0.4081364	0.0123646
ENSMUSG00000003344.16,Btbd2,protein_coding	0.4079816	0.016689
ENSMUSG00000027709.10,Mccc1,protein_coding	0.407682	0.0145153
ENSMUSG00000071477.11,Zfp777,protein_coding	0.4076713	0.0083048
ENSMUSG00000027950.8,Chrnb2,protein_coding	0.4070914	0.0036084
ENSMUSG00000045087.9,S1pr5,protein_coding	0.4069872	0.0064836
ENSMUSG00000066129.18,Kndc1,protein_coding	0.4068358	0.0075204
ENSMUSG00000028358.16,Zfp618,protein_coding	0.404511	0.0334942
ENSMUSG00000012609.20,Ttll5,protein_coding	0.4036028	0.0021428
ENSMUSG00000002820.7,Atg4d,protein_coding	0.4035964	0.0060103
ENSMUSG00000043602.6,Zfp3,protein_coding	0.4027631	0.0153257
ENSMUSG00000051390.11,Zbtb22,protein_coding	0.4027077	0.0054848
ENSMUSG00000025576.18,Rbfox3,protein_coding	0.4026153	0.0085408
ENSMUSG00000028917.15,Plekhm2,protein_coding	0.4014125	0.0014928
ENSMUSG00000047797.15,Gjb1,protein_coding	0.4013212	0.0239701
ENSMUSG00000097350.5,4732491K20Rik,lncRNA	0.4002819	0.0039528
ENSMUSG00000042109.9,Csdc2,protein_coding	0.4000958	0.0202131
ENSMUSG00000049562.7,Ap5b1,protein_coding	0.399944	0.0471719
ENSMUSG00000033819.17,Ppp1r16a,protein_coding	0.3988025	0.0045111
ENSMUSG00000029408.14,Abcb9,protein_coding	0.3987073	0.0139957
ENSMUSG00000028807.3,Zbtb8a,protein_coding	0.398149	0.0438589
ENSMUSG00000057378.16,Ryr3,protein_coding	0.3979801	0.0484376
ENSMUSG00000029547.11,Ints1,protein_coding	0.3975343	0.0049541
ENSMUSG00000038264.9,Sema7a,protein_coding	0.3974575	0.0013223
ENSMUSG00000049303.11,Syt12,protein_coding	0.3972881	0.0286186
ENSMUSG00000038517.16,Tbkbp1,protein_coding	0.397178	0.021459
ENSMUSG00000060402.9,Chst8,protein_coding	0.3971466	0.0066166
ENSMUSG00000061589.15,Dot1l,protein_coding	0.3965132	0.0172627
ENSMUSG00000039087.18,Rreb1,protein_coding	0.3960477	0.0110979
ENSMUSG00000108940.2,Gm45719,TEC	0.3958858	0.0235472
ENSMUSG00000032763.12,Ilvbl,protein_coding	0.3958471	0.0034838
ENSMUSG00000023051.13,Tarbp2,protein_coding	0.3958234	0.0486237
ENSMUSG00000030611.11,Mrps11,protein_coding	0.3957473	0.0210078
ENSMUSG00000066892.15,Fbxl12,protein_coding	0.3957332	0.0097865
ENSMUSG00000038888.9,Ctu1,protein_coding	0.3951112	0.0173318
ENSMUSG00000022211.10,Carmil3,protein_coding	0.3949725	0.0272953
ENSMUSG00000030688.16,Stard10,protein_coding	0.3949113	0.008358
ENSMUSG00000024773.16,Atg2a,protein_coding	0.3946922	0.0031343
ENSMUSG00000045174.11,Amer3,protein_coding	0.3941758	0.0160211
ENSMUSG00000056665.3,Them6,protein_coding	0.3939039	0.0245738
ENSMUSG00000126882.1,ENSMUSG00000126882,lncRNA	0.3937706	0.0202744
ENSMUSG00000053414.9,Hunk,protein_coding	0.3937489	0.0220663
ENSMUSG00000022562.16,Oplah,protein_coding	0.3936621	0.0203234
ENSMUSG00000106927.2,Gm43598,lncRNA	0.3933952	0.0362024
ENSMUSG00000002210.12,Smg9,protein_coding	0.3931914	0.0063421
ENSMUSG00000052751.17,Repin1,protein_coding	0.3931469	0.0017678
ENSMUSG00000020848.8,Doc2b,protein_coding	0.3930238	0.0169864
ENSMUSG00000096221.5,1500002C15Rik,lncRNA	0.3930178	0.0434756
ENSMUSG00000041199.4,Rpusd1,protein_coding	0.3929757	0.0232591
ENSMUSG00000002504.16,Nherf2,protein_coding	0.3928219	0.009505
ENSMUSG00000030839.13,Sergef,protein_coding	0.3927703	0.0043046

ENSMUSG00000043323.18,Fbrsl1,protein_coding	0.3925992	0.0078061
ENSMUSG00000109715.4,Gm45606,lncRNA	0.3923534	0.0113378
ENSMUSG00000034656.19,Cacna1a,protein_coding	0.3911185	0.0255565
ENSMUSG00000020357.4,Flt4,protein_coding	0.3907763	0.0255886
ENSMUSG00000022842.19,Ece2,protein_coding	0.3905694	0.0207249
ENSMUSG00000084883.3,Ccdc85c,protein_coding	0.3903271	0.0085529
ENSMUSG00000024347.17,Psd2,protein_coding	0.3903	0.0182363
ENSMUSG00000023007.16,Prpf40b,protein_coding	0.3901302	0.0089352
ENSMUSG00000037386.17,Rims2,protein_coding	0.3896616	0.012163
ENSMUSG00000106981.2,Gm45495,lncRNA	0.3896107	0.0173848
ENSMUSG00000033703.10,Fcsk,protein_coding	0.3895274	0.0122386
ENSMUSG00000036545.10,Adamts2,protein_coding	0.3891724	0.0111133
ENSMUSG00000034799.17,Unc13a,protein_coding	0.3891439	0.0400158
ENSMUSG00000026211.19,Obsl1,protein_coding	0.3886108	0.0349527
ENSMUSG00000028464.17,Tpm2,protein_coding	0.3885745	0.0391148
ENSMUSG00000022414.9,Tab1,protein_coding	0.3881278	0.0035182
ENSMUSG00000043987.19,Cep164,protein_coding	0.3869933	0.002432
ENSMUSG00000071719.3,Nalf2,protein_coding	0.3865512	0.0298083
ENSMUSG00000026207.17,Speg,protein_coding	0.3861708	0.0323778
ENSMUSG00000035342.15,Lzts2,protein_coding	0.3861265	0.0122118
ENSMUSG00000019194.16,Scn1b,protein_coding	0.3859763	0.0173479
ENSMUSG00000026856.15,Dolpp1,protein_coding	0.3857047	0.0229701
ENSMUSG00000121871.2,Slc2a4rg-ps,lncRNA	0.3852857	0.0407918
ENSMUSG00000033510.15,Otud7a,protein_coding	0.3849451	0.0177135
ENSMUSG00000066278.7,Vps37b,protein_coding	0.3849336	0.0208179
ENSMUSG00000120081.1,Gm57354,lncRNA	0.3848467	0.0037932
ENSMUSG00000025318.14,Jph3,protein_coding	0.3846567	0.0187489
ENSMUSG00000024429.10,Gnl1,protein_coding	0.3843514	0.0120093
ENSMUSG00000033948.4,Zswim5,protein_coding	0.3842933	0.0020604
ENSMUSG00000033597.10,Caskin1,protein_coding	0.3842264	0.0275282
ENSMUSG00000037904.15,Ankrd9,protein_coding	0.3837351	0.0430816
ENSMUSG00000058441.8,Panx2,protein_coding	0.3834685	0.0152078
ENSMUSG00000034730.19,Adgrb1,protein_coding	0.3832001	0.0432969
ENSMUSG00000053214.9,Gm9899,lncRNA	0.382852	0.0335355
ENSMUSG00000119476.1,Rnu1a1,snRNA	0.3827418	0.0262311
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ENSMUSG00000038145.18,Snrk,protein_coding	0.3825291	0.0486984
ENSMUSG00000074811.4,Hps6,protein_coding	0.3822394	0.0460264
ENSMUSG00000042404.17,Dennd4b,protein_coding	0.3822393	0.0034748
ENSMUSG00000032135.16,Mcam,protein_coding	0.3821733	0.0145868
ENSMUSG00000041609.17,Bicdl1,protein_coding	0.3819737	0.0115203
ENSMUSG00000104416.2,Gm37067,TEC	0.3814737	0.0390091
ENSMUSG00000038489.9,Polr2l,protein_coding	0.3812573	0.0279656
ENSMUSG00000034522.11,Zfp395,protein_coding	0.3804196	0.0204392
ENSMUSG00000027134.5,Lpcat4,protein_coding	0.379395	0.0047386
ENSMUSG00000022817.16,Itgb5,protein_coding	0.379138	0.0065434
ENSMUSG00000097699.4,5430400D12Rik,lncRNA	0.3791205	0.0499209
ENSMUSG00000015016.9,Acsf3,protein_coding	0.3785575	0.0165907
ENSMUSG00000077254.3,Gm26079,snoRNA	0.3785348	0.0431794
ENSMUSG00000001288.16,Rarg,protein_coding	0.3781582	0.0180702
ENSMUSG00000046947.13,Adck2,protein_coding	0.3779416	0.0231814
ENSMUSG00000022763.19,Aifm3,protein_coding	0.377755	0.0324616

ENSMUSG00000047419.6,Cmya5,protein_coding	0.3757316	0.0304755
ENSMUSG00000026494.13,Kif26b,protein_coding	0.3748634	0.049989
ENSMUSG00000028910.13,Mecr,protein_coding	0.3744962	0.0209132
ENSMUSG00000028672.14,Hmgcl,protein_coding	0.3741039	0.0120734
ENSMUSG00000007603.10,Dus3l,protein_coding	0.3740939	0.0073748
ENSMUSG00000040479.13,Dgkz,protein_coding	0.3725998	0.0258444
ENSMUSG00000038738.16,Shank1,protein_coding	0.3721793	0.0452502
ENSMUSG00000033458.18,Fan1,protein_coding	0.3720167	0.0024206
ENSMUSG00000044030.5,Irf2bp1,protein_coding	0.3707689	0.0111072
ENSMUSG00000072893.14,4933439C10Rik,lncRNA	0.3699638	0.0222163
ENSMUSG00000030276.20,Ttll3,protein_coding	0.369953	0.0380414
ENSMUSG00000021009.16,Ptpn21,protein_coding	0.3692806	0.0079143
ENSMUSG00000121879.2,Zfp862-ps,lncRNA	0.3688134	0.0063505
ENSMUSG00000040220.11,Gas8,protein_coding	0.3687784	0.0105595
ENSMUSG00000020811.17,Wscd1,protein_coding	0.36871	0.0100358
ENSMUSG00000075028.13,Prdm11,protein_coding	0.3682962	0.0183877
ENSMUSG00000032741.10,Tpcn1,protein_coding	0.3678695	0.0045901
ENSMUSG00000029033.17,Acap3,protein_coding	0.3677804	0.0341817
ENSMUSG00000038545.14,Cul7,protein_coding	0.3670671	0.0463109
ENSMUSG00000038453.18,Srcin1,protein_coding	0.3668437	0.0332602
ENSMUSG00000025538.16,Sumf2,protein_coding	0.3668307	0.0319729
ENSMUSG00000024137.10,E4f1,protein_coding	0.3667034	0.0328149
ENSMUSG00000024862.17,Klc2,protein_coding	0.3666339	0.0223558
ENSMUSG00000033768.18,Nrxn2,protein_coding	0.3663336	0.0225225
ENSMUSG00000036186.6,Dipk1b,protein_coding	0.3662273	0.0439781
ENSMUSG00000004934.15,Pias4,protein_coding	0.3653668	0.0051671
ENSMUSG00000103255.2,Pcdhac1,protein_coding	0.3653481	0.0443942
ENSMUSG00000023017.11,Asic1,protein_coding	0.3652402	0.0103171
ENSMUSG00000022075.8,Rhobtb2,protein_coding	0.3651358	0.0061961
ENSMUSG00000020846.7,Rflnb,protein_coding	0.3649889	0.0189192
ENSMUSG00000040913.12,Fbxw4,protein_coding	0.3649434	0.0329587
ENSMUSG00000024901.16,Peli3,protein_coding	0.3646961	0.011563
ENSMUSG00000022416.16,Cacna1i,protein_coding	0.3643361	0.0223172
ENSMUSG00000017417.15,Plxdc1,protein_coding	0.3634979	0.0413532
ENSMUSG00000020868.16,Xylt2,protein_coding	0.3630143	0.0477836
ENSMUSG00000026860.17,Sh3glb2,protein_coding	0.3628522	0.0156497
ENSMUSG00000030231.12,Plekha5,protein_coding	0.3627288	0.0181339
ENSMUSG00000039578.18,Ccser1,protein_coding	0.3621583	0.0137978
ENSMUSG00000037221.14,Mospd3,protein_coding	0.3621195	0.0453314
ENSMUSG00000032537.16,Ephb1,protein_coding	0.3620308	0.0088936
ENSMUSG00000060477.15,Irak2,protein_coding	0.3619548	0.0174497
ENSMUSG00000030083.12,Abtb1,protein_coding	0.3618233	0.0111853
ENSMUSG00000028041.18,Adam15,protein_coding	0.3617992	0.0112111
ENSMUSG00000039850.17,Endov,protein_coding	0.3616487	0.0010458
ENSMUSG00000069814.7,Ccdc92b,protein_coding	0.3613538	0.0248952
ENSMUSG00000071669.15,Snx29,protein_coding	0.3612389	0.0007755
ENSMUSG00000033208.8,S100b,protein_coding	0.3609773	0.0172591
ENSMUSG00000035863.15,Palm,protein_coding	0.3609461	0.0367613
ENSMUSG00000042846.9,Lrrtm3,protein_coding	0.3609246	0.0173247
ENSMUSG00000070000.14,Fcho1,protein_coding	0.3608676	0.0167065
ENSMUSG00000052406.15,Rexo4,protein_coding	0.3606693	0.0012841
ENSMUSG00000035891.17,Cerk,protein_coding	0.3599838	0.0127403

ENSMUSG00000040390.14,Map3k10,protein_coding	0.3593611	0.0334466
ENSMUSG00000060716.8,Plekhh1,protein_coding	0.3592955	0.0076592
ENSMUSG00000025175.13,Fn3k,protein_coding	0.3591827	0.0032423
ENSMUSG00000036989.17,Trim3,protein_coding	0.3590356	0.0170149
ENSMUSG00000002280.12,Ciao3,protein_coding	0.3589734	0.003333
ENSMUSG00000024830.18,Rps6kb2,protein_coding	0.3584662	0.0286363
ENSMUSG00000038777.20,Sema6c,protein_coding	0.3584208	0.0492826
ENSMUSG00000029028.15,Lrrc47,protein_coding	0.3583638	0.0029017
ENSMUSG00000044700.16,Tmem201,protein_coding	0.3577761	0.0170339
ENSMUSG00000026991.21,Pkp4,protein_coding	0.3576503	0.0005299
ENSMUSG00000034194.19,R3hcc1,protein_coding	0.3576079	0.021662
ENSMUSG00000006435.17,Neurl1a,protein_coding	0.3569745	0.0425506
ENSMUSG00000021240.7,Abcd4,protein_coding	0.3566053	0.0237604
ENSMUSG00000024955.16,Esrra,protein_coding	0.3561691	0.0058451
ENSMUSG00000004562.17,Arhgef40,protein_coding	0.3555149	0.0419692
ENSMUSG00000047085.15,Lrrc4b,protein_coding	0.3547352	0.0117496
ENSMUSG00000057706.8,Mex3b,protein_coding	0.3546918	0.0319606
ENSMUSG00000000305.13,Cdh4,protein_coding	0.3545119	0.0210923
ENSMUSG00000031706.8,Rfx1,protein_coding	0.3545066	0.0185582
ENSMUSG00000025195.10,Dnmbp,protein_coding	0.3543987	0.0091125
ENSMUSG00000037408.11,Cnnm4,protein_coding	0.354192	0.0494967
ENSMUSG00000001065.16,Zfp276,protein_coding	0.3541385	0.025506
ENSMUSG00000069806.6,Cacng7,protein_coding	0.3540286	0.0194897
ENSMUSG00000121881.2,Dnaaf8,lncRNA	0.353718	0.035786
ENSMUSG00000031728.11,Zfp821,protein_coding	0.3535424	0.003312
ENSMUSG00000003068.18,Stk11,protein_coding	0.3534709	0.0021925
ENSMUSG00000036073.19,Galt,protein_coding	0.3528627	0.0286179
ENSMUSG00000066839.13,Ecsit,protein_coding	0.3528323	0.0077403
ENSMUSG00000042662.17,Dusp15,protein_coding	0.3526988	0.006445
ENSMUSG00000020519.6,Sap30l,protein_coding	0.3522997	0.0182476
ENSMUSG00000028849.18,Map7d1,protein_coding	0.3522331	0.0094126
ENSMUSG00000034361.11,Cpne2,protein_coding	0.3520229	0.0258221
ENSMUSG00000027582.17,Zgpat,protein_coding	0.3518454	0.0303951
ENSMUSG00002076601.1,Scarna13,scaRNA	0.3517501	0.0463459
ENSMUSG00000021495.11,Fam193b,protein_coding	0.3517235	0.0274305
ENSMUSG00000031865.17,Dctn1,protein_coding	0.3515878	0.0247473
ENSMUSG00000015745.10,Plekho1,protein_coding	0.3512799	0.0045947
ENSMUSG00000024962.14,Vegfb,protein_coding	0.3508373	0.0140783
ENSMUSG00000047307.3,Pcdhb13,protein_coding	0.3507968	0.0363231
ENSMUSG00000061028.8,Clasrp,protein_coding	0.350771	0.0387876
ENSMUSG00000059772.13,Slx1b,protein_coding	0.3499643	0.0048035
ENSMUSG00000060012.10,Kif13b,protein_coding	0.3499115	0.0004865
ENSMUSG00000043065.13,Spice1,protein_coding	0.3496577	0.0075262
ENSMUSG00000001334.11,Fndc5,protein_coding	0.3495836	0.0149265
ENSMUSG00000020083.15,Fam241b,protein_coding	0.3494449	0.0262461
ENSMUSG00000042831.14,Alkbh6,protein_coding	0.3493013	0.0194686
ENSMUSG00000061013.7,Mkx,protein_coding	0.3492395	0.0430835
ENSMUSG00000091712.3,Sec14l5,protein_coding	0.3490816	0.0427723
ENSMUSG00000015599.10,Ttbk1,protein_coding	0.3486596	0.0265074
ENSMUSG00000022843.18,Clcn2,protein_coding	0.3484984	0.0237248
ENSMUSG00000041420.19,Meis3,protein_coding	0.3484642	0.0424214
ENSMUSG00000003299.11,Mrpl4,protein_coding	0.3484541	0.0199096

ENSMUSG00000019856.15,Fam184a,protein_coding	0.3476451	0.0181868
ENSMUSG00000013367.6,Iglon5,protein_coding	0.3476138	0.0276057
ENSMUSG00000027284.17,Cdan1,protein_coding	0.3472833	0.0020391
ENSMUSG00000118669.2,Arvcf,protein_coding	0.3472164	0.0496157
ENSMUSG00000033720.13,Sfxn5,protein_coding	0.3471824	0.0027732
ENSMUSG00000032855.7,Pkd1,protein_coding	0.3469971	0.0078068
ENSMUSG00000022791.20,Tnk2,protein_coding	0.3466067	0.0369141
ENSMUSG00000046822.15,Slc39a3,protein_coding	0.3465234	0.0275546
ENSMUSG00000038085.14,Cnbd2,protein_coding	0.346289	0.0341797
ENSMUSG00000024104.12,Washc2,protein_coding	0.3459504	0.024984
ENSMUSG00000029608.11,Rph3a,protein_coding	0.3458376	0.0251865
ENSMUSG00000058979.8,Hdhd5,protein_coding	0.345729	0.0172589
ENSMUSG00000026885.14,Ttll11,protein_coding	0.3456127	0.0389071
ENSMUSG00000007950.10,Abhd8,protein_coding	0.3451603	0.0240402
ENSMUSG00000031816.16,Mthfsd,protein_coding	0.3450707	0.0043207
ENSMUSG00000032908.10,Sgpp2,protein_coding	0.3441742	0.0328965
ENSMUSG00000050605.18,Zfp61,protein_coding	0.3440603	0.0053273
ENSMUSG00000009731.5,Kcnd1,protein_coding	0.3439612	0.0275108
ENSMUSG00000024050.19,Wiz,protein_coding	0.3433946	0.0033256
ENSMUSG00000029060.18,Mib2,protein_coding	0.3431263	0.0217603
ENSMUSG00000138224.1,ENSMUSG00000138224,lncRNA	0.3428986	0.0338501
ENSMUSG00000031523.17,Dlc1,protein_coding	0.3428709	0.011778
ENSMUSG00000042308.15,Setd1a,protein_coding	0.3421949	0.0015238
ENSMUSG00000062075.14,Lmnb2,protein_coding	0.3415572	0.0203461
ENSMUSG00000038406.18,Scaf1,protein_coding	0.3414893	0.0129318
ENSMUSG00000050989.11,Selenon,protein_coding	0.3413912	0.0402502
ENSMUSG00000018931.4,Natd1,protein_coding	0.341276	0.0155125
ENSMUSG00000024219.17,Anks1,protein_coding	0.3411743	0.0047177
ENSMUSG00000055305.16,Zfp93,protein_coding	0.3409877	0.0206208
ENSMUSG00000010066.17,Cacna2d2,protein_coding	0.3409038	0.0337081
ENSMUSG00000022217.15,Emc9,protein_coding	0.3408525	0.0267246
ENSMUSG00000002625.11,Akap8l,protein_coding	0.3407933	0.0141309
ENSMUSG00000042724.9,Map3k9,protein_coding	0.3404942	0.0135047
ENSMUSG00000039976.5,Tbc1d16,protein_coding	0.340445	0.0270799
ENSMUSG00000042532.15,Golga7b,protein_coding	0.3404004	0.0275704
ENSMUSG00000032012.10,Nectin1,protein_coding	0.3402215	0.0221775
ENSMUSG00000031398.14,Plxna3,protein_coding	0.340143	0.038155
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ENSMUSG00000038976.13,Ppp1r9b,protein_coding	0.3400275	0.0354693
ENSMUSG00000006526.14,Stimate,protein_coding	0.338913	0.0079732
ENSMUSG00000032607.13,Amt,protein_coding	0.3385292	0.0182756
ENSMUSG00000040260.9,Daam2,protein_coding	0.3385052	0.0128511
ENSMUSG00000013150.16,Gfod2,protein_coding	0.3380963	0.028862
ENSMUSG00000041119.13,Pde9a,protein_coding	0.338083	0.0285942
ENSMUSG00000035545.14,Leng8,protein_coding	0.3377475	0.0204651
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ENSMUSG00000035390.17,Brsk1,protein_coding	0.3373931	0.04028
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ENSMUSG00000051790.16,Nlgn2,protein_coding	0.336844	0.0350362
ENSMUSG00000045598.11,Zfp553,protein_coding	0.3360765	0.0005358
ENSMUSG00000040669.15,Phc1,protein_coding	0.3355196	0.0109328
ENSMUSG00000097929.10,Tunar,protein_coding	0.3355051	0.0464927

ENSMUSG00000045039.10,Megf8,protein_coding	0.3354441	0.0365327
ENSMUSG00000040097.17,Flywch1,protein_coding	0.3353026	0.0378425
ENSMUSG00000025892.17,Gria4,protein_coding	0.3349535	0.0312319
ENSMUSG00000027466.16,Rbck1,protein_coding	0.3342955	0.0089114
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ENSMUSG00000004937.7,Sgta,protein_coding	0.3336667	0.023001
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ENSMUSG00000026858.19,Miga2,protein_coding	0.3333321	0.0226968
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ENSMUSG00000031024.14,Dennd2b,protein_coding	0.3330351	0.04108
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ENSMUSG00000066306.14,Numa1,protein_coding	0.3325375	0.0060991
ENSMUSG00000042066.17,Tmcc2,protein_coding	0.3321184	0.013322
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ENSMUSG00000032890.18,Rims3,protein_coding	0.3297676	0.0439666
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ENSMUSG00000048154.18,Kmt2d,protein_coding	0.3282059	0.0051919
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ENSMUSG00000029714.12,Gigyf1,protein_coding	0.3277916	0.0086226
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ENSMUSG00000047921.19,Trappc9,protein_coding	0.3265146	0.0022082
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ENSMUSG00000020331.11,Hcn2,protein_coding	0.326018	0.0172616
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ENSMUSG00000033128.10,Gga1,protein_coding	0.3255488	0.0294527
ENSMUSG00000056014.17,A430033K04Rik,protein_coding	0.3252293	0.0081934
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ENSMUSG00000053411.17,Cbx7,protein_coding	0.3235787	0.0317266
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ENSMUSG00000034839.6,Larp6,protein_coding	0.3224372	0.0229254
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ENSMUSG00000039382.13,Wdr45,protein_coding	0.3212965	0.0267697
ENSMUSG00000021466.13,Ptch1,protein_coding	0.3209124	0.006844
ENSMUSG00000039148.6,Sart1,protein_coding	0.3208765	0.0084074
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ENSMUSG00000038241.17,Cep250,protein_coding	0.3201541	0.0145779
ENSMUSG00000027936.19,Crtc2,protein_coding	0.31967	0.0211349
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ENSMUSG00000057411.10,Antkmt,protein_coding	0.3185541	0.0324876
ENSMUSG00000025408.16,Ddit3,protein_coding	0.3184428	0.0476188
ENSMUSG00000024777.11,Ppp2r5b,protein_coding	0.3180984	0.0306895
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ENSMUSG00000029359.14,Tesc,protein_coding	0.3180105	0.0415692
ENSMUSG00000040276.16,Pacsin1,protein_coding	0.3177823	0.0381365
ENSMUSG00000060601.14,Nr1h2,protein_coding	0.3175772	0.0156475
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ENSMUSG00000032198.10,Dock6,protein_coding	0.3168348	0.0391194
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ENSMUSG00000068099.6,Smim45,protein_coding	0.3156483	0.024029
ENSMUSG00000090083.12,Rnf8,protein_coding	0.3155644	0.0044289
ENSMUSG00000014470.5,Rnf166,protein_coding	0.3155339	0.0156735
ENSMUSG00000024142.16,Mlst8,protein_coding	0.3154428	0.008417
ENSMUSG00000041130.11,Zfp598,protein_coding	0.3149924	0.0214142
ENSMUSG00000026959.14,Grin1,protein_coding	0.3145146	0.0404878
ENSMUSG00000020536.13,Llgl1,protein_coding	0.3141897	0.0063254
ENSMUSG00000040713.13,Creg1,protein_coding	0.314168	0.0221259
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ENSMUSG00000049532.12,Sall2,protein_coding	0.3135384	0.026668
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ENSMUSG00000025375.16,Aatk,protein_coding	0.3124824	0.0165709
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ENSMUSG00000034621.15,Gpatch8,protein_coding	0.31232	0.0053048
ENSMUSG00000021460.18,Auh,protein_coding	0.3122358	0.0010724

ENSMUSG00000027525.19,Phactr3,protein_coding	0.3122351	0.0208772
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ENSMUSG00000024941.10,Scyl1,protein_coding	0.311681	0.0113313
ENSMUSG00000058297.17,Spock2,protein_coding	0.3116745	0.0282724
ENSMUSG00000027223.16,Mapk8ip1,protein_coding	0.3116246	0.0169968
ENSMUSG00000014426.10,Map3k4,protein_coding	0.3115215	0.0055958
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ENSMUSG00000001138.14,Cnnm3,protein_coding	0.3113672	0.0174934
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ENSMUSG00000053877.14,Srcap,protein_coding	0.309874	0.003972
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ENSMUSG00000026810.13,Dpm2,protein_coding	0.3084639	0.0257919
ENSMUSG00000024743.17,Syt7,protein_coding	0.3081352	0.0475631
ENSMUSG00000032497.20,Lrrfip2,protein_coding	0.3073614	0.0013644
ENSMUSG00000042675.16,Ypel3,protein_coding	0.3072368	0.0221328
ENSMUSG00000020900.16,Myh10,protein_coding	0.3071416	0.0159751
ENSMUSG00000046160.7,Olig1,protein_coding	0.3064113	0.0046596
ENSMUSG00000044068.10,Zrsr2-ps1,transcribed_processed_pseudogene	0.3062213	0.032576
ENSMUSG00000058886.10,Deaf1,protein_coding	0.3057199	0.0465705
ENSMUSG00000024220.15,Zfp523,protein_coding	0.3056904	0.0366644
ENSMUSG00000002546.18,Golga2,protein_coding	0.3053281	0.0157303
ENSMUSG00000026925.17,Inpp5e,protein_coding	0.3051507	0.005358
ENSMUSG00000053929.19,Zftraf1,protein_coding	0.3051334	0.0119726
ENSMUSG00000003865.17,Gys1,protein_coding	0.3050966	0.0199393
ENSMUSG00000034066.14,Farp2,protein_coding	0.3050798	0.0084966
ENSMUSG00000035168.17,Tanc1,protein_coding	0.3048007	0.0327616
ENSMUSG00000030616.17,Sytl2,protein_coding	0.3046764	0.0336971
ENSMUSG00000036561.10,Ppp6r2,protein_coding	0.3046597	0.0156572
ENSMUSG00000055116.9,Bmal1,protein_coding	0.3046359	0.0194263
ENSMUSG00000041650.16,Pcca,protein_coding	0.3040888	0.0316885
ENSMUSG00000019254.17,Ppp1r12c,protein_coding	0.3036693	0.0270352
ENSMUSG00000054381.6,Zfp747,protein_coding	0.3035127	0.0303284
ENSMUSG00000093803.7,Ppp2r3d,protein_coding	0.3033893	0.0061167
ENSMUSG00000052302.7,Tbc1d30,protein_coding	0.3028278	0.0335423
ENSMUSG00000024560.8,Cxxc1,protein_coding	0.3027979	0.0270426
ENSMUSG00000029049.15,Morn1,protein_coding	0.3020644	0.014603
ENSMUSG00000054199.19,Gon4l,protein_coding	0.3019713	0.0075447
ENSMUSG00000038384.17,Setd1b,protein_coding	0.3018858	0.0127958
ENSMUSG00000032633.13,Flcn,protein_coding	0.3017039	0.0038712
ENSMUSG00000029636.12,Wasf3,protein_coding	0.3014458	0.0088842
ENSMUSG00000034059.15,Ypel4,protein_coding	0.3013716	0.0240487
ENSMUSG00000059288.15,Cdyl,protein_coding	0.3010666	0.0117697
ENSMUSG00000031808.8,Slc27a1,protein_coding	0.3010578	0.0177069
ENSMUSG00000053769.6,Lysmd1,protein_coding	0.3010098	0.021129
ENSMUSG00000060671.13,Atp8b2,protein_coding	0.3007866	0.0045929
ENSMUSG00000045252.12,Zfp574,protein_coding	0.3004839	0.012734
ENSMUSG00000032020.16,Ubash3b,protein_coding	0.3004296	0.0356284
ENSMUSG00000020329.13,Polrmt,protein_coding	0.3004078	0.0274559
ENSMUSG00000058709.12,Egln2,protein_coding	0.3002628	0.0364466

ENSMUSG00000021256.6,Vash1,protein_coding	0.3002297	0.0425082
ENSMUSG00000035314.11,Gdpd5,protein_coding	0.3000921	0.0467953
ENSMUSG00000073889.11,Il11ra1,protein_coding	0.3000506	0.0413619
ENSMUSG00000041949.7,Tango6,protein_coding	0.2996833	0.0416365
ENSMUSG00000026811.19,St6galnac6,protein_coding	0.2995739	0.0243251
ENSMUSG00000040327.17,Cul9,protein_coding	0.2995349	0.0367842
ENSMUSG00000023050.10,Map3k12,protein_coding	0.2994469	0.0100983
ENSMUSG00000029478.17,Ncor2,protein_coding	0.2992865	0.0433525
ENSMUSG00000040524.10,Zfp609,protein_coding	0.2991756	0.0031002
ENSMUSG00000030272.16,Camk1,protein_coding	0.2990185	0.0201972
ENSMUSG00000068206.14,Pick1,protein_coding	0.2988108	0.0089603
ENSMUSG00000051403.10,Ppp1r37,protein_coding	0.2984448	0.0474573
ENSMUSG00000047473.15,Zfp30,protein_coding	0.2983134	0.0054337
ENSMUSG00000024948.16,Map4k2,protein_coding	0.2982566	0.0192049
ENSMUSG00000030527.16,Crtc3,protein_coding	0.2976513	0.0379371
ENSMUSG00000089917.8,Uckl1,protein_coding	0.2973783	0.0203377
ENSMUSG00000026203.17,Dnajb2,protein_coding	0.2972683	0.0300064
ENSMUSG00000085586.4,Gm11613,lncRNA	0.2971243	0.0189249
ENSMUSG00000030741.16,Spns1,protein_coding	0.2969739	0.0338568
ENSMUSG00000018476.8,Kdm6b,protein_coding	0.2969646	0.0329783
ENSMUSG00000044072.15,Eml6,protein_coding	0.2968155	0.0225617
ENSMUSG00000100826.8,Snhg14,lncRNA	0.2963855	0.0234603
ENSMUSG00000054934.11,Kcnmb4,protein_coding	0.2962557	0.0454321
ENSMUSG00000030094.9,Xpc,protein_coding	0.2962269	0.048175
ENSMUSG00000051817.10,Sox12,protein_coding	0.2955274	0.0477633
ENSMUSG00000075590.5,Nrbp2,protein_coding	0.2955021	0.0215796
ENSMUSG00000015488.15,Cacfd1,protein_coding	0.2948808	0.0128987
ENSMUSG00000035382.10,Pcsk7,protein_coding	0.2948314	0.0251181
ENSMUSG00000073437.13,D330041H03Rik,lncRNA	0.2946384	0.042236
ENSMUSG00000015095.13,Fbxw5,protein_coding	0.2942782	0.0077383
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ENSMUSG00000001229.10,Dpp9,protein_coding	0.2938514	0.0041193
ENSMUSG00000022515.7,Anks3,protein_coding	0.2934037	0.0136134
ENSMUSG00000127031.1,ENSMUSG00000127031,lncRNA	0.2933724	0.0427883
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ENSMUSG00000026135.18,Zfp142,protein_coding	0.293038	0.0036156
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ENSMUSG00000028469.16,Npr2,protein_coding	0.2925095	0.0449895
ENSMUSG00000015942.10,Gtf2ird2,protein_coding	0.2923867	0.0196643
ENSMUSG00000026213.16,Stk11ip,protein_coding	0.2918009	0.0103352
ENSMUSG00000042817.16,Flt3,protein_coding	0.2914321	0.0361723
ENSMUSG00000026240.13,Cops7b,protein_coding	0.2910592	0.0118307
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ENSMUSG00000020079.16,Supv3l1,protein_coding	0.2909061	0.0049782
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ENSMUSG00000025736.16,Jmjd8,protein_coding	0.2898681	0.0434918
ENSMUSG00000059834.13,Sclt1,protein_coding	0.2897531	0.0495247
ENSMUSG00000022546.6,Gpt,protein_coding	0.2896062	0.0432768
ENSMUSG00000003200.11,Sh3gl1,protein_coding	0.2895326	0.0222982

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ENSMUSG00000049807.17,Arhgap23,protein_coding	0.2885612	0.0354182
ENSMUSG00000039765.16,Cc2d2a,protein_coding	0.2885569	0.0189092
ENSMUSG00000038520.16,Tbc1d17,protein_coding	0.288537	0.0326419
ENSMUSG00000046329.15,Slc25a23,protein_coding	0.2880819	0.0497567
ENSMUSG00000022555.13,Dgat1,protein_coding	0.2880652	0.0284419
ENSMUSG00000083282.4,Ctsf,protein_coding	0.2879447	0.0316202
ENSMUSG00000020700.12,Map3k3,protein_coding	0.2876295	0.0171721
ENSMUSG00000047030.16,Spata2,protein_coding	0.2875347	0.0267324
ENSMUSG00000059981.13,Taok2,protein_coding	0.2870681	0.005491
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ENSMUSG00000024944.7,Arl2,protein_coding	0.2863423	0.0322826
ENSMUSG00000033862.8,Cdk10,protein_coding	0.2861187	0.0275202
ENSMUSG00000040687.17,Madd,protein_coding	0.2855181	0.0419245
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ENSMUSG00000020661.17,Dnmt3a,protein_coding	0.2853274	0.0035785
ENSMUSG00000071074.10,Yipf3,protein_coding	0.2851668	0.0473885
ENSMUSG00000034265.9,Zdhhc14,protein_coding	0.2851349	0.0147662
ENSMUSG00000026131.22,Dst,protein_coding	0.2849841	0.0040114
ENSMUSG00000041757.18,Plekha6,protein_coding	0.2848196	0.040513
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ENSMUSG00000030871.12,Ears2,protein_coding	0.2841711	0.0493452
ENSMUSG00000028454.17,Pigo,protein_coding	0.2840064	0.0360696
ENSMUSG00000089872.11,Rps6kc1,protein_coding	0.2836838	0.0373912
ENSMUSG00000061601.16,Pclo,protein_coding	0.2835686	0.0395594
ENSMUSG00000090330.4,9130221H12Rik,lncRNA	0.2835066	0.0360431
ENSMUSG00000042050.9,Dync2i1,protein_coding	0.2832596	0.0378123
ENSMUSG00000038178.17,Slc43a2,protein_coding	0.2831658	0.0390547
ENSMUSG00000030816.9,Rnf40,protein_coding	0.2830645	0.0087281
ENSMUSG00000052609.10,Plekhg3,protein_coding	0.2827314	0.0382709
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ENSMUSG00000025733.18,Rhot2,protein_coding	0.2817544	0.026199
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ENSMUSG00000040249.16,Lrp1,protein_coding	0.2685419	0.0380378
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ENSMUSG00000028959.15,Fastk,protein_coding	0.2670027	0.0476394
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ENSMUSG00000014601.14,Strip1,protein_coding	0.2572739	0.0358577
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ENSMUSG00000026812.17,Tsc1,protein_coding	0.256214	0.0048821
ENSMUSG00000033595.8,Lgi3,protein_coding	0.2557294	0.044954
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ENSMUSG00000056121.17,Fez2,protein_coding	0.2505687	0.0321136
ENSMUSG00000020109.14,Dnajb12,protein_coding	0.2502909	0.0140759
ENSMUSG00000004567.17,Mcoln1,protein_coding	0.2499596	0.0225167
ENSMUSG00000036270.17,Edc4,protein_coding	0.2497155	0.0183924
ENSMUSG00000031951.9,Tmem231,protein_coding	0.249699	0.0373848
ENSMUSG00000022428.9,Cby1,protein_coding	0.249677	0.0350036
ENSMUSG00000004815.13,Dgkq,protein_coding	0.249655	0.0311227
ENSMUSG00000042359.19,Osbpl6,protein_coding	0.2494809	0.0148652
ENSMUSG00000040859.15,Bsdc1,protein_coding	0.2488562	0.0088959
ENSMUSG00000040596.17,Pogk,protein_coding	0.2487684	0.0051452
ENSMUSG00000027194.17,Ttc17,protein_coding	0.2486068	0.0084023
ENSMUSG00000071454.14,Dtnb,protein_coding	0.2485906	0.0173375
ENSMUSG00000031967.16,Afg3l1,protein_coding	0.247592	0.0092556
ENSMUSG00000034135.16,Sik3,protein_coding	0.2474932	0.0107398
ENSMUSG00000048148.19,Nwd1,protein_coding	0.2474347	0.0291886
ENSMUSG00000022545.14,Ercc4,protein_coding	0.247169	0.0131324
ENSMUSG00000023055.11,Calcoco1,protein_coding	0.2470583	0.0108022
ENSMUSG00000031714.11,Gab1,protein_coding	0.2468864	0.0068069
ENSMUSG00000020260.10,Pofut2,protein_coding	0.2467089	0.0390306
ENSMUSG00000002984.18,Tomm40,protein_coding	0.2466663	0.0261711
ENSMUSG00000020864.14,Ankrd40,protein_coding	0.2465187	0.0126348
ENSMUSG00000025583.17,Rptor,protein_coding	0.2464978	0.0094711
ENSMUSG00000041895.16,Wipi1,protein_coding	0.2461828	0.009441
ENSMUSG00000043940.16,Wdfy3,protein_coding	0.2460822	0.0206195
ENSMUSG00000005225.16,Plekha8,protein_coding	0.2455244	0.0186819
ENSMUSG00000034190.10,Chmp7,protein_coding	0.2451003	0.01169
ENSMUSG00000027406.14,Idh3b,protein_coding	0.2450405	0.0433555

ENSMUSG00000106847.2,Peg13,lncRNA	0.2447285	0.047046
ENSMUSG00000042763.10,Maneal,protein_coding	0.2447173	0.042802
ENSMUSG00000004896.17,Mettl25b,protein_coding	0.2445334	0.0377453
ENSMUSG00000040112.10,Mrps35,protein_coding	0.2442555	0.0099711
ENSMUSG00000038705.14,Gmeb2,protein_coding	0.2442136	0.047683
ENSMUSG00000030802.15,Bckdk,protein_coding	0.2437801	0.0305204
ENSMUSG00000002948.20,Map2k7,protein_coding	0.2434392	0.0241611
ENSMUSG00000026927.18,Entr1,protein_coding	0.2434246	0.0127681
ENSMUSG00000020821.18,Kif1c,protein_coding	0.2432173	0.0127057
ENSMUSG00000087679.3,Tmem250,protein_coding	0.2429754	0.0410302
ENSMUSG00000047719.3,Ubiad1,protein_coding	0.2428909	0.0461587
ENSMUSG00000039515.12,Ptpa,protein_coding	0.2424822	0.0471464
ENSMUSG00000038708.11,Golga4,protein_coding	0.2419528	0.0075121
ENSMUSG00000027605.19,Acss2,protein_coding	0.2416587	0.0242187
ENSMUSG00000022214.16,Dcaf11,protein_coding	0.2413754	0.0077452
ENSMUSG00000015968.19,Cacna1d,protein_coding	0.2413027	0.0420597
ENSMUSG00000046861.10,Hectd3,protein_coding	0.2410186	0.0228887
ENSMUSG00000020231.16,Dip2a,protein_coding	0.2410116	0.0355399
ENSMUSG00000025142.19,Aspscr1,protein_coding	0.2407229	0.0477979
ENSMUSG00000016933.18,Plcg1,protein_coding	0.2396937	0.0327218
ENSMUSG00000025486.18,Sirt3,protein_coding	0.2394498	0.0358092
ENSMUSG00000026819.16,Slc25a25,protein_coding	0.2393178	0.0194856
ENSMUSG00000032840.8,Spring1,protein_coding	0.2393156	0.0141834
ENSMUSG00000009733.10,Tfcp2,protein_coding	0.2392094	0.0402011
ENSMUSG00000023118.16,Sympk,protein_coding	0.2391815	0.0115881
ENSMUSG00000038990.15,Cables2,protein_coding	0.2390688	0.0371534
ENSMUSG00000000149.11,Gna12,protein_coding	0.2387962	0.0277638
ENSMUSG00000006676.18,Usp19,protein_coding	0.2387343	0.0093143
ENSMUSG00000007038.6,Neu1,protein_coding	0.2386482	0.0359111
ENSMUSG00000038611.18,Phrf1,protein_coding	0.2386287	0.0145226
ENSMUSG00000029708.10,Gcc1,protein_coding	0.2383316	0.0130598
ENSMUSG00000032526.12,Ss18l2,protein_coding	0.2382378	0.037633
ENSMUSG00000022263.11,Trio,protein_coding	0.2381994	0.0152257
ENSMUSG00000028797.21,Tmem234,protein_coding	0.2378926	0.0071485
ENSMUSG00000002949.16,Timm44,protein_coding	0.2371927	0.0167659
ENSMUSG00000039218.18,Srrm2,protein_coding	0.2369247	0.0230772
ENSMUSG00000026803.18,Ttf1,protein_coding	0.2368211	0.0351895
ENSMUSG00000066900.12,Suds3,protein_coding	0.2365966	0.0154453
ENSMUSG00000052712.18,BC004004,protein_coding	0.236098	0.0219879
ENSMUSG00000042903.9,Foxo4,protein_coding	0.2358514	0.0184952
ENSMUSG00000040365.15,Trim41,protein_coding	0.2356565	0.0169112
ENSMUSG00000032187.17,Smarca4,protein_coding	0.2356307	0.0200951
ENSMUSG00000058997.9,Vwa8,protein_coding	0.2356296	0.0025973
ENSMUSG00000019470.13,Xab2,protein_coding	0.2353605	0.0363529
ENSMUSG00000034832.16,Tet3,protein_coding	0.235192	0.0337448
ENSMUSG00000019647.18,Sema6a,protein_coding	0.2349573	0.0417174
ENSMUSG00000116858.3,Gm49797,lncRNA	0.2349507	0.0445731
ENSMUSG00000025231.18,Sufu,protein_coding	0.2349445	0.0216276
ENSMUSG00000025138.15,Sirt7,protein_coding	0.2347146	0.0358419
ENSMUSG00000035521.14,Gnptg,protein_coding	0.2346078	0.0263954
ENSMUSG00000002265.18,Peg3,protein_coding	0.2341974	0.0331405
ENSMUSG00000039176.18,Polg,protein_coding	0.2340307	0.0061417

ENSMUSG00000030314.17,Atg7,protein_coding	0.2329443	0.039644
ENSMUSG00000026566.16,Mpzl1,protein_coding	0.232756	0.0259745
ENSMUSG00000031930.12,Wwp2,protein_coding	0.232402	0.0380642
ENSMUSG00000034235.18,Usp54,protein_coding	0.2322639	0.0172372
ENSMUSG00000002028.14,Kmt2a,protein_coding	0.2321728	0.007918
ENSMUSG00000020741.18,Cluh,protein_coding	0.2321443	0.0358406
ENSMUSG00000052698.16,Tln2,protein_coding	0.2319527	0.041736
ENSMUSG00000028851.7,Nudc,protein_coding	0.2309716	0.0225477
ENSMUSG00000022556.12,Hsf1,protein_coding	0.2308059	0.0384327
ENSMUSG00000023020.4,Cox14,protein_coding	0.2305488	0.0406977
ENSMUSG00000046556.8,Zfp319,protein_coding	0.2303621	0.0445998
ENSMUSG00000033396.14,Spg11,protein_coding	0.2298411	0.0091834
ENSMUSG00000030701.18,Plekhb1,protein_coding	0.229772	0.0482437
ENSMUSG00000001150.8,Mcm3ap,protein_coding	0.2297582	0.0211847
ENSMUSG00000040761.17,Spen,protein_coding	0.2294279	0.0320709
ENSMUSG00000017667.10,Zfp334,protein_coding	0.2292915	0.036685
ENSMUSG00000041375.20,Ccdc9,protein_coding	0.2289872	0.0188876
ENSMUSG00000057738.15,Sptan1,protein_coding	0.2289565	0.043671
ENSMUSG00000011306.8,Sugp1,protein_coding	0.2278161	0.0139485
ENSMUSG00000039737.12,Prkrip1,protein_coding	0.2277407	0.0355371
ENSMUSG00000043683.5,Fem1a,protein_coding	0.2276117	0.0121857
ENSMUSG00000058239.14,Usf2,protein_coding	0.2272937	0.0095583
ENSMUSG00000066036.15,Ubr4,protein_coding	0.227188	0.0180263
ENSMUSG00000027255.15,Arfgap2,protein_coding	0.2269867	0.030125
ENSMUSG00000056692.14,Ilrun,protein_coding	0.2264662	0.0293437
ENSMUSG00000042751.15,Nmnat2,protein_coding	0.2264089	0.0474667
ENSMUSG00000021244.16,Ylpm1,protein_coding	0.2258852	0.0200614
ENSMUSG00000035765.11,Dym,protein_coding	0.2253737	0.0104746
ENSMUSG00000005204.13,Senp3,protein_coding	0.2243284	0.0412729
ENSMUSG00000022946.11,Dop1b,protein_coding	0.2239363	0.0276061
ENSMUSG00000022779.17,Top3b,protein_coding	0.2237483	0.016831
ENSMUSG00000017176.18,Nt5c3b,protein_coding	0.2235492	0.0237732
ENSMUSG00000034853.17,Acot11,protein_coding	0.2233544	0.0432436
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ENSMUSG00000004637.16,Wwox,protein_coding	0.2217003	0.0328129
ENSMUSG00000022185.20,Acin1,protein_coding	0.2213191	0.031026
ENSMUSG00000017132.19,Cyth1,protein_coding	0.220305	0.0311638
ENSMUSG00000061436.16,Hipk2,protein_coding	0.2201472	0.0022123
ENSMUSG00000063870.13,Chd4,protein_coding	0.2190021	0.0074026
ENSMUSG00000003435.10,Supt5,protein_coding	0.2189782	0.003493
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ENSMUSG00000006920.15,Ezh1,protein_coding	0.218499	0.0061134
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ENSMUSG00000022680.15,Pdxdc1,protein_coding	0.2175772	0.0470146
ENSMUSG00000038346.20,Zfp384,protein_coding	0.217469	0.023605
ENSMUSG00000071054.13,Safb,protein_coding	0.2174543	0.0179769
ENSMUSG00000017734.16,Dbndd2,protein_coding	0.2172116	0.0402254
ENSMUSG00000017478.16,Zc3h18,protein_coding	0.2170676	0.0497147
ENSMUSG00000057691.9,Zfp746,protein_coding	0.2170671	0.0185579
ENSMUSG00000079557.12,Marchf2,protein_coding	0.2169983	0.0324927

ENSMUSG00000037339.18,Fam53a,protein_coding	0.2168574	0.0431512
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ENSMUSG00000056167.9,Cnot10,protein_coding	0.2147681	0.0207475
ENSMUSG00000039801.8,Cplane1,protein_coding	0.214659	0.0309724
ENSMUSG00000025821.10,Zfp282,protein_coding	0.2140849	0.0464333
ENSMUSG00000037736.21,Limch1,protein_coding	0.2133453	0.0365161
ENSMUSG00000050846.10,Zfp623,protein_coding	0.2125306	0.0490403
ENSMUSG00000025034.10,Trim8,protein_coding	0.2122032	0.0407193
ENSMUSG00000002496.11,Tsc2,protein_coding	0.2121965	0.0428377
ENSMUSG00000000441.18,Raf1,protein_coding	0.2121901	0.0289967
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ENSMUSG00000068267.6,Cenpb,protein_coding	0.193621	0.0202349
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ENSMUSG00000057133.15,Chd6,protein_coding	0.1804869	0.0182923
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ENSMUSG00000026918.17,Brd3,protein_coding	0.1769565	0.0153923
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ENSMUSG00000038290.16,Smg6,protein_coding	0.1719229	0.0351406
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ENSMUSG00000010025.20,Aldh3a2,protein_coding	0.1713373	0.0158985

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ENSMUSG00000033444.15,Specc1l,protein_coding	0.1675098	0.025782
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ENSMUSG00000043090.19,Zfp866,protein_coding	0.1617742	0.0435472
ENSMUSG00000035569.18,Ankrd11,protein_coding	0.160562	0.0311505
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ENSMUSG00000022521.11,Crebbp,protein_coding	0.1573742	0.0289443
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ENSMUSG00000047888.11,Tnrc6b,protein_coding	0.1474949	0.0380413
ENSMUSG00000034820.5,Cpsf7,protein_coding	0.1473436	0.0494126
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ENSMUSG00000026924.18,Sec16a,protein_coding	0.1432706	0.0468181
ENSMUSG00000032178.15,Ilf3,protein_coding	0.1388899	0.0403993
ENSMUSG00000053754.15,Chd8,protein_coding	0.133427	0.0283832
ENSMUSG00000034342.10,Cbl,protein_coding	-0.149113	0.0445576
ENSMUSG00000028330.9,Ncbp1,protein_coding	-0.169224	0.0479481
ENSMUSG00000026374.15,Tsn,protein_coding	-0.172241	0.0352357
ENSMUSG00000027479.15,Mapre1,protein_coding	-0.179403	0.0479173
ENSMUSG00000031924.5,Cyb5b,protein_coding	-0.181671	0.0298544
ENSMUSG00000032096.17,Arcn1,protein_coding	-0.183521	0.0339705
ENSMUSG00000028530.15,Jak1,protein_coding	-0.185111	0.0323578
ENSMUSG00000022637.12,Cblb,protein_coding	-0.187498	0.0303026
ENSMUSG00000055296.15,Tmem245,protein_coding	-0.188416	0.042231
ENSMUSG00000030103.12,Bhlhe40,protein_coding	-0.188827	0.0485894
ENSMUSG00000042363.15,Lgalsl,protein_coding	-0.19433	0.0432632
ENSMUSG00000009575.15,Cbx5,protein_coding	-0.195194	0.0127573
ENSMUSG00000025246.14,Tbl1x,protein_coding	-0.199966	0.0430089
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ENSMUSG00000067336.7,Bmpr2,protein_coding	-0.201741	0.0496679
ENSMUSG00000035311.17,Gnptab,protein_coding	-0.203551	0.0125582
ENSMUSG00000006699.18,Cdc42,protein_coding	-0.20474	0.0351672
ENSMUSG00000020390.13,Ube2b,protein_coding	-0.205232	0.0456335
ENSMUSG00000028646.17,Rragc,protein_coding	-0.209103	0.0249224
ENSMUSG00000030245.11,Golt1b,protein_coding	-0.209764	0.0257593
ENSMUSG00000050565.17,Tor1aip2,protein_coding	-0.211444	0.0480721
ENSMUSG00000001158.14,Snrnp27,protein_coding	-0.212342	0.0397095
ENSMUSG00000019777.17,Hdac2,protein_coding	-0.214304	0.0350748
ENSMUSG00000040455.18,Usp45,protein_coding	-0.214578	0.0333517
ENSMUSG00000048720.9,Tbc1d12,protein_coding	-0.215288	0.0402248

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ENSMUSG00000032018.15,Sc5d,protein_coding	-0.217559	0.0375656
ENSMUSG00000050890.16,Pdik1l,protein_coding	-0.218229	0.0338945
ENSMUSG00000021669.17,Cert1,protein_coding	-0.218462	0.0109291
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ENSMUSG00000018442.14,Derl2,protein_coding	-0.223346	0.0388027
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ENSMUSG00000026155.14,Smap1,protein_coding	-0.225984	0.0184781
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ENSMUSG00000007458.15,M6pr,protein_coding	-0.236638	0.0461416
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ENSMUSG00000022285.18,Ywhaz,protein_coding	-0.239847	0.0408826
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ENSMUSG00000034158.10,Lrrc58,protein_coding	-0.250021	0.023894
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ENSMUSG00000069662.6,Marcks,protein_coding	-0.251417	0.0496626
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ENSMUSG00000027533.11,Fabp5,protein_coding	-0.359454	0.0133102
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ENSMUSG00000029836.16,Cbx3,protein_coding	-0.359652	0.0278858
ENSMUSG00000025630.9,Hprt1,protein_coding	-0.359859	0.0361974
ENSMUSG00000030452.17,Nipa2,protein_coding	-0.360208	0.0212636
ENSMUSG00000000078.8,Klf6,protein_coding	-0.360768	0.0036339
ENSMUSG00000074656.14,Eif2s2,protein_coding	-0.361236	0.0390873
ENSMUSG00000026341.17,Actr3,protein_coding	-0.361766	0.0096676
ENSMUSG00000033454.7,Zbtb1,protein_coding	-0.362166	0.0434678
ENSMUSG00000002602.17,Axl,protein_coding	-0.362202	0.016379
ENSMUSG00000031502.12,Col4a1,protein_coding	-0.362784	0.0093129
ENSMUSG00000054079.13,Utp18,protein_coding	-0.363238	0.0091486
ENSMUSG00000024360.9,Etf1,protein_coding	-0.363931	0.0340977
ENSMUSG00000022247.13,Brix1,protein_coding	-0.364012	0.0217245
ENSMUSG00000016382.16,Pls3,protein_coding	-0.364638	0.0056201
ENSMUSG00000028028.12,Alpk1,protein_coding	-0.365365	0.0328236
ENSMUSG00000020142.13,Slc1a4,protein_coding	-0.365872	0.0040537
ENSMUSG00000026914.16,Psmd14,protein_coding	-0.366894	0.0145006
ENSMUSG00000024085.14,Man2a1,protein_coding	-0.367086	0.0286083
ENSMUSG00000024899.8,Papss2,protein_coding	-0.368313	0.0207445
ENSMUSG00000058799.17,Nap1l1,protein_coding	-0.368454	0.0244498
ENSMUSG00000026586.17,Prrx1,protein_coding	-0.368553	0.0188904
ENSMUSG00000020910.17,Adprm,protein_coding	-0.369041	0.0255964
ENSMUSG00000041716.8,Gm20604,protein_coding	-0.369262	0.0149163
ENSMUSG00000014226.11,Cacybp,protein_coding	-0.370155	0.0240125
ENSMUSG00000031095.16,Cul4b,protein_coding	-0.371334	0.0342018
ENSMUSG00000022661.15,Cd200,protein_coding	-0.372755	0.0237359
ENSMUSG00000031137.18,Fgf13,protein_coding	-0.372866	0.0380215
ENSMUSG00000023307.15,Marchf5,protein_coding	-0.372932	0.0057477
ENSMUSG00000066551.13,Hmgb1,protein_coding	-0.372946	0.0194684
ENSMUSG00000048497.12,Mmgt2,protein_coding	-0.373227	0.0395099
ENSMUSG00000049439.14,Cyp20a1,protein_coding	-0.373374	0.0233327
ENSMUSG00000060090.17,Rp2,protein_coding	-0.373502	0.031834
ENSMUSG00000058355.9,Abce1,protein_coding	-0.373987	0.0071141
ENSMUSG00000022836.12,Mylk,protein_coding	-0.3745	0.0093839
ENSMUSG00000029840.9,Mtpn,protein_coding	-0.375663	0.0280609

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ENSMUSG00000056536.15,Pign,protein_coding	-0.378264	0.049945
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ENSMUSG00000026356.16,Dars1,protein_coding	-0.378321	0.0461736
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ENSMUSG00000079108.7,Srp54c,protein_coding	-0.379408	0.0032771
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ENSMUSG00000000001.5,Gnai3,protein_coding	-0.380848	0.0332836
ENSMUSG00000032388.8,Spg21,protein_coding	-0.381431	0.0110581
ENSMUSG00000027800.15,Tm4sf1,protein_coding	-0.383069	0.0191658
ENSMUSG00000031696.10,Vps35,protein_coding	-0.383194	0.0039961
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ENSMUSG00000031007.3,Atp6ap2,protein_coding	-0.386091	0.0376617
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ENSMUSG00000025531.15,Chm,protein_coding	-0.389567	0.0198722
ENSMUSG00000026471.15,Mr1,protein_coding	-0.390528	0.0398324
ENSMUSG00000059743.13,Fdps,protein_coding	-0.391363	0.0268492
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ENSMUSG00000023885.10,Thbs2,protein_coding	-0.396665	0.0317883
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ENSMUSG00000047347.8,Tdg-ps,processed_pseudogene	-0.401201	0.0258085
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ENSMUSG00000002332.17,Dhrs1,protein_coding	-0.401572	0.0193213
ENSMUSG00000042613.10,Pbxip1,protein_coding	-0.402819	0.0067504
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ENSMUSG00000005846.13,Rsl1d1,protein_coding	-0.405259	0.0476979
ENSMUSG00000021831.10,Ero1a,protein_coding	-0.405389	0.0281464
ENSMUSG00000027828.13,Ssr3,protein_coding	-0.405881	0.0002745
ENSMUSG00000067995.5,Gtf2f2,protein_coding	-0.40596	0.0239454
ENSMUSG00000054556.9,Gm4876,lncRNA	-0.406186	0.0152447
ENSMUSG00000001525.11,Tubb5,protein_coding	-0.408378	0.0242109
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ENSMUSG00000020464.16,Pnpt1,protein_coding	-0.419968	0.0065544
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ENSMUSG00000025935.11,Tram1,protein_coding	-0.441816	0.0310332
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ENSMUSG00000050967.6,Creg2,protein_coding	-0.558347	0.0006189
ENSMUSG00000025473.17,Adam8,protein_coding	-0.559869	0.0288448
ENSMUSG00000046167.6,Gldn,protein_coding	-0.560935	0.0327135
ENSMUSG00000079508.9,Apoo,protein_coding	-0.561017	0.0280913
ENSMUSG00000120076.2,Gm31223,lncRNA	-0.564617	0.0187593
ENSMUSG00000105055.2,Gm43079,lncRNA	-0.564735	0.0060053
ENSMUSG00000087268.3,Gm14486,lncRNA	-0.56483	0.0324111
ENSMUSG00000021365.16,Nedd9,protein_coding	-0.565575	0.0006717
ENSMUSG00000090946.4,Ccdc71l,protein_coding	-0.568213	0.0001214
ENSMUSG00000031604.11,Msmo1,protein_coding	-0.568254	0.0001043
ENSMUSG00000103907.2,Gm37498,TEC	-0.569245	0.0409108
ENSMUSG00000058093.14,Zfp729b,protein_coding	-0.569566	0.018359
ENSMUSG00000063229.16,Ldha,protein_coding	-0.574677	0.0007606
ENSMUSG00000021215.16,Net1,protein_coding	-0.576974	0.0014695
ENSMUSG00000021877.13,Arf4,protein_coding	-0.577533	0.004983
ENSMUSG00000031897.10,Psmb10,protein_coding	-0.583059	0.0352128
ENSMUSG00000020572.9,Nampt,protein_coding	-0.583277	0.0028944
ENSMUSG00000048007.5,Timm8a1,protein_coding	-0.585206	0.0342746
ENSMUSG00000025742.6,Prps2,protein_coding	-0.588232	0.0048317
ENSMUSG00000082935.4,Gm7658,processed_pseudogene	-0.58971	0.0290377
ENSMUSG00000037465.11,Klf10,protein_coding	-0.590209	0.0065863
ENSMUSG00000030342.9,Cd9,protein_coding	-0.590704	0.0008968
ENSMUSG00000029661.17,Col1a2,protein_coding	-0.592453	0.0063132
ENSMUSG00000021613.10,Hapln1,protein_coding	-0.593298	0.0101461
ENSMUSG00000069208.10,Zfp825,protein_coding	-0.597192	0.0370049
ENSMUSG00000029186.13,Pi4k2b,protein_coding	-0.597797	0.013656
ENSMUSG00000004040.17,Stat3,protein_coding	-0.60026	0.0035071
ENSMUSG00000066537.6,Vmn2r57,protein_coding	-0.60283	0.045927
ENSMUSG00000052397.9,Ezr,protein_coding	-0.603464	0.00633
ENSMUSG00000026072.13,Il1r1,protein_coding	-0.604396	0.0014965
ENSMUSG00000063727.4,Tnfrsf11b,protein_coding	-0.605586	0.0330128
ENSMUSG00000031639.13,Tlr3,protein_coding	-0.606725	0.001565
ENSMUSG00000106166.2,Gm43484,TEC	-0.609034	0.0135195
ENSMUSG00000037846.19,Rtkn2,protein_coding	-0.609491	0.0034507
ENSMUSG00000133927.1,ENSMUSG00000133927,lncRNA	-0.609606	0.0077429
ENSMUSG00000028015.4,Ctso,protein_coding	-0.61003	0.020393
ENSMUSG00000029335.6,Bmp3,protein_coding	-0.612502	0.0278415
ENSMUSG00000020611.15,Gna13,protein_coding	-0.613342	0.005933
ENSMUSG00000040170.14,Fmo2,protein_coding	-0.614154	0.0296752
ENSMUSG00000023067.15,Cdkn1a,protein_coding	-0.6143	0.0200663
ENSMUSG00000044519.9,Zfp488,protein_coding	-0.614989	0.0040936
ENSMUSG00000019577.7,Pdk4,protein_coding	-0.615861	0.0035848
ENSMUSG00000054400.17,Cklf,protein_coding	-0.616112	0.0117594

ENSMUSG00000021116.11,Eif2s1,protein_coding	-0.618773	0.003012
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ENSMUSG00000031283.18,Chrdl1,protein_coding	-0.624638	0.0125991
ENSMUSG00000051920.8,Rspo2,protein_coding	-0.628625	0.0313948
ENSMUSG00000057561.12,Eif1a,protein_coding	-0.62883	0.0037152
ENSMUSG00000022940.18,Pigp,protein_coding	-0.628843	0.0008877
ENSMUSG00000113450.2,Zfp935,protein_coding	-0.63148	0.0175434
ENSMUSG00000097573.5,G730003C15Rik,lncRNA	-0.632274	0.0338033
ENSMUSG00000021098.16,4930447C04Rik,protein_coding	-0.63251	0.0298849
ENSMUSG00000027018.12,Hat1,protein_coding	-0.633127	0.0426593
ENSMUSG00000019970.16,Sgk1,protein_coding	-0.63331	0.0124951
ENSMUSG00000058258.16,Idi1,protein_coding	-0.634272	0.0004559
ENSMUSG00000022912.9,Pros1,protein_coding	-0.634556	0.0047451
ENSMUSG00000023367.15,Tmem176a,protein_coding	-0.637158	0.0122262
ENSMUSG00000052942.14,Glis3,protein_coding	-0.637641	0.0030099
ENSMUSG00000118038.4,Gm9895,lncRNA	-0.638893	0.0481803
ENSMUSG00000025525.13,Apool,protein_coding	-0.639137	0.0428692
ENSMUSG00000138717.1,ENSMUSG00000138717,lncRNA	-0.6413	0.0389331
ENSMUSG00000069833.14,Ahnak,protein_coding	-0.642817	0.0011684
ENSMUSG00000026399.13,Cd55,protein_coding	-0.643859	0.0228765
ENSMUSG00000053931.12,Cnn3,protein_coding	-0.643894	0.0001151
ENSMUSG00000030341.18,Tnfrsf1a,protein_coding	-0.644111	0.0057225
ENSMUSG00000103232.2,Gm37160,TEC	-0.644372	0.0199934
ENSMUSG00000027737.11,Slc7a11,protein_coding	-0.645025	0.0008642
ENSMUSG00000074280.7,Gm6166,processed_pseudogene	-0.646682	0.0079479
ENSMUSG00000039480.15,Nt5dc1,protein_coding	-0.646981	0.0383347
ENSMUSG00000045140.9,Pigw,protein_coding	-0.647906	0.0157039
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ENSMUSG00000041959.15,S100a10,protein_coding	-0.648766	0.0037428
ENSMUSG00000000058.7,Cav2,protein_coding	-0.650994	0.0060106
ENSMUSG00000037894.14,H2az1,protein_coding	-0.653567	0.0115409
ENSMUSG00000038059.8,Smim3,protein_coding	-0.656241	0.0049392
ENSMUSG00000050737.14,Ptges,protein_coding	-0.657767	0.0048953
ENSMUSG00000119988.2,5430427G11Rik,lncRNA	-0.659533	0.0099136
ENSMUSG00000079018.11,Ly6c1,protein_coding	-0.660562	0.0029994
ENSMUSG00000052384.15,Nrros,protein_coding	-0.66171	0.0264265
ENSMUSG00000028927.7,Padi2,protein_coding	-0.663929	0.0183209
ENSMUSG00000032035.17,Ets1,protein_coding	-0.664312	0.0144635
ENSMUSG00000064816.3,Gm22357,snoRNA	-0.670592	0.0465254
ENSMUSG00000026674.10,Ddr2,protein_coding	-0.672394	0.0006251
ENSMUSG00000020075.9,Ddx21,protein_coding	-0.672877	0.0393893
ENSMUSG00000019539.12,Rcn3,protein_coding	-0.6747	0.0374872
ENSMUSG00000027009.19,Itga4,protein_coding	-0.675057	0.0282169
ENSMUSG00000093424.6,6330562C20Rik,lncRNA	-0.676114	0.0489528
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ENSMUSG00000031246.15,Sh3bgrl,protein_coding	-0.676419	0.023211
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ENSMUSG00000031613.10,Hpgd,protein_coding	-0.681087	0.0334639
ENSMUSG00000090862.4,Rps13,protein_coding	-0.681526	0.0249608
ENSMUSG00000017446.15,C1qtnf1,protein_coding	-0.684438	0.0132338

ENSMUSG00000079297.5,Gm2223,processed_pseudogene	-0.686186	0.0106706
ENSMUSG00000026043.19,Col3a1,protein_coding	-0.692309	0.025592
ENSMUSG00000079491.11,H2-T10,protein_coding	-0.693235	0.0346873
ENSMUSG00000038257.11,Glra3,protein_coding	-0.696832	0.0103006
ENSMUSG00000022548.15,Apod,protein_coding	-0.697229	0.0155159
ENSMUSG00000032508.9,Myd88,protein_coding	-0.698959	0.0095333
ENSMUSG00000060519.12,Tor3a,protein_coding	-0.701109	0.0017543
ENSMUSG00000064367.1,mt-Nd5,protein_coding	-0.70185	0.0077198
ENSMUSG00000064359.1,mt-Tg,Mt_tRNA	-0.704378	0.0322539
ENSMUSG00000041324.15,Inhba,protein_coding	-0.704573	0.0075269
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ENSMUSG00000020857.12,Nme2,protein_coding	-0.706644	0.0430243
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ENSMUSG00000032231.15,Anxa2,protein_coding	-0.710332	0.0397694
ENSMUSG00000058173.13,Smco4,protein_coding	-0.710605	0.044729
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ENSMUSG00000026037.15,Orc2,protein_coding	-0.72683	0.0358025
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ENSMUSG00000026676.8,Ccdc3,protein_coding	-0.733048	0.0012848
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ENSMUSG00000034205.17,Loxl2,protein_coding	-0.737427	0.0019919
ENSMUSG00000044268.5,Gm4895,processed_pseudogene	-0.73743	0.029369
ENSMUSG00000040254.12,Sema3d,protein_coding	-0.737983	0.0017339
ENSMUSG00000028609.7,Magoh,protein_coding	-0.739016	0.0112202
ENSMUSG00000032269.9,Htr3a,protein_coding	-0.739183	0.0232004
ENSMUSG00000118555.2,Gm55889,transcribed_processed_pseudogene	-0.739334	0.0459909
ENSMUSG00000041974.11,Spidr,protein_coding	-0.741195	0.035784
ENSMUSG00000100747.7,1700084E18Rik,lncRNA	-0.743826	0.0212328
ENSMUSG00000064370.1,mt-Cytb,protein_coding	-0.746202	0.0069845
ENSMUSG00000054404.14,Slfn5,protein_coding	-0.750032	0.0055571
ENSMUSG00000078636.5,Gm7336,processed_pseudogene	-0.750568	0.0493739
ENSMUSG00000001930.18,Vwf,protein_coding	-0.751928	0.0054132
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ENSMUSG00000017057.10,Il13ra1,protein_coding	-0.755867	0.0114932
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ENSMUSG00000122832.1,ENSMUSG00000122832,lncRNA	-0.811481	0.014659
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ENSMUSG00000033356.4,Pus7l,protein_coding	-0.818984	0.0029305
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ENSMUSG00000107173.2,Gm43266,TEC	-0.886684	0.0325927
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ENSMUSG00000055809.8,Dnaaf3,protein_coding	-0.919685	0.0492641
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ENSMUSG00000032322.15,Pstpip1,protein_coding	-0.942626	0.034486
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ENSMUSG00000032400.19,Zwilch,protein_coding	-0.9861	0.0392342

ENSMUSG00000023249.16,Parp3,protein_coding	-0.988884	0.006445
ENSMUSG00000033882.16,Rbm46,protein_coding	-0.989045	0.0364508
ENSMUSG00000004665.11,Cnn2,protein_coding	-0.990665	0.0442554
ENSMUSG00000002325.16,Irf9,protein_coding	-0.992968	0.0003952
ENSMUSG00000048215.17,A630023P12Rik,lncRNA	-0.99361	0.0134457
ENSMUSG00000001025.9,S100a6,protein_coding	-0.994941	0.000152
ENSMUSG00000025572.19,Tmc6,protein_coding	-0.99639	0.0458905
ENSMUSG00000108486.2,Gm44836,lncRNA	-1.002869	0.0486446
ENSMUSG00000026049.12,Tex30,protein_coding	-1.003373	0.0469401
ENSMUSG00000101939.2,Gm28438,transcribed_unprocessed_pseudogene	-1.004372	0.0079506
ENSMUSG00000099759.3,1700030C10Rik,lncRNA	-1.00584	0.0273165
ENSMUSG00000067586.5,S1pr3,protein_coding	-1.006041	1.561E-05
ENSMUSG00000097805.4,Gm17473,lncRNA	-1.009281	0.0083971
ENSMUSG00000027078.15,Ube2l6,protein_coding	-1.00936	0.0137231
ENSMUSG00000120198.2,Gm4633,lncRNA	-1.018482	0.0204228
ENSMUSG00000078453.4,Abracl,protein_coding	-1.019773	0.0021798
ENSMUSG00000031255.15,Sytl4,protein_coding	-1.026074	0.0187352
ENSMUSG00000022978.12,Mis18a,protein_coding	-1.026176	0.0004597
ENSMUSG00000038213.8,Tapbpl,protein_coding	-1.02739	0.010498
ENSMUSG00000045932.13,Ifit2,protein_coding	-1.028075	0.0033032
ENSMUSG00000068523.13,Gng5,protein_coding	-1.029083	0.0328764
ENSMUSG00000101006.2,Gm28299,processed_pseudogene	-1.031625	0.025554
ENSMUSG00000069132.4,Nxph2,protein_coding	-1.035246	0.02393
ENSMUSG00000064357.1,mt-Atp6,protein_coding	-1.035277	0.0129053
ENSMUSG00000038007.15,Acer2,protein_coding	-1.036885	0.0002102
ENSMUSG00000071714.8,Csf2rb2,protein_coding	-1.039138	0.0355099
ENSMUSG00000124997.1,ENSMUSG00000124997,lncRNA	-1.039742	0.049819
ENSMUSG00000056209.8,Npm3,protein_coding	-1.045654	0.0318934
ENSMUSG00000022479.16,Vdr,protein_coding	-1.046948	0.0406521
ENSMUSG00000025271.14,Pfkfb1,protein_coding	-1.051589	0.0452938
ENSMUSG00000122812.1,ENSMUSG00000122812,lncRNA	-1.05241	0.0279813
ENSMUSG00000053181.3,A830005F24Rik,lncRNA	-1.055203	0.0134
ENSMUSG00000024308.16,Tapbp,protein_coding	-1.058477	0.0100726
ENSMUSG00000021675.5,F2rl2,protein_coding	-1.061437	0.0253711
ENSMUSG00000040428.20,Plekha4,protein_coding	-1.073716	0.001764
ENSMUSG00000019832.6,Rab32,protein_coding	-1.077253	0.003416
ENSMUSG00000105695.2,Gm43327,TEC	-1.078155	0.0322563
ENSMUSG00000059901.13,Adamts14,protein_coding	-1.080585	0.0099878
ENSMUSG00000038242.13,Aox4,protein_coding	-1.081193	0.0023629
ENSMUSG00000114907.2,Gm47794,lncRNA	-1.086321	0.012918
ENSMUSG00000027654.3,Fam83d,protein_coding	-1.090684	0.036493
ENSMUSG00000031506.12,Ptpn7,protein_coding	-1.091029	0.0361136
ENSMUSG00000074867.5,Zfp808,protein_coding	-1.096675	0.0325294
ENSMUSG00000110866.2,Gm48362,lncRNA	-1.100251	0.0364916
ENSMUSG00000042349.14,Ikbke,protein_coding	-1.104069	0.0305403
ENSMUSG00000069899.4,Sft2d1rt,protein_coding	-1.10447	0.0425796
ENSMUSG00000032487.9,Ptgs2,protein_coding	-1.106233	0.0007662
ENSMUSG00000100862.2,Atp6-ps,unprocessed_pseudogene	-1.115105	0.0088421
ENSMUSG00000019850.12,Tnfaip3,protein_coding	-1.116298	0.0271721
ENSMUSG00000028970.10,Abcb1b,protein_coding	-1.117871	0.0120432
ENSMUSG00000105923.6,A830019L24Rik,lncRNA	-1.121976	0.018576
ENSMUSG00000067736.3,Gm10222,unprocessed_pseudogene	-1.12447	0.0067554

ENSMUSG00000030157.6,Clec2d,protein_coding	-1.125132	0.0047443
ENSMUSG00000049744.16,Arhgap15,protein_coding	-1.133287	0.0065186
ENSMUSG00000028214.14,Gem,protein_coding	-1.135451	0.0345136
ENSMUSG00000038393.15,Txnip,protein_coding	-1.135584	0.0358982
ENSMUSG00000024300.18,Myo1f,protein_coding	-1.137639	0.0288735
ENSMUSG00000117254.4,Gm34567,lncRNA	-1.139308	0.0014234
ENSMUSG00000018774.14,Cd68,protein_coding	-1.141552	0.0186942
ENSMUSG00000069755.7,Zfp125,transcribed_unprocessed_pseudogene	-1.141592	0.0026866
ENSMUSG00000025161.17,Slc16a3,protein_coding	-1.141692	0.0069113
ENSMUSG00000019997.12,Ccn2,protein_coding	-1.143247	0.0001465
ENSMUSG00000064647.3,Gm23301,snoRNA	-1.146563	0.0044913
ENSMUSG00000027015.5,Cybrd1,protein_coding	-1.147298	0.0001473
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ENSMUSG00000064215.14,Ifi27,protein_coding	-1.149517	0.0019422
ENSMUSG00000077604.3,Snord1b,snoRNA	-1.150023	0.0430998
ENSMUSG00000056498.14,Tmem154,protein_coding	-1.153334	0.04023
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ENSMUSG00000093942.4,Or13a18,protein_coding	-1.172652	0.0400162
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ENSMUSG00000022952.18,Runx1,protein_coding	-1.186802	0.0481167
ENSMUSG00000090215.11,Trim34b,protein_coding	-1.187003	0.0215411
ENSMUSG00000068699.13,Flnc,protein_coding	-1.190207	0.0005677
ENSMUSG00000031551.13,Ido1,protein_coding	-1.190592	0.0438151
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ENSMUSG00000020057.3,Dram1,protein_coding	-1.194321	0.0191631
ENSMUSG00000062939.12,Stat4,protein_coding	-1.199768	0.023032
ENSMUSG00000029798.12,Herc6,protein_coding	-1.20119	0.0006202
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ENSMUSG00000053113.4,Socs3,protein_coding	-1.210135	0.0192182
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ENSMUSG00000022216.18,Psme1,protein_coding	-1.217395	0.0090956
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ENSMUSG00000065818.3,Snord35a,snoRNA	-1.223753	0.0359554
ENSMUSG00000062210.15,Tnfaip8,protein_coding	-1.228905	0.0416797
ENSMUSG00000076928.6,Trac,TR_C_gene	-1.234555	0.0396716
ENSMUSG00000017830.16,Dhx58,protein_coding	-1.236627	0.028016
ENSMUSG00000134669.1,ENSMUSG00000134669,lncRNA	-1.238808	0.048903
ENSMUSG00000079225.5,Gm9531,transcribed_processed_pseudogene	-1.24187	0.0302468
ENSMUSG00000024659.16,Anxa1,protein_coding	-1.242138	0.0014933
ENSMUSG00000030208.16,Emp1,protein_coding	-1.244391	0.0020726
ENSMUSG00000045827.11,Serpinb9,protein_coding	-1.252719	5.256E-05
ENSMUSG00000026271.16,Gpr35,protein_coding	-1.253185	0.0406114
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ENSMUSG00000121393.1,ENSMUSG00000121393,lncRNA	-1.393705	0.0457455
ENSMUSG00000066170.10,E230001N04Rik,lncRNA	-1.394428	0.0109643
ENSMUSG00000022346.18,Myc,protein_coding	-1.394821	0.0464248
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ENSMUSG00000030966.14,Trim21,protein_coding	-1.41054	0.0020105
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ENSMUSG00000041736.8,Tspo,protein_coding	-1.937014	0.0077218
ENSMUSG00000030790.16,Adm,protein_coding	-1.937972	0.020723
ENSMUSG00000091575.4,2010016I18Rik,lncRNA	-1.940357	0.0428544
ENSMUSG00000084033.4,Gm7645,processed_pseudogene	-1.942225	0.0185849
ENSMUSG00000071713.7,Csf2rb,protein_coding	-1.944408	0.012426
ENSMUSG00000052776.11,Oas1a,protein_coding	-1.968284	0.0215644
ENSMUSG00000073418.5,C4b,protein_coding	-1.973904	1.368E-05
ENSMUSG00000123342.1,ENSMUSG00000123342,lncRNA	-1.976038	0.0275162
ENSMUSG00000042622.15,Maff,protein_coding	-1.976912	0.0147787
ENSMUSG00000061577.13,Adgrg5,protein_coding	-1.982532	0.0405023

ENSMUSG00000022014.17,Epsti1,protein_coding	-1.995882	0.0362888
ENSMUSG00000043091.10,Tuba1c,protein_coding	-2.014188	0.0414575
ENSMUSG00000028965.14,Tnfrsf9,protein_coding	-2.020333	0.0219774
ENSMUSG00000079505.4,Gm11131,lncRNA	-2.025198	0.0230288
ENSMUSG00000094338.2,H2bc13,protein_coding	-2.027054	0.0328549
ENSMUSG00000037405.9,Icam1,protein_coding	-2.030251	0.0071352
ENSMUSG00000026012.3,Cd28,protein_coding	-2.037889	0.0031584
ENSMUSG00000032690.17,Oas2,protein_coding	-2.043856	0.0087833
ENSMUSG00000080078.3,Gm15583,transcribed_processed_pseudogene	-2.048996	0.0402939
ENSMUSG00000031779.4,Ccl22,protein_coding	-2.056358	0.0378894
ENSMUSG00000026628.14,Atf3,protein_coding	-2.056732	0.0050535
ENSMUSG00000025492.7,Ifitm3,protein_coding	-2.07762	8.554E-05
ENSMUSG00000038943.17,Prc1,protein_coding	-2.081709	0.0356999
ENSMUSG00000027496.16,Aurka,protein_coding	-2.082526	0.0482026
ENSMUSG00000068245.15,Phf11d,protein_coding	-2.098054	0.0092476
ENSMUSG00000000791.10,Il12rb1,protein_coding	-2.100202	0.0056021
ENSMUSG00000121510.2,ENSMUSG00000121510,lncRNA	-2.10479	0.0038824
ENSMUSG00000034422.15,Parp14,protein_coding	-2.106312	0.0039494
ENSMUSG00000041431.17,Ccnb1,protein_coding	-2.120193	0.045838
ENSMUSG00000026822.15,Lcn2,protein_coding	-2.130959	0.0264865
ENSMUSG00000133723.1,ENSMUSG00000133723,lncRNA	-2.138795	0.0011514
ENSMUSG00000100131.2,Gm28439,unprocessed_pseudogene	-2.138885	0.010155
ENSMUSG00000029298.16,Gbp9,protein_coding	-2.139375	0.0029582
ENSMUSG00000079507.11,H2-Q1,protein_coding	-2.139812	0.0046526
ENSMUSG00000079343.5,C1s2,protein_coding	-2.141887	0.0303107
ENSMUSG00000030107.11,Usp18,protein_coding	-2.145343	0.0094894
ENSMUSG00000085611.4,Ap3s1-ps1,processed_pseudogene	-2.146466	0.0110697
ENSMUSG00000022322.9,Shcbp1,protein_coding	-2.147219	0.041656
ENSMUSG00000005465.10,Il27ra,protein_coding	-2.14864	8.352E-05
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ENSMUSG00000005883.16,Spo11,protein_coding	-2.158589	0.0300184
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ENSMUSG00000054892.15,Txk,protein_coding	-2.17593	0.0486612
ENSMUSG00000041515.11,Irf8,protein_coding	-2.176411	0.0267968
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ENSMUSG00000075122.6,Cd80,protein_coding	-2.190238	0.0329682
ENSMUSG00000012428.10,Steap4,protein_coding	-2.190869	0.0053731
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ENSMUSG00000000817.11,Fasl,protein_coding	-2.199995	0.0058399
ENSMUSG00000121484.2,Serpina3h,lncRNA	-2.21352	0.0021535
ENSMUSG00000090272.10,Mndal,protein_coding	-2.216064	0.003392
ENSMUSG00000021281.16,Tnfaip2,protein_coding	-2.217248	0.0241991
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ENSMUSG00000061232.17,H2-K1,protein_coding	-2.229444	0.0018507
ENSMUSG00000022584.15,Ly6c2,protein_coding	-2.241655	0.0118366
ENSMUSG00000051124.7,Gimap9,protein_coding	-2.242234	0.0400729

ENSMUSG00000091705.9,H2-Q2,protein_coding	-2.24334	0.0072053
ENSMUSG00000024778.14,Fas,protein_coding	-2.258274	0.0417108
ENSMUSG00000037921.16,Ddx60,protein_coding	-2.26141	0.0001808
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ENSMUSG00000074896.4,Ifit3,protein_coding	-2.286959	7.565E-05
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ENSMUSG00000042351.10,Grap2,protein_coding	-2.34158	0.0030769
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ENSMUSG00000035352.4,Ccl12,protein_coding	-2.347413	0.0359101
ENSMUSG00000029082.18,Bst1,protein_coding	-2.352801	0.0074662
ENSMUSG00000054435.17,Gimap4,protein_coding	-2.356759	0.0229377
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ENSMUSG00000032094.9,Cd3d,protein_coding	-2.361722	0.0290714
ENSMUSG00000048327.7,Ckap2l,protein_coding	-2.373141	0.0447654
ENSMUSG00000024691.14,Fam111a,protein_coding	-2.374796	0.0366753
ENSMUSG00000051457.8,Spn,protein_coding	-2.379628	0.0131709
ENSMUSG00000018899.18,Irf1,protein_coding	-2.383516	0.0114721
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ENSMUSG00000033220.8,Rac2,protein_coding	-2.405372	0.0359864
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ENSMUSG00000030921.18,Trim30a,protein_coding	-2.430856	0.0162039
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ENSMUSG00000024669.9,Cd5,protein_coding	-2.472242	0.0100212
ENSMUSG00000027863.9,Cd2,protein_coding	-2.482288	0.007088
ENSMUSG00000024795.12,Kif20b,protein_coding	-2.486314	0.0368495
ENSMUSG00000112148.2,Lilrb4a,protein_coding	-2.48637	0.0422093
ENSMUSG00000033355.7,Rtp4,protein_coding	-2.513221	0.0001729
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ENSMUSG00000034459.9,Ifit1,protein_coding	-2.526804	0.0005467
ENSMUSG00000037318.11,Traf3ip3,protein_coding	-2.536897	0.038638
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ENSMUSG00000075010.8,AW112010,lncRNA	-2.540685	0.0485368
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ENSMUSG00000026358.14,Rgs1,protein_coding	-3.856848	0.0304735
ENSMUSG00000020914.18,Top2a,protein_coding	-3.863158	0.033366
ENSMUSG00000036322.14,H2-Ea,protein_coding	-3.930966	0.0276633
ENSMUSG00000100658.4,F730311O21Rik,lncRNA	-3.939721	0.0089212
ENSMUSG00000052736.16,Klrc2,protein_coding	-3.94937	0.0009188
ENSMUSG00000024401.15,Tnf,protein_coding	-3.985855	0.0337898
ENSMUSG00000026009.15,Icos,protein_coding	-4.035032	0.0078905
ENSMUSG00000032661.10,Oas3,protein_coding	-4.081965	0.0042682
ENSMUSG00000078920.4,Ifi47,protein_coding	-4.082157	0.0075116
ENSMUSG00000035385.6,Ccl2,protein_coding	-4.096513	0.0115642
ENSMUSG00000030167.16,Klrc1,protein_coding	-4.132673	0.0014807
ENSMUSG00000104713.5,Gbp6,protein_coding	-4.145156	0.000493
ENSMUSG00000085977.2,Gm5970,processed_pseudogene	-4.148665	0.0018196
ENSMUSG00000060183.8,Cxcl11,protein_coding	-4.15556	0.0138937
ENSMUSG00000100029.3,D7Ertd128e,lncRNA	-4.194098	0.0074763
ENSMUSG00000105096.2,Gbp10,protein_coding	-4.218646	0.0021535
ENSMUSG00000078921.4,Tgtp2,protein_coding	-4.264953	0.0007343
ENSMUSG00000027514.15,Zbp1,protein_coding	-4.273227	0.0088238
ENSMUSG00000134402.1,Gm12250,lncRNA	-4.291933	0.0033721
ENSMUSG00000094475.9,Gm11007,protein_coding	-4.307876	0.0203269
ENSMUSG00000040328.18,Or2v1,protein_coding	-4.308526	0.0023758

ENSMUSG00000078853.9,Igtp,protein_coding	-4.322104	0.0001326
ENSMUSG00000073555.2,Iigp1c,protein_coding	-4.351639	0.0013138
ENSMUSG00000015437.6,Gzmb,protein_coding	-4.379075	0.0021388
ENSMUSG00000090231.11,Cfb,protein_coding	-4.447905	0.0496404
ENSMUSG00000054072.13,Iigp1,protein_coding	-4.463252	0.0009102
ENSMUSG00000083833.5,Gm13841,processed_pseudogene	-4.480134	0.0464749
ENSMUSG00000030142.11,Clec4e,protein_coding	-4.554599	0.0018655
ENSMUSG00000090942.2,F830016B08Rik,protein_coding	-4.638624	0.000899
ENSMUSG00000069302.6,H2ac12,protein_coding	-4.687033	0.0119262
ENSMUSG00000084350.2,Znf41-ps,transcribed_unprocessed_pseudogene	-5.076413	0.0247097
ENSMUSG00000143426.1,BC023105,lncRNA	-5.744498	0.0008892

Supplementary Table 2

	logFC	P.Value
ENSMUSG00000026712.4,Mrc1,protein_coding	3.087024	3.472E-06
ENSMUSG00000094708.2,Gm10359,processed_pseudogene	2.4224097	0.0022805
ENSMUSG00000065309.4,Gm23244,snRNA	2.4046157	0.025367
ENSMUSG00000008845.10,Cd163,protein_coding	2.3692143	0.0028965
ENSMUSG00000113528.3,Gm32699,TEC	2.2114042	0.0101591
ENSMUSG00000040229.12,Gpr34,protein_coding	2.2108346	0.0003393
ENSMUSG00000027322.12,Siglec1,protein_coding	2.1597128	0.0109276
ENSMUSG00000053740.9,Gm6457,processed_pseudogene	2.1244151	0.0498694
ENSMUSG00000100671.2,Gm28322,lncRNA	2.090863	0.017016
ENSMUSG00000036362.3,P2ry13,protein_coding	1.9959516	1.194E-05
ENSMUSG00000086524.5,Pabpc1l2a,protein_coding	1.9351903	0.0440015
ENSMUSG00000034792.9,Gna15,protein_coding	1.8294819	0.0019956
ENSMUSG00000097683.5,Gm26644,lncRNA	1.8113265	0.0338565
ENSMUSG00000052336.9,Cx3cr1,protein_coding	1.7311307	2.591E-07
ENSMUSG00000109506.3,Gm44724,lncRNA	1.7222239	0.0368199
ENSMUSG00000036353.14,P2ry12,protein_coding	1.7156542	2.601E-07
ENSMUSG00000063594.6,Gng8,protein_coding	1.6778846	0.0177633
ENSMUSG00000120385.2,Vis1,lncRNA	1.6385815	0.0153489
ENSMUSG00000032691.15,Nlrp3,protein_coding	1.6097069	0.026014
ENSMUSG00000107194.3,Gm43173,TEC	1.5859521	0.023904
ENSMUSG00000126665.1,ENSMUSG00000126665,lncRNA	1.5010971	0.0095793
ENSMUSG00000020651.9,Slc26a4,protein_coding	1.4883477	0.030948
ENSMUSG00000052821.4,Cysltr1,protein_coding	1.4592424	0.0477396
ENSMUSG00000021876.16,Rnase4,protein_coding	1.3528602	9.882E-06
ENSMUSG00000126570.1,ENSMUSG00000126570,lncRNA	1.3443172	0.0265047
ENSMUSG00000054675.6,Tmem119,protein_coding	1.3290191	0.0001878
ENSMUSG00000106206.2,Gm43094,TEC	1.2986793	0.0361511
ENSMUSG00000097745.3,AI115009,lncRNA	1.2794978	0.0427998
ENSMUSG00000111800.3,Gm31557,lncRNA	1.2714111	0.0446744
ENSMUSG00000048163.14,Selplg,protein_coding	1.2387985	0.00021
ENSMUSG00000024621.17,Csf1r,protein_coding	1.2330651	2.282E-05
ENSMUSG00000120535.2,Gm56715,lncRNA	1.2245603	0.0167476
ENSMUSG00000108713.4,Gm33027,lncRNA	1.2225759	0.0450127
ENSMUSG00000096992.5,Gm26788,lncRNA	1.2051538	0.034498
ENSMUSG00000133522.1,ENSMUSG00000133522,lncRNA	1.1980101	0.0048774
ENSMUSG00000004609.12,Cd33,protein_coding	1.1849264	0.0009322
ENSMUSG00000113708.2,Gm47584,TEC	1.1842802	0.0264348
ENSMUSG00000110696.2,Gm45706,TEC	1.1792437	0.0387115
ENSMUSG00000051504.19,Siglech,protein_coding	1.1713578	0.0005071
ENSMUSG00000117250.3,Gm49871,lncRNA	1.170232	0.0379107
ENSMUSG00000108736.2,Gm45151,lncRNA	1.142487	0.0087502
ENSMUSG00000117613.4,Gm2629,lncRNA	1.1415296	0.0036392
ENSMUSG00000075593.11,Gal3st4,protein_coding	1.1311791	0.0013459
ENSMUSG00000119058.1,Gm22628,snRNA	1.1251522	0.0419223
ENSMUSG00000079608.11,Stard6,protein_coding	1.121491	0.0212205
ENSMUSG00000127073.1,ENSMUSG00000127073,lncRNA	1.117055	0.0298861
ENSMUSG00000106103.2,Gm43081,TEC	1.1030903	0.048888
ENSMUSG00000134535.1,ENSMUSG00000134535,lncRNA	1.1011452	0.0357661
ENSMUSG00000125657.1,ENSMUSG00000125657,lncRNA	1.0976912	0.0352344
ENSMUSG00000119356.1,Gm23712,snRNA	1.0962227	0.039482
ENSMUSG00000127033.1,ENSMUSG00000127033,lncRNA	1.0744969	0.0299213

ENSMUSG00000105578.2,Gm43663,TEC	1.0744709	0.0383474
ENSMUSG00000023992.15,Trem2,protein_coding	1.065836	0.0006015
ENSMUSG00000086324.11,Gm15564,lncRNA	1.0631154	0.0158731
ENSMUSG00000082812.2,Gm14860,processed_pseudogene	1.0489914	0.02799
ENSMUSG00000103561.2,Gm38069,TEC	1.0224422	0.0420944
ENSMUSG00000120095.2,Gm26664,lncRNA	1.0074983	0.0005041
ENSMUSG00000005373.14,Mlxipl,protein_coding	1.0067547	0.0063342
ENSMUSG00000127941.1,ENSMUSG00000127941,lncRNA	0.9981825	0.0212383
ENSMUSG00000126408.1,ENSMUSG00000126408,lncRNA	0.9770541	0.0446007
ENSMUSG00000126666.1,ENSMUSG00000126666,lncRNA	0.9767378	0.0254225
ENSMUSG00000070471.4,Erich6,protein_coding	0.9738641	0.0125681
ENSMUSG00000113423.2,Gm3791,processed_pseudogene	0.9596336	0.0162021
ENSMUSG00000042286.14,Stab1,protein_coding	0.9555207	0.0034474
ENSMUSG00000112875.2,Gm48074,TEC	0.9509742	0.0301405
ENSMUSG00000034000.16,Neu4,protein_coding	0.9432032	0.0008034
ENSMUSG00000103663.2,2900037B21Rik,TEC	0.9388104	0.0294649
ENSMUSG00000043029.3,Trpv3,protein_coding	0.9303803	0.006563
ENSMUSG00000102062.3,Gm29246,lncRNA	0.9284782	0.0023146
ENSMUSG00000106557.2,Gm42442,TEC	0.9267637	0.0009372
ENSMUSG00000085615.5,A330035P11Rik,lncRNA	0.9215686	0.0086194
ENSMUSG00000109997.2,9430099M06Rik,TEC	0.9167151	0.0405325
ENSMUSG00000105717.2,Gm43465,lncRNA	0.9152463	0.0166437
ENSMUSG00000103694.2,Gm37530,TEC	0.9101745	0.0360135
ENSMUSG00000049625.7,Tifab,protein_coding	0.9082767	0.011743
ENSMUSG00000105730.3,Gm43838,lncRNA	0.9077469	0.0268463
ENSMUSG00000110877.2,Gm47427,TEC	0.9055762	0.0411441
ENSMUSG00000006462.9,A530013C23Rik,lncRNA	0.903896	0.0412934
ENSMUSG00000127854.1,ENSMUSG00000127854,lncRNA	0.8961972	0.0327234
ENSMUSG00000033192.6,Lpcat2,protein_coding	0.8942322	0.0032874
ENSMUSG00000116604.2,Gm49745,lncRNA	0.891599	0.0238133
ENSMUSG00000065097.3,Snora16a,snoRNA	0.8908328	0.0492083
ENSMUSG00000103779.2,Gm36931,TEC	0.8904739	0.0068652
ENSMUSG00000105004.2,Gm43075,TEC	0.8778891	0.0166014
ENSMUSG00000104784.3,Gm42984,lncRNA	0.8776886	0.0404795
ENSMUSG00000099672.3,Gm28564,lncRNA	0.8728243	0.0284263
ENSMUSG00000137697.1,ENSMUSG00000137697,lncRNA	0.8703898	0.0158495
ENSMUSG00000085762.3,Lrrc75aos2,lncRNA	0.8633717	0.0131389
ENSMUSG00000098488.8,Pla2g4b,protein_coding	0.8597814	0.0125384
ENSMUSG00000135641.1,ENSMUSG00000135641,lncRNA	0.8525802	0.0424726
ENSMUSG00000107225.2,Gm43637,TEC	0.85064	0.0096484
ENSMUSG00000030786.19,Itgam,protein_coding	0.8453959	0.0007394
ENSMUSG00000083064.2,Gm7785,processed_pseudogene	0.8423981	0.0453086
ENSMUSG00000058099.17,Nfam1,protein_coding	0.8355855	0.0332895
ENSMUSG00000097178.10,2310002F09Rik,lncRNA	0.8243068	0.0498902
ENSMUSG00000020865.17,Abcc3,protein_coding	0.8231777	0.0229861
ENSMUSG00000110269.2,Gm45258,TEC	0.8102308	0.0255343
ENSMUSG00000103151.2,Gm38292,TEC	0.8082134	0.0098181
ENSMUSG00000102973.2,E430014B02Rik,TEC	0.8078457	0.0167748
ENSMUSG00000142274.1,ENSMUSG00000142274,lncRNA	0.8073966	0.0059379
ENSMUSG00000045730.5,Adrb2,protein_coding	0.8043005	0.0244847
ENSMUSG00000053038.9,Gm6180,processed_pseudogene	0.8037175	0.0360483
ENSMUSG00000018008.9,Cyth4,protein_coding	0.803659	0.0049704

ENSMUSG00000028341.10,Nr4a3,protein_coding	0.8023223	0.0227489
ENSMUSG00000108322.5,5430431A17Rik,lncRNA	0.8009535	0.0352896
ENSMUSG00000038415.11,Foxq1,protein_coding	0.8006204	0.0116665
ENSMUSG00000018845.15,Unc45b,protein_coding	0.7925282	0.0146064
ENSMUSG00000111626.2,Gm48738,processed_pseudogene	0.7921318	0.0244147
ENSMUSG00000137097.1,ENSMUSG00000137097,lncRNA	0.7916288	0.0118891
ENSMUSG00000043051.19,Disc1,protein_coding	0.7858076	0.0375457
ENSMUSG00000110672.2,Gm45786,TEC	0.7843256	0.0411319
ENSMUSG00000021665.10,Hexb,protein_coding	0.765905	0.004877
ENSMUSG00000121080.1,Gm57228,lncRNA	0.7647352	0.0035259
ENSMUSG00000109256.2,Gm44681,TEC	0.7645646	0.0204541
ENSMUSG00000122712.1,ENSMUSG00000122712,lncRNA	0.7627781	0.0100605
ENSMUSG00000037984.10,Neurod6,protein_coding	0.7593773	0.046475
ENSMUSG00000120400.2,Gm3134,lncRNA	0.7522694	0.0239857
ENSMUSG00000030796.18,Tead2,protein_coding	0.7439531	0.0437255
ENSMUSG00000086331.2,Gm16310,lncRNA	0.7404516	0.0465365
ENSMUSG00000103945.2,Gm38228,TEC	0.7389627	0.0324324
ENSMUSG00000139879.1,ENSMUSG00000139879,lncRNA	0.7364834	0.004024
ENSMUSG00000106729.2,Gm43165,TEC	0.7266039	0.0439644
ENSMUSG00000029919.6,Hpgds,protein_coding	0.7262633	0.0312245
ENSMUSG00000075591.4,Gm10874,lncRNA	0.720784	0.0452826
ENSMUSG00000041797.8,Abca9,protein_coding	0.7157896	0.0002463
ENSMUSG00000032323.14,Cyp11a1,protein_coding	0.7157151	0.0205031
ENSMUSG00000109090.2,Gm45088,TEC	0.7143666	0.0183598
ENSMUSG00000037169.16,Mycn,protein_coding	0.7127371	0.0236408
ENSMUSG00000051074.7,4930579K19Rik,lncRNA	0.7121201	0.0327751
ENSMUSG00000020101.15,Vsir,protein_coding	0.7087601	0.0012961
ENSMUSG00000140964.1,ENSMUSG00000140964,lncRNA	0.7053578	0.0268764
ENSMUSG00000103038.2,Gm37124,TEC	0.7042035	0.0268666
ENSMUSG00000120062.2,Gm56833,lncRNA	0.7015658	0.0380004
ENSMUSG00000106057.2,Gm43560,lncRNA	0.6900169	0.016119
ENSMUSG00000103098.2,Gm37559,processed_pseudogene	0.6896473	0.047377
ENSMUSG00000107207.2,Gm42897,TEC	0.6883376	0.0187509
ENSMUSG00000104462.2,Gm37661,TEC	0.6862346	0.0451536
ENSMUSG00000074346.8,Kcnd3os,lncRNA	0.685979	0.0241523
ENSMUSG00000120883.2,Gm56552,lncRNA	0.68343	0.0041618
ENSMUSG00000134226.1,ENSMUSG00000134226,lncRNA	0.6820395	0.0246531
ENSMUSG00000115833.2,Gm49196,processed_pseudogene	0.6785739	0.022437
ENSMUSG00000126811.1,ENSMUSG00000126811,lncRNA	0.6749949	0.0072705
ENSMUSG00000110084.2,Gm45257,TEC	0.6706016	0.0449729
ENSMUSG00000135019.1,ENSMUSG00000135019,lncRNA	0.6685361	0.048772
ENSMUSG00000075555.15,Gm10863,lncRNA	0.6670522	0.0468443
ENSMUSG00000090066.3,1110002E22Rik,protein_coding	0.665809	0.0153223
ENSMUSG00000129055.1,ENSMUSG00000129055,lncRNA	0.6646092	0.0280787
ENSMUSG00000107524.2,Gm44136,TEC	0.6515124	0.0337217
ENSMUSG00000054889.11,Dsp,protein_coding	0.6511123	0.0297272
ENSMUSG00000103225.2,Gm37731,TEC	0.6489856	0.0148658
ENSMUSG00000114148.2,Gm47701,lncRNA	0.6478722	0.0054012
ENSMUSG00000108368.2,Gm45053,TEC	0.6474508	0.0066021
ENSMUSG00000107815.3,Gm44257,lncRNA	0.6450676	0.0421257
ENSMUSG00000100417.5,Gm28578,lncRNA	0.6445519	0.026935
ENSMUSG00000136557.1,ENSMUSG00000136557,lncRNA	0.6443738	0.0304587

ENSMUSG00000016995.18,Matn4,protein_coding	0.6398261	0.0073295
ENSMUSG00000090674.2,Gm17082,processed_pseudogene	0.6380063	0.0058552
ENSMUSG00000119988.2,5430427G11Rik,lncRNA	0.6365845	0.01821
ENSMUSG00000021411.17,Pxdc1,protein_coding	0.6349715	0.041129
ENSMUSG00000021676.11,Iqgap2,protein_coding	0.6328745	0.016248
ENSMUSG00000115420.2,Rmrp,lncRNA	0.6323235	0.0361739
ENSMUSG00000120091.2,Gm56529,lncRNA	0.6294782	0.0180455
ENSMUSG00000103831.2,Gm37608,TEC	0.6274543	0.0150467
ENSMUSG00000108168.2,Gm43864,TEC	0.6208578	0.0462156
ENSMUSG00000055541.20,Lair1,protein_coding	0.616739	0.0033198
ENSMUSG00000102619.2,Gm37849,TEC	0.615399	0.0335321
ENSMUSG00000105584.2,Gm42588,TEC	0.6146827	0.0293863
ENSMUSG00000111434.2,Gm47121,lncRNA	0.6137898	0.0392039
ENSMUSG00000102995.2,A330074H02Rik,TEC	0.6137445	0.041294
ENSMUSG00000102632.2,Gm37786,TEC	0.6134193	0.0184477
ENSMUSG00000090168.3,D630014O11Rik,lncRNA	0.6025668	0.048018
ENSMUSG00000119991.2,Gm56635,lncRNA	0.6005481	0.0242899
ENSMUSG00000120428.2,Gm56523,lncRNA	0.5976665	0.0424093
ENSMUSG00000106516.2,Gm42441,TEC	0.5958639	0.0493876
ENSMUSG00000103916.2,Gm38071,TEC	0.5953305	0.0294434
ENSMUSG00000134044.1,ENSMUSG00000134044,lncRNA	0.5920751	0.0481875
ENSMUSG00000120493.2,Gm57059,lncRNA	0.5879352	0.0208639
ENSMUSG00000048482.15,Bdnf,protein_coding	0.5873308	0.0285774
ENSMUSG00000113326.2,Gm47586,TEC	0.5822702	0.0079057
ENSMUSG00000141199.1,ENSMUSG00000141199,lncRNA	0.5793028	0.022822
ENSMUSG00000106603.2,Gm43509,TEC	0.574905	0.0304445
ENSMUSG00000105653.2,Gm43831,TEC	0.568144	0.0285735
ENSMUSG00000102700.2,Gm38312,TEC	0.5665388	0.0013452
ENSMUSG00000068854.8,H2bc21,protein_coding	0.5664791	0.0028478
ENSMUSG00000032373.16,Car12,protein_coding	0.5653715	0.0343433
ENSMUSG00000079671.11,2610203C22Rik,lncRNA	0.5653664	0.0120152
ENSMUSG00000136119.1,ENSMUSG00000136119,lncRNA	0.5638414	0.0475768
ENSMUSG00000108465.2,Gm45110,TEC	0.5635491	0.0269131
ENSMUSG00000111254.2,Gm48717,TEC	0.5597493	0.0392829
ENSMUSG00000109792.2,Gm45426,TEC	0.5572718	0.0359176
ENSMUSG00000024663.21,Rab3il1,protein_coding	0.5570043	0.0108121
ENSMUSG00000105289.2,Gm43483,TEC	0.5563994	0.0124636
ENSMUSG00000134510.1,ENSMUSG00000134510,lncRNA	0.5562991	0.0398466
ENSMUSG00000108897.2,Gm44861,TEC	0.5546393	0.0362241
ENSMUSG00000024598.10,Fbn2,protein_coding	0.5536774	0.0103384
ENSMUSG00000105748.2,Gm43088,TEC	0.553142	0.0137628
ENSMUSG00000134971.1,ENSMUSG00000134971,lncRNA	0.5518602	0.0343409
ENSMUSG00000107690.2,Gm44044,TEC	0.5513106	0.0476153
ENSMUSG00000031665.8,Sall1,protein_coding	0.5493476	0.0083842
ENSMUSG00000140518.1,ENSMUSG00000140518,lncRNA	0.5478813	0.0231642
ENSMUSG00000113073.2,Gm48261,TEC	0.5468465	0.0299284
ENSMUSG00000126185.1,ENSMUSG00000126185,lncRNA	0.5369928	0.0184929
ENSMUSG00000103032.2,Gm37121,TEC	0.5367981	0.0333864
ENSMUSG00000118125.2,Gm50387,protein_coding	0.5324707	0.0113475
ENSMUSG00000105933.2,Gm43260,lncRNA	0.5291376	0.0384769
ENSMUSG00000046523.6,Kctd4,protein_coding	0.5227425	0.0238411
ENSMUSG00000105272.2,Gm43071,TEC	0.5209803	0.0452605

ENSMUSG00000039037.6,St6galnac5,protein_coding	0.5181013	0.0471082
ENSMUSG00000121840.1,ENSMUSG00000121840,lncRNA	0.517577	0.0468248
ENSMUSG00000102179.2,Gm37868,TEC	0.5156763	0.0325157
ENSMUSG00000025810.10,Nrp1,protein_coding	0.5154232	0.0101771
ENSMUSG00000127505.1,ENSMUSG00000127505,lncRNA	0.5146045	0.0395061
ENSMUSG00000103630.2,Gm37242,TEC	0.5129922	0.0188295
ENSMUSG00000104488.2,Gm38062,TEC	0.5113447	0.0392118
ENSMUSG00000115718.2,Gm49179,lncRNA	0.510176	0.0453505
ENSMUSG00000118383.3,Gm50321,lncRNA	0.5095218	0.0258655
ENSMUSG00000105985.2,Gm42993,TEC	0.5013823	0.0393789
ENSMUSG00000097583.4,6430590A07Rik,lncRNA	0.5008965	0.0294227
ENSMUSG00000113020.2,Gm48063,TEC	0.500304	0.0264047
ENSMUSG00000033446.8,Lpar6,protein_coding	0.4995396	0.0295638
ENSMUSG00000120013.2,Gm57273,lncRNA	0.492454	0.0248268
ENSMUSG00000029231.16,Pdgfra,protein_coding	0.4919698	0.0003975
ENSMUSG00000110751.2,C230053D17Rik,TEC	0.4917815	0.0406244
ENSMUSG00000026872.19,Zeb2,protein_coding	0.488518	0.0024503
ENSMUSG00000105848.2,Gm42683,TEC	0.4855326	0.031945
ENSMUSG00000107240.2,Gm43231,TEC	0.4831921	0.0468583
ENSMUSG00000103049.2,Gm37311,TEC	0.4819091	0.0284971
ENSMUSG00000058145.17,Adamts17,protein_coding	0.4800628	0.0465299
ENSMUSG00000112944.2,Gm48885,TEC	0.4798995	0.0276413
ENSMUSG00000107201.2,5930420M18Rik,TEC	0.4777533	0.0109995
ENSMUSG00000111424.2,Gm48478,TEC	0.475967	0.0255858
ENSMUSG00000102253.2,Gm38259,TEC	0.4725684	0.0484565
ENSMUSG00000102681.2,Gm37221,TEC	0.4690664	0.0433595
ENSMUSG00000141422.1,ENSMUSG00000141422,lncRNA	0.4680863	0.0400618
ENSMUSG00000033377.15,Palmd,protein_coding	0.4675999	0.0275021
ENSMUSG00000113349.2,Gm48369,TEC	0.4667826	0.0118873
ENSMUSG00000097587.5,4930578M01Rik,lncRNA	0.4646054	0.0346422
ENSMUSG00000104018.2,4833412K13Rik,TEC	0.4609066	0.0326938
ENSMUSG00000081137.4,Gm15246,transcribed_processed_ps	0.4592329	0.0478672
ENSMUSG00000091387.3,Gcnt4,protein_coding	0.4591613	0.0484965
ENSMUSG00000096870.6,Gm21816,lncRNA	0.45266	0.0369343
ENSMUSG00000104420.2,E230020A03Rik,TEC	0.4518564	0.0438382
ENSMUSG00000032911.7,Cspg4,protein_coding	0.4508876	0.0124381
ENSMUSG00000039239.15,Tgfb2,protein_coding	0.4477854	0.0330263
ENSMUSG00000112229.2,Gm48086,lncRNA	0.4422128	0.0176028
ENSMUSG00000113869.2,Gm48869,processed_pseudogene	0.4415403	0.0357981
ENSMUSG00000106115.2,Gm43420,TEC	0.438704	0.0220078
ENSMUSG00000119996.2,Gm57286,lncRNA	0.4381913	0.0492875
ENSMUSG00000085776.11,5430402O13Rik,lncRNA	0.4373645	0.0255401
ENSMUSG00000090659.10,Zfp493,protein_coding	0.4362918	0.0338257
ENSMUSG00000106229.2,Gm19409,lncRNA	0.4358397	0.0437577
ENSMUSG00000036304.15,Zdhhc23,protein_coding	0.435288	0.0322972
ENSMUSG00000112734.2,Gm47644,lncRNA	0.4305869	0.0319091
ENSMUSG00000086095.4,Gm15328,lncRNA	0.4225255	0.0240745
ENSMUSG00000103585.2,Pcdhgb4,protein_coding	0.4219395	0.0390404
ENSMUSG00000022817.16,Itgb5,protein_coding	0.4218389	0.0054864
ENSMUSG00000038048.9,Cntnap5c,protein_coding	0.4186852	0.0292726
ENSMUSG00000103144.2,Pcdhga1,protein_coding	0.397716	0.0392804
ENSMUSG00000102504.2,Gm21955,TEC	0.3972275	0.0316126

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ENSMUSG00000000861.16,Bcl11a,protein_coding	0.3955191	0.0392843
ENSMUSG00000074235.6,Gm10649,lncRNA	0.3941191	0.0462672
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ENSMUSG00000107116.2,Gm43274,TEC	0.3872607	0.0410353
ENSMUSG00000042082.8,Arsb,protein_coding	0.3836196	0.0156414
ENSMUSG00000039087.18,Rreb1,protein_coding	0.3817092	0.0180258
ENSMUSG00000021614.17,Vcan,protein_coding	0.3800953	0.0084663
ENSMUSG00000131125.1,ENSMUSG00000131125,lncRNA	0.3746172	0.0497389
ENSMUSG00000022514.15,Il1rap,protein_coding	0.3715442	0.0161998
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ENSMUSG00000020846.7,Rflnb,protein_coding	0.3648351	0.0333662
ENSMUSG00000102875.2,Gm37139,TEC	0.3577696	0.0293978
ENSMUSG00000121868.2,Gm15506,lncRNA	0.3558764	0.0185232
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ENSMUSG00000039578.18,Ccser1,protein_coding	0.3348873	0.0293704
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ENSMUSG00000031949.18,Adat1,protein_coding	0.3329804	0.0492152
ENSMUSG00000113047.4,Gm47469,lncRNA	0.3301716	0.0345202
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ENSMUSG00000097571.12,Jpx,lncRNA	0.3259026	0.0373896
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ENSMUSG00000019763.12,Rmnd1,protein_coding	0.321355	0.0170327
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ENSMUSG00000054074.11,Skida1,protein_coding	0.2857622	0.0356172
ENSMUSG00000022639.17,Dubr,lncRNA	0.2853491	0.0427672
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ENSMUSG00000022967.14,Ifnar1,protein_coding	0.1769266	0.0179179
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ENSMUSG00000022816.12,Fstl1,protein_coding	-0.459852	0.0151804
ENSMUSG00000020736.13,Nt5c,protein_coding	-0.460499	0.0299339
ENSMUSG00000106831.2,Ube2n-ps1,processed_pseudogene	-0.467478	0.0235417
ENSMUSG00000097330.4,Gm26672,lncRNA	-0.468657	0.0470871
ENSMUSG00000051497.16,Kcnj16,protein_coding	-0.470021	0.0101686
ENSMUSG00000028626.6,Col9a2,protein_coding	-0.47136	0.0310189
ENSMUSG00000033855.16,Ston1,protein_coding	-0.473492	0.0194268
ENSMUSG00000051671.8,Coa6,protein_coding	-0.473562	0.0143975
ENSMUSG00000016526.9,Dyrk3,protein_coding	-0.477977	0.0310243
ENSMUSG00000040158.13,Tax1bp3,protein_coding	-0.480044	0.0213689
ENSMUSG00000052364.5,B630019K06Rik,protein_coding	-0.481118	0.0134997
ENSMUSG00000050914.17,Ankrd37,protein_coding	-0.483292	0.0344096
ENSMUSG00000035910.16,Dcdc2a,protein_coding	-0.485083	0.0041321
ENSMUSG00000037278.10,Tmem97,protein_coding	-0.488042	0.0078357
ENSMUSG00000107451.2,Gm44421,lncRNA	-0.492743	0.0441258
ENSMUSG00000048376.7,F2r,protein_coding	-0.493926	0.0353421
ENSMUSG00000046721.12,Rpl14-ps1,processed_pseudogene	-0.494951	0.0446921
ENSMUSG00000015053.15,Gata2,protein_coding	-0.49685	0.0477598
ENSMUSG00000021773.12,Comtd1,protein_coding	-0.507215	0.0488669
ENSMUSG00000040147.15,Maob,protein_coding	-0.508414	0.0314099
ENSMUSG00000029162.16,Khk,protein_coding	-0.508972	0.0491942
ENSMUSG00000079018.11,Ly6c1,protein_coding	-0.516537	0.0185895
ENSMUSG00000036256.14,Igfbp7,protein_coding	-0.51695	0.0296269
ENSMUSG00000020467.16,Efemp1,protein_coding	-0.51791	0.0365566
ENSMUSG00000086228.4,Ubap1l,protein_coding	-0.522055	0.033347
ENSMUSG00000061740.9,Cyp2d22,protein_coding	-0.522957	0.0181196
ENSMUSG00000050737.14,Ptges,protein_coding	-0.529026	0.0193395
ENSMUSG00000054057.4,A930004D18Rik,lncRNA	-0.53047	0.0163003
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ENSMUSG00000084416.4,Rpl10a-ps1,processed_pseudogene	-0.531754	0.029877
ENSMUSG00000020834.18,Dhrs13,protein_coding	-0.536525	0.0144665
ENSMUSG00000121238.2,Stk35os1,lncRNA	-0.538083	0.0227704
ENSMUSG00000025645.9,Ccdc51,protein_coding	-0.539239	0.01998
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ENSMUSG00000088025.3,Rprl3,ribozyme	-0.559994	0.0203158
ENSMUSG00000040557.15,Mettl27,protein_coding	-0.560856	0.0127999
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ENSMUSG00000017344.5,Vtn,protein_coding	-0.562913	0.0023864
ENSMUSG00000032125.22,Robo4,protein_coding	-0.564437	0.0042461
ENSMUSG00000090129.11,Or10ad1,protein_coding	-0.574747	0.0109556
ENSMUSG00000130860.1,ENSMUSG00000130860,lncRNA	-0.57615	0.0314802
ENSMUSG00000030545.10,Pex11a,protein_coding	-0.580066	0.0194331

ENSMUSG00000028545.14,Bend5,protein_coding	-0.58053	0.0270054
ENSMUSG00000002266.18,Zim1,protein_coding	-0.580734	0.0304486
ENSMUSG00000014846.13,Tppp3,protein_coding	-0.588122	0.0323035
ENSMUSG00000121815.1,ENSMUSG00000121815,lncRNA	-0.589093	0.0369174
ENSMUSG00000042010.17,Acacb,protein_coding	-0.596077	0.0074073
ENSMUSG00000121151.1,Gm56909,lncRNA	-0.603132	0.034776
ENSMUSG00000039903.19,Eva1c,protein_coding	-0.603434	0.0497736
ENSMUSG00000045954.8,Cavin2,protein_coding	-0.604437	0.0075425
ENSMUSG00000032180.12,Tmed1,protein_coding	-0.607075	0.0046616
ENSMUSG00000043719.15,Col6a6,protein_coding	-0.613601	0.0332922
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ENSMUSG00000028318.15,Polr1e,protein_coding	-0.626077	0.0128399
ENSMUSG00000019970.16,Sgk1,protein_coding	-0.630848	0.0182249
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ENSMUSG00000022219.11,Cideb,protein_coding	-0.632987	0.046051
ENSMUSG00000109222.2,Gm10297,processed_pseudogene	-0.635765	0.0435595
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ENSMUSG00000006522.18,Itih3,protein_coding	-0.649832	0.0079776
ENSMUSG00000039062.16,Anpep,protein_coding	-0.656128	0.0343048
ENSMUSG00000029661.17,Col1a2,protein_coding	-0.656268	0.0073142
ENSMUSG00000028167.16,Bdh2,protein_coding	-0.658213	0.0482979
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ENSMUSG00000022383.14,Ppara,protein_coding	-0.662318	0.0084907
ENSMUSG00000021550.7,Qng1,protein_coding	-0.666938	0.0096558
ENSMUSG00000028776.15,Tinagl1,protein_coding	-0.693238	0.0072935
ENSMUSG00000114190.2,4930556H04Rik,TEC	-0.694874	0.0392481
ENSMUSG00000057058.17,Skap1,protein_coding	-0.695025	0.0339783
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ENSMUSG00000032942.15,Ucp3,protein_coding	-0.718294	0.0104857
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ENSMUSG00000030110.14,Ret,protein_coding	-0.719143	0.0286774
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ENSMUSG00000043441.6,Gpr149,protein_coding	-0.728915	0.0419285
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ENSMUSG00000067869.5,Tcea1-ps1,processed_pseudogene	-0.753355	0.024153
ENSMUSG00000049555.11,Tmie,protein_coding	-0.753558	0.0089626

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ENSMUSG00000026380.11,Tfcp2l1,protein_coding	-0.847379	0.0120227
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ENSMUSG00000040264.11,Gbp2b,protein_coding	-1.672014	0.0490945
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ENSMUSG00000080776.2,Gm12174,processed_pseudogene	-2.268816	0.0016447
ENSMUSG00000025094.9,Slc18a2,protein_coding	-2.362565	0.0095681
ENSMUSG00000028280.10,Gabrr1,protein_coding	-2.431671	0.0011442
ENSMUSG00000071748.3,Styx-ps,protein_coding	-2.437107	0.0335824
ENSMUSG00000030167.16,Klrc1,protein_coding	-2.49969	0.0334721
ENSMUSG00000080078.3,Gm15583,transcribed_processed_ps	-2.580019	0.0128384
ENSMUSG00000069083.5,Gm10259,processed_pseudogene	-2.707285	0.0228964
ENSMUSG00000129312.1,ENSMUSG00000129312,lncRNA	-2.80698	0.0366773
ENSMUSG00000121575.1,ENSMUSG00000121575,protein_co	-2.849488	0.0071721
ENSMUSG00000000889.9,Dbh,protein_coding	-2.916766	0.0219389
ENSMUSG00000012520.11,Phox2b,protein_coding	-2.980123	0.0120381

ENSMUSG00000094497.2,Gm8210,processed_pseudogene	-3.088758	0.0279437
ENSMUSG00000031965.16,Tbx20,protein_coding	-3.176124	0.0093021
ENSMUSG00000026468.15,Lhx4,protein_coding	-3.204916	0.0138519
ENSMUSG00000033852.17,Gm28042,protein_coding	-3.333973	0.0023489
ENSMUSG00000082691.7,Dynlt1-ps1,processed_pseudogene	-3.391754	0.003024
ENSMUSG00000055368.15,Slc6a2,protein_coding	-3.751056	0.0147412
ENSMUSG00000081604.6,Gm11518,processed_pseudogene	-4.084272	0.0016634
ENSMUSG00000105843.3,Gm19439,TEC	-4.254906	0.03234
ENSMUSG00000102422.2,Iqschfp,protein_coding	-4.862345	0.0022114
ENSMUSG00000078898.11,Zfp968,protein_coding	-5.097061	0.0108659

Supplementary Table 3

	logFC	P.Value
ENSMUSG00000085791.5,Rpl30-ps9,processed_pseudogene	4.80654244	0.0353138
ENSMUSG00000095648.9,Gm2004,protein_coding	4.67132295	0.0252151
ENSMUSG00000038253.7,Hoxa5,protein_coding	4.02557566	0.037773
ENSMUSG00000096265.3,Potefam3e,protein_coding	3.87174522	0.0047277
ENSMUSG00000056648.7,Hoxb8,protein_coding	3.68283864	0.0512074
ENSMUSG00000114102.2,Gm48048,processed_pseudogene	3.4950132	0.0120597
ENSMUSG00000038700.5,Hoxb5,protein_coding	3.36390237	0.1490649
ENSMUSG00000103593.2,Gm37352,TEC	3.32617931	0.0219358
ENSMUSG00000075707.7,Dio3,protein_coding	3.21941324	0.0035928
ENSMUSG00000064201.9,Krt2,protein_coding	3.09680597	0.0065014
ENSMUSG00000086583.6,Gm15500,transcribed_processed_pseudogene	3.06323698	0.5545928
ENSMUSG00000030724.8,Cd19,protein_coding	3.03120158	0.3811755
ENSMUSG00000000690.6,Hoxb6,protein_coding	2.98060578	0.0849364
ENSMUSG00000105906.2,Iglc1,IG_C_gene	2.94268298	0.2980702
ENSMUSG00000078894.10,2210418O10Rik,protein_coding	2.89498506	0.0559329
ENSMUSG00000048763.12,Hoxb3,protein_coding	2.89290264	0.1103845
ENSMUSG00000079560.14,Hoxa3,protein_coding	2.85706519	0.0621774
ENSMUSG00000075394.5,Hoxc4,protein_coding	2.83059647	0.0726391
ENSMUSG00000135935.1,ENSMUSG00000135935,lncRNA	2.57574612	0.1188558
ENSMUSG00000064666.3,Snora52,snoRNA	2.54170599	0.0396146
ENSMUSG00000094103.3,Fam177a2,protein_coding	2.52341329	0.7066672
ENSMUSG00000092412.2,Gm20507,lncRNA	2.49162674	0.2331633
ENSMUSG00000084844.6,Hoxb3os,lncRNA	2.47570755	0.0927106
ENSMUSG00000115018.3,Ndor1,protein_coding	2.43231941	0.1611217
ENSMUSG00000079277.10,Hoxd3,protein_coding	2.41351114	0.1395473
ENSMUSG00000048106.9,4632415L05Rik,transcribed_unprocessed_pseudo	2.40905609	0.1345177
ENSMUSG00000121577.1,ENSMUSG00000121577,protein_coding	2.40753803	0.1835207
ENSMUSG00000121171.2,Gm54112,lncRNA	2.38665846	0.1613511
ENSMUSG00000123401.1,ENSMUSG00000123401,lncRNA	2.37691415	0.0077392
ENSMUSG00002076250.1,Scarna3b,scaRNA	2.36974384	0.0791976
ENSMUSG00002075188.1,Gm55936,miRNA	2.35522892	0.0183645
ENSMUSG00002076173.1,Gm55118,miRNA	2.35522892	0.0183645
ENSMUSG00000094370.9,Gm3373,protein_coding	2.35084498	0.0642354
ENSMUSG00000121633.1,ENSMUSG00000121633,lncRNA	2.33744038	0.00367
ENSMUSG00000038692.9,Hoxb4,protein_coding	2.28880714	0.0977912
ENSMUSG00000105843.3,Gm19439,TEC	2.28254861	0.1931648
ENSMUSG00000069303.8,H2bc24,protein_coding	2.26893994	0.1502169
ENSMUSG00000069014.6,Gm5641,transcribed_processed_pseudogene	2.2517224	0.1244795
ENSMUSG00000000942.11,Hoxa4,protein_coding	2.24794711	0.0915581
ENSMUSG00000006310.11,Zbtb32,protein_coding	2.24431804	0.3000946
ENSMUSG00000056836.9,Pin4-ps,processed_pseudogene	2.21531823	0.0632004
ENSMUSG00000059994.11,Fcrl1,protein_coding	2.19831263	0.5613585
ENSMUSG00000091754.9,Gm3636,transcribed_unprocessed_pseudogene	2.19045909	0.0389806
ENSMUSG00000100658.4,F730311O21Rik,lncRNA	2.18954041	0.1047077
ENSMUSG00000085843.3,Kank4os,lncRNA	2.16418769	0.2225095
ENSMUSG00000126291.1,ENSMUSG00000126291,lncRNA	2.16268974	0.342761
ENSMUSG00000064193.9,Gm4735,transcribed_processed_pseudogene	2.14631657	0.6927354
ENSMUSG00000065061.3,Gm22884,snoRNA	2.14197299	0.1744447
ENSMUSG00000095195.9,Gm3005,protein_coding	2.14001356	0.0922894
ENSMUSG00002074875.1,Snord3a,snoRNA	2.07808699	0.4690662
ENSMUSG00000133441.1,Gm51792,lncRNA	2.05242856	0.2753864

ENSMUSG00000026969.4,Cimip2a,protein_coding	2.0337902	0.3331564
ENSMUSG00000099974.2,Bcl2a1d,protein_coding	2.02890549	0.3251206
ENSMUSG00000094497.2,Gm8210,processed_pseudogene	2.01977755	0.2354224
ENSMUSG00000050921.13,P2ry10,protein_coding	2.00945156	0.5246759
ENSMUSG00000067724.6,Gbx1,protein_coding	2.00765744	0.0345834
ENSMUSG00000074461.4,Gm10699,TEC	2.00094802	0.4063331
ENSMUSG00000134912.1,ENSMUSG00000134912,lncRNA	1.99970162	0.2966143
ENSMUSG00000026976.16,Pax8,protein_coding	1.93463595	0.1530014
ENSMUSG00000075588.7,Hoxb2,protein_coding	1.9191526	0.17397
ENSMUSG00000113392.2,Gm36262,processed_pseudogene	1.91521397	0.0265026
ENSMUSG00000125484.1,ENSMUSG00000125484,lncRNA	1.87228341	0.2361526
ENSMUSG00000084033.4,Gm7645,processed_pseudogene	1.87126187	0.0049091
ENSMUSG00000077564.3,Gm23202,snoRNA	1.84915725	0.1264252
ENSMUSG00000087658.4,Hotairm1,lncRNA	1.83040776	0.094293
ENSMUSG00000044211.10,Gm7887,transcribed_processed_pseudogene	1.77522761	0.2922212
ENSMUSG00000128598.1,ENSMUSG00000128598,lncRNA	1.7745826	0.550757
ENSMUSG00000090254.9,Gm1965,lncRNA	1.77232634	0.451541
ENSMUSG00000066543.9,Rpl17-ps9,processed_pseudogene	1.7337252	0.2335124
ENSMUSG00000020279.11,Il9r,protein_coding	1.73188751	0.7560546
ENSMUSG00000123923.1,ENSMUSG00000123923,lncRNA	1.72933594	0.2524208
ENSMUSG00000032291.9,Crabp1,protein_coding	1.72923983	0.0510094
ENSMUSG00000114172.2,Gm36298,transcribed_processed_pseudogene	1.72658946	0.5223218
ENSMUSG00000139292.1,ENSMUSG00000139292,lncRNA	1.71903046	0.0217768
ENSMUSG00000091736.4,Yy2,protein_coding	1.71464987	0.1971521
ENSMUSG00000090105.4,Gm15890,lncRNA	1.700177	0.3205721
ENSMUSG00000019913.5,Sim1,protein_coding	1.68414606	0.3546667
ENSMUSG00000110275.2,Gm5905,transcribed_processed_pseudogene	1.67382924	0.1200686
ENSMUSG00000125057.1,ENSMUSG00000125057,lncRNA	1.66051551	0.0207733
ENSMUSG00000034266.7,Batf,protein_coding	1.64791327	0.4854186
ENSMUSG00000024673.10,Ms4a1,protein_coding	1.64107869	0.7559238
ENSMUSG00000076614.8,Ighg1,IG_C_gene	1.63733005	0.5220675
ENSMUSG00000132257.1,ENSMUSG00000132257,lncRNA	1.6276724	0.4494796
ENSMUSG00000098789.8,Jmjd7,protein_coding	1.626524	0.0235441
ENSMUSG00000087501.3,Gm12116,lncRNA	1.61983332	0.2736594
ENSMUSG00000083558.2,Gm12896,processed_pseudogene	1.61964483	0.1050288
ENSMUSG00000119262.1,Snord3b1,snoRNA	1.61378048	0.0627381
ENSMUSG00000119648.1,Snord3b3,snoRNA	1.61378048	0.0627381
ENSMUSG00000119851.1,Snord3b4,snoRNA	1.61378048	0.0627381
ENSMUSG00000119761.1,Snord3b2,snoRNA	1.61378048	0.0627381
ENSMUSG00000126254.1,ENSMUSG00000126254,lncRNA	1.60813835	0.6140135
ENSMUSG00000141856.1,ENSMUSG00000141856,lncRNA	1.58656744	0.6513809
ENSMUSG00000127874.1,ENSMUSG00000127874,lncRNA	1.57142859	0.0004318
ENSMUSG00000114608.5,Gm36161,lncRNA	1.5649163	0.2648333
ENSMUSG00000039728.16,Slc6a5,protein_coding	1.56472818	0.1140208
ENSMUSG00000139889.1,ENSMUSG00000139889,lncRNA	1.55983872	0.1449514
ENSMUSG00000042377.9,Fam83g,protein_coding	1.555492	0.2617306
ENSMUSG00000122330.1,ENSMUSG00000122330,lncRNA	1.5547158	0.15853
ENSMUSG00000041202.13,Pla2g2d,protein_coding	1.55273061	0.1283736
ENSMUSG00000099998.2,Gm6501,processed_pseudogene	1.55107165	0.0974079
ENSMUSG00000094932.9,Gm2007,protein_coding	1.54058305	0.3375944
ENSMUSG00000117786.3,Gm10503,lncRNA	1.52094711	0.0549074
ENSMUSG00000119738.1,Gm26465,snRNA	1.5172039	0.2824061

ENSMUSG00000118936.1,Gm22614,snRNA	1.50256646	0.9117165
ENSMUSG00000135257.1,ENSMUSG00000135257,lncRNA	1.50167815	0.3817628
ENSMUSG00000119860.1,Gm23305,snoRNA	1.47716812	0.1759984
ENSMUSG00000014704.11,Hoxa2,protein_coding	1.47170556	0.2133965
ENSMUSG00000121820.2,1700028E11Rik,lncRNA	1.47166642	0.1476691
ENSMUSG00000074482.6,Gm16589,transcribed_processed_pseudogene	1.46864678	0.1807373
ENSMUSG00000081593.2,Gm11841,processed_pseudogene	1.46484413	0.1548819
ENSMUSG00000082029.2,H3f3c,processed_pseudogene	1.46320884	0.2434074
ENSMUSG00000136592.1,ENSMUSG00000136592,lncRNA	1.45962441	0.6528245
ENSMUSG00000117809.2,Asdurf,protein_coding	1.45233469	0.2075753
ENSMUSG00000128875.1,ENSMUSG00000128875,lncRNA	1.4505026	0.5844862
ENSMUSG00000130847.1,ENSMUSG00000130847,lncRNA	1.44878915	0.0894415
ENSMUSG00000115280.2,Gm7107,processed_pseudogene	1.44865109	0.0038827
ENSMUSG00000099764.2,Rps10-ps2,processed_pseudogene	1.43645296	0.1456796
ENSMUSG00000105461.2,Gm4742,processed_pseudogene	1.43565569	0.0968777
ENSMUSG00000065232.3,Gm22973,snRNA	1.42630436	0.0350023
ENSMUSG00000030167.16,Klrc1,protein_coding	1.42623736	0.3198415
ENSMUSG00000058625.7,Gm17383,processed_pseudogene	1.42321099	0.058693
ENSMUSG00000036357.6,Gpr101,protein_coding	1.41688217	0.0017058
ENSMUSG00000054892.15,Txk,protein_coding	1.41335838	0.218417
ENSMUSG00000091957.6,Rps2-ps10,transcribed_processed_pseudogene	1.41335807	0.742498
ENSMUSG00000121572.1,ENSMUSG00000121572,protein_coding	1.40876101	0.3408214
ENSMUSG00000044664.8,Prss42,protein_coding	1.40671786	0.4410299
ENSMUSG00000021675.5,F2rl2,protein_coding	1.40312319	0.002944
ENSMUSG00000129577.1,ENSMUSG00000129577,lncRNA	1.38969294	0.6328847
ENSMUSG00000022659.14,Gcsam,protein_coding	1.38964896	0.7360678
ENSMUSG00000118119.3,Gm9937,lncRNA	1.38628379	0.0699663
ENSMUSG00000119740.1,Gm24100,snoRNA	1.38452883	0.18347
ENSMUSG00000095526.3,Gm10243,transcribed_processed_pseudogene	1.36554242	0.5651976
ENSMUSG00000058492.7,Scp2-ps2,transcribed_unprocessed_pseudogene	1.36242197	0.227313
ENSMUSG00000128213.1,ENSMUSG00000128213,lncRNA	1.35727823	0.1163876
ENSMUSG00000115431.2,Gm3219,processed_pseudogene	1.35490333	0.1104983
ENSMUSG00000142908.1,ENSMUSG00000142908,lncRNA	1.34626268	0.2514378
ENSMUSG00000044303.7,Cdkn2a,protein_coding	1.34321399	0.6998312
ENSMUSG00000032053.9,Pou2af1,protein_coding	1.34151876	0.8062121
ENSMUSG00000071178.12,Serpina1b,protein_coding	1.33906239	0.0866371
ENSMUSG00000074939.4,Chrm5,protein_coding	1.33856998	0.0940746
ENSMUSG00000093726.2,Gm20667,lncRNA	1.33784854	0.352461
ENSMUSG00000121644.1,ENSMUSG00000121644,lncRNA	1.33111179	0.2181006
ENSMUSG00000024939.7,Fam89b,protein_coding	1.33024646	0.0906123
ENSMUSG00000062727.5,H2bc12,protein_coding	1.32996619	0.5376017
ENSMUSG00000119403.1,Gm22265,snRNA	1.32947891	0.6201517
ENSMUSG00000081771.2,Gm15381,processed_pseudogene	1.32546547	0.0040252
ENSMUSG00000131140.1,ENSMUSG00000131140,lncRNA	1.3115011	0.2721963
ENSMUSG00000110266.2,Gm32742,protein_coding	1.3088362	0.6411177
ENSMUSG00000100774.2,Gm7329,processed_pseudogene	1.30697676	0.0953166
ENSMUSG00000121878.2,Zim3,lncRNA	1.30635279	0.0165079
ENSMUSG00000006204.8,Cdcp3,protein_coding	1.30491029	0.1382503
ENSMUSG00000126752.1,ENSMUSG00000126752,lncRNA	1.30202039	0.1056067
ENSMUSG00000031965.16,Tbx20,protein_coding	1.29849803	0.4099377
ENSMUSG00000109028.2,Gm35842,lncRNA	1.28777916	0.0359109
ENSMUSG00000074397.6,Foxr1,protein_coding	1.28400809	0.6383448

ENSMUSG00000108330.2,Gm44882,TEC	1.28266737	0.0432044
ENSMUSG00000031212.4,Pgr15l,protein_coding	1.28059337	0.1142382
ENSMUSG00000139722.1,ENSMUSG00000139722,lncRNA	1.27961313	0.3240638
ENSMUSG00000105053.2,Gm43064,protein_coding	1.2756343	0.1928948
ENSMUSG00000046591.11,Ticrr,protein_coding	1.27448283	0.5761187
ENSMUSG00000041730.15,Drgx,protein_coding	1.27264357	0.3002754
ENSMUSG00000032358.13,Fam83b,protein_coding	1.26969647	0.2567063
ENSMUSG00000137972.1,ENSMUSG00000137972,lncRNA	1.26372557	0.5914733
ENSMUSG00000051079.9,Rgs13,protein_coding	1.26244875	0.7240043
ENSMUSG00000106147.3,Snord3a,snoRNA	1.26191245	0.1728723
ENSMUSG00000042474.7,Fcmr,protein_coding	1.26095313	0.801533
ENSMUSG00000110720.2,Gm46223,processed_pseudogene	1.25929015	0.4778929
ENSMUSG00000062007.14,Hsh2d,protein_coding	1.25880926	0.4376594
ENSMUSG00000024907.8,Gal,protein_coding	1.25822002	0.2424641
ENSMUSG00000114196.3,Gm47547,lncRNA	1.25569588	0.474696
ENSMUSG00000078721.2,Spata31f1a,protein_coding	1.25469861	0.2297086
ENSMUSG00000079192.3,ENSMUSG00000079192,protein_coding	1.24604994	0.6227844
ENSMUSG00000079173.12,Zan,protein_coding	1.24594949	0.0376301
ENSMUSG00000142334.1,ENSMUSG00000142334,lncRNA	1.24536787	0.0146355
ENSMUSG00000076937.4,Iglc2,IG_C_gene	1.24195596	0.7408856
ENSMUSG00000085176.2,Gm15397,lncRNA	1.24174149	0.0165082
ENSMUSG00000059060.16,Rad51b,protein_coding	1.23748365	0.2512349
ENSMUSG00000025216.10,Lbx1,protein_coding	1.23563156	0.0221642
ENSMUSG00000109450.3,Gm39043,lncRNA	1.23143721	0.2004407
ENSMUSG00000052631.17,Sh2d6,protein_coding	1.22660589	0.254317
ENSMUSG00000113555.2,Gm10095,processed_pseudogene	1.22559823	0.4472182
ENSMUSG00000104332.2,Gm38283,TEC	1.22435006	0.0372114
ENSMUSG00000086646.10,Platr20,lncRNA	1.22299134	0.58733
ENSMUSG00000027326.14,Knl1,protein_coding	1.22171266	0.5807385
ENSMUSG00000116947.4,2410003I16Rik,lncRNA	1.21824433	0.6440634
ENSMUSG00000049396.7,Gemin4,protein_coding	1.21798841	0.0898662
ENSMUSG00000044453.6,Ffar1,protein_coding	1.21599804	0.7387395
ENSMUSG00000106218.2,Gm43713,lncRNA	1.21546661	0.5188864
ENSMUSG00000128209.1,ENSMUSG00000128209,lncRNA	1.21172196	0.345527
ENSMUSG00000103543.2,Gm37669,TEC	1.20977746	0.0338407
ENSMUSG00000069267.3,H3c2,protein_coding	1.20903056	0.5695586
ENSMUSG00000098055.4,Gm26947,lncRNA	1.2075289	0.2580782
ENSMUSG00000085578.3,Gm11527,lncRNA	1.2037172	0.067003
ENSMUSG00000079457.12,Gm7609,protein_coding	1.19878143	0.6120018
ENSMUSG00000121016.2,Gm41818,lncRNA	1.19788051	0.3131458
ENSMUSG00000043931.11,Gimap7,protein_coding	1.18811565	0.5595973
ENSMUSG00000045826.10,Ptprcap,protein_coding	1.17663176	0.2141147
ENSMUSG00000091243.3,Vgll3,protein_coding	1.17269006	0.0166504
ENSMUSG00000056130.11,Ticam2,protein_coding	1.1703989	0.503125
ENSMUSG00000054986.14,Sec14l3,protein_coding	1.16997607	0.1716829
ENSMUSG00000107481.2,4833403J16Rik,lncRNA	1.16064374	0.4668889
ENSMUSG00000085244.9,Spag17os,lncRNA	1.14777897	0.1408542
ENSMUSG00000022705.6,Drd3,protein_coding	1.14626252	0.3775141
ENSMUSG00000061259.12,Tmprss11d,protein_coding	1.13954714	0.3642843
ENSMUSG00000127251.1,ENSMUSG00000127251,lncRNA	1.1385968	0.5774766
ENSMUSG00000026285.9,Pdcd1,protein_coding	1.13664466	0.5229833
ENSMUSG00000097203.5,4732419C18Rik,lncRNA	1.13440928	0.1341775

ENSMUSG00000056023.5,Gm9989,lncRNA	1.13305274	0.5704029
ENSMUSG00000107097.2,Gm42584,processed_pseudogene	1.12914744	0.0329133
ENSMUSG00000101174.9,Hoxd4,protein_coding	1.12514271	0.5127897
ENSMUSG00000110146.2,Gm45487,TEC	1.1189312	0.196965
ENSMUSG00000095609.4,Anxa2r1,protein_coding	1.1159342	0.6173661
ENSMUSG00000106914.2,Gm42854,lncRNA	1.11455999	0.0601977
ENSMUSG00000119640.1,Gm24871,snRNA	1.11283626	0.2988862
ENSMUSG00000114470.2,Gm49395,protein_coding	1.11251942	0.0674342
ENSMUSG00000081872.2,Gm15572,processed_pseudogene	1.10615041	0.0629652
ENSMUSG00000120055.2,Gm39150,lncRNA	1.10152822	0.0214072
ENSMUSG00000004709.15,Cd244a,protein_coding	1.09978595	0.2026838
ENSMUSG00000123845.1,ENSMUSG00000123845,lncRNA	1.09942376	0.0716555
ENSMUSG00000110862.3,Gm35835,lncRNA	1.09788304	0.0170511
ENSMUSG00000096225.8,Lhx8,protein_coding	1.09735975	0.4338599
ENSMUSG00000080365.3,Gm25776,snoRNA	1.09671428	0.2609687
ENSMUSG00000123251.1,ENSMUSG00000123251,lncRNA	1.09442795	0.5803242
ENSMUSG00000064837.3,Snora75,snoRNA	1.0932827	0.2597632
ENSMUSG00000112666.3,Gm48485,lncRNA	1.09095078	0.0851506
ENSMUSG00000064390.3,Snord73b,snoRNA	1.09054232	0.3344555
ENSMUSG00000079033.11,Mef2b,protein_coding	1.09033643	0.7363607
ENSMUSG00000000263.16,Glra1,protein_coding	1.08717917	0.2282021
ENSMUSG00000142101.1,ENSMUSG00000142101,lncRNA	1.08434047	0.0468996
ENSMUSG00000111862.2,Gm47828,lncRNA	1.08340737	0.7929459
ENSMUSG00000124997.1,ENSMUSG00000124997,lncRNA	1.07897	0.0718092
ENSMUSG00000079224.6,Gm6565,processed_pseudogene	1.07777416	0.7053516
ENSMUSG00000001815.16,Evx2,protein_coding	1.07717326	0.27629
ENSMUSG00000036223.17,Ska1,protein_coding	1.07448207	0.5560186
ENSMUSG00000005947.12,Itgae,protein_coding	1.07241042	0.2277768
ENSMUSG00000133423.1,ENSMUSG00000133423,lncRNA	1.07194859	0.096276
ENSMUSG00000119734.1,Gm25021,snRNA	1.06576699	0.574215
ENSMUSG00000058470.11,Gm8369,protein_coding	1.06526778	0.6378377
ENSMUSG00000026358.14,Rgs1,protein_coding	1.0651582	0.5923416
ENSMUSG00000085442.2,Gm3362,processed_pseudogene	1.05888744	0.4200705
ENSMUSG00000115699.4,Gm6961,lncRNA	1.05727311	0.0597207
ENSMUSG00000085201.3,Nr6a1os,lncRNA	1.05509267	0.3066478
ENSMUSG00000038765.15,Lmx1b,protein_coding	1.05368454	0.2453541
ENSMUSG00000118871.1,Gm23511,snRNA	1.05193785	0.0722298
ENSMUSG00000112906.2,Gm18189,processed_pseudogene	1.05091929	0.1014272
ENSMUSG00000137576.1,ENSMUSG00000137576,lncRNA	1.05065717	0.0796048
ENSMUSG00000040084.10,Bub1b,protein_coding	1.05003008	0.7197996
ENSMUSG00000085908.2,Gm14209,lncRNA	1.04984531	0.1078519
ENSMUSG00000114456.2,H2bc9,protein_coding	1.04754143	0.4081128
ENSMUSG00000038236.9,Hoxa7,protein_coding	1.0466297	0.6328504
ENSMUSG00000076940.4,Iglv2,IG_V_gene	1.0445292	0.7241719
ENSMUSG00000125575.1,ENSMUSG00000125575,lncRNA	1.04252633	0.4878248
ENSMUSG00000048922.19,Cdca2,protein_coding	1.04097553	0.5759241
ENSMUSG00000110631.3,Gm42047,lncRNA	1.03779198	0.4908892
ENSMUSG00000132453.1,ENSMUSG00000132453,lncRNA	1.03735612	0.1368392
ENSMUSG00000131967.1,ENSMUSG00000131967,lncRNA	1.03627128	0.0268801
ENSMUSG00000080078.3,Gm15583,transcribed_processed_pseudogene	1.03566539	0.218861
ENSMUSG00000121044.2,Gm57169,lncRNA	1.03473079	0.6858679
ENSMUSG00000120039.2,Gm56759,lncRNA	1.03221109	0.0237073

ENSMUSG00000069308.8,H2bc22,protein_coding	1.03045553	0.6291566
ENSMUSG00000047798.16,Cd300lf,protein_coding	1.02301929	0.4922236
ENSMUSG00000084807.3,Gm13073,lncRNA	1.0214486	0.5150685
ENSMUSG00000046338.5,Gpat2,protein_coding	1.01879776	0.2757851
ENSMUSG00000137107.1,ENSMUSG00000137107,lncRNA	1.01719656	0.0084928
ENSMUSG00000115936.4,4833415N18Rik,lncRNA	1.01684518	0.2575015
ENSMUSG00000085611.4,Ap3s1-ps1,processed_pseudogene	1.01312785	0.2506098
ENSMUSG00000067642.12,Adgrf3,protein_coding	1.01040686	0.7177434
ENSMUSG00000073125.11,Xlr3b,protein_coding	1.00892789	0.3648612
ENSMUSG00000119668.1,Gm23472,snRNA	1.00648555	0.0986014
ENSMUSG00000119838.1,Gm23444,snRNA	1.00648555	0.0986014
ENSMUSG00000136791.1,ENSMUSG00000136791,lncRNA	1.00450796	0.045899
ENSMUSG00000064682.3,Gm25813,snRNA	1.00136252	0.1147404
ENSMUSG00000137029.1,ENSMUSG00000137029,lncRNA	1.00041681	0.1618728
ENSMUSG00000142237.1,ENSMUSG00000142237,lncRNA	0.99927434	0.4242138
ENSMUSG00000086020.3,Gm12239,lncRNA	0.99813204	0.0257951
ENSMUSG00000142867.1,ENSMUSG00000142867,lncRNA	0.99772074	0.0718477
ENSMUSG00000132389.1,ENSMUSG00000132389,lncRNA	0.99678532	0.0952115
ENSMUSG00000052013.16,Btla,protein_coding	0.99468385	0.7399062
ENSMUSG00000097993.9,Ptprv,protein_coding	0.99390313	0.2200914
ENSMUSG00000021765.10,Fst,protein_coding	0.99343026	0.0688709
ENSMUSG00000093413.3,Snora15,snoRNA	0.99281964	0.3259911
ENSMUSG00000123580.1,ENSMUSG00000123580,lncRNA	0.99275231	0.4762392
ENSMUSG00000076612.9,Ighg2c,IG_C_gene	0.99232322	0.8459596
ENSMUSG00000122408.1,ENSMUSG00000122408,lncRNA	0.99193875	0.1954736
ENSMUSG00000081058.6,H3c15,protein_coding	0.99068535	0.5364373
ENSMUSG00000103776.2,2900035J10Rik,TEC	0.98936732	0.1737635
ENSMUSG00000108053.2,Gm43890,TEC	0.98706093	0.0407384
ENSMUSG00000097927.3,Gm6999,lncRNA	0.98448356	0.0075507
ENSMUSG00000119705.1,Gm23933,snoRNA	0.9825172	0.2497467
ENSMUSG00000129937.1,ENSMUSG00000129937,lncRNA	0.98146308	0.0693997
ENSMUSG00000118997.1,Gm23767,snoRNA	0.97992218	0.5569904
ENSMUSG00000121730.2,ENSMUSG00000121730,lncRNA	0.97700694	0.5538669
ENSMUSG00000009092.6,Derl3,protein_coding	0.97546972	0.2245789
ENSMUSG00000106631.3,Gm42669,protein_coding	0.97363036	0.1331446
ENSMUSG00000124722.1,ENSMUSG00000124722,lncRNA	0.97358302	0.0251758
ENSMUSG00000115969.2,Gm46519,lncRNA	0.97353053	0.5480591
ENSMUSG00000020566.20,Atp6v1c2,protein_coding	0.97305969	0.3500287
ENSMUSG00000051980.14,Casr,protein_coding	0.97115051	0.3403862
ENSMUSG00000092887.3,Snord53,snoRNA	0.97050516	0.1172042
ENSMUSG00000059461.8,Gm7331,processed_pseudogene	0.96689884	0.4545709
ENSMUSG00000118828.1,Gm26488,snoRNA	0.96675301	0.4213756
ENSMUSG00000119773.1,Gm24220,snoRNA	0.96675301	0.4213756
ENSMUSG00000021702.8,Thbs4,protein_coding	0.96309846	0.0741086
ENSMUSG00000130626.1,ENSMUSG00000130626,lncRNA	0.95962176	0.4888671
ENSMUSG00000107928.2,Gm45140,protein_coding	0.95939212	0.370957
ENSMUSG00000020897.13,Aurkb,protein_coding	0.95761359	0.7282784
ENSMUSG00000031340.9,Gabre,protein_coding	0.95712367	0.1587913
ENSMUSG00000056445.9,Hoxaas2,lncRNA	0.95474105	0.4614363
ENSMUSG00000026011.14,Ctla4,protein_coding	0.9546962	0.5450993
ENSMUSG00000038760.15,Trhr,protein_coding	0.95154165	0.0147434
ENSMUSG00000094707.5,A830019P07Rik,lncRNA	0.9514209	0.209318

ENSMUSG00000063623.6,C230062I16Rik,transcribed_unprocessed_pseudog	0.94964268	0.5673412
ENSMUSG00000117975.2,Itprip,protein_coding	0.946837	0.2001159
ENSMUSG00000043088.17,Il17re,protein_coding	0.94583345	0.1308039
ENSMUSG00000067235.15,H2-Q10,protein_coding	0.94524957	0.3709856
ENSMUSG00000108391.2,Gm9768,TEC	0.94253656	0.1392181
ENSMUSG00000102997.2,Gm17244,TEC	0.94133012	0.0242491
ENSMUSG00000118341.2,Gm50252,lncRNA	0.94103515	0.6092025
ENSMUSG00000112112.4,Gm48508,lncRNA	0.93796794	0.0611878
ENSMUSG00000136525.1,ENSMUSG00000136525,lncRNA	0.93628503	0.2961006
ENSMUSG00000142392.1,ENSMUSG00000142392,lncRNA	0.93576588	0.2368923
ENSMUSG00000012520.11,Phox2b,protein_coding	0.93501702	0.5346013
ENSMUSG00000079445.4,B3gnt7,protein_coding	0.93079782	0.1850046
ENSMUSG00000076934.3,Iglv1,IG_V_gene	0.92808992	0.7036366
ENSMUSG00000065862.3,Gm24029,snoRNA	0.92662519	0.1974255
ENSMUSG00000050106.19,Tmc8,protein_coding	0.92649325	0.5133783
ENSMUSG00000107086.2,Gm43808,TEC	0.92642371	0.3261539
ENSMUSG00000015966.18,Il17rb,protein_coding	0.92451876	0.1451347
ENSMUSG00000022026.8,Olfm4,protein_coding	0.92410629	0.0557025
ENSMUSG00000100876.2,2810454H06Rik,lncRNA	0.92372578	0.0499579
ENSMUSG00000085925.4,Rtl1,protein_coding	0.9233978	0.02476
ENSMUSG00000006219.13,Fblim1,protein_coding	0.92318264	0.0521007
ENSMUSG00000031861.17,Lpar2,protein_coding	0.91972288	0.106658
ENSMUSG00000042320.18,Prox2,protein_coding	0.9194637	0.0206873
ENSMUSG00000094955.3,Gm3699,transcribed_processed_pseudogene	0.91796356	0.3583559
ENSMUSG00000085562.9,2610028E06Rik,lncRNA	0.9169816	0.202455
ENSMUSG00000142831.1,ENSMUSG00000142831,lncRNA	0.91495711	0.6579178
ENSMUSG00000078954.11,Arhgap8,protein_coding	0.91471863	0.6077241
ENSMUSG00000032511.18,Scn5a,protein_coding	0.91384847	0.1067426
ENSMUSG00000110652.3,Gm33023,lncRNA	0.91154246	0.0301998
ENSMUSG00000118876.1,Rnu1b1,snRNA	0.91117579	0.6828965
ENSMUSG00000042489.16,Clspn,protein_coding	0.90961999	0.4117045
ENSMUSG00000113868.3,Gm34719,lncRNA	0.907326	0.275692
ENSMUSG00000092674.5,Gm24105,misc_RNA	0.90700623	0.1115373
ENSMUSG00000030669.14,Calca,protein_coding	0.9062703	0.3627941
ENSMUSG00000096696.2,Zfp960,protein_coding	0.90453149	0.0436423
ENSMUSG00000058818.14,Pirb,protein_coding	0.90209961	0.3964012
ENSMUSG00000026247.14,Ecel1,protein_coding	0.90032969	0.0966523
ENSMUSG00000101086.4,Gm28651,lncRNA	0.90008907	0.1809397
ENSMUSG00000108421.2,Gm44718,lncRNA	0.89950762	0.1510408
ENSMUSG00000064941.3,Gm23238,snRNA	0.89899555	0.1333759
ENSMUSG00000109021.3,Gm44812,lncRNA	0.89845371	0.0579716
ENSMUSG00000024672.12,Ms4a7,protein_coding	0.89700289	0.3918004
ENSMUSG00000040328.18,Or2v1,protein_coding	0.89648101	0.5911619
ENSMUSG00000064540.3,Snord42a,snoRNA	0.89477432	0.4173987
ENSMUSG00000087035.2,Tmem74bos,protein_coding	0.89422788	0.0668051
ENSMUSG00000091534.3,Gm17195,processed_pseudogene	0.89348279	0.0537118
ENSMUSG00000105128.2,Gm42870,TEC	0.89193802	0.7917938
ENSMUSG00000113986.3,Gm31333,lncRNA	0.89001404	0.0125338
ENSMUSG00000104476.2,Gm38211,TEC	0.88994958	0.0659114
ENSMUSG00000105703.4,Gm43305,lncRNA	0.88967297	0.6835203
ENSMUSG00000041538.17,H2-Ob,protein_coding	0.88946537	0.7236336
ENSMUSG00000022504.11,Ciita,protein_coding	0.88850736	0.6448984

ENSMUSG00000052477.16,Sp140l2,protein_coding	0.88762015	0.8287197
ENSMUSG00000027246.13,Ell3,protein_coding	0.88534492	0.8100819
ENSMUSG00000021356.11,Irf4,protein_coding	0.88533904	0.6536528
ENSMUSG00000108322.5,5430431A17Rik,lncRNA	0.88205661	0.0127521
ENSMUSG00000073640.4,Rpl27-ps3,processed_pseudogene	0.88108247	0.5473677
ENSMUSG00000132112.1,ENSMUSG00000132112,lncRNA	0.88104723	0.568545
ENSMUSG00000052951.7,C130021I20Rik,lncRNA	0.8809374	0.2746589
ENSMUSG00000091587.2,Gm17191,lncRNA	0.87792936	0.1342114
ENSMUSG00000040828.11,Catsperd,protein_coding	0.87675013	0.2675778
ENSMUSG00000093577.3,Gm20632,lncRNA	0.87394863	0.0384563
ENSMUSG00000119227.1,Gm25099,snRNA	0.87360649	0.3585945
ENSMUSG00000056148.9,Rdh9,protein_coding	0.8711049	0.4438011
ENSMUSG00000116207.2,Nnt,protein_coding	0.87091174	0.5600186
ENSMUSG00000119432.1,Snord50b,snoRNA	0.87089681	0.2189491
ENSMUSG00000119491.1,Gm26135,snoRNA	0.87089681	0.2189491
ENSMUSG00000102577.2,Gm37969,TEC	0.8707298	0.0178895
ENSMUSG00000119286.1,Rnu5g,snRNA	0.87004933	0.3921344
ENSMUSG00000073530.12,Pappa2,protein_coding	0.86852366	0.0194649
ENSMUSG00000121649.1,ENSMUSG00000121649,lncRNA	0.86843282	0.2908779
ENSMUSG00000090006.3,Gm16227,lncRNA	0.86777072	0.0290858
ENSMUSG00000113601.2,Gm48735,TEC	0.8671198	0.0340052
ENSMUSG00000134977.1,ENSMUSG00000134977,lncRNA	0.86663886	0.1434884
ENSMUSG00000102975.2,Gm37347,TEC	0.86233533	0.6066042
ENSMUSG00000022034.11,Esco2,protein_coding	0.86115214	0.7305969
ENSMUSG00000021032.14,Ngb,protein_coding	0.8582567	0.180458
ENSMUSG00000097615.4,Gm2061,lncRNA	0.85763267	0.0485641
ENSMUSG00000097055.4,Gm4419,lncRNA	0.85739899	0.1780245
ENSMUSG00000087107.10,Slfnlnc,lncRNA	0.85595141	0.8069546
ENSMUSG00000107894.2,Gm10388,TEC	0.85531652	0.3796828
ENSMUSG00000096233.2,Gm13238,processed_pseudogene	0.85483666	0.4160944
ENSMUSG00000048721.3,Fndc9,protein_coding	0.85473752	0.2129268
ENSMUSG00000125801.1,ENSMUSG00000125801,lncRNA	0.85288146	0.2173578
ENSMUSG00000109735.2,Gm45667,TEC	0.85233492	0.1483106
ENSMUSG00000055632.19,Hmcn2,protein_coding	0.84980178	0.2694786
ENSMUSG00000067149.7,Jchain,protein_coding	0.84921869	0.7649689
ENSMUSG00000065642.3,Snora69,snoRNA	0.84824676	0.3498104
ENSMUSG00000128922.1,ENSMUSG00000128922,lncRNA	0.84728361	0.1160795
ENSMUSG00000044633.6,B530045E10Rik,lncRNA	0.84715942	0.3546273
ENSMUSG00000134299.1,ENSMUSG00000134299,lncRNA	0.84635507	0.4155206
ENSMUSG00000040627.15,Aicda,protein_coding	0.84577985	0.8550659
ENSMUSG00000107126.3,Gm40289,lncRNA	0.84560339	0.5099217
ENSMUSG00000037337.12,Map4k1,protein_coding	0.84511152	0.646836
ENSMUSG00000064968.3,Snord47,snoRNA	0.84219006	0.4075398
ENSMUSG00000032611.10,1700102P08Rik,protein_coding	0.84017546	0.0092239
ENSMUSG00000058806.16,Col13a1,protein_coding	0.83935918	0.0077086
ENSMUSG00000021176.7,Efcab11,protein_coding	0.83917348	0.5954538
ENSMUSG00000028004.13,Npy2r,protein_coding	0.83901595	0.0318928
ENSMUSG00000040204.7,Pclaf,protein_coding	0.83842543	0.7369685
ENSMUSG00000060044.9,Tmem26,protein_coding	0.83836148	0.2503264
ENSMUSG00000064582.3,Gm25135,snRNA	0.83796925	0.3000958
ENSMUSG00000073000.5,Ppp1r36dn,lncRNA	0.83788492	0.6080406
ENSMUSG00000042737.10,Dpm3,protein_coding	0.83775775	0.071373

ENSMUSG00000121342.1,Gm52950,lncRNA	0.83616943	0.7302313
ENSMUSG00000119121.1,Gm25120,snoRNA	0.83575824	0.3174417
ENSMUSG00000140297.1,ENSMUSG00000140297,lncRNA	0.8356279	0.099568
ENSMUSG00000102224.7,4930447F24Rik,lncRNA	0.83553854	0.2302931
ENSMUSG00000038670.12,Mybpc2,protein_coding	0.83522019	0.4235048
ENSMUSG00000048138.11,Dmrt2,protein_coding	0.83372572	0.3085815
ENSMUSG00000080810.2,Gm11737,processed_pseudogene	0.83236416	0.1223775
ENSMUSG00000117234.2,Gm7818,transcribed_processed_pseudogene	0.83172429	0.3934062
ENSMUSG00000083902.3,Tent2-ps1,processed_pseudogene	0.82989776	0.0220568
ENSMUSG00000024027.9,Glp1r,protein_coding	0.82922541	0.1426819
ENSMUSG00000079391.11,Gm2974,protein_coding	0.8288702	0.4807041
ENSMUSG00000065629.4,Gm24826,snoRNA	0.82541048	0.2288037
ENSMUSG00000096449.3,Gm4076,processed_pseudogene	0.82507156	0.1543752
ENSMUSG00000081434.4,Gm14165,transcribed_processed_pseudogene	0.82476488	0.4464974
ENSMUSG00000119142.1,Gm23143,snRNA	0.82469682	0.3508531
ENSMUSG00000097806.5,Gm6556,lncRNA	0.82257326	0.1163282
ENSMUSG00000111361.2,Gm47445,TEC	0.82120013	0.1780463
ENSMUSG00000120092.2,Gm57162,lncRNA	0.8205059	0.1602731
ENSMUSG00000120290.2,Gm56959,lncRNA	0.82049519	0.0211675
ENSMUSG00000141517.1,ENSMUSG00000141517,lncRNA	0.81942523	0.2140209
ENSMUSG00000048502.15,Duxbl1,protein_coding	0.81873215	0.0808163
ENSMUSG00000056888.12,Glipr1,protein_coding	0.81846523	0.6884321
ENSMUSG00000143604.1,ENSMUSG00000143604,lncRNA	0.81739439	0.0572026
ENSMUSG00000085917.2,Gm15899,processed_pseudogene	0.81668008	0.617761
ENSMUSG00000111003.2,Gm47122,TEC	0.81622267	0.2289142
ENSMUSG00000099759.3,1700030C10Rik,lncRNA	0.81591663	0.0298487
ENSMUSG00000093686.2,Gm4705,processed_pseudogene	0.81173517	0.2279181
ENSMUSG00000130149.1,ENSMUSG00000130149,lncRNA	0.81127992	0.1196413
ENSMUSG00000103884.2,Gm37005,TEC	0.8112504	0.2119088
ENSMUSG00000003665.8,Has1,protein_coding	0.81071775	0.0632559
ENSMUSG00000134522.1,ENSMUSG00000134522,lncRNA	0.81057627	0.1912346
ENSMUSG00000015880.14,Ncapg,protein_coding	0.80833109	0.7409456
ENSMUSG00000119873.1,Gm24497,snRNA	0.80789123	0.5958032
ENSMUSG00000081640.2,Rplp0-ps1,processed_pseudogene	0.80708439	0.2908965
ENSMUSG00000047880.16,Cxcr5,protein_coding	0.80552796	0.8063884
ENSMUSG00000107667.4,C530044C16Rik,lncRNA	0.80472338	0.0770176
ENSMUSG00000038179.14,Slamf7,protein_coding	0.80388051	0.7662481
ENSMUSG00000031380.11,Vegfd,protein_coding	0.80345128	0.2664009
ENSMUSG00000097683.5,Gm26644,lncRNA	0.80321464	0.2074914
ENSMUSG00000064605.5,Gm22220,snRNA	0.80287333	0.2269162
ENSMUSG00000071342.6,Lsmem1,protein_coding	0.80185337	0.1790182
ENSMUSG00000127320.1,ENSMUSG00000127320,lncRNA	0.80119566	0.1493678
ENSMUSG00000003545.4,Fosb,protein_coding	0.8011688	0.1328508
ENSMUSG00000080610.3,Snord110,snoRNA	0.80103195	0.0870465
ENSMUSG00000134256.1,ENSMUSG00000134256,lncRNA	0.80058153	0.1094573
ENSMUSG00000043008.10,Klhl6,protein_coding	0.79868156	0.7099244
ENSMUSG00000110218.3,Tincr,protein_coding	0.79810072	0.053916
ENSMUSG00000065818.3,Snord35a,snoRNA	0.79634333	0.2349434
ENSMUSG00000023964.16,Calcr,protein_coding	0.79483818	0.3746396
ENSMUSG00000097652.5,Mhrt,lncRNA	0.79417467	0.3959032
ENSMUSG00000044916.11,Frey1,protein_coding	0.7939889	0.0372836
ENSMUSG00000086000.4,Gm12493,lncRNA	0.7937712	0.7470374

ENSMUSG00000037544.15,Dlgap5,protein_coding	0.79179083	0.773227
ENSMUSG00000028885.9,Smpdl3b,protein_coding	0.79143028	0.0763652
ENSMUSG00000091905.4,Dnajb6-ps,processed_pseudogene	0.79130405	0.2343798
ENSMUSG00000104528.2,Gm43314,TEC	0.79114762	0.3618852
ENSMUSG00000117694.2,Snhg4,protein_coding	0.79098217	0.3055872
ENSMUSG00000108129.5,4930417O13Rik,lncRNA	0.78940966	0.1614194
ENSMUSG00000024354.14,Slc23a1,protein_coding	0.78939645	0.6283168
ENSMUSG00000024866.11,Acy3,protein_coding	0.78887649	0.1225347
ENSMUSG00000120042.2,Gm57212,lncRNA	0.78870976	0.1032968
ENSMUSG00000097961.2,Gm27000,lncRNA	0.78857988	0.2461486
ENSMUSG00000116840.3,Gm21691,lncRNA	0.78818181	0.188058
ENSMUSG00000141894.1,ENSMUSG00000141894,lncRNA	0.78803677	0.6575578
ENSMUSG00000107355.4,AI839979,lncRNA	0.78780536	0.2720344
ENSMUSG00000104964.2,4930597L12Rik,TEC	0.78733802	0.7308279
ENSMUSG00000130119.1,ENSMUSG00000130119,lncRNA	0.78685751	0.67676
ENSMUSG00000064340.1,mt-Tl1,Mt_tRNA	0.78670633	0.1087547
ENSMUSG00000097715.5,Gpr137b-ps,transcribed_unprocessed_pseudogen	0.78662377	0.4016445
ENSMUSG00000006948.8,Klk4,protein_coding	0.78530706	0.8818596
ENSMUSG00000083856.2,Gm13886,processed_pseudogene	0.78413193	0.0713707
ENSMUSG00000118198.4,Gm50370,lncRNA	0.78376299	0.4104025
ENSMUSG00000004328.16,Hif3a,protein_coding	0.78254159	0.1550218
ENSMUSG00000110896.2,Gm48273,TEC	0.78246261	0.1495
ENSMUSG00000068167.7,Csnka2ip,protein_coding	0.78180717	0.2592877
ENSMUSG00000022838.15,Eaf2,protein_coding	0.78127544	0.4449802
ENSMUSG00000032204.14,Aqp9,protein_coding	0.77950172	0.0403504
ENSMUSG00000043385.5,Or2k2,protein_coding	0.77906728	0.327265
ENSMUSG00000083098.2,Gm14578,processed_pseudogene	0.77904147	0.1477359
ENSMUSG00000121196.2,2810461L16Rik,lncRNA	0.77844717	0.1891369
ENSMUSG00000126979.1,Gm6981,lncRNA	0.77827768	0.2009427
ENSMUSG00000111686.2,Rab7-ps1,processed_pseudogene	0.77703755	0.1150808
ENSMUSG00000108112.2,Gm45193,lncRNA	0.77621552	0.6540995
ENSMUSG00000107722.3,2900060B14Rik,lncRNA	0.77609614	0.1411449
ENSMUSG00000120198.2,Gm4633,lncRNA	0.77556398	0.1396337
ENSMUSG00000123070.1,ENSMUSG00000123070,lncRNA	0.77500521	0.232709
ENSMUSG00000047591.6,Mafa,protein_coding	0.77359254	0.0598813
ENSMUSG00000064427.3,Gm22748,snoRNA	0.77338746	0.0140913
ENSMUSG00000065110.6,Snord61,snoRNA	0.77326506	0.1887194
ENSMUSG00000118916.1,Gm25474,snoRNA	0.77213581	0.1609362
ENSMUSG00000119095.1,Gm22047,snoRNA	0.77213581	0.1609362
ENSMUSG00000119841.1,Gm23619,snoRNA	0.77213581	0.1609362
ENSMUSG00000107878.2,Gm44106,TEC	0.77026577	0.1163064
ENSMUSG00000125622.1,ENSMUSG00000125622,lncRNA	0.76901865	0.1164678
ENSMUSG00000129312.1,ENSMUSG00000129312,lncRNA	0.76897	0.3571508
ENSMUSG00000112621.2,Gm5173,processed_pseudogene	0.76744192	0.0921555
ENSMUSG00000122922.1,ENSMUSG00000122922,lncRNA	0.76710549	0.1813443
ENSMUSG00000002831.16,Plin4,protein_coding	0.76660242	0.4469549
ENSMUSG00002075146.1,Snora36b,snoRNA	0.76546482	0.1853245
ENSMUSG00000017697.4,Ada,protein_coding	0.7650453	0.5463435
ENSMUSG00000127239.1,ENSMUSG00000127239,lncRNA	0.76490947	0.1409989
ENSMUSG00000120250.2,2010004M13Rik,lncRNA	0.76139087	0.2847177
ENSMUSG00000128207.1,ENSMUSG00000128207,lncRNA	0.7611404	0.6394327
ENSMUSG00000104569.2,Gm43054,TEC	0.75993414	0.1247711

ENSMUSG00000093846.3,Gm4425,lncRNA	0.75902876	0.3591445
ENSMUSG00000050270.13,Tmem220,protein_coding	0.75823135	0.1591949
ENSMUSG00000105976.2,Gm42782,TEC	0.75780006	0.0601904
ENSMUSG00000139510.1,ENSMUSG00000139510,lncRNA	0.75757998	0.1016738
ENSMUSG00000099930.3,Gm2396,lncRNA	0.75751343	0.4470877
ENSMUSG00000029304.15,Spp1,protein_coding	0.75685682	0.3188252
ENSMUSG00000031264.14,Btk,protein_coding	0.75668964	0.6332101
ENSMUSG00000133342.1,ENSMUSG00000133342,lncRNA	0.75628169	0.2148371
ENSMUSG00002074930.1,Gm55678,misc_RNA	0.75624123	0.6671258
ENSMUSG00000126475.1,ENSMUSG00000126475,lncRNA	0.7554697	0.0643515
ENSMUSG00000133786.1,ENSMUSG00000133786,lncRNA	0.75343727	0.0577545
ENSMUSG00000135262.1,ENSMUSG00000135262,lncRNA	0.75277326	0.0679743
ENSMUSG00000075122.6,Cd80,protein_coding	0.75224761	0.5475031
ENSMUSG00000121664.1,ENSMUSG00000121664,lncRNA	0.75124787	0.0598365
ENSMUSG00000058883.17,Zfp708,protein_coding	0.75110381	0.2865274
ENSMUSG00000082274.2,Gm14026,processed_pseudogene	0.75082376	0.0616049
ENSMUSG00000044626.14,Liph,protein_coding	0.75025096	0.6093229
ENSMUSG00000068758.9,Il3ra,protein_coding	0.74990705	0.4159166
ENSMUSG00000121516.1,ENSMUSG00000121516,transcribed_unprocessed	0.74982985	0.0674408
ENSMUSG00000131072.1,ENSMUSG00000131072,lncRNA	0.74930567	0.1761501
ENSMUSG00000034842.17,Art3,protein_coding	0.74915255	0.0702673
ENSMUSG00000065878.3,Snord34,snoRNA	0.7487173	0.1923725
ENSMUSG00000049436.6,Upk1b,protein_coding	0.74835961	0.4567187
ENSMUSG00000031364.3,Grpr,protein_coding	0.7483442	0.1267401
ENSMUSG00000110747.3,Gm35657,lncRNA	0.74806346	0.1530652
ENSMUSG00000115637.2,Gm30970,processed_pseudogene	0.7472472	0.2729389
ENSMUSG00000141587.1,ENSMUSG00000141587,lncRNA	0.74700399	0.2337953
ENSMUSG00000090291.4,Lrrc10b,protein_coding	0.74682189	0.2605285
ENSMUSG00000117926.3,C030004G16Rik,lncRNA	0.74614479	0.1273631
ENSMUSG00000091199.12,Gm2619,lncRNA	0.74581536	0.842838
ENSMUSG00000086708.2,Gm15577,lncRNA	0.74503809	0.2222383
ENSMUSG00000101135.2,Gm17981,processed_pseudogene	0.74343921	0.0713614
ENSMUSG00000124792.1,ENSMUSG00000124792,lncRNA	0.74194214	0.0771276
ENSMUSG00000102376.2,Gm37975,TEC	0.74019274	0.0720009
ENSMUSG00000038227.16,Hoxa9,protein_coding	0.73937738	0.7046255
ENSMUSG00000118734.1,Gm25313,snRNA	0.73930841	0.6112448
ENSMUSG00000092595.3,Gm20427,lncRNA	0.73826381	0.8279153
ENSMUSG00000007888.16,Crlf1,protein_coding	0.73642497	0.2224263
ENSMUSG00000056316.3,Gm9996,TEC	0.73556085	0.0498563
ENSMUSG00000104622.2,Gm42541,TEC	0.73509762	0.3595919
ENSMUSG00000104342.2,Gm36401,TEC	0.73472976	0.5290551
ENSMUSG00000108991.2,Gm45807,TEC	0.73459736	0.1004331
ENSMUSG00000134535.1,ENSMUSG00000134535,lncRNA	0.73311275	0.197911
ENSMUSG00000038781.8,Stap2,protein_coding	0.7329348	0.1277662
ENSMUSG00000140031.1,ENSMUSG00000140031,lncRNA	0.73263018	0.076395
ENSMUSG00000021263.12,Degs2,protein_coding	0.73250983	0.0899107
ENSMUSG00000142256.1,ENSMUSG00000142256,lncRNA	0.73141896	0.0604009
ENSMUSG00000108630.2,Gm44607,TEC	0.73053264	0.188127
ENSMUSG00000023274.15,Cd4,protein_coding	0.72942136	0.4550695
ENSMUSG00000102959.2,Gm37015,TEC	0.7292665	0.1528699
ENSMUSG00000104002.3,Gm38336,lncRNA	0.72857011	0.0331463
ENSMUSG00000141158.1,ENSMUSG00000141158,lncRNA	0.72748739	0.7911303

ENSMUSG00000104917.2,Gm43289,TEC	0.72678954	0.0938967
ENSMUSG00000082127.3,Gm13577,processed_pseudogene	0.72608275	0.5924738
ENSMUSG00000066861.15,Oas1g,protein_coding	0.7255014	0.5825377
ENSMUSG00000029917.16,Qrfprl,protein_coding	0.72525616	0.3073801
ENSMUSG00000139259.1,ENSMUSG00000139259,lncRNA	0.72462055	0.1185353
ENSMUSG00000029134.15,Plb1,protein_coding	0.72397504	0.2326575
ENSMUSG00000103763.2,Gm37860,TEC	0.72286651	0.0515165
ENSMUSG00000097174.5,Gm4890,lncRNA	0.72268485	0.2446744
ENSMUSG00000120762.2,Gm57026,lncRNA	0.7222203	0.2601835
ENSMUSG00000022860.16,Chodl,protein_coding	0.72188696	0.3101874
ENSMUSG00000057777.6,Mab21l2,protein_coding	0.72094982	0.3084561
ENSMUSG00000105134.2,Gm42923,TEC	0.71907259	0.4032006
ENSMUSG00000091825.2,Gm5778,processed_pseudogene	0.71900559	0.0271863
ENSMUSG00000025991.9,Cps1,protein_coding	0.71881334	0.557323
ENSMUSG00000136750.1,ENSMUSG00000136750,lncRNA	0.71872885	0.1615345
ENSMUSG00000117294.2,Gm49839,TEC	0.71848293	0.3691628
ENSMUSG00000060096.6,Amd-ps3,processed_pseudogene	0.71844297	0.5741679
ENSMUSG00000056300.15,Zfp981,protein_coding	0.71573432	0.6101261
ENSMUSG00000081829.2,Gm15460,processed_pseudogene	0.7148396	0.290008
ENSMUSG00000121178.2,Gm56874,lncRNA	0.71428441	0.20782
ENSMUSG00000084761.3,Gm12406,lncRNA	0.71388949	0.0779631
ENSMUSG00000120148.2,2810036E18Rik,lncRNA	0.71235137	0.1142654
ENSMUSG00000113396.3,Gm33467,lncRNA	0.71015379	0.1534937
ENSMUSG00000068335.7,Dok1,protein_coding	0.70957857	0.2836699
ENSMUSG00000059645.7,Gm7361,protein_coding	0.70764981	0.1112278
ENSMUSG00000015316.12,Slamf1,protein_coding	0.70750078	0.4272055
ENSMUSG00000104153.2,Gm38105,TEC	0.70685818	0.1070236
ENSMUSG00000121430.2,ENSMUSG00000121430,lncRNA	0.70663826	0.7607732
ENSMUSG00000073294.5,Ezhip,protein_coding	0.70661229	0.0909949
ENSMUSG00000060530.5,A930017M01Rik,transcribed_processed_pseudoge	0.70658044	0.7447694
ENSMUSG00000086728.5,Man2c1os,lncRNA	0.70583524	0.0102788
ENSMUSG00000097748.3,Gm26533,lncRNA	0.70494876	0.376632
ENSMUSG00000027376.16,Prom2,protein_coding	0.70426777	0.2945444
ENSMUSG00000137459.1,ENSMUSG00000137459,lncRNA	0.70377033	0.0581252
ENSMUSG00000101268.7,2010310C07Rik,lncRNA	0.70275436	0.2454136
ENSMUSG00000102994.2,Gm37767,TEC	0.70241652	0.0160822
ENSMUSG00000055368.15,Slc6a2,protein_coding	0.70169624	0.692005
ENSMUSG00000065124.3,Snora65,snoRNA	0.70155168	0.1680827
ENSMUSG00000134611.1,ENSMUSG00000134611,lncRNA	0.70130546	0.0376656
ENSMUSG00000037469.12,Acp7,protein_coding	0.70099631	0.2537268
ENSMUSG00000104494.2,Gm37111,TEC	0.70084551	0.0835892
ENSMUSG00000142764.1,ENSMUSG00000142764,lncRNA	0.70076706	0.4070419
ENSMUSG00000030365.12,Clec2i,protein_coding	0.70064983	0.8267418
ENSMUSG00000082738.2,Gm15422,processed_pseudogene	0.70023635	0.1653418
ENSMUSG00000064500.4,Gm25296,snoRNA	0.69756561	0.3168502
ENSMUSG00000059864.3,Or2y1g,protein_coding	0.69742991	0.3457292
ENSMUSG00000020072.16,Pbld2,protein_coding	0.69699865	0.2003959
ENSMUSG00000127033.1,ENSMUSG00000127033,lncRNA	0.69685874	0.0931802
ENSMUSG00000065304.3,Gm23245,snoRNA	0.69683225	0.2310542
ENSMUSG00000084071.2,Gm13378,processed_pseudogene	0.69652708	0.2531448
ENSMUSG00000065728.3,Gm26175,snoRNA	0.69652218	0.2978409
ENSMUSG00000097888.4,Gm26682,lncRNA	0.6949639	0.1039

ENSMUSG00000131263.1,ENSMUSG00000131263,lncRNA	0.6947362	0.2360023
ENSMUSG00000097580.3,Gm5432,lncRNA	0.69399964	0.0997247
ENSMUSG00000121395.2,ENSMUSG00000121395,lncRNA	0.69321252	0.3213813
ENSMUSG00000132950.1,ENSMUSG00000132950,lncRNA	0.69277959	0.2351507
ENSMUSG00000090963.3,Gm17655,protein_coding	0.69072178	0.31994
ENSMUSG00000126686.1,ENSMUSG00000126686,lncRNA	0.69006622	0.0406243
ENSMUSG00000121493.2,Cyp4f41-ps,lncRNA	0.68845782	0.3977787
ENSMUSG00000001403.14,Ube2c,protein_coding	0.68658532	0.7378953
ENSMUSG00000103965.3,Gm30173,lncRNA	0.68607254	0.7358239
ENSMUSG00000120623.2,Gm56503,lncRNA	0.68606234	0.1918996
ENSMUSG00000019768.17,Esr1,protein_coding	0.6846333	0.0210559
ENSMUSG00000099708.3,Gm29361,lncRNA	0.68431935	0.1583556
ENSMUSG00000020424.4,Castor1,protein_coding	0.6833901	0.3593921
ENSMUSG00000108886.2,Gm44830,TEC	0.68286612	0.0833889
ENSMUSG00000021835.16,Bmp4,protein_coding	0.68283967	0.0564265
ENSMUSG00000069310.5,H3c3,protein_coding	0.68220539	0.8592778
ENSMUSG00000102139.2,Gm37109,TEC	0.68148493	0.0435471
ENSMUSG00000119346.1,Gm23151,snRNA	0.68015531	0.3166808
ENSMUSG00000059479.8,B3gnt8,protein_coding	0.67949626	0.2663157
ENSMUSG00000093387.3,Gm20732,lncRNA	0.67820511	0.131797
ENSMUSG00000094306.3,Gm24924,snRNA	0.67706295	0.2798467
ENSMUSG00000028459.12,Cd72,protein_coding	0.67686103	0.467219
ENSMUSG00000039521.14,Foxp3,protein_coding	0.67655635	0.6197993
ENSMUSG00000073197.10,5730507C01Rik,protein_coding	0.6763078	0.1392295
ENSMUSG00000050195.9,Scd4,protein_coding	0.67602278	0.1800854
ENSMUSG00000116835.2,Gm49594,transcribed_processed_pseudogene	0.67538922	0.3868647
ENSMUSG00000127939.1,ENSMUSG00000127939,lncRNA	0.67498442	0.1508425
ENSMUSG00000099342.2,Gm18180,processed_pseudogene	0.67492547	0.0602981
ENSMUSG00000083305.3,Gm13315,processed_pseudogene	0.67404845	0.4325346
ENSMUSG00000024696.10,Lpxn,protein_coding	0.67396928	0.6888173
ENSMUSG00000064453.3,Snord21,snoRNA	0.67388722	0.1296575
ENSMUSG00000074342.5,I830077J02Rik,protein_coding	0.67364333	0.2111857
ENSMUSG00000076613.5,Ighg2b,IG_C_gene	0.67300438	0.8353108
ENSMUSG00000035031.16,C8a,protein_coding	0.67227894	0.6952204
ENSMUSG00000027219.14,Slc28a2,protein_coding	0.67180303	0.6179991
ENSMUSG00000065097.3,Snora16a,snoRNA	0.67174305	0.0982065
ENSMUSG00000039981.7,Zc3h12d,protein_coding	0.6710959	0.8321553
ENSMUSG00000073491.12,Ifi213,protein_coding	0.67042919	0.7621394
ENSMUSG00000124420.1,ENSMUSG00000124420,lncRNA	0.67006513	0.5677206
ENSMUSG00000100750.2,Gm29084,lncRNA	0.66944692	0.6367049
ENSMUSG00000110020.3,Gm45441,lncRNA	0.66581152	0.081614
ENSMUSG00000114003.2,Gm9616,processed_pseudogene	0.66511718	0.3078389
ENSMUSG00000117917.2,Gm18087,processed_pseudogene	0.66474512	0.1855206
ENSMUSG00000042708.13,Shcbp1l,protein_coding	0.66442101	0.0569908
ENSMUSG00000114907.2,Gm47794,lncRNA	0.66395249	0.1296614
ENSMUSG00000120397.2,Gm56717,lncRNA	0.66308062	0.0783539
ENSMUSG00000129234.1,ENSMUSG00000129234,lncRNA	0.66276527	0.1081217
ENSMUSG00000118008.3,Gm36913,lncRNA	0.66262025	0.0292228
ENSMUSG00000113078.2,Gm48734,TEC	0.65934688	0.0197711
ENSMUSG00000137975.1,ENSMUSG00000137975,lncRNA	0.65800422	0.3000456
ENSMUSG00000106371.2,9530097N15Rik,lncRNA	0.65769441	0.181969
ENSMUSG00000085900.3,A930041C12Rik,lncRNA	0.65751728	0.7139598

ENSMUSG00000139973.1,ENSMUSG00000139973,lncRNA	0.65687622	0.8051859
ENSMUSG00000047773.16,Ankfn1,protein_coding	0.65645777	0.0909319
ENSMUSG00000102912.2,Gm20731,TEC	0.65603057	0.2390657
ENSMUSG00000108461.4,AV356131,lncRNA	0.65602436	0.1039851
ENSMUSG00000027654.3,Fam83d,protein_coding	0.65464046	0.2008229
ENSMUSG00000104897.2,Gm43203,TEC	0.65458941	0.2082203
ENSMUSG00000079009.9,Zfp1004,protein_coding	0.65319137	0.7561276
ENSMUSG00000002910.12,Arrdc2,protein_coding	0.6523864	0.0663051
ENSMUSG00000118933.1,Gm25314,snoRNA	0.6522447	0.2762001
ENSMUSG00000115813.3,Gm46447,lncRNA	0.65023204	0.0755081
ENSMUSG00000081651.2,Gm15530,processed_pseudogene	0.6501244	0.1452769
ENSMUSG00000085910.2,Gm12395,lncRNA	0.65001311	0.0169875
ENSMUSG00000102323.2,Gm37790,TEC	0.64989557	0.0356766
ENSMUSG00000089746.2,Gm3513,lncRNA	0.64960219	0.1550812
ENSMUSG00000121483.2,ENSMUSG00000121483,lncRNA	0.64942787	0.1583816
ENSMUSG00000110738.2,Gm47092,TEC	0.64939986	0.0620489
ENSMUSG00000087015.3,Gm14041,lncRNA	0.6492097	0.2300175
ENSMUSG00000028012.16,Rrh,protein_coding	0.64874915	0.1087192
ENSMUSG00000097745.3,AI115009,lncRNA	0.64785386	0.2354454
ENSMUSG00000106585.2,Gm25053,snoRNA	0.6473444	0.2507086
ENSMUSG00000117789.2,Gm50388,protein_coding	0.64696417	0.3755322
ENSMUSG00000085720.10,Gm7854,lncRNA	0.64694151	0.0728294
ENSMUSG00000047534.18,Mis18bp1,protein_coding	0.64649649	0.7421826
ENSMUSG00000085609.4,1700016P03Rik,lncRNA	0.64627864	0.2200874
ENSMUSG00000007030.9,Vwa7,protein_coding	0.64553627	0.0859914
ENSMUSG00000098318.10,Lockd,lncRNA	0.64444999	0.7598915
ENSMUSG00000044338.10,Aplnr,protein_coding	0.64444937	0.0666593
ENSMUSG00000117313.2,Gm49838,lncRNA	0.64422878	0.3109757
ENSMUSG00000001588.13,Acap1,protein_coding	0.64404954	0.7555933
ENSMUSG00000117011.4,E130008D07Rik,lncRNA	0.64315508	0.3242754
ENSMUSG00000065362.3,Gm24411,snoRNA	0.64259714	0.2381974
ENSMUSG00000093880.4,Tmem181c-ps,transcribed_unprocessed_pseudoge	0.6423001	0.3095796
ENSMUSG00000134949.1,ENSMUSG00000134949,lncRNA	0.64195055	0.319575
ENSMUSG00000032269.9,Htr3a,protein_coding	0.64141689	0.1044689
ENSMUSG00000117819.2,Gm50253,protein_coding	0.6401041	0.3522303
ENSMUSG00000131743.1,ENSMUSG00000131743,lncRNA	0.63989566	0.1266875
ENSMUSG00000122073.1,ENSMUSG00000122073,lncRNA	0.63976765	0.1609228
ENSMUSG00000118859.1,Gm26316,snRNA	0.63880823	0.2370953
ENSMUSG00000105590.2,Gm43364,TEC	0.63863989	0.1421818
ENSMUSG00000104286.2,Gm37457,TEC	0.63860297	0.3182633
ENSMUSG00000038583.14,Pln,protein_coding	0.63848324	0.2375688
ENSMUSG00000120470.2,Gm56641,lncRNA	0.63764842	0.4888171
ENSMUSG00000128074.1,ENSMUSG00000128074,lncRNA	0.63615232	0.1131258
ENSMUSG00000120859.2,Gm57434,lncRNA	0.63486085	0.161122
ENSMUSG00000023232.18,Serinc2,protein_coding	0.63322481	0.0934935
ENSMUSG00000057836.13,Xlr3a,protein_coding	0.63189855	0.658626
ENSMUSG00000099041.2,Gm28035,protein_coding	0.63189569	0.1615753
ENSMUSG00000102970.2,Gm37349,TEC	0.63188707	0.364636
ENSMUSG00000077549.3,Snord71,snoRNA	0.63082759	0.1603203
ENSMUSG00000138730.1,ENSMUSG00000138730,lncRNA	0.63074122	0.2395378
ENSMUSG00000065392.3,Gm25894,snoRNA	0.63067177	0.3758288
ENSMUSG00000019935.17,Slc17a8,protein_coding	0.63036153	0.3256655

ENSMUSG00000097187.3,Gm19426,lncRNA	0.63011652	0.1032413
ENSMUSG00000107396.4,4930425L21Rik,lncRNA	0.62965814	0.3095296
ENSMUSG00000129121.1,ENSMUSG00000129121,lncRNA	0.62946	0.4632237
ENSMUSG00000120594.2,Gm9975,lncRNA	0.6292642	0.0784769
ENSMUSG00000142665.1,ENSMUSG00000142665,lncRNA	0.62829152	0.4903037
ENSMUSG00000064346.1,mt-Tw,Mt_tRNA	0.62823782	0.3308189
ENSMUSG00000069132.4,Nxph2,protein_coding	0.62769675	0.2011505
ENSMUSG00000106694.2,Gm42894,TEC	0.62759287	0.0967735
ENSMUSG00000115127.3,Gm46515,lncRNA	0.62696205	0.019942
ENSMUSG00000105057.3,Gm40190,lncRNA	0.62649521	0.1977543
ENSMUSG00000089737.2,Gm15688,lncRNA	0.62648224	0.1620407
ENSMUSG00000082820.4,Gm13803,processed_pseudogene	0.62581865	0.3773501
ENSMUSG00000125400.1,ENSMUSG00000125400,lncRNA	0.62537843	0.2780033
ENSMUSG00000104564.2,Gm17977,transcribed_processed_pseudogene	0.62534142	0.2490646
ENSMUSG00000044176.13,Spink10,protein_coding	0.62516122	0.2159923
ENSMUSG00000130479.1,ENSMUSG00000130479,lncRNA	0.6250384	0.1637451
ENSMUSG00000121575.1,ENSMUSG00000121575,protein_coding	0.6250042	0.2966305
ENSMUSG00000089803.4,Gm10171,processed_pseudogene	0.6248087	0.7579515
ENSMUSG00000085039.4,Gm15927,lncRNA	0.62344764	0.0771074
ENSMUSG00000087963.3,Gm25394,snoRNA	0.62274942	0.0273593
ENSMUSG00000128341.1,ENSMUSG00000128341,lncRNA	0.62247099	0.1784616
ENSMUSG00000128167.1,ENSMUSG00000128167,lncRNA	0.62221148	0.1935873
ENSMUSG00000104651.2,Gm21168,processed_pseudogene	0.62172668	0.0996098
ENSMUSG00000074385.5,Gm10684,lncRNA	0.62112665	0.5495361
ENSMUSG00000128294.1,ENSMUSG00000128294,lncRNA	0.62111931	0.7786292
ENSMUSG00000091617.10,Gm3752,protein_coding	0.62039204	0.4667127
ENSMUSG00000109165.2,Gm45148,lncRNA	0.61851119	0.0544374
ENSMUSG00000036322.14,H2-Ea,protein_coding	0.61756769	0.753122
ENSMUSG00000125346.1,ENSMUSG00000125346,lncRNA	0.61742167	0.2303151
ENSMUSG00000101061.3,Platr1,lncRNA	0.6173901	0.6372551
ENSMUSG00000139264.1,ENSMUSG00000139264,lncRNA	0.6138114	0.2235964
ENSMUSG00000087652.3,Gm15918,lncRNA	0.61344439	0.2739879
ENSMUSG00000113263.2,Gm4811,processed_pseudogene	0.61130216	0.4687943
ENSMUSG00000119895.1,Gm22513,snRNA	0.61123912	0.1223838
ENSMUSG00000015312.10,Gadd45b,protein_coding	0.61075173	0.0332699
ENSMUSG00000087390.2,Gm7598,lncRNA	0.61069974	0.3098999
ENSMUSG00000119048.1,Gm24653,snoRNA	0.6095995	0.309628
ENSMUSG00000119746.1,Gm24417,snoRNA	0.6095995	0.309628
ENSMUSG00000101678.4,Gm29609,protein_coding	0.60944255	0.0933716
ENSMUSG00000124146.1,ENSMUSG00000124146,lncRNA	0.60865793	0.2404864
ENSMUSG00000109199.2,Gm44996,TEC	0.6086457	0.1625742
ENSMUSG00000050854.10,Tmem125,protein_coding	0.60834673	0.02287
ENSMUSG00000040405.14,Havcr1,protein_coding	0.60819122	0.9110295
ENSMUSG00000065669.3,Gm22581,snoRNA	0.60761028	0.2765159
ENSMUSG00000043889.7,Gm8399,processed_pseudogene	0.60753421	0.4917326
ENSMUSG00000125280.1,ENSMUSG00000125280,lncRNA	0.607399	0.1513578
ENSMUSG00000065196.3,Snord85,snoRNA	0.60714488	0.4203217
ENSMUSG00000124662.1,ENSMUSG00000124662,lncRNA	0.60636006	0.1441793
ENSMUSG00000080461.3,Gm22488,snoRNA	0.60632114	0.3058849
ENSMUSG00000132959.1,ENSMUSG00000132959,lncRNA	0.60610508	0.247299
ENSMUSG00000023078.7,Cxcl13,protein_coding	0.6058268	0.7440198
ENSMUSG00000119751.1,Gm22510,snoRNA	0.60579389	0.1943045

ENSMUSG00000119357.1,Gm26390,snoRNA	0.60579389	0.1943045
ENSMUSG00000119316.1,Gm26336,snoRNA	0.60579389	0.1943045
ENSMUSG00000126760.1,ENSMUSG00000126760,lncRNA	0.6057106	0.3716499
ENSMUSG00000049357.12,Brd8dc,protein_coding	0.60553729	0.2018482
ENSMUSG00000120254.2,Gm32960,lncRNA	0.60526412	0.1817956
ENSMUSG00000054342.9,Kcnn4,protein_coding	0.60438676	0.7997869
ENSMUSG00000026435.16,Slc45a3,protein_coding	0.60410649	0.0740317
ENSMUSG00000074001.4,Klhl40,protein_coding	0.60392564	0.1280382
ENSMUSG00000110404.2,Rnf223,protein_coding	0.60390989	0.1695695
ENSMUSG00000133723.1,ENSMUSG00000133723,lncRNA	0.60367533	0.3886442
ENSMUSG00000104745.2,Gm43073,TEC	0.60352616	0.1456148
ENSMUSG00000103735.2,Gm38317,processed_pseudogene	0.60255801	0.646019
ENSMUSG00000105695.2,Gm43327,TEC	0.60224813	0.3740826
ENSMUSG00000045877.3,4933415A04Rik,lncRNA	0.60212358	0.1259559
ENSMUSG00000040703.12,Cyp2s1,protein_coding	0.6019389	0.0172219
ENSMUSG00000100005.10,B130024G19Rik,lncRNA	0.60062164	0.0529292
ENSMUSG00000064451.3,Snora23,snoRNA	0.60047021	0.1523881
ENSMUSG00000133649.1,ENSMUSG00000133649,lncRNA	0.60021482	0.3646242
ENSMUSG00000108108.2,Gm44270,TEC	0.59989224	0.0532179
ENSMUSG00000122685.1,ENSMUSG00000122685,lncRNA	0.59980333	0.5163343
ENSMUSG00000037772.14,Mrpl23,protein_coding	0.59977048	0.0118096
ENSMUSG00000108384.2,Gm45082,TEC	0.59948882	0.1748779
ENSMUSG00000117255.2,Gm49864,lncRNA	0.59911414	0.1941713
ENSMUSG00000064602.3,Snora41,snoRNA	0.59866002	0.3787831
ENSMUSG00000095180.11,Rhox5,protein_coding	0.59850434	0.8433911
ENSMUSG00000020131.15,Pcsk4,protein_coding	0.59738199	0.0955559
ENSMUSG00000110377.2,Gm45363,TEC	0.59717552	0.1355822
ENSMUSG00000135641.1,ENSMUSG00000135641,lncRNA	0.59661019	0.1163111
ENSMUSG00000100009.8,Gm7967,lncRNA	0.59629815	0.1496249
ENSMUSG00000070713.6,Hmgn2-ps,protein_coding	0.5962276	0.1999581
ENSMUSG00000085434.3,Gm11725,lncRNA	0.59616449	0.1316112
ENSMUSG00000090101.4,Snhg9,lncRNA	0.59587067	0.4159243
ENSMUSG00000086920.2,Gm12207,lncRNA	0.59578971	0.2207212
ENSMUSG00000137801.1,ENSMUSG00000137801,lncRNA	0.59570323	0.8934953
ENSMUSG00000019890.5,Nts,protein_coding	0.59555069	0.3056386
ENSMUSG00000111069.2,Gm48646,lncRNA	0.59550094	0.2331396
ENSMUSG00000075903.3,Gm23941,snRNA	0.59539013	0.3407593
ENSMUSG00000119776.1,Gm23849,snRNA	0.5945678	0.1745336
ENSMUSG00000118718.1,Gm24950,snRNA	0.5945678	0.1745336
ENSMUSG00000118837.1,Rnu2-10,snRNA	0.5945678	0.1745336
ENSMUSG00000021965.4,Ska3,protein_coding	0.59401671	0.6264486
ENSMUSG00000041324.15,Inhba,protein_coding	0.59368813	0.0462694
ENSMUSG00000110773.3,Gm39326,lncRNA	0.59347847	0.0927541
ENSMUSG00000087618.3,Gm14114,lncRNA	0.59340757	0.4051246
ENSMUSG00000021250.14,Fos,protein_coding	0.59338037	0.0509718
ENSMUSG00000012519.15,Mlkl,protein_coding	0.59327333	0.572257
ENSMUSG00000084808.9,9430091E24Rik,lncRNA	0.59306888	0.1009046
ENSMUSG00000128312.1,ENSMUSG00000128312,lncRNA	0.59255629	0.0914467
ENSMUSG00000019718.9,L3hypdh,protein_coding	0.59211346	0.2118368
ENSMUSG00000136862.1,ENSMUSG00000136862,lncRNA	0.59058111	0.1200624
ENSMUSG00000057457.12,Phex,protein_coding	0.59033362	0.2121016
ENSMUSG00000060183.8,Cxcl11,protein_coding	0.59005888	0.7351662

ENSMUSG00000102417.2,Gm36939,TEC	0.58963541	0.0677771
ENSMUSG00000124727.1,ENSMUSG00000124727,lncRNA	0.5891081	0.1918084
ENSMUSG00000121867.2,ENSMUSG00000121867,lncRNA	0.58895075	0.2754988
ENSMUSG00000040904.11,Gm21988,protein_coding	0.58703316	0.4679625
ENSMUSG00000093942.4,Or13a18,protein_coding	0.58612077	0.4651588
ENSMUSG00000112977.3,Gm34081,lncRNA	0.58609338	0.4335584
ENSMUSG00000083152.2,Apc-ps1,transcribed_processed_pseudogene	0.58562482	0.2186918
ENSMUSG00000108532.3,Gm32647,lncRNA	0.5854435	0.1131692
ENSMUSG00000000204.17,Slfn4,protein_coding	0.58498144	0.7688817
ENSMUSG00000130624.1,ENSMUSG00000130624,lncRNA	0.58457626	0.2257995
ENSMUSG00000097535.3,Gm26592,lncRNA	0.58407168	0.2518482
ENSMUSG00000118242.2,Gm50141,processed_pseudogene	0.58400448	0.1446743
ENSMUSG00000065678.3,Gm24261,snRNA	0.58399519	0.5408404
ENSMUSG00000084849.2,Gm16105,lncRNA	0.58352714	0.2930449
ENSMUSG00000042828.13,Trim72,protein_coding	0.58317148	0.2529687
ENSMUSG00000088958.3,Scarna8,scaRNA	0.58261818	0.3950357
ENSMUSG00000053461.10,Hhipl2,protein_coding	0.58229984	0.3330227
ENSMUSG00000027070.15,Lrp2,protein_coding	0.58182564	0.3369272
ENSMUSG00000023949.8,Tcte1,protein_coding	0.58105135	0.092362
ENSMUSG00000074971.5,Fibin,protein_coding	0.58079628	0.0830727
ENSMUSG00000113993.2,Gm47659,processed_pseudogene	0.58077936	0.236292
ENSMUSG00000100813.3,Gm28874,lncRNA	0.57992139	0.4622601
ENSMUSG00000095041.8,ENSMUSG00000095041,protein_coding	0.57972416	0.1987246
ENSMUSG00000065089.3,Gm26493,snoRNA	0.57946286	0.2042821
ENSMUSG00000109108.2,Gm36371,lncRNA	0.57938674	0.1151858
ENSMUSG00000045102.13,Poln,protein_coding	0.57889893	0.3745528
ENSMUSG00000108030.3,9530062K07Rik,lncRNA	0.57869181	0.2046866
ENSMUSG00000133755.1,ENSMUSG00000133755,lncRNA	0.57774067	0.5957359
ENSMUSG00000018566.15,Slc2a4,protein_coding	0.57749764	0.2321757
ENSMUSG00000066170.10,E230001N04Rik,lncRNA	0.57694079	0.4053182
ENSMUSG00000051048.18,P4ha3,protein_coding	0.57674708	0.034049
ENSMUSG00000142993.1,ENSMUSG00000142993,lncRNA	0.57646542	0.1161505
ENSMUSG00000123652.1,ENSMUSG00000123652,lncRNA	0.57605959	0.2973009
ENSMUSG00000096917.5,2500002B13Rik,lncRNA	0.57601376	0.075279
ENSMUSG00000036492.13,Rnf39,protein_coding	0.57596153	0.136852
ENSMUSG00000115324.3,4930527F14Rik,lncRNA	0.5753398	0.2055544
ENSMUSG00000116114.4,Gm35853,lncRNA	0.57420258	0.2754613
ENSMUSG00000119213.1,Gm25935,snRNA	0.57418648	0.282999
ENSMUSG00000102241.2,Gm37716,TEC	0.57402377	0.3524259
ENSMUSG00000123189.1,ENSMUSG00000123189,lncRNA	0.57380912	0.8320111
ENSMUSG00000039942.16,Ptger4,protein_coding	0.57358714	0.4651233
ENSMUSG00000108546.3,Gm44662,lncRNA	0.57356291	0.1283163
ENSMUSG00000028681.12,Ptch2,protein_coding	0.57243137	0.1211858
ENSMUSG00000082570.2,Gm15711,processed_pseudogene	0.57223993	0.2809482
ENSMUSG00000030551.15,Nr2f2,protein_coding	0.57117558	0.0137375
ENSMUSG00000032446.15,Eomes,protein_coding	0.57076009	0.268506
ENSMUSG00000070891.3,Gm12689,lncRNA	0.57038578	0.0944445
ENSMUSG00000074232.4,Gm10647,TEC	0.56969981	0.154513
ENSMUSG00000128274.1,ENSMUSG00000128274,lncRNA	0.56944261	0.0785996
ENSMUSG00000041596.14,Nlrp5-ps,transcribed_unprocessed_pseudogene	0.56934403	0.5171328
ENSMUSG00000119011.1,Gm25291,snoRNA	0.56910689	0.0640515
ENSMUSG00000047370.6,Gm7367,transcribed_processed_pseudogene	0.5690855	0.6387882

ENSMUSG00000023905.16,Tnfrsf12a,protein_coding	0.56865522	0.0613051
ENSMUSG00000028687.18,Mutyh,protein_coding	0.56833769	0.2021415
ENSMUSG00000104861.3,3110039M20Rik,lncRNA	0.56826688	0.1943248
ENSMUSG00000120101.2,Gm56842,lncRNA	0.56707404	0.1563431
ENSMUSG00000065817.3,Gm24698,snoRNA	0.56663265	0.554393
ENSMUSG00000121445.1,ENSMUSG00000121445,lncRNA	0.56650685	0.5414684
ENSMUSG00000001166.18,Oas1c,protein_coding	0.56632928	0.3167563
ENSMUSG00000081049.2,Rps24-ps3,processed_pseudogene	0.56610426	0.2242572
ENSMUSG00000048215.17,A630023P12Rik,lncRNA	0.56597727	0.1359947
ENSMUSG00000071470.5,Ccnb1ip1,protein_coding	0.56595955	0.504612
ENSMUSG00000097396.2,Gm26556,TEC	0.56577581	0.1221323
ENSMUSG00000072980.4,Oip5,protein_coding	0.56513955	0.5567114
ENSMUSG00000120361.2,Gm56889,lncRNA	0.5644566	0.1886449
ENSMUSG00000028678.14,Kif2c,protein_coding	0.56425501	0.7381019
ENSMUSG00000078528.3,Gm17068,processed_pseudogene	0.56404489	0.0807803
ENSMUSG00000117982.2,Gm50170,TEC	0.56372925	0.1639931
ENSMUSG00000091423.3,Gm17509,lncRNA	0.56351819	0.0811421
ENSMUSG00000104156.4,Gm38102,lncRNA	0.56344887	0.0336338
ENSMUSG00000086804.10,Gm43154,lncRNA	0.56332462	0.1198947
ENSMUSG00000024353.6,Mzb1,protein_coding	0.56309797	0.9046661
ENSMUSG00000017499.16,Cdc6,protein_coding	0.5626668	0.7080838
ENSMUSG00000140783.1,ENSMUSG00000140783,lncRNA	0.56236608	0.1358729
ENSMUSG00000120705.2,Gm57356,lncRNA	0.56233935	0.2559257
ENSMUSG00000106607.2,Gm43178,TEC	0.56172879	0.2136983
ENSMUSG00000000555.9,Itga5,protein_coding	0.56157194	0.1057868
ENSMUSG00000052825.7,Gm9892,transcribed_processed_pseudogene	0.56119587	0.3855086
ENSMUSG00000114121.3,Gm47728,lncRNA	0.56106638	0.4656733
ENSMUSG00000004098.8,Col5a3,protein_coding	0.56085065	0.2210209
ENSMUSG00000064994.3,Gm22422,snoRNA	0.56073134	0.0390741
ENSMUSG00000112257.2,Gm47623,TEC	0.56037974	0.5106038
ENSMUSG00000069835.11,Sat2,protein_coding	0.56027897	0.0065218
ENSMUSG00000067224.4,Gm3695,processed_pseudogene	0.56022469	0.1680298
ENSMUSG00000140435.1,ENSMUSG00000140435,lncRNA	0.55990286	0.6144314
ENSMUSG00000120406.2,Gm9456,lncRNA	0.5595739	0.0769094
ENSMUSG00000102620.2,Gm37675,TEC	0.55905048	0.365021
ENSMUSG00000021880.8,Rnase6,protein_coding	0.55901437	0.7920059
ENSMUSG00000064841.3,Gm26205,snoRNA	0.55871284	0.1688452
ENSMUSG00000109097.4,Gm29683,lncRNA	0.55860432	0.1895886
ENSMUSG00000093565.4,Rab26os,lncRNA	0.55832044	0.2996207
ENSMUSG00000121750.1,ENSMUSG00000121750,lncRNA	0.55812473	0.2177015
ENSMUSG00000072109.14,A530040E14Rik,lncRNA	0.55617713	0.8288842
ENSMUSG00000115220.2,Gm49768,lncRNA	0.55595085	0.0943405
ENSMUSG00000109506.3,Gm44724,lncRNA	0.55576008	0.5925755
ENSMUSG00000121786.2,Gm40287,lncRNA	0.55415501	0.4065546
ENSMUSG00000143937.1,ENSMUSG00000143937,lncRNA	0.55319828	0.2970569
ENSMUSG00000103747.2,Gm38236,TEC	0.55265645	0.1166057
ENSMUSG00000106054.2,Gm43623,lncRNA	0.55240712	0.0349661
ENSMUSG00000132061.1,ENSMUSG00000132061,lncRNA	0.55208643	0.4498734
ENSMUSG00000140142.1,ENSMUSG00000140142,lncRNA	0.5520326	0.1590643
ENSMUSG00000091318.3,Semp2l1,protein_coding	0.55149293	0.4645538
ENSMUSG00000106415.2,Gm42893,lncRNA	0.55142127	0.4133509
ENSMUSG00000126363.1,ENSMUSG00000126363,lncRNA	0.55141391	0.5039427

ENSMUSG00000127505.1,ENSMUSG00000127505,lncRNA	0.55134815	0.0380177
ENSMUSG00000114298.3,Gm48371,lncRNA	0.55092711	0.1680176
ENSMUSG00000030493.14,Faap24,protein_coding	0.55063823	0.2017384
ENSMUSG00000039187.17,Fanci,protein_coding	0.55043475	0.6993971
ENSMUSG00000028976.11,Slc2a5,protein_coding	0.55015776	0.3694802
ENSMUSG00000097974.4,Gm10605,lncRNA	0.5483951	0.2008692
ENSMUSG00000106001.2,Gm42826,TEC	0.54766402	0.1797886
ENSMUSG00000039457.5,Ppl,protein_coding	0.54711934	0.1111823
ENSMUSG00000134954.1,ENSMUSG00000134954,lncRNA	0.54710966	0.45669
ENSMUSG00000122124.1,ENSMUSG00000122124,lncRNA	0.54710279	0.1792902
ENSMUSG00000042678.18,Myo15a,protein_coding	0.54664543	0.3599426
ENSMUSG00000035595.7,Fam174c,protein_coding	0.54614945	0.3369951
ENSMUSG00000040734.15,Ppp1r13l,protein_coding	0.54596655	0.1129779
ENSMUSG00000113154.2,Gm48713,TEC	0.5459108	0.3923787
ENSMUSG00000121091.2,Gm56861,lncRNA	0.54545836	0.2255219
ENSMUSG00000085342.2,Gm12254,processed_pseudogene	0.54530419	0.5109329
ENSMUSG00000043051.19,Disc1,protein_coding	0.54493561	0.0957096
ENSMUSG00000079553.13,Kifc1,protein_coding	0.54476984	0.4891805
ENSMUSG00000034872.7,Gipc3,protein_coding	0.54424086	0.228955
ENSMUSG00000108196.3,Gm36328,lncRNA	0.54421188	0.2279113
ENSMUSG00000118604.2,Gm53013,lncRNA	0.5434632	0.6684707
ENSMUSG00000085953.4,Gm15496,lncRNA	0.5430314	0.1002485
ENSMUSG00000022074.7,Tnfrsf10b,protein_coding	0.54169984	0.5228772
ENSMUSG00000126069.1,ENSMUSG00000126069,lncRNA	0.54154504	0.383084
ENSMUSG00000081208.2,Gm11400,processed_pseudogene	0.54148527	0.220697
ENSMUSG00000087434.3,Rab11fip4os1,lncRNA	0.54147634	0.7080829
ENSMUSG00000110403.2,Gm45553,TEC	0.54097853	0.048274
ENSMUSG00000085386.3,Gm13630,lncRNA	0.53983638	0.3588567
ENSMUSG00000038408.17,1700018A04Rik,lncRNA	0.53940487	0.1310969
ENSMUSG00000047139.10,Cd24a,protein_coding	0.53894369	0.4796473
ENSMUSG00000077212.3,Snord69,snoRNA	0.53885928	0.4262262
ENSMUSG00000086606.2,Gm13205,lncRNA	0.53642561	0.3326713
ENSMUSG00000143537.1,ENSMUSG00000143537,lncRNA	0.53416055	0.2612345
ENSMUSG00000083811.2,Gm13071,processed_pseudogene	0.53333792	0.2198718
ENSMUSG00000022900.15,Ildr1,protein_coding	0.53314182	0.7258352
ENSMUSG00000107117.2,Gm43842,TEC	0.5324949	0.3588868
ENSMUSG00000121252.1,Gm57410,lncRNA	0.53211405	0.3266066
ENSMUSG00000028848.14,Gpn2,protein_coding	0.53209438	0.1243027
ENSMUSG00000028610.17,Dmrtb1,protein_coding	0.53175623	0.4265978
ENSMUSG00000112690.3,Gm2446,transcribed_unprocessed_pseudogene	0.53150133	0.7346114
ENSMUSG00000024053.12,Emilin2,protein_coding	0.5310623	0.2364984
ENSMUSG00000127237.1,ENSMUSG00000127237,lncRNA	0.53078718	0.3387584
ENSMUSG00000124710.1,ENSMUSG00000124710,lncRNA	0.53051502	0.2107985
ENSMUSG00000083420.2,Gm15665,processed_pseudogene	0.53037828	0.2778803
ENSMUSG00000043333.13,Rhbdl2,protein_coding	0.52945659	0.3243226
ENSMUSG00000141378.1,ENSMUSG00000141378,lncRNA	0.52933441	0.0169041
ENSMUSG00000064768.3,Snord60,snoRNA	0.52922034	0.4662039
ENSMUSG00000135426.1,ENSMUSG00000135426,lncRNA	0.52903771	0.2676642
ENSMUSG00000038521.18,C1s1,protein_coding	0.52857105	0.6512799
ENSMUSG00000095677.3,Dynlt1f,protein_coding	0.52855147	0.3293769
ENSMUSG00000132981.1,ENSMUSG00000132981,lncRNA	0.52799521	0.1353611
ENSMUSG00000028778.16,Hcrtr1,protein_coding	0.52753144	0.3640682

ENSMUSG00000031344.12,Gabrq,protein_coding	0.52728636	0.4761006
ENSMUSG00000104415.2,Gm37069,TEC	0.5269291	0.1130925
ENSMUSG00000077457.3,Snord65,snoRNA	0.52679332	0.5260701
ENSMUSG00000038379.16,Ttk,protein_coding	0.52677759	0.7741986
ENSMUSG00000079410.5,Gm2897,protein_coding	0.52660358	0.1625014
ENSMUSG00000034796.15,Cpne7,protein_coding	0.52629343	0.1620695
ENSMUSG00000117912.2,Gm50383,lncRNA	0.52614958	0.32482
ENSMUSG00000142054.1,ENSMUSG00000142054,lncRNA	0.52557262	0.3908295
ENSMUSG00000102771.2,Gm33320,TEC	0.52547563	0.2180386
ENSMUSG00000087060.10,Eldr,lncRNA	0.52541324	0.5821937
ENSMUSG00002075789.1,Gm55066,misc_RNA	0.52500735	0.1642536
ENSMUSG00000118839.1,Gm25360,snRNA	0.52478819	0.3444227
ENSMUSG00000108325.2,Gm44898,TEC	0.52415821	0.0846157
ENSMUSG00000051029.9,Serpinb1b,protein_coding	0.52403538	0.4294877
ENSMUSG00000138440.1,ENSMUSG00000138440,lncRNA	0.52393561	0.1806505
ENSMUSG00000075270.12,Pde11a,protein_coding	0.52317657	0.0349113
ENSMUSG00000037139.16,Myom3,protein_coding	0.52304267	0.3004871
ENSMUSG00000127377.1,ENSMUSG00000127377,lncRNA	0.52297709	0.4745396
ENSMUSG00000116494.2,Gm49449,TEC	0.52293974	0.3874703
ENSMUSG00000006398.16,Cdc20,protein_coding	0.52291721	0.7122454
ENSMUSG00000035273.15,Hpse,protein_coding	0.5227753	0.8045458
ENSMUSG00000048572.6,Tmem252,protein_coding	0.52251365	0.5609605
ENSMUSG00000125512.1,ENSMUSG00000125512,lncRNA	0.52232309	0.2767068
ENSMUSG00000035202.9,Lars2,protein_coding	0.52219984	0.1773395
ENSMUSG00000004612.10,Nkg7,protein_coding	0.52159601	0.7620806
ENSMUSG00000054667.8,Irs4,protein_coding	0.52113033	0.5573276
ENSMUSG00000029675.13,Eln,protein_coding	0.52083025	0.0340611
ENSMUSG00000129595.1,ENSMUSG00000129595,lncRNA	0.52074914	0.1907897
ENSMUSG00000028965.14,Tnfrsf9,protein_coding	0.5202658	0.6093114
ENSMUSG00000075020.9,Mir670hg,lncRNA	0.5202213	0.0697827
ENSMUSG00000113076.2,Gm47088,TEC	0.51852647	0.2881552
ENSMUSG00000134358.1,ENSMUSG00000134358,lncRNA	0.51850237	0.3680948
ENSMUSG00000039891.7,Txlnb,protein_coding	0.51822163	0.0865321
ENSMUSG00000121005.1,Gm56769,lncRNA	0.51777097	0.4226746
ENSMUSG00000103846.2,Gm37809,TEC	0.51769947	0.2076124
ENSMUSG00000074916.6,Chst14,protein_coding	0.51756708	0.1716745
ENSMUSG00000036198.13,Arhgap36,protein_coding	0.51717781	0.4558238
ENSMUSG00000093064.5,Gm23153,misc_RNA	0.51649288	0.1807723
ENSMUSG00000101655.4,2310040G24Rik,lncRNA	0.51424822	0.3277494
ENSMUSG00000023940.15,Sgo1,protein_coding	0.51418891	0.8119509
ENSMUSG00000085620.4,G630018N14Rik,lncRNA	0.51385976	0.3992402
ENSMUSG00000032322.15,Pstpip1,protein_coding	0.51362968	0.3524279
ENSMUSG00000108103.3,Gm44081,lncRNA	0.51335878	0.1946681
ENSMUSG00002074933.1,Gm55532,miRNA	0.51304038	0.2349384
ENSMUSG00000079645.3,Gm17193,lncRNA	0.51247719	0.2795951
ENSMUSG00000108390.3,Gm39038,lncRNA	0.51241562	0.1327713
ENSMUSG00000000884.18,Gnb1l,protein_coding	0.5123693	0.0510759
ENSMUSG00000137809.1,ENSMUSG00000137809,lncRNA	0.51232707	0.1431638
ENSMUSG00000136569.1,ENSMUSG00000136569,lncRNA	0.51209927	0.0282438
ENSMUSG00000138708.1,ENSMUSG00000138708,lncRNA	0.51196012	0.2971745
ENSMUSG00000108092.2,Gm44189,TEC	0.511262	0.0860738
ENSMUSG00000137773.1,ENSMUSG00000137773,lncRNA	0.51120814	0.3342114

ENSMUSG00000085786.4,Gm15987,lncRNA	0.51072207	0.5210968
ENSMUSG00000114138.3,Gm36423,lncRNA	0.51049134	0.2526354
ENSMUSG00000130774.1,ENSMUSG00000130774,lncRNA	0.51046081	0.2355932
ENSMUSG00000023908.9,Pkmyt1,protein_coding	0.5103128	0.5174788
ENSMUSG00000020682.18,Mmp28,protein_coding	0.51012036	0.1171094
ENSMUSG00000064513.3,Snora9,snoRNA	0.50945286	0.3977934
ENSMUSG00000020155.3,Kcnmb1,protein_coding	0.50943024	0.1859726
ENSMUSG00000118667.1,Ahnak2,protein_coding	0.50934044	0.4658446
ENSMUSG00000139213.1,ENSMUSG00000139213,lncRNA	0.5093397	0.265211
ENSMUSG00000102796.2,Gm37711,TEC	0.50920388	0.0793106
ENSMUSG00000111092.2,Gm17875,processed_pseudogene	0.50917017	0.1621995
ENSMUSG00000119947.2,Gm56494,lncRNA	0.50908324	0.2589583
ENSMUSG00000097150.2,Gm26513,lncRNA	0.50823179	0.1751724
ENSMUSG00000065118.3,Gm23297,snoRNA	0.50801168	0.0419711
ENSMUSG00000105890.2,Gm42780,TEC	0.50796567	0.2447183
ENSMUSG00000041845.12,Rhod,protein_coding	0.50771472	0.4708763
ENSMUSG00000107676.2,Gm44178,TEC	0.50763195	0.2777913
ENSMUSG00000119278.1,Gm23092,snRNA	0.50735913	0.2656281
ENSMUSG00000082078.2,Gm12098,processed_pseudogene	0.50723027	0.5200082
ENSMUSG00000097998.2,Gm27019,lncRNA	0.50710925	0.5418856
ENSMUSG00000116262.2,Gm49544,lncRNA	0.50699522	0.3497095
ENSMUSG00000130160.1,ENSMUSG00000130160,lncRNA	0.5067422	0.2978767
ENSMUSG00000025058.5,Tasl,protein_coding	0.50594786	0.7347117
ENSMUSG00000103200.2,Gm37328,lncRNA	0.5055078	0.3239734
ENSMUSG00000106121.2,Gm42679,lncRNA	0.50550296	0.3179711
ENSMUSG00000001348.16,Acp5,protein_coding	0.50467021	0.7626333
ENSMUSG00000083287.5,Idi1-ps1,processed_pseudogene	0.50463045	0.7562609
ENSMUSG00000040666.21,Sh3bgr,protein_coding	0.50402714	0.2347533
ENSMUSG00000087578.3,Ccdc142os,lncRNA	0.50347341	0.2360131
ENSMUSG00000115007.4,5830448L01Rik,lncRNA	0.50309963	0.079872
ENSMUSG00000077563.3,Snora68,snoRNA	0.50283805	0.0555064
ENSMUSG00000123952.1,ENSMUSG00000123952,lncRNA	0.50272083	0.0316122
ENSMUSG00000051111.17,Sv2c,protein_coding	0.50214823	0.0327342
ENSMUSG00000118245.4,Gm30082,lncRNA	0.50210466	0.0937013
ENSMUSG00000046207.15,Pik3r6,protein_coding	0.50166275	0.1425612
ENSMUSG00000089726.4,Mir17hg,lncRNA	0.50164843	0.7881699
ENSMUSG00000116597.3,Gm536,lncRNA	0.50139021	0.3952261
ENSMUSG00000046610.16,Oacyl,protein_coding	0.5012907	0.2914355
ENSMUSG00000092124.4,B930094E09Rik,lncRNA	0.50108305	0.0587218
ENSMUSG00000077254.3,Gm26079,snoRNA	0.50075284	0.0161013
ENSMUSG00000092730.3,Snora24,snoRNA	0.500724	0.3307627
ENSMUSG00000028072.7,Ntrk1,protein_coding	0.50056567	0.5546671
ENSMUSG00000113691.2,Gm38699,transcribed_unprocessed_pseudogene	0.49976628	0.5342664
ENSMUSG00000123184.1,ENSMUSG00000123184,lncRNA	0.49972461	0.1351154
ENSMUSG00000137872.1,ENSMUSG00000137872,lncRNA	0.49908502	0.254716
ENSMUSG00000120717.2,Gm56791,lncRNA	0.49890816	0.4642915
ENSMUSG00000085218.10,BB218582,lncRNA	0.49823269	0.1810472
ENSMUSG00000047507.14,Baiap3,protein_coding	0.49763421	0.4077773
ENSMUSG00000126917.1,ENSMUSG00000126917,lncRNA	0.4974597	0.1556281
ENSMUSG00000075553.3,Gm5464,lncRNA	0.49723076	0.2335108
ENSMUSG00000104114.2,Gm37297,TEC	0.49714598	0.0843918
ENSMUSG00000088948.3,Gm23262,snoRNA	0.49703627	0.528917

ENSMUSG00000126352.1,ENSMUSG00000126352,lncRNA	0.4970048	0.2088039
ENSMUSG00000116882.2,Gm49614,TEC	0.49632816	0.3424917
ENSMUSG00000002100.16,Mybpc3,protein_coding	0.49551754	0.4614726
ENSMUSG00000138980.1,ENSMUSG00000138980,lncRNA	0.49549936	0.5767601
ENSMUSG00000111110.3,Gm36855,lncRNA	0.49546685	0.0682814
ENSMUSG00000004231.17,Pax2,protein_coding	0.49512038	0.3070117
ENSMUSG00000028655.12,Mfsd2a,protein_coding	0.49460891	0.1503614
ENSMUSG00000085112.4,A530072M11Rik,lncRNA	0.49430503	0.164553
ENSMUSG00000120221.2,Gm34917,lncRNA	0.49400351	0.1015933
ENSMUSG00000036768.7,Kif15,protein_coding	0.49321521	0.7032374
ENSMUSG00000082917.2,Gm11440,transcribed_processed_pseudogene	0.49301172	0.3178461
ENSMUSG00000020108.5,Ddit4,protein_coding	0.49298706	0.1699826
ENSMUSG00000040841.6,Six5,protein_coding	0.49272914	0.1150812
ENSMUSG00000135019.1,ENSMUSG00000135019,lncRNA	0.49244927	0.1426534
ENSMUSG00000105095.2,8430422M14Rik,TEC	0.49229904	0.2593804
ENSMUSG00000064901.3,Snora21,snoRNA	0.49211603	0.0827535
ENSMUSG00000022033.10,Pbk,protein_coding	0.49126754	0.8637516
ENSMUSG00000086288.2,Gm15265,lncRNA	0.49111635	0.1413721
ENSMUSG00000107412.3,Gm20383,lncRNA	0.49076245	0.3480633
ENSMUSG00000031430.9,Vsig1,protein_coding	0.49070364	0.8271317
ENSMUSG00000029360.4,Gm9754,lncRNA	0.49052471	0.1737789
ENSMUSG00000117905.2,Gm50230,lncRNA	0.49052045	0.2729416
ENSMUSG00000120543.2,Gm33049,lncRNA	0.49040202	0.3316347
ENSMUSG00000108169.2,Gm43958,TEC	0.48982426	0.4859704
ENSMUSG00000032268.14,Tmprss5,protein_coding	0.4897792	0.2182775
ENSMUSG00000066952.12,Myo1h,protein_coding	0.48977538	0.3337677
ENSMUSG00000129713.1,ENSMUSG00000129713,lncRNA	0.4895781	0.4205089
ENSMUSG00000109622.2,Gm45517,TEC	0.48919928	0.3390463
ENSMUSG00000120379.2,Gm56534,lncRNA	0.4891447	0.2490212
ENSMUSG00000044505.6,Lingo4,protein_coding	0.48894989	0.1986987
ENSMUSG00000107085.2,Gm42883,processed_pseudogene	0.48884463	0.2478049
ENSMUSG00000090135.2,Gm15809,lncRNA	0.48792293	0.3848241
ENSMUSG00000103828.2,2610001A08Rik,TEC	0.4877046	0.1271498
ENSMUSG00000046834.8,Krt1,protein_coding	0.48722469	0.2351049
ENSMUSG00000106710.2,Gm43166,lncRNA	0.48698502	0.1297426
ENSMUSG00000104806.2,Gm42566,TEC	0.48670579	0.5848601
ENSMUSG00000107491.2,Gm17893,processed_pseudogene	0.4866859	0.3265641
ENSMUSG00000119817.1,Gm24862,snoRNA	0.48661478	0.387088
ENSMUSG00000119397.1,Gm23310,snoRNA	0.48661478	0.387088
ENSMUSG00000119410.1,Gm25461,snoRNA	0.48661478	0.387088
ENSMUSG00000139891.1,ENSMUSG00000139891,lncRNA	0.48654358	0.8075063
ENSMUSG00000105422.2,Gm6089,processed_pseudogene	0.48636543	0.4016821
ENSMUSG00000024331.12,Dsc2,protein_coding	0.48598708	0.2398604
ENSMUSG00000086513.4,Gvin-ps1,transcribed_unprocessed_pseudogene	0.48577312	0.7806859
ENSMUSG00000116919.2,Gm17809,processed_pseudogene	0.48572026	0.3651817
ENSMUSG00000114329.2,Gm30489,lncRNA	0.48569156	0.312081
ENSMUSG00000021815.5,Mss51,protein_coding	0.48551359	0.2593673
ENSMUSG00000141777.1,ENSMUSG00000141777,lncRNA	0.48551144	0.4008243
ENSMUSG00000108736.2,Gm45151,lncRNA	0.48549855	0.2181345
ENSMUSG00000026480.13,Ncf2,protein_coding	0.48542834	0.5502494
ENSMUSG00000074345.5,Tnfaip8l3,protein_coding	0.48537716	0.2400893
ENSMUSG00000105896.2,Gm43311,TEC	0.48529488	0.2156283

ENSMUSG00000063439.8,B9d2,protein_coding	0.48504589	0.0913887
ENSMUSG00000104508.2,Gm37735,TEC	0.48451235	0.4103398
ENSMUSG00000103701.3,Gm10728,TEC	0.48397758	0.2583604
ENSMUSG00000084964.3,Gm15503,lncRNA	0.48382137	0.4001239
ENSMUSG00000127551.1,ENSMUSG00000127551,lncRNA	0.48370306	0.253716
ENSMUSG00000110124.2,Gm4247,transcribed_processed_pseudogene	0.48332508	0.2821357
ENSMUSG00000031574.9,Star,protein_coding	0.48324931	0.0687774
ENSMUSG00000120419.2,Gm57270,lncRNA	0.48300258	0.1376611
ENSMUSG00000027173.8,Depdc7,protein_coding	0.48289966	0.2647399
ENSMUSG00000104676.2,Gm42777,TEC	0.48260833	0.2683261
ENSMUSG00000102824.2,Pdcd5-ps,transcribed_processed_pseudogene	0.48257751	0.3092987
ENSMUSG00000118495.2,Gm21011,transcribed_processed_pseudogene	0.48249697	0.864547
ENSMUSG00000024481.6,Lvrn,protein_coding	0.48213949	0.3010582
ENSMUSG00000137230.1,ENSMUSG00000137230,lncRNA	0.48210538	0.2316644
ENSMUSG00000073758.11,Sh3d21,protein_coding	0.48179257	0.2124385
ENSMUSG00000005892.5,Trh,protein_coding	0.48172736	0.6676883
ENSMUSG00000044254.7,Pcsk9,protein_coding	0.48150413	0.2344862
ENSMUSG00000107755.2,Mageb16-ps2,processed_pseudogene	0.48144318	0.661406
ENSMUSG00000135903.1,ENSMUSG00000135903,lncRNA	0.48127042	0.4051664
ENSMUSG00000025013.16,Tll2,protein_coding	0.48093445	0.1507559
ENSMUSG00000096938.9,9530052E02Rik,lncRNA	0.48021245	0.2491161
ENSMUSG00000120486.2,Gm57346,lncRNA	0.48020097	0.2502017
ENSMUSG00000125567.1,ENSMUSG00000125567,lncRNA	0.47898507	0.3538078
ENSMUSG00000085227.4,6330418K02Rik,lncRNA	0.47883835	0.0385961
ENSMUSG00000060735.5,Rxfp3,protein_coding	0.47875404	0.1966504
ENSMUSG00000105620.2,Gm43047,TEC	0.47867796	0.3507761
ENSMUSG00000121394.1,Gm4988,lncRNA	0.47823176	0.1476302
ENSMUSG00000137581.1,ENSMUSG00000137581,lncRNA	0.47814084	0.1855783
ENSMUSG00000132664.1,ENSMUSG00000132664,lncRNA	0.47802799	0.6852869
ENSMUSG00000020892.11,Aloxe3,protein_coding	0.47796932	0.0856316
ENSMUSG00000084941.2,Gm11944,lncRNA	0.47777837	0.2013782
ENSMUSG00000070527.4,Mkrn3,protein_coding	0.47749618	0.2046295
ENSMUSG00000107994.3,D830050J10Rik,lncRNA	0.4773801	0.2588507
ENSMUSG00000097418.8,Mir155hg,lncRNA	0.47727274	0.7731324
ENSMUSG00000040212.13,Emp3,protein_coding	0.47717914	0.5393073
ENSMUSG00000121500.2,ENSMUSG00000121500,lncRNA	0.47692024	0.0643842
ENSMUSG00000102753.2,Gm37056,TEC	0.47667817	0.168093
ENSMUSG00000024114.16,Prss41,protein_coding	0.47652658	0.2654284
ENSMUSG00000003379.8,Cd79a,protein_coding	0.47617345	0.8382241
ENSMUSG00000118590.2,Gm15433,protein_coding	0.47598101	0.8296027
ENSMUSG00000031004.9,Mki67,protein_coding	0.47582827	0.8207103
ENSMUSG00000085715.4,Tsix,lncRNA	0.47524187	0.0941939
ENSMUSG00000024869.11,Gm49405,protein_coding	0.47500784	0.172009
ENSMUSG00000040287.10,Stac3,protein_coding	0.4748035	0.3420892
ENSMUSG00000112642.2,Gm17849,processed_pseudogene	0.47472687	0.2456327
ENSMUSG00000073412.7,Lst1,protein_coding	0.47442989	0.3659311
ENSMUSG00000064380.3,Gm26448,snoRNA	0.47440901	0.2998872
ENSMUSG00000120920.1,Gm56812,lncRNA	0.47438784	0.0564569
ENSMUSG00000037686.7,Aspg,protein_coding	0.47428545	0.1952643
ENSMUSG00000119162.1,Gm25989,snoRNA	0.47405623	0.168694
ENSMUSG00000121190.1,Gm56997,lncRNA	0.4739159	0.6636534
ENSMUSG00000115383.2,Gm49216,lncRNA	0.47357659	0.3221553

ENSMUSG00000045573.10,Penk,protein_coding	0.47325268	0.2776106
ENSMUSG00000068762.12,Gstm6,protein_coding	0.47315288	0.313985
ENSMUSG00000102844.2,Gm38034,TEC	0.47227434	0.3029026
ENSMUSG00000053368.14,Rxfp2,protein_coding	0.47226217	0.4550546
ENSMUSG00000108353.2,Gm45205,TEC	0.47217718	0.1031724
ENSMUSG00000113161.2,Gm47457,TEC	0.47183976	0.4078202
ENSMUSG00000025511.16,Tspan4,protein_coding	0.47175805	0.1784889
ENSMUSG00000068122.11,Agtr2,protein_coding	0.47141999	0.1110946
ENSMUSG00000121004.2,Gm57302,lncRNA	0.47139519	0.1718756
ENSMUSG00000064751.3,Gm26330,snoRNA	0.47089076	0.3537706
ENSMUSG00000078937.9,Cpt1b,protein_coding	0.47081177	0.3235088
ENSMUSG00000106682.2,Gm42648,TEC	0.47073418	0.0694333
ENSMUSG00000027555.9,Car13,protein_coding	0.47038434	0.4397957
ENSMUSG00000102770.2,Gm38163,lncRNA	0.47001855	0.4919442
ENSMUSG00000041559.8,Fmod,protein_coding	0.46936525	0.0982176
ENSMUSG00000143468.1,ENSMUSG00000143468,lncRNA	0.46929425	0.6032114
ENSMUSG00000064437.4,Snord49b,snoRNA	0.46883367	0.2736424
ENSMUSG00000020932.15,Gfap,protein_coding	0.46877245	0.2787969
ENSMUSG00002076675.1,Gm56334,misc_RNA	0.46850904	0.3765862
ENSMUSG00000112343.4,Sfta3-ps,lncRNA	0.4684142	0.7054967
ENSMUSG00000120773.1,Gm32113,lncRNA	0.46814995	0.4228747
ENSMUSG00000106291.2,1110003F10Rik,TEC	0.46814701	0.2639669
ENSMUSG00000064719.3,Gm25930,snRNA	0.46798744	0.206972
ENSMUSG00000096883.3,Shisa8,protein_coding	0.4675018	0.330204
ENSMUSG00000117959.3,D330050I16Rik,lncRNA	0.46679914	0.2330601
ENSMUSG00000015355.14,Cd48,protein_coding	0.46660738	0.800408
ENSMUSG00000110238.2,Gm19269,TEC	0.46654673	0.1898622
ENSMUSG00000126157.1,ENSMUSG00000126157,lncRNA	0.46649017	0.1078208
ENSMUSG00000116389.2,Gm49504,lncRNA	0.46610479	0.8186983
ENSMUSG00000103601.2,Gm18150,unprocessed_pseudogene	0.46583852	0.2160184
ENSMUSG00000019214.15,Chtf18,protein_coding	0.4657334	0.3906789
ENSMUSG00000113689.3,Gm29676,lncRNA	0.46520645	0.2669779
ENSMUSG00000118790.1,Gm25939,snRNA	0.4650055	0.2816974
ENSMUSG00000104720.2,Gm43138,lncRNA	0.46481494	0.1226827
ENSMUSG00000109648.2,Svet1,TEC	0.46441831	0.0761748
ENSMUSG00000082908.5,Gm13736,transcribed_processed_pseudogene	0.46406053	0.3285715
ENSMUSG00000126267.1,ENSMUSG00000126267,lncRNA	0.46388942	0.24473
ENSMUSG00000103634.2,3110062G12Rik,TEC	0.4638093	0.3381025
ENSMUSG00000129448.1,ENSMUSG00000129448,lncRNA	0.46369402	0.2504274
ENSMUSG00000047730.18,Fcgbp,protein_coding	0.46340727	0.8553211
ENSMUSG00000071317.5,Bves,protein_coding	0.46334351	0.2452593
ENSMUSG00000141229.1,ENSMUSG00000141229,lncRNA	0.46300919	0.1126498
ENSMUSG00000038644.15,Pold1,protein_coding	0.46230817	0.4153527
ENSMUSG00000020169.5,Best3,protein_coding	0.46230807	0.3864025
ENSMUSG00000055912.9,Tmem150a,protein_coding	0.46218778	0.0863667
ENSMUSG00000091864.3,Gm17102,lncRNA	0.46153457	0.1626285
ENSMUSG00000096351.3,Samd11,protein_coding	0.4615175	0.2215983
ENSMUSG00000022580.14,Rhpn1,protein_coding	0.4611795	0.177054
ENSMUSG00000024989.16,Cep55,protein_coding	0.46114807	0.7956178
ENSMUSG00002074853.1,Scarna3a,scaRNA	0.46083576	0.2933953
ENSMUSG00000033508.9,Asprv1,protein_coding	0.46050199	0.3095485
ENSMUSG00000048277.16,Syngr2,protein_coding	0.46042551	0.6404369

ENSMUSG00000074731.4,Zfp345,protein_coding	0.46028771	0.8795944
ENSMUSG00000102674.3,8030442B05Rik,lncRNA	0.46017206	0.5164153
ENSMUSG00000010342.17,Tex14,protein_coding	0.46017014	0.7099078
ENSMUSG00000117063.3,Gm49936,lncRNA	0.45981286	0.1861739
ENSMUSG00000040441.13,Slc26a10,protein_coding	0.45969964	0.341339
ENSMUSG00000132379.1,ENSMUSG00000132379,lncRNA	0.45913623	0.14498
ENSMUSG00000105387.3,Gm29681,lncRNA	0.4583834	0.5800141
ENSMUSG00000142676.1,ENSMUSG00000142676,lncRNA	0.45801727	0.2758291
ENSMUSG00000108486.2,Gm44836,lncRNA	0.45795491	0.4566614
ENSMUSG00000027318.18,Adam33,protein_coding	0.45779806	0.3431122
ENSMUSG00000032925.17,Itgbl1,protein_coding	0.45744535	0.2446173
ENSMUSG00000033538.14,Casp4,protein_coding	0.45740786	0.7945837
ENSMUSG00000061462.19,Obscn,protein_coding	0.4573844	0.3488883
ENSMUSG00000109337.2,Gm45047,TEC	0.45722993	0.3179872
ENSMUSG00000128866.1,ENSMUSG00000128866,lncRNA	0.45704974	0.2801398
ENSMUSG00000061356.14,Nuggc,protein_coding	0.45674818	0.8728739
ENSMUSG00000105366.2,Gm43719,TEC	0.45646664	0.1849232
ENSMUSG00000112449.2,Srp54b,protein_coding	0.45640231	0.3384432
ENSMUSG00000129086.1,ENSMUSG00000129086,lncRNA	0.45602401	0.542758
ENSMUSG00000025515.17,Muc2,protein_coding	0.45601505	0.4788007
ENSMUSG00000134596.1,ENSMUSG00000134596,lncRNA	0.45564782	0.435689
ENSMUSG00000014453.5,Blk,protein_coding	0.45551946	0.875168
ENSMUSG00000119388.1,Snord16a,snoRNA	0.45550522	0.308462
ENSMUSG00000079190.4,ENSMUSG00000079190,protein_coding	0.45542883	0.8869089
ENSMUSG00000120045.2,Gm46280,lncRNA	0.45537168	0.3046878
ENSMUSG00000105084.2,Gm43365,TEC	0.45536147	0.1542683
ENSMUSG00000037225.14,Fgf2,protein_coding	0.45530461	0.0106817
ENSMUSG00000140457.1,ENSMUSG00000140457,lncRNA	0.45520829	0.7252974
ENSMUSG00000019982.16,Myb,protein_coding	0.45516762	0.7539661
ENSMUSG00000119073.1,Gm25175,snoRNA	0.45508255	0.5034465
ENSMUSG00000027463.15,Slc52a3,protein_coding	0.45507638	0.2436673
ENSMUSG00000033170.15,Card10,protein_coding	0.45495921	0.2213093
ENSMUSG00000138691.1,ENSMUSG00000138691,lncRNA	0.45468426	0.4385989
ENSMUSG00000005470.9,Asf1b,protein_coding	0.45438281	0.7763362
ENSMUSG00000031506.12,Ptpn7,protein_coding	0.454174	0.5195896
ENSMUSG00000124097.1,ENSMUSG00000124097,lncRNA	0.45405577	0.3523386
ENSMUSG00000008028.16,1700008O03Rik,protein_coding	0.45400888	0.2171073
ENSMUSG00000106543.2,Gm43378,lncRNA	0.45336969	0.4351082
ENSMUSG00000073705.11,Cenps,protein_coding	0.45331237	0.4197335
ENSMUSG00000001494.7,Sost,protein_coding	0.45317827	0.3516779
ENSMUSG00000108359.2,C430039J01Rik,TEC	0.45302041	0.3556067
ENSMUSG00000097125.5,Gm26885,lncRNA	0.45276671	0.4491524
ENSMUSG00000104052.2,Gm38125,TEC	0.45243275	0.111191
ENSMUSG00000097250.4,Gm26771,lncRNA	0.45184546	0.4357005
ENSMUSG00000098097.10,6530403H02Rik,lncRNA	0.45115501	0.227553
ENSMUSG00000090785.2,Gm17116,lncRNA	0.45108908	0.4599282
ENSMUSG00000112907.2,Gm47015,lncRNA	0.45054414	0.830404
ENSMUSG00000048521.9,Cxcr6,protein_coding	0.45038689	0.712321
ENSMUSG00000105987.7,AI506816,lncRNA	0.45034243	0.6928423
ENSMUSG00000108847.4,B830042I05Rik,lncRNA	0.45021099	0.3135202
ENSMUSG00000060586.12,H2-Eb1,protein_coding	0.45020976	0.7935756
ENSMUSG00000105611.2,Gm42938,lncRNA	0.45014421	0.4431399

ENSMUSG00000123640.1,ENSMUSG00000123640,lncRNA	0.44996298	0.1305382
ENSMUSG00000103694.2,Gm37530,TEC	0.44980002	0.2464475
ENSMUSG00000031530.7,Dusp4,protein_coding	0.44974229	0.0870508
ENSMUSG00000121914.1,Sts,protein_coding	0.44946383	0.1796948
ENSMUSG00000115810.4,Gm49066,lncRNA	0.44905137	0.301675
ENSMUSG00000109873.2,Gm45407,TEC	0.4490055	0.1415057
ENSMUSG00000107375.2,Gm43084,TEC	0.44887478	0.3115959
ENSMUSG00000092713.3,Gm22858,snoRNA	0.44884996	0.4642936
ENSMUSG00000031910.15,Has3,protein_coding	0.44873119	0.0585906
ENSMUSG00000065208.3,Gm24616,snoRNA	0.44867427	0.5564347
ENSMUSG00000110239.4,Gm45620,lncRNA	0.44806915	0.2363912
ENSMUSG00000104034.2,2900092N22Rik,TEC	0.44779963	0.4490176
ENSMUSG00000100306.2,Gm29362,lncRNA	0.44751523	0.3303344
ENSMUSG00000086477.6,Gm57488,transcribed_unitary_pseudogene	0.44740265	0.4250392
ENSMUSG00000033774.5,Npbwr1,protein_coding	0.44736259	0.5151353
ENSMUSG00000125058.1,ENSMUSG00000125058,lncRNA	0.44695392	0.2178357
ENSMUSG00000109257.2,Gm45200,TEC	0.44682884	0.1293701
ENSMUSG00000108126.2,Gm43909,TEC	0.44674727	0.297873
ENSMUSG00000097986.4,Gm26953,lncRNA	0.44661556	0.364046
ENSMUSG00000132591.1,ENSMUSG00000132591,lncRNA	0.44639191	0.302147
ENSMUSG00000124272.1,ENSMUSG00000124272,lncRNA	0.44611703	0.2211753
ENSMUSG00000006517.6,Mvd,protein_coding	0.44559319	0.0947184
ENSMUSG00000025243.18,Slc6a20b,protein_coding	0.44554558	0.1976295
ENSMUSG00000119353.1,Gm23144,snRNA	0.44549049	0.4134058
ENSMUSG00000044139.13,Prss53,protein_coding	0.44518582	0.2307932
ENSMUSG00000103233.2,Gm37159,TEC	0.44491773	0.145796
ENSMUSG00000127700.1,ENSMUSG00000127700,lncRNA	0.44484874	0.4614407
ENSMUSG00000079017.4,Ifi27l2a,protein_coding	0.44466684	0.6776915
ENSMUSG00000141213.1,ENSMUSG00000141213,lncRNA	0.44461125	0.2705643
ENSMUSG00000064647.3,Gm23301,snoRNA	0.44402667	0.2998914
ENSMUSG00000131962.1,ENSMUSG00000131962,lncRNA	0.44400381	0.3138241
ENSMUSG00000071713.7,Csf2rb,protein_coding	0.4439966	0.6755558
ENSMUSG00000144090.1,ENSMUSG00000144090,lncRNA	0.44368797	0.4592583
ENSMUSG00000002668.9,Dennd1c,protein_coding	0.44363627	0.6020038
ENSMUSG00000133043.1,ENSMUSG00000133043,lncRNA	0.44305514	0.4073251
ENSMUSG00000015468.15,Notch4,protein_coding	0.44295033	0.0831179
ENSMUSG00000140534.1,ENSMUSG00000140534,lncRNA	0.44270415	0.3911915
ENSMUSG00000112900.2,Gm48204,TEC	0.44260553	0.2415613
ENSMUSG00000017861.12,Mybl2,protein_coding	0.44237701	0.6438187
ENSMUSG00000093861.3,Igkv1-110,IG_V_gene	0.44220264	0.8616811
ENSMUSG00000025572.19,Tmc6,protein_coding	0.44169999	0.4939206
ENSMUSG00000031825.17,Crispld2,protein_coding	0.44165815	0.1867347
ENSMUSG00000079419.5,Ms4a6c,protein_coding	0.4416266	0.7519263
ENSMUSG00000065041.3,Gm24044,snoRNA	0.44146486	0.1187121
ENSMUSG00000051246.4,Msantd1,protein_coding	0.4410685	0.5274804
ENSMUSG00000105228.2,Gm43340,TEC	0.44099783	0.0774409
ENSMUSG00000089952.3,4933413C19Rik,lncRNA	0.44090259	0.3217809
ENSMUSG00000121628.2,Gm4832,lncRNA	0.44040484	0.1013431
ENSMUSG00000135752.1,ENSMUSG00000135752,lncRNA	0.44031999	0.3158645
ENSMUSG00000067786.17,Nnat,protein_coding	0.44028662	0.0888807
ENSMUSG00000035486.15,Plk5,protein_coding	0.44023581	0.0898298
ENSMUSG00000104240.2,Gm36858,unprocessed_pseudogene	0.43990717	0.1451961

ENSMUSG00000142543.1,ENSMUSG00000142543,lncRNA	0.43954571	0.3044638
ENSMUSG00000012819.17,Cdh23,protein_coding	0.43902215	0.3176546
ENSMUSG00000119058.1,Gm22628,snRNA	0.43868471	0.379322
ENSMUSG00000032372.15,Plscr2,protein_coding	0.43819006	0.3022228
ENSMUSG00000020178.7,Adora2a,protein_coding	0.43789117	0.6105594
ENSMUSG00000111271.2,Gm48127,lncRNA	0.43777201	0.2448851
ENSMUSG00000103280.2,Gm37277,TEC	0.43772366	0.1532337
ENSMUSG00000031146.7,Plp2,protein_coding	0.4374511	0.5785717
ENSMUSG00000107456.2,Gm10400,TEC	0.4373274	0.1993086
ENSMUSG00000103046.2,Gm37309,TEC	0.43716612	0.208358
ENSMUSG00000019122.9,Ccl9,protein_coding	0.43713587	0.7116361
ENSMUSG00000122851.1,ENSMUSG00000122851,lncRNA	0.43712632	0.2901718
ENSMUSG00000084936.3,Gm11583,lncRNA	0.43708639	0.1295188
ENSMUSG00000019942.14,Cdk1,protein_coding	0.43642099	0.8404027
ENSMUSG00000085206.2,Gm13380,lncRNA	0.43630688	0.24948
ENSMUSG00000077505.3,Gm24233,snoRNA	0.43609243	0.316465
ENSMUSG00000075502.3,Kbtbd6,protein_coding	0.43600566	0.4802209
ENSMUSG00000121224.2,C030014O09Rik,lncRNA	0.43581272	0.3434781
ENSMUSG00000102493.2,Gm8010,unprocessed_pseudogene	0.43559541	0.5203766
ENSMUSG00000106887.2,A930005G22Rik,TEC	0.43537898	0.1790714
ENSMUSG00000050022.17,Amz1,protein_coding	0.4353395	0.1421775
ENSMUSG00000102618.2,Gm37848,TEC	0.43533169	0.2391239
ENSMUSG00000133223.1,ENSMUSG00000133223,lncRNA	0.4352281	0.3067951
ENSMUSG00000120785.2,Gm56741,lncRNA	0.43476791	0.3233861
ENSMUSG00000107008.6,Gm2762,lncRNA	0.43428296	0.2265495
ENSMUSG00000117069.3,Gm49894,lncRNA	0.43420734	0.2342156
ENSMUSG00000054434.15,Tmem120b,protein_coding	0.43414733	0.0392079
ENSMUSG00000042353.10,Frem3,protein_coding	0.43376035	0.3173853
ENSMUSG00000089255.3,Snora78,snoRNA	0.43353387	0.0743231
ENSMUSG00000065219.3,Snord32a,snoRNA	0.43339326	0.2736883
ENSMUSG00000109399.2,Gm44982,lncRNA	0.43297436	0.2554958
ENSMUSG00000062081.7,Gm6055,processed_pseudogene	0.43254318	0.6461819
ENSMUSG00000088008.3,Gm25492,scaRNA	0.43235032	0.1495238
ENSMUSG00000097876.3,Gm16892,lncRNA	0.43222214	0.3418524
ENSMUSG00000112103.2,Gm47018,lncRNA	0.43207073	0.6230805
ENSMUSG00000065778.3,Gm22154,snoRNA	0.43203367	0.162405
ENSMUSG00000052496.6,Pkdrej,protein_coding	0.43179874	0.4272924
ENSMUSG00000116557.3,4933432I09Rik,lncRNA	0.43170473	0.2179613
ENSMUSG00000107033.2,Gm43553,TEC	0.43144135	0.3424268
ENSMUSG00000109179.3,Wdr97,protein_coding	0.43131571	0.1345085
ENSMUSG00000103998.3,Gm38025,lncRNA	0.43128016	0.1094255
ENSMUSG00000103483.2,Gm20162,processed_pseudogene	0.43107321	0.2573347
ENSMUSG00000033967.5,Rnf225,protein_coding	0.43090087	0.2018929
ENSMUSG00000112089.2,Gm47712,lncRNA	0.43074042	0.4507734
ENSMUSG00000023348.12,Trip6,protein_coding	0.43052444	0.1529424
ENSMUSG00000105350.4,4930537H20Rik,lncRNA	0.42995371	0.331007
ENSMUSG00000071665.11,Foxr2,protein_coding	0.4298108	0.2788538
ENSMUSG00000110564.2,Gm45697,TEC	0.4297571	0.2847985
ENSMUSG00000129405.1,ENSMUSG00000129405,lncRNA	0.42975104	0.4253496
ENSMUSG00000081999.4,Gm13461,transcribed_processed_pseudogene	0.42973431	0.4653344
ENSMUSG00000106056.3,4930500L23Rik,lncRNA	0.42957893	0.4838141
ENSMUSG00000010142.13,Tnfrsf13b,protein_coding	0.42946933	0.8142527

ENSMUSG00000115278.3,Gm34150,lncRNA	0.42941544	0.5392549
ENSMUSG00000105979.2,Gm43411,TEC	0.42923279	0.1845005
ENSMUSG00000051067.9,Lingo3,protein_coding	0.42912913	0.0662781
ENSMUSG00000092335.3,Zfp977,protein_coding	0.42897587	0.1475194
ENSMUSG00000131341.1,ENSMUSG00000131341,lncRNA	0.42892243	0.3777393
ENSMUSG00000120803.1,Larp4b,lncRNA	0.42820299	0.1080173
ENSMUSG00000065295.3,Gm24134,snoRNA	0.42817568	0.6547517
ENSMUSG00000116238.2,Gm49413,TEC	0.42714247	0.1029884
ENSMUSG00000132274.1,ENSMUSG00000132274,lncRNA	0.42690293	0.1186455
ENSMUSG00000037621.9,Atoh8,protein_coding	0.42660423	0.2932181
ENSMUSG00000121088.2,Gm57138,lncRNA	0.42651599	0.236933
ENSMUSG00000092212.5,Slc22a13b,protein_coding	0.42650368	0.1841299
ENSMUSG00000110156.5,Gm42067,lncRNA	0.42622029	0.1327918
ENSMUSG00000111631.2,Gm32017,lncRNA	0.42616226	0.5570853
ENSMUSG00000034773.17,Hrob,protein_coding	0.42614078	0.5490494
ENSMUSG00000049112.10,Oxtr,protein_coding	0.42603684	0.2876612
ENSMUSG00000006930.16,Hap1,protein_coding	0.42590946	0.1926014
ENSMUSG00000031355.17,Arhgap6,protein_coding	0.42556661	0.2222955
ENSMUSG00000097513.2,Gm26696,TEC	0.42544881	0.3003025
ENSMUSG00000124734.1,ENSMUSG00000124734,lncRNA	0.42538862	0.3481814
ENSMUSG00000028175.16,Depdc1a,protein_coding	0.42497456	0.879848
ENSMUSG00000143161.1,ENSMUSG00000143161,lncRNA	0.42483176	0.5629065
ENSMUSG00000002249.22,Tead3,protein_coding	0.42480928	0.3621651
ENSMUSG00000069913.4,Anp32-ps,processed_pseudogene	0.42432631	0.4430742
ENSMUSG00000038522.8,Mfsd4b1,protein_coding	0.42423449	0.3985884
ENSMUSG00000106497.2,Gm43195,TEC	0.42403011	0.1779429
ENSMUSG00000103313.2,Gm38357,TEC	0.42370936	0.0927296
ENSMUSG00000014852.17,Adamts13,protein_coding	0.42364502	0.6996327
ENSMUSG00000022014.17,Epsti1,protein_coding	0.42358029	0.7348481
ENSMUSG00000102850.2,Gm37082,TEC	0.42342189	0.3781371
ENSMUSG00000046167.6,Gldn,protein_coding	0.4230855	0.1204778
ENSMUSG00000092626.4,9130230N09Rik,lncRNA	0.42297414	0.3355424
ENSMUSG00000063543.6,Gm5616,processed_pseudogene	0.42282923	0.463217
ENSMUSG00000091058.3,Gm17538,processed_pseudogene	0.42251563	0.8015035
ENSMUSG00000131735.1,ENSMUSG00000131735,lncRNA	0.42240184	0.1533937
ENSMUSG00000089542.3,Gm25835,snoRNA	0.42236122	0.1970366
ENSMUSG00000112390.4,Gm20208,lncRNA	0.422269	0.4138055
ENSMUSG00000120175.2,Gm56912,lncRNA	0.42161886	0.1306657
ENSMUSG00000026564.10,Styxl2,protein_coding	0.42113071	0.3828331
ENSMUSG00000104244.2,2900018N21Rik,TEC	0.42100398	0.196372
ENSMUSG00000109419.3,Gm45163,lncRNA	0.4209672	0.2897216
ENSMUSG00000104157.2,Gm38101,lncRNA	0.42046284	0.2552175
ENSMUSG00000037411.12,Serpine1,protein_coding	0.42039426	0.5751616
ENSMUSG00000028370.8,Pappa,protein_coding	0.41984961	0.371167
ENSMUSG00000097416.6,Gm26670,lncRNA	0.4196027	0.2811835
ENSMUSG00000035711.6,Dok3,protein_coding	0.41937913	0.3980358
ENSMUSG00000120358.2,Gm56786,lncRNA	0.41921779	0.3459528
ENSMUSG00000091680.4,Klhdc7b,protein_coding	0.4188098	0.2290981
ENSMUSG00000021886.8,Gpr65,protein_coding	0.4185577	0.7701756
ENSMUSG00000005057.14,Sh2b2,protein_coding	0.41840228	0.615368
ENSMUSG00000035773.7,Kiss1r,protein_coding	0.41828286	0.1168492
ENSMUSG00000070167.3,Snora57,snoRNA	0.41825137	0.3685488

ENSMUSG00000133659.1,ENSMUSG00000133659,lncRNA	0.41755017	0.4845073
ENSMUSG00000085289.3,Gm15337,lncRNA	0.41739089	0.2296594
ENSMUSG00000081559.4,Gm12411,processed_pseudogene	0.41686975	0.6880448
ENSMUSG00000103386.2,Gm37751,lncRNA	0.41679696	0.3640388
ENSMUSG00000095730.4,Vmn2r29,protein_coding	0.41534272	0.3620869
ENSMUSG00000111626.2,Gm48738,processed_pseudogene	0.41498458	0.2798682
ENSMUSG00000061878.17,Sphk1,protein_coding	0.41485959	0.2347921
ENSMUSG00000106946.2,Gm42856,TEC	0.41450143	0.2179089
ENSMUSG00000043257.16,Pigv,protein_coding	0.41417295	0.0756067
ENSMUSG00000114024.4,Gm46336,lncRNA	0.41349908	0.4151441
ENSMUSG00000015843.11,Rxrg,protein_coding	0.41321408	0.4373257
ENSMUSG00000072082.8,Ccnf,protein_coding	0.41289544	0.3224293
ENSMUSG00000123333.1,ENSMUSG00000123333,lncRNA	0.41286535	0.8135224
ENSMUSG00000034329.17,Brip1,protein_coding	0.41283315	0.8137696
ENSMUSG00000025271.14,Pfkfb1,protein_coding	0.41241288	0.5420987
ENSMUSG00000028463.15,Car9,protein_coding	0.41198367	0.4726279
ENSMUSG00000103560.2,Gm38070,TEC	0.41191951	0.4682943
ENSMUSG00000079022.11,Col22a1,protein_coding	0.4115654	0.0833416
ENSMUSG00000131621.1,ENSMUSG00000131621,lncRNA	0.4114958	0.0962932
ENSMUSG00000107295.2,Gm42896,TEC	0.41124391	0.2701203
ENSMUSG00000061718.13,Ppp1r1b,protein_coding	0.41097822	0.3983702
ENSMUSG00000113766.2,Gm47374,TEC	0.41085295	0.5338846
ENSMUSG00000109982.2,Gm45520,TEC	0.41079436	0.6103364
ENSMUSG00000103135.2,Gm37979,TEC	0.41056165	0.3249325
ENSMUSG00000047878.14,A4galt,protein_coding	0.40997883	0.4222228
ENSMUSG00000070522.5,Gm6505,transcribed_processed_pseudogene	0.40992839	0.7395616
ENSMUSG00000035783.10,Acta2,protein_coding	0.40990309	0.1136925
ENSMUSG00000046179.18,E2f8,protein_coding	0.4098818	0.8582976
ENSMUSG00000113511.2,Gm19046,processed_pseudogene	0.40951462	0.2308404
ENSMUSG00000130913.1,ENSMUSG00000130913,lncRNA	0.40913282	0.2374372
ENSMUSG00000043794.10,D830025C05Rik,lncRNA	0.40901506	0.2506795
ENSMUSG00000097404.4,Gm10814,lncRNA	0.40820799	0.2979269
ENSMUSG00000102564.3,Gm37035,lncRNA	0.40740055	0.1174523
ENSMUSG00000038704.13,Aspdh,protein_coding	0.40691299	0.3135514
ENSMUSG00000121015.1,Gm56721,lncRNA	0.40679799	0.2634726
ENSMUSG00000056671.8,Prelid2,protein_coding	0.4067851	0.6894221
ENSMUSG00000085488.3,4930557F10Rik,lncRNA	0.40650004	0.6194572
ENSMUSG00000064359.1,mt-Tg,Mt_tRNA	0.40630373	0.2736012
ENSMUSG00000064493.3,Snora28,snoRNA	0.40613707	0.4656092
ENSMUSG00000028088.15,Fmo5,protein_coding	0.40586169	0.1677358
ENSMUSG00000117947.2,Gm50226,TEC	0.40572699	0.3486437
ENSMUSG00000068696.7,Gpr88,protein_coding	0.40548846	0.642254
ENSMUSG00000030263.14,Irag2,protein_coding	0.40540047	0.7936503
ENSMUSG00000142128.1,ENSMUSG00000142128,lncRNA	0.40517345	0.1348939
ENSMUSG00000045382.7,Cxcr4,protein_coding	0.40441011	0.7996857
ENSMUSG00000139788.1,ENSMUSG00000139788,lncRNA	0.40406558	0.2538691
ENSMUSG00000119892.1,Gm23971,snRNA	0.4038392	0.4248846
ENSMUSG00000126148.1,ENSMUSG00000126148,lncRNA	0.40301473	0.3338921
ENSMUSG00000000817.11,Fasl,protein_coding	0.40295939	0.7251139
ENSMUSG00000062248.6,Cks2,protein_coding	0.40295689	0.7740059
ENSMUSG00000108551.2,Gm20274,lncRNA	0.40246343	0.2417967
ENSMUSG00000074813.17,Morrbid,lncRNA	0.40224796	0.5868903

ENSMUSG00000038811.14,Gngt2,protein_coding	0.40222426	0.7247976
ENSMUSG00000098183.2,Gm27010,lncRNA	0.4019425	0.4161069
ENSMUSG00000039109.18,F13a1,protein_coding	0.40178317	0.6717059
ENSMUSG00000020096.22,Tbata,protein_coding	0.40150865	0.431241
ENSMUSG00000043448.14,Gjc2,protein_coding	0.40143948	0.1054042
ENSMUSG00000120362.2,2810449D17Rik,lncRNA	0.40134363	0.3051781
ENSMUSG00000107090.3,Gm42884,lncRNA	0.40126254	0.2481361
ENSMUSG00000107092.2,Gm7993,processed_pseudogene	0.40106464	0.6219456
ENSMUSG00000058396.8,Gpr182,protein_coding	0.40096056	0.3874709
ENSMUSG00000138273.1,ENSMUSG00000138273,lncRNA	0.40078499	0.4724906
ENSMUSG00000103818.2,Gm38009,TEC	0.40041978	0.1336884
ENSMUSG00000100555.2,Gm8173,processed_pseudogene	0.40040654	0.3903529
ENSMUSG00000055494.6,Gm14168,lncRNA	0.40033616	0.2606087
ENSMUSG00000059991.8,Nptx2,protein_coding	0.40015224	0.4294957
ENSMUSG00000115333.3,Gm34590,lncRNA	0.40013989	0.3152977
ENSMUSG00000033717.7,Adra2a,protein_coding	0.40009317	0.1452809
ENSMUSG00000028464.17,Tpm2,protein_coding	0.39968836	0.0952356
ENSMUSG00000030468.13,Siglecg,protein_coding	0.39968744	0.8934557
ENSMUSG00000111348.3,Gm19531,lncRNA	0.39967898	0.3886658
ENSMUSG00000135126.1,ENSMUSG00000135126,lncRNA	0.399596	0.4181086
ENSMUSG00000114545.3,Gm32184,lncRNA	0.39938768	0.2483022
ENSMUSG00000109416.2,Gm44863,TEC	0.3986139	0.2175834
ENSMUSG00000104117.7,Gm20743,lncRNA	0.39848447	0.275036
ENSMUSG00000025044.17,Msr1,protein_coding	0.39805789	0.8636939
ENSMUSG00000114220.3,Gm10353,lncRNA	0.39795943	0.2488894
ENSMUSG00000111442.2,Gm48334,TEC	0.39781904	0.303363
ENSMUSG00000143881.1,ENSMUSG00000143881,lncRNA	0.39780861	0.6756883
ENSMUSG00000102709.2,Gm38308,TEC	0.39764734	0.4545806
ENSMUSG00000117647.3,Gm49969,lncRNA	0.39737441	0.4754343
ENSMUSG00000091985.2,Gm17354,lncRNA	0.39690165	0.0525851
ENSMUSG00000140427.1,ENSMUSG00000140427,lncRNA	0.39684502	0.2980381
ENSMUSG00000108137.2,Gm44053,lncRNA	0.39644268	0.1433308
ENSMUSG00000109874.2,Gm9911,TEC	0.39630474	0.2055741
ENSMUSG00000131947.1,ENSMUSG00000131947,lncRNA	0.39615418	0.4990622
ENSMUSG00000104764.2,Gm43066,lncRNA	0.39600231	0.4536164
ENSMUSG00000120847.1,Gm56991,lncRNA	0.39561139	0.170397
ENSMUSG00000103685.2,Gm37074,TEC	0.39552294	0.2440526
ENSMUSG00000105264.2,Gm42716,lncRNA	0.39541644	0.3310912
ENSMUSG00000022464.15,Slc38a4,protein_coding	0.39510627	0.467116
ENSMUSG00000080465.3,Snord94,snoRNA	0.39495141	0.0255136
ENSMUSG00000073733.5,Cplane2,protein_coding	0.39486144	0.4016489
ENSMUSG00000106951.2,5930430L01Rik,lncRNA	0.3947947	0.1164496
ENSMUSG00000026322.10,Htr4,protein_coding	0.39449654	0.259268
ENSMUSG00000100975.3,Gm28875,lncRNA	0.39448221	0.2972555
ENSMUSG00000089759.9,3632454L22Rik,lncRNA	0.39430874	0.251414
ENSMUSG00000090256.2,Alms1-ps1,transcribed_unprocessed_pseudogene	0.39428439	0.3906299
ENSMUSG00000022210.8,Dhrs4,protein_coding	0.39405107	0.0757435
ENSMUSG00000030170.15,Wnt5b,protein_coding	0.39333898	0.5353287
ENSMUSG00000044770.15,Scml4,protein_coding	0.39331695	0.2244204
ENSMUSG00000080542.3,Rnu4atac,snRNA	0.39296897	0.2520784
ENSMUSG00000108790.2,Gm44806,TEC	0.39257119	0.162256
ENSMUSG00000121067.1,Gm56901,lncRNA	0.39256511	0.1622424

ENSMUSG00000073538.13,E330020D12Rik,lncRNA	0.39253271	0.7519603
ENSMUSG00000043410.17,Hfm1,protein_coding	0.39230971	0.7368222
ENSMUSG00000074575.5,Kcng1,protein_coding	0.39226788	0.2613449
ENSMUSG00000045231.7,BC106179,lncRNA	0.39216212	0.4896883
ENSMUSG00000112150.2,9530018F02Rik,lncRNA	0.39196782	0.2098593
ENSMUSG00000107068.2,Gm42742,protein_coding	0.39191909	0.3601561
ENSMUSG00000092415.5,Gm20513,lncRNA	0.39135741	0.8211487
ENSMUSG00000139155.1,ENSMUSG00000139155,lncRNA	0.39108201	0.3189399
ENSMUSG00000009145.7,Dqx1,protein_coding	0.39107679	0.545929
ENSMUSG00000047371.8,Zfp768,protein_coding	0.39099537	0.0454812
ENSMUSG00000043243.16,Niban3,protein_coding	0.39091517	0.4868709
ENSMUSG00000120615.2,Gm56802,lncRNA	0.39085168	0.1706751
ENSMUSG00000035228.16,Ccdc106,protein_coding	0.39062298	0.1195871
ENSMUSG00000086645.4,Gm15743,lncRNA	0.39017035	0.3204887
ENSMUSG00000049580.13,Tsku,protein_coding	0.39014954	0.2135775
ENSMUSG00000027209.19,Fam227b,protein_coding	0.38985045	0.242272
ENSMUSG00000063564.14,Col23a1,protein_coding	0.38978911	0.0918314
ENSMUSG00000079259.3,Trim71,protein_coding	0.38951276	0.3803939
ENSMUSG00000087881.3,Gm22442,scaRNA	0.38949678	0.0856183
ENSMUSG00000130036.1,ENSMUSG00000130036,lncRNA	0.38943743	0.3030659
ENSMUSG00000118347.4,C330008A17Rik,lncRNA	0.38910053	0.3268657
ENSMUSG00000076615.5,Ighg3,IG_C_gene	0.38892807	0.9296458
ENSMUSG00000031727.9,Pmfbp1,protein_coding	0.38840103	0.6108363
ENSMUSG00000075410.15,Prcd,protein_coding	0.38819015	0.4898132
ENSMUSG00000075266.6,Cenpw,protein_coding	0.38794834	0.352377
ENSMUSG00000108059.2,Gm44369,TEC	0.38789039	0.5217878
ENSMUSG00000019853.7,Hebp2,protein_coding	0.38781587	0.117149
ENSMUSG00000037428.15,Vgf,protein_coding	0.38765691	0.2004897
ENSMUSG00000109010.3,Gm45027,lncRNA	0.38752791	0.5876123
ENSMUSG00000109555.2,Gm44891,TEC	0.38718284	0.2003913
ENSMUSG00000067594.7,Krt77,protein_coding	0.38716095	0.4744749
ENSMUSG00000046942.18,Mageb16,protein_coding	0.3871185	0.3170713
ENSMUSG00000022999.16,Lmbr1l,protein_coding	0.38696121	0.0983791
ENSMUSG00000113379.2,Gm46436,TEC	0.38668026	0.3577807
ENSMUSG00000107234.2,Gm43371,TEC	0.38644125	0.3741571
ENSMUSG00000134282.1,ENSMUSG00000134282,lncRNA	0.38629083	0.4147667
ENSMUSG00000106037.2,Gm4332,processed_pseudogene	0.38538876	0.4946458
ENSMUSG00000113808.2,Gm47988,TEC	0.38536327	0.3677722
ENSMUSG00000061510.5,Gm10101,lncRNA	0.38533173	0.6302382
ENSMUSG00000028654.14,Mycl,protein_coding	0.38496293	0.1605424
ENSMUSG00000104550.2,Gm43589,TEC	0.38492923	0.3624028
ENSMUSG00000064364.1,mt-Th,Mt_tRNA	0.38492697	0.4817441
ENSMUSG00000108122.2,Gm44116,TEC	0.38436576	0.5486288
ENSMUSG00000138342.1,ENSMUSG00000138342,lncRNA	0.38387498	0.5671727
ENSMUSG00000119662.1,Gm22988,snoRNA	0.38374035	0.1533666
ENSMUSG00000051844.15,B230319C09Rik,lncRNA	0.38368863	0.3460335
ENSMUSG00000030670.17,Cyp2r1,protein_coding	0.38331162	0.6830492
ENSMUSG00000131344.1,ENSMUSG00000131344,lncRNA	0.38326152	0.2716372
ENSMUSG00000104316.2,Gm37909,TEC	0.38319338	0.2554564
ENSMUSG00000131727.1,ENSMUSG00000131727,lncRNA	0.38300447	0.2465702
ENSMUSG00000133522.1,ENSMUSG00000133522,lncRNA	0.38295241	0.3126133
ENSMUSG00000085565.2,Gm15721,lncRNA	0.38290517	0.3280132

ENSMUSG00000120875.2,A830021M18Rik,lncRNA	0.38279227	0.420443
ENSMUSG00000120117.2,Gm57408,lncRNA	0.38216143	0.2730697
ENSMUSG00000108393.4,Gm32633,lncRNA	0.38211114	0.4870012
ENSMUSG00000128169.1,ENSMUSG00000128169,lncRNA	0.38197103	0.2897196
ENSMUSG00000093044.3,Snord8,snoRNA	0.38186166	0.1332864
ENSMUSG00000138516.1,ENSMUSG00000138516,lncRNA	0.38177299	0.4831968
ENSMUSG00000095872.8,Gm15128,protein_coding	0.38174689	0.8953095
ENSMUSG00000076433.6,Cep295nl,protein_coding	0.38145728	0.3710388
ENSMUSG00000086524.5,Pabpc1l2a,protein_coding	0.38133547	0.6178151
ENSMUSG00000110057.2,Gm2225,processed_pseudogene	0.38128836	0.6784627
ENSMUSG00000026581.15,Sell,protein_coding	0.38113331	0.8265448
ENSMUSG00000121114.2,Gm41291,lncRNA	0.38095165	0.2048999
ENSMUSG00000031170.15,Slc38a5,protein_coding	0.38086113	0.4334266
ENSMUSG00000022894.7,Adamts5,protein_coding	0.38080905	0.131157
ENSMUSG00000102916.2,Gm37725,TEC	0.38080243	0.4492361
ENSMUSG00000131895.1,ENSMUSG00000131895,lncRNA	0.38077004	0.4684376
ENSMUSG00000086324.11,Gm15564,lncRNA	0.38037535	0.3142655
ENSMUSG00000023067.15,Cdkn1a,protein_coding	0.38020457	0.2511912
ENSMUSG00000129672.1,ENSMUSG00000129672,lncRNA	0.38017518	0.25403
ENSMUSG00000098650.2,Commd1b,protein_coding	0.38008124	0.1623263
ENSMUSG00000126238.1,ENSMUSG00000126238,lncRNA	0.38004524	0.2645182
ENSMUSG00000109430.2,Gm44585,TEC	0.38003394	0.4464056
ENSMUSG00000119657.1,Gm25829,snRNA	0.3796815	0.4345813
ENSMUSG00000044997.5,E130304I02Rik,lncRNA	0.37961767	0.3992398
ENSMUSG00000038257.11,Glra3,protein_coding	0.37940061	0.1914118
ENSMUSG00000002083.14,Bbc3,protein_coding	0.37937178	0.4285005
ENSMUSG00000026955.14,Sapcd2,protein_coding	0.37932402	0.5486002
ENSMUSG00000065147.3,Snora31,snoRNA	0.37916873	0.3696954
ENSMUSG00000049287.6,Iba57,protein_coding	0.37908018	0.079847
ENSMUSG00000009075.3,Cabp7,protein_coding	0.37866868	0.1764654
ENSMUSG00000111994.4,A330049N07Rik,lncRNA	0.37857067	0.165446
ENSMUSG00000054135.3,A430110L20Rik,lncRNA	0.37853334	0.1481822
ENSMUSG00000032889.8,Gm6685,processed_pseudogene	0.37847389	0.3184339
ENSMUSG00000130563.1,ENSMUSG00000130563,lncRNA	0.37836829	0.2417726
ENSMUSG00000030917.14,Ldaf1,protein_coding	0.37792001	0.3324868
ENSMUSG00000058260.3,Serpina9,protein_coding	0.37789279	0.630961
ENSMUSG00000117246.2,Gm17891,processed_pseudogene	0.37776764	0.4723669
ENSMUSG00000133149.1,ENSMUSG00000133149,lncRNA	0.37719909	0.4463502
ENSMUSG00000090019.6,Gimap1,protein_coding	0.37698315	0.7970793
ENSMUSG00000084828.3,Gm12367,lncRNA	0.37683432	0.4655208
ENSMUSG00000138390.1,ENSMUSG00000138390,lncRNA	0.37662449	0.3503874
ENSMUSG00000108543.2,Gm44735,TEC	0.37655986	0.2022563
ENSMUSG00000133564.1,ENSMUSG00000133564,lncRNA	0.37648383	0.4019107
ENSMUSG00000120130.2,Gm56640,lncRNA	0.37625531	0.418218
ENSMUSG00000064585.3,Gm25129,snoRNA	0.37624332	0.2999261
ENSMUSG00000087056.3,Gm14004,lncRNA	0.37609301	0.396517
ENSMUSG00000061062.6,Hdac1-ps,processed_pseudogene	0.37606881	0.7405231
ENSMUSG00000032392.12,Parp16,protein_coding	0.37576542	0.1860007
ENSMUSG00000035799.7,Twist1,protein_coding	0.37574155	0.4547236
ENSMUSG00000028626.6,Col9a2,protein_coding	0.37561112	0.1027409
ENSMUSG00000021376.12,Tpmt,protein_coding	0.37555836	0.0949477
ENSMUSG00000131206.1,ENSMUSG00000131206,lncRNA	0.37547707	0.4170126

ENSMUSG00000064141.15,Zfp69,protein_coding	0.37545096	0.2295745
ENSMUSG00000052368.4,Gm9873,lncRNA	0.37541197	0.1740958
ENSMUSG00000064220.7,H2ac18,protein_coding	0.37520009	0.8335514
ENSMUSG00000108536.2,Gm45059,TEC	0.37512865	0.4113214
ENSMUSG00000120385.2,Vis1,lncRNA	0.37512499	0.5513925
ENSMUSG00000016756.18,Cmah,protein_coding	0.37511314	0.6645027
ENSMUSG00000085987.4,Gm13403,lncRNA	0.37505882	0.3405613
ENSMUSG00000025934.16,Gsta3,protein_coding	0.37491745	0.2910236
ENSMUSG00000085213.4,Gm13091,lncRNA	0.37485049	0.4469373
ENSMUSG00000112790.2,Gm10777,TEC	0.3746299	0.1325947
ENSMUSG00000126905.1,ENSMUSG00000126905,lncRNA	0.37450488	0.4771585
ENSMUSG00000098087.4,Gm17750,lncRNA	0.37443263	0.4858138
ENSMUSG00000067818.7,Myl9,protein_coding	0.37440104	0.1211008
ENSMUSG00000020461.11,Clhc1,protein_coding	0.37406071	0.8117118
ENSMUSG00000031119.5,Gpc4,protein_coding	0.37399108	0.1968435
ENSMUSG00000129163.1,ENSMUSG00000129163,lncRNA	0.37377014	0.5150574
ENSMUSG00000086602.2,Gm15609,lncRNA	0.37376646	0.2854052
ENSMUSG00000028707.16,Dmbx1,protein_coding	0.37366919	0.5376189
ENSMUSG00000112023.2,Lilrb4b,protein_coding	0.37350669	0.8320483
ENSMUSG00000104737.2,Gm42937,lncRNA	0.37334786	0.2704527
ENSMUSG00000117725.3,Gm50240,lncRNA	0.37311033	0.2207897
ENSMUSG00000091050.4,9330020H09Rik,lncRNA	0.37291732	0.2207582
ENSMUSG00000143750.1,ENSMUSG00000143750,lncRNA	0.37271572	0.2446257
ENSMUSG00000010751.16,Tnfrsf22,protein_coding	0.37225519	0.3231475
ENSMUSG00000074466.15,Gm15417,lncRNA	0.37214104	0.1339422
ENSMUSG00000111390.2,Gm48796,lncRNA	0.37212342	0.3334158
ENSMUSG00000021697.13,Depdc1b,protein_coding	0.37199013	0.5160557
ENSMUSG00000038543.14,BC028528,protein_coding	0.37191407	0.4666476
ENSMUSG00000109150.2,Gm45793,TEC	0.37164851	0.4416629
ENSMUSG00000019761.11,Krt10,protein_coding	0.37143552	0.3632606
ENSMUSG00000138835.1,ENSMUSG00000138835,lncRNA	0.37125825	0.3402569
ENSMUSG00000043505.9,Gimap5,protein_coding	0.37110429	0.8050803
ENSMUSG00000122069.1,ENSMUSG00000122069,lncRNA	0.36997041	0.4154076
ENSMUSG00000086999.3,Bcas1os2,lncRNA	0.36996882	0.3755158
ENSMUSG00000043903.5,Zfp469,protein_coding	0.36995598	0.125926
ENSMUSG00000022622.6,Acr,protein_coding	0.36979965	0.5081776
ENSMUSG00000085957.5,Syna,protein_coding	0.36963748	0.5721103
ENSMUSG00000130254.1,ENSMUSG00000130254,lncRNA	0.36958248	0.4394337
ENSMUSG00000135361.1,ENSMUSG00000135361,lncRNA	0.3683548	0.3875084
ENSMUSG00000000305.13,Cdh4,protein_coding	0.3678254	0.0422882
ENSMUSG00000112880.4,Gm20337,lncRNA	0.36780758	0.1774949
ENSMUSG00000022610.11,Mapk12,protein_coding	0.36764793	0.252294
ENSMUSG00000112090.2,Gm48231,TEC	0.36760966	0.1700058
ENSMUSG00000093392.2,Gm6061,transcribed_processed_pseudogene	0.36735655	0.5864122
ENSMUSG00000105395.2,Gm42672,processed_pseudogene	0.36709486	0.1808433
ENSMUSG00000131059.1,ENSMUSG00000131059,lncRNA	0.36690109	0.7851755
ENSMUSG00000082503.2,Gm12229,processed_pseudogene	0.36682019	0.2832231
ENSMUSG00000038415.11,Foxq1,protein_coding	0.36656012	0.2304106
ENSMUSG00000104262.2,Gm37747,TEC	0.3665418	0.371337
ENSMUSG00000091021.3,Gm17300,lncRNA	0.36629507	0.4174107
ENSMUSG00000109645.2,Gm45246,processed_pseudogene	0.3660735	0.4159365
ENSMUSG00000090582.2,Gm17024,lncRNA	0.36606961	0.36657

ENSMUSG00000042909.5,Or52h1,protein_coding	0.36568606	0.4077066
ENSMUSG00000141718.1,ENSMUSG00000141718,lncRNA	0.36552851	0.6611949
ENSMUSG00000043289.13,Mei4,protein_coding	0.36540957	0.3653127
ENSMUSG00000109783.2,Gm45338,lncRNA	0.36519691	0.5311611
ENSMUSG00000124529.1,AA543186,lncRNA	0.36518358	0.2546302
ENSMUSG00000086487.3,Gm11638,lncRNA	0.36517073	0.4815524
ENSMUSG00000037681.14,Esyt3,protein_coding	0.36492844	0.4703801
ENSMUSG00000113742.2,Gm48262,TEC	0.36475167	0.4602587
ENSMUSG00000085287.11,4833418N02Rik,lncRNA	0.36458497	0.3528063
ENSMUSG00000067736.3,Gm10222,unprocessed_pseudogene	0.3643881	0.4494767
ENSMUSG00000048546.9,Tob2,protein_coding	0.36419016	0.1810922
ENSMUSG00000108756.2,Gm44894,TEC	0.36410527	0.2758917
ENSMUSG00000102568.2,Gm37040,TEC	0.36407384	0.6517692
ENSMUSG00000084383.2,Gm13370,transcribed_processed_pseudogene	0.36396781	0.9616759
ENSMUSG00000068397.5,Gm10240,processed_pseudogene	0.36396781	0.9616759
ENSMUSG00000077711.3,AF357399,snoRNA	0.3638353	0.5889755
ENSMUSG00000105774.2,Gm43006,TEC	0.36342509	0.2470039
ENSMUSG00000034278.4,Dnajc17,protein_coding	0.36324771	0.2763732
ENSMUSG00000039556.17,Ppp1r3f,protein_coding	0.36258212	0.2125069
ENSMUSG00000107172.2,4933430H06Rik,TEC	0.36231773	0.2069922
ENSMUSG00000024222.19,Fkbp5,protein_coding	0.36224095	0.2211791
ENSMUSG00000112110.4,Gm15608,lncRNA	0.36203009	0.3187235
ENSMUSG00000090236.4,Car15,protein_coding	0.36192045	0.2971987
ENSMUSG00000073752.4,Gm10570,lncRNA	0.36184645	0.3664782
ENSMUSG00000106472.2,Gm43111,lncRNA	0.36151102	0.1923621
ENSMUSG00000029027.10,Dffb,protein_coding	0.36113876	0.0574959
ENSMUSG00000018451.8,6330403K07Rik,protein_coding	0.36108332	0.2638787
ENSMUSG00000110723.2,Gm49353,protein_coding	0.36094311	0.4191726
ENSMUSG00000080683.3,Gm23991,snoRNA	0.36082804	0.2649838
ENSMUSG00000063458.14,Lrmda,protein_coding	0.36072851	0.4694834
ENSMUSG00000102263.3,Gm31415,lncRNA	0.36049015	0.848718
ENSMUSG00000105646.4,Gm30211,lncRNA	0.36047639	0.8590832
ENSMUSG00000125206.1,ENSMUSG00000125206,lncRNA	0.36037499	0.5193953
ENSMUSG00000092035.10,Peg10,protein_coding	0.36028884	0.278745
ENSMUSG00000025784.6,Clec3b,protein_coding	0.36019693	0.5089112
ENSMUSG00000099583.3,H3c4,protein_coding	0.35974021	0.4813794
ENSMUSG00000080463.3,Gm22489,snoRNA	0.35968279	0.4856664
ENSMUSG00000110125.3,Gm33148,lncRNA	0.35962365	0.4912235
ENSMUSG00000046186.9,Cd109,protein_coding	0.35961559	0.4163258
ENSMUSG00000034845.7,Plvap,protein_coding	0.35930072	0.2503405
ENSMUSG00000067455.6,H4c11,protein_coding	0.35925187	0.7333755
ENSMUSG00000030745.10,Il21r,protein_coding	0.35917401	0.8590081
ENSMUSG00000019464.7,Ptger1,protein_coding	0.35886122	0.3328062
ENSMUSG00000106855.2,5330437M03Rik,TEC	0.358709	0.3690534
ENSMUSG00000019997.12,Ccn2,protein_coding	0.35850922	0.2977131
ENSMUSG00000104061.2,Gm37953,TEC	0.35834835	0.2902252
ENSMUSG00000037922.14,Bank1,protein_coding	0.35829789	0.8023773
ENSMUSG00000112054.3,Gm33680,lncRNA	0.35820162	0.1594607
ENSMUSG00000019817.19,Plagl1,protein_coding	0.35807892	0.2137483
ENSMUSG00000027478.16,Dnmt3b,protein_coding	0.35759445	0.3646769
ENSMUSG00000120798.2,Bmncr,lncRNA	0.3574582	0.3882085
ENSMUSG00000024190.8,Dusp1,protein_coding	0.35728886	0.1985165

ENSMUSG00000097727.11,F630040K05Rik,lncRNA	0.35708171	0.3558823
ENSMUSG00000030830.20,Itgal,protein_coding	0.35693853	0.758434
ENSMUSG00000109203.3,Gm32849,lncRNA	0.35685122	0.2836759
ENSMUSG00000120100.2,Gm56546,lncRNA	0.356437	0.3569744
ENSMUSG00000087819.3,Gm25117,snoRNA	0.35642171	0.1611213
ENSMUSG00000115898.2,Gm49524,TEC	0.35641599	0.3536484
ENSMUSG00000020844.7,Nxn,protein_coding	0.35621559	0.2408876
ENSMUSG00000131670.1,ENSMUSG00000131670,lncRNA	0.35614218	0.7599371
ENSMUSG00000045438.13,Cox19,protein_coding	0.35608593	0.0341591
ENSMUSG00000084408.2,Gm11870,processed_pseudogene	0.35584538	0.1854344
ENSMUSG00000078762.11,Haus5,protein_coding	0.3557424	0.490657
ENSMUSG00000113067.2,Gm47166,TEC	0.35567763	0.1834359
ENSMUSG00000049109.16,Themis,protein_coding	0.35549218	0.7662828
ENSMUSG00000137874.1,ENSMUSG00000137874,lncRNA	0.35537057	0.4506576
ENSMUSG00000009731.5,Kcnd1,protein_coding	0.35490843	0.0695009
ENSMUSG00000123181.1,ENSMUSG00000123181,lncRNA	0.35480978	0.4910444
ENSMUSG00000028923.15,Necap2,protein_coding	0.35475838	0.0526948
ENSMUSG00000043263.14,Ifi209,protein_coding	0.35469377	0.8529761
ENSMUSG00000079592.10,C1qtnf5,protein_coding	0.35440081	0.4928121
ENSMUSG00000079242.4,C730034F03Rik,lncRNA	0.35417612	0.1976156
ENSMUSG00000032381.6,Ciao2a,protein_coding	0.35405823	0.1994569
ENSMUSG00000119287.1,Gm23686,snRNA	0.3537716	0.4210329
ENSMUSG00000118677.1,Rnu1b6,snRNA	0.3536024	0.7092632
ENSMUSG00000091844.3,Ccdc168,protein_coding	0.3535631	0.7554853
ENSMUSG00000132705.1,ENSMUSG00000132705,lncRNA	0.35344604	0.714257
ENSMUSG00000115772.2,Gm48935,lncRNA	0.35344055	0.4778459
ENSMUSG00000102652.2,Gm37078,TEC	0.35335393	0.4508565
ENSMUSG00000045345.9,9530056K15Rik,lncRNA	0.35290821	0.409589
ENSMUSG00000106549.2,Gm42653,TEC	0.35285967	0.3147095
ENSMUSG00000031779.4,Ccl22,protein_coding	0.35253421	0.7509094
ENSMUSG00000115555.2,Gm49307,TEC	0.35218611	0.1758781
ENSMUSG00000038463.9,Olfml2b,protein_coding	0.35218127	0.258925
ENSMUSG00000015980.15,Lrrc27,protein_coding	0.3518004	0.1578373
ENSMUSG00000030798.16,Cd37,protein_coding	0.35162553	0.8405825
ENSMUSG00000112478.2,Gm47761,lncRNA	0.35155643	0.8244352
ENSMUSG00000115564.2,Gm49199,TEC	0.35108845	0.3405922
ENSMUSG00000143424.1,ENSMUSG00000143424,lncRNA	0.35099313	0.6295615
ENSMUSG00000025227.15,Mfsd13a,protein_coding	0.35093259	0.2214411
ENSMUSG00000092837.3,Rpph1,ribozyme	0.35082171	0.0517746
ENSMUSG00000086448.2,9330162012Rik,lncRNA	0.35067908	0.1070954
ENSMUSG00000120048.2,Gm57084,lncRNA	0.35041078	0.2229043
ENSMUSG00000117172.3,A230051N06Rik,lncRNA	0.35034177	0.3313286
ENSMUSG00000080957.2,Gm15739,processed_pseudogene	0.35026231	0.3887176
ENSMUSG00000045761.17,Togaram2,protein_coding	0.350003	0.4332313
ENSMUSG00000043298.9,Smco3,protein_coding	0.34966608	0.2593452
ENSMUSG00000028587.19,Orc1,protein_coding	0.34963847	0.8367729
ENSMUSG00000108852.2,Gm44911,processed_pseudogene	0.34959958	0.6652205
ENSMUSG00000036123.9,Slc9a3,protein_coding	0.34935855	0.3427471
ENSMUSG00000097413.4,A830052D11Rik,lncRNA	0.34929635	0.3049931
ENSMUSG00000085371.2,Gm3160,processed_pseudogene	0.34883164	0.6261521
ENSMUSG00000125456.1,ENSMUSG00000125456,lncRNA	0.34871096	0.4115545
ENSMUSG00000102929.2,Gm37154,TEC	0.34840852	0.2370997

ENSMUSG00000111030.2,Gm47234,TEC	0.34822494	0.2899455
ENSMUSG00000143335.1,ENSMUSG00000143335,lncRNA	0.34805037	0.5786313
ENSMUSG00000028631.8,Kcnq4,protein_coding	0.34803932	0.2412658
ENSMUSG00000130984.1,ENSMUSG00000130984,lncRNA	0.3477682	0.2708373
ENSMUSG00000084421.3,Gm25107,snoRNA	0.34762725	0.4513663
ENSMUSG00000100944.2,Gm28900,processed_pseudogene	0.34751844	0.7159712
ENSMUSG00000050761.5,Gp1bb,protein_coding	0.34733131	0.5073496
ENSMUSG00000023764.19,Sfi1,protein_coding	0.34729049	0.3137273
ENSMUSG00000085143.4,Gm11520,lncRNA	0.34721224	0.5336547
ENSMUSG00000041798.16,Gck,protein_coding	0.34718039	0.70762
ENSMUSG00000103827.4,Gm32950,lncRNA	0.34710569	0.3903948
ENSMUSG00000023330.13,Dtwd1,protein_coding	0.34703079	0.3443068
ENSMUSG00000104467.2,Gm37660,TEC	0.34697008	0.4650896
ENSMUSG00000032085.6,Tagln,protein_coding	0.34662837	0.4176094
ENSMUSG00000098649.5,Lhx5as1,lncRNA	0.34620008	0.4070972
ENSMUSG00000120687.2,Gm57095,lncRNA	0.34597929	0.4877322
ENSMUSG00000117829.3,Gm50336,lncRNA	0.3458871	0.3342298
ENSMUSG00000113673.2,Gm47486,lncRNA	0.34566193	0.4208555
ENSMUSG00000085837.11,Kcnmb4os2,lncRNA	0.34551409	0.3525386
ENSMUSG00000087461.4,C230014O12Rik,lncRNA	0.34525088	0.3778776
ENSMUSG00000040121.6,Rep15,protein_coding	0.3450865	0.5770851
ENSMUSG00000050234.8,Gja4,protein_coding	0.34501047	0.348136
ENSMUSG00000050138.9,Kcnk12,protein_coding	0.34492452	0.1963889
ENSMUSG00000057899.8,Adgrf2,protein_coding	0.34479909	0.3258762
ENSMUSG00000020712.12,Tcam1,protein_coding	0.34453157	0.8256556
ENSMUSG00000086997.2,Gm12981,lncRNA	0.34448359	0.6035136
ENSMUSG00000108560.2,Gm44695,TEC	0.34435471	0.5669139
ENSMUSG00000069516.9,Lyz2,protein_coding	0.34425751	0.8253117
ENSMUSG00000004266.16,Ptpn6,protein_coding	0.34407129	0.8440655
ENSMUSG00000097402.3,Gm17399,lncRNA	0.34387757	0.4947183
ENSMUSG00000050063.19,Klk6,protein_coding	0.34386732	0.372615
ENSMUSG00000087373.9,Gm15892,lncRNA	0.34381655	0.166672
ENSMUSG00000027300.11,Ubox5,protein_coding	0.34353998	0.054708
ENSMUSG00000114401.4,Gm38604,lncRNA	0.34348776	0.4429946
ENSMUSG00000081887.2,Gm12097,transcribed_processed_pseudogene	0.34310245	0.2637904
ENSMUSG00000090722.10,Gm8378,lncRNA	0.34306382	0.3850295
ENSMUSG00000051517.15,Arhgef39,protein_coding	0.34298084	0.7570937
ENSMUSG00000121241.2,Gm57475,lncRNA	0.34287737	0.2746741
ENSMUSG00000097275.3,Gm26648,lncRNA	0.34273589	0.4669202
ENSMUSG00000121116.2,Gm57229,lncRNA	0.34257823	0.4418539
ENSMUSG00000038560.8,Sp6,protein_coding	0.34256521	0.511061
ENSMUSG00000040187.16,Bmal2,protein_coding	0.34256431	0.3639685
ENSMUSG00000112693.3,Gm5512,transcribed_unprocessed_pseudogene	0.3422611	0.9107843
ENSMUSG00000074643.13,Cpne1,protein_coding	0.34217496	0.3337092
ENSMUSG00000093460.12,Six3os1,lncRNA	0.34208209	0.4494374
ENSMUSG00000097324.11,Carmn,lncRNA	0.34207237	0.1717961
ENSMUSG00000039616.11,Mocos,protein_coding	0.34202674	0.3793375
ENSMUSG00000115570.2,Gm48986,TEC	0.34190604	0.2319103
ENSMUSG00000027208.15,Fgf7,protein_coding	0.34175554	0.4655843
ENSMUSG00000030413.8,Pglyrp1,protein_coding	0.3417441	0.2859896
ENSMUSG00000078905.9,Gm14393,protein_coding	0.34157455	0.4694122
ENSMUSG00000142194.1,ENSMUSG00000142194,lncRNA	0.34148866	0.4237387

ENSMUSG00000026669.15,Mcm10,protein_coding	0.34126202	0.8083193
ENSMUSG00000105553.2,Gm42514,TEC	0.3412255	0.4755273
ENSMUSG00000064637.3,Snora20,snoRNA	0.34122375	0.5845528
ENSMUSG00000047250.14,Ptgs1,protein_coding	0.34113373	0.1522095
ENSMUSG00000048387.9,Osr1,protein_coding	0.34113269	0.4187459
ENSMUSG00000104148.6,Pcdha2,protein_coding	0.34110249	0.3356295
ENSMUSG00000066677.13,Ifi208,protein_coding	0.34101342	0.7279254
ENSMUSG00000047485.7,Klhl34,protein_coding	0.34081725	0.4265999
ENSMUSG00000110630.3,K230015D01Rik,lncRNA	0.34077243	0.4291277
ENSMUSG00000025510.15,Cd151,protein_coding	0.34036431	0.0946775
ENSMUSG00000086385.2,Gm12701,lncRNA	0.34018608	0.3694543
ENSMUSG00000001128.8,Cfp,protein_coding	0.3399438	0.2195845
ENSMUSG00000123732.1,ENSMUSG00000123732,lncRNA	0.33992599	0.3475338
ENSMUSG00000071637.6,Cebpd,protein_coding	0.3394668	0.5765481
ENSMUSG00000099757.4,BE692007,lncRNA	0.33940006	0.8748719
ENSMUSG00000020808.4,Pimreg,protein_coding	0.33910334	0.8409085
ENSMUSG00000135596.1,ENSMUSG00000135596,lncRNA	0.33900003	0.4430866
ENSMUSG00000105565.2,Gm43566,lncRNA	0.3383985	0.51377
ENSMUSG00000031821.12,Gins2,protein_coding	0.33812692	0.4608769
ENSMUSG00000071341.5,Egr4,protein_coding	0.33805548	0.462601
ENSMUSG00000091625.9,Lsm5,protein_coding	0.33798562	0.5418244
ENSMUSG00000005233.17,Spc25,protein_coding	0.33782881	0.8323793
ENSMUSG00000047281.4,Sfn,protein_coding	0.33762359	0.3988635
ENSMUSG00000024565.11,Sall3,protein_coding	0.33731001	0.3187456
ENSMUSG00000028047.12,Thbs3,protein_coding	0.33723933	0.2158355
ENSMUSG00000104010.2,Gm37366,TEC	0.33693184	0.1949208
ENSMUSG00000126878.1,ENSMUSG00000126878,lncRNA	0.33692908	0.6068329
ENSMUSG00000126929.1,ENSMUSG00000126929,lncRNA	0.33692317	0.4169301
ENSMUSG00000097915.5,A330009N23Rik,lncRNA	0.33691949	0.3113096
ENSMUSG00000109198.2,D7Bwg0826e,TEC	0.33687179	0.459059
ENSMUSG00000047220.6,Iho1,protein_coding	0.33684762	0.7350418
ENSMUSG00000110540.2,Gm45743,TEC	0.33674733	0.2701504
ENSMUSG00000023911.13,Flywch2,protein_coding	0.33667058	0.379984
ENSMUSG00000038732.16,Mboat1,protein_coding	0.33659935	0.1854125
ENSMUSG00000040613.15,Apobec1,protein_coding	0.33654011	0.8280972
ENSMUSG00000100671.2,Gm28322,lncRNA	0.3365354	0.6907434
ENSMUSG00000136634.1,ENSMUSG00000136634,lncRNA	0.33647363	0.5760123
ENSMUSG00000038893.13,Fam117a,protein_coding	0.33629346	0.3138012
ENSMUSG00000105962.2,Gm42432,TEC	0.33580653	0.2861785
ENSMUSG00000124921.1,ENSMUSG00000124921,lncRNA	0.3357565	0.3000305
ENSMUSG00000121900.1,ENSMUSG00000121900,lncRNA	0.33566989	0.2274098
ENSMUSG00000064338.1,mt-Tv,Mt_tRNA	0.33564812	0.4460691
ENSMUSG00000107795.2,Gm44105,lncRNA	0.33561386	0.3172404
ENSMUSG00000053263.5,Gm12592,lncRNA	0.3356059	0.1060671
ENSMUSG00000114968.2,A630019I02Rik,lncRNA	0.33556756	0.6069832
ENSMUSG00000135718.1,ENSMUSG00000135718,lncRNA	0.33553544	0.3694463
ENSMUSG00000051498.8,Tlr6,protein_coding	0.33510851	0.604102
ENSMUSG00000043833.9,2900005J15Rik,lncRNA	0.3343342	0.2785819
ENSMUSG00000102607.2,Gm37265,TEC	0.33408837	0.3829538
ENSMUSG00000112106.2,Gm47026,TEC	0.33397781	0.2797479
ENSMUSG00000054871.6,Tmem158,protein_coding	0.3336737	0.2882759
ENSMUSG00000023737.16,1700082M22Rik,lncRNA	0.33362831	0.4331911

ENSMUSG00000123602.1,ENSMUSG00000123602,lncRNA	0.33358602	0.2218866
ENSMUSG00000072972.4,Adam4,protein_coding	0.33352438	0.2078943
ENSMUSG00000028644.18,Ermap,protein_coding	0.33347887	0.7068534
ENSMUSG00000103614.2,Gm37949,TEC	0.33341463	0.2385997
ENSMUSG00000078588.11,Ccdc24,protein_coding	0.33328779	0.4942563
ENSMUSG00000104822.2,Gm42967,TEC	0.3329704	0.4177833
ENSMUSG00000092192.8,Dnaaf4,protein_coding	0.33288502	0.3364926
ENSMUSG00000064949.3,Snora61,snoRNA	0.33279288	0.4053803
ENSMUSG00000116822.2,Gm41504,TEC	0.33266256	0.5100261
ENSMUSG00000025574.14,Tk1,protein_coding	0.3325981	0.8688209
ENSMUSG00000021904.7,Sema3g,protein_coding	0.33219965	0.132716
ENSMUSG00000097636.11,Mirt1,lncRNA	0.33212117	0.5394827
ENSMUSG00000079396.5,Gm3411,protein_coding	0.3320581	0.7713941
ENSMUSG00000050822.12,Slc29a4,protein_coding	0.33203067	0.2227597
ENSMUSG00000063236.7,1110038F14Rik,protein_coding	0.33180947	0.0610813
ENSMUSG00000018239.10,Zcchc10,protein_coding	0.33175466	0.2007504
ENSMUSG00000020890.12,Gucy2e,protein_coding	0.33163924	0.1359638
ENSMUSG00000112571.2,Gm48207,TEC	0.33160439	0.3284585
ENSMUSG00000038963.16,Slco4a1,protein_coding	0.33156927	0.3472064
ENSMUSG00000045534.5,Kcna5,protein_coding	0.3313426	0.4622748
ENSMUSG00000027855.14,Sycp1,protein_coding	0.33130208	0.632258
ENSMUSG00000021572.10,Cep72,protein_coding	0.3312998	0.2682322
ENSMUSG00000084843.3,B230312C02Rik,lncRNA	0.33118769	0.5502787
ENSMUSG00000085022.5,Gm5860,lncRNA	0.33109982	0.7844882
ENSMUSG00000114431.2,Gm48601,TEC	0.33109597	0.1505971
ENSMUSG00000142279.1,ENSMUSG00000142279,lncRNA	0.33104252	0.4869593
ENSMUSG00000121263.1,Gm57470,lncRNA	0.33097861	0.2738219
ENSMUSG00000022422.14,Dscc1,protein_coding	0.33095473	0.7908224
ENSMUSG00000035561.6,Aldh1b1,protein_coding	0.3309148	0.3524398
ENSMUSG00000038859.8,Baiap2l1,protein_coding	0.33091331	0.615539
ENSMUSG00000039316.15,Rftn1,protein_coding	0.33087815	0.564184
ENSMUSG00000112558.3,Gm32364,lncRNA	0.33061663	0.2795558
ENSMUSG00000058183.17,Mmel1,protein_coding	0.33060329	0.6042639
ENSMUSG00000034000.16,Neu4,protein_coding	0.33052487	0.2250096
ENSMUSG00000111874.3,Gm36539,lncRNA	0.33000884	0.4608122
ENSMUSG00000132287.1,ENSMUSG00000132287,lncRNA	0.32996994	0.527462
ENSMUSG00000074604.10,Mgst2,protein_coding	0.32989884	0.792369
ENSMUSG00000033826.11,Dnah8,protein_coding	0.32981509	0.3680354
ENSMUSG00000141779.1,ENSMUSG00000141779,lncRNA	0.32976892	0.405499
ENSMUSG00000108953.2,Gm45129,TEC	0.32976772	0.394516
ENSMUSG00000107306.2,Gm42577,TEC	0.32962255	0.3745406
ENSMUSG00000044522.10,A730020M07Rik,lncRNA	0.32936075	0.4984943
ENSMUSG00000022053.14,Ebf2,protein_coding	0.3291089	0.4809266
ENSMUSG00000092375.3,A730060N03Rik,lncRNA	0.32906656	0.2531087
ENSMUSG00000092680.3,Snord55,snoRNA	0.32855375	0.1934043
ENSMUSG00000017817.12,Jph2,protein_coding	0.32828171	0.5393911
ENSMUSG00000117546.2,Gm54542,TEC	0.32821403	0.2467902
ENSMUSG00000121153.2,Gm56986,lncRNA	0.32776113	0.4315364
ENSMUSG00000034936.3,Arl4d,protein_coding	0.32763855	0.2656184
ENSMUSG00000134236.1,ENSMUSG00000134236,lncRNA	0.32757732	0.4785998
ENSMUSG00000113894.2,Gm48838,TEC	0.32748963	0.4254988
ENSMUSG00000033105.13,Lss,protein_coding	0.32748169	0.031552

ENSMUSG00000120321.2,Gm51802,lncRNA	0.3274375	0.8744534
ENSMUSG00000119035.1,Gm25101,snRNA	0.32735482	0.5048048
ENSMUSG00000058173.13,Smco4,protein_coding	0.32733369	0.4293853
ENSMUSG00000060260.14,Pwwp2b,protein_coding	0.32717972	0.1563172
ENSMUSG00000043822.19,Adamtsl5,protein_coding	0.32710481	0.3211171
ENSMUSG00000114854.3,Gm34354,lncRNA	0.32696916	0.3178069
ENSMUSG00000032584.13,Mst1r,protein_coding	0.32695952	0.4870306
ENSMUSG00000002289.17,Angptl4,protein_coding	0.32691195	0.3832602
ENSMUSG00000113662.2,Gm35558,TEC	0.32687808	0.2812167
ENSMUSG00000026930.16,Gpsm1,protein_coding	0.3268404	0.1320567
ENSMUSG00000102352.2,Gm38346,TEC	0.32682951	0.3758161
ENSMUSG00000084024.2,Gm15937,processed_pseudogene	0.3267693	0.5877217
ENSMUSG00000078143.6,Gm17344,lncRNA	0.32654493	0.3642975
ENSMUSG00000092448.3,Gm20387,lncRNA	0.3263942	0.3659889
ENSMUSG00000087179.11,5730471H19Rik,lncRNA	0.32630482	0.6867449
ENSMUSG00000040938.17,Slc16a11,protein_coding	0.32629696	0.3008441
ENSMUSG00000090266.11,Mettl23,protein_coding	0.32609332	0.2279374
ENSMUSG00000051396.16,Msantd7,protein_coding	0.32598612	0.0702422
ENSMUSG00000078684.9,5830417I10Rik,transcribed_unprocessed_pseudog	0.3259564	0.4525575
ENSMUSG00000058145.17,Adamts17,protein_coding	0.32577853	0.2427992
ENSMUSG00000074899.7,Sptbn5,protein_coding	0.32576346	0.3325338
ENSMUSG00000038347.16,Tcte2,lncRNA	0.3257422	0.1501978
ENSMUSG00000113028.2,Gm18065,processed_pseudogene	0.32565117	0.3750559
ENSMUSG00000032593.6,Amigo3,protein_coding	0.32519832	0.391906
ENSMUSG00000057606.15,Colq,protein_coding	0.32512235	0.3414623
ENSMUSG00000047897.11,Ripply2,protein_coding	0.32502274	0.3958442
ENSMUSG00000085024.4,C230035I16Rik,lncRNA	0.32472771	0.5665478
ENSMUSG00000094868.2,Dlx6os2,TEC	0.32461725	0.6897553
ENSMUSG00000084760.2,Gm15472,lncRNA	0.32451437	0.6212697
ENSMUSG00000031860.18,Pbx4,protein_coding	0.3244253	0.2127321
ENSMUSG00000107698.2,Gm44430,TEC	0.3244147	0.4277331
ENSMUSG00000074903.6,Gm2058,processed_pseudogene	0.32423833	0.6085567
ENSMUSG00000116763.3,Gm41492,lncRNA	0.32417711	0.0670367
ENSMUSG00000092274.6,Neat1,lncRNA	0.32402436	0.2687786
ENSMUSG00000070305.11,Mpzl3,protein_coding	0.32384064	0.2446626
ENSMUSG00000028641.17,P3h1,protein_coding	0.3238371	0.1792951
ENSMUSG00000064772.3,Gm25202,snRNA	0.32379703	0.5897022
ENSMUSG00000047721.9,Bola2,protein_coding	0.32364899	0.1017458
ENSMUSG00000097534.6,Gm16675,lncRNA	0.32363744	0.6908487
ENSMUSG00000059027.17,9630013D21Rik,lncRNA	0.32355741	0.7935854
ENSMUSG00000071073.6,Lrrc73,protein_coding	0.3235243	0.3085041
ENSMUSG00000042401.9,Crtac1,protein_coding	0.32348315	0.2143687
ENSMUSG00000104571.2,Gm43010,TEC	0.32321175	0.3394241
ENSMUSG00000135486.1,ENSMUSG00000135486,lncRNA	0.3230388	0.4932383
ENSMUSG00000041608.9,Entpd3,protein_coding	0.32266702	0.3368839
ENSMUSG00000097934.3,6720483E21Rik,lncRNA	0.32256468	0.5412592
ENSMUSG00000127413.1,ENSMUSG00000127413,lncRNA	0.32253117	0.5324036
ENSMUSG00000079222.3,ENSMUSG00000079222,protein_coding	0.32226037	0.8910658
ENSMUSG00000045757.7,Zfp764,protein_coding	0.32218016	0.266953
ENSMUSG00000113792.2,Gm10933,TEC	0.32206947	0.4331114
ENSMUSG00000036114.4,Rpp25l,protein_coding	0.32201895	0.2079316
ENSMUSG00000113385.2,Gm48405,TEC	0.32201453	0.3163109

ENSMUSG00000135100.1,ENSMUSG00000135100,lncRNA	0.32197797	0.3443482
ENSMUSG00000014778.11,Fhod1,protein_coding	0.32194507	0.4254812
ENSMUSG00000105282.2,Gm42981,TEC	0.32179633	0.3301499
ENSMUSG00000004105.9,Angptl2,protein_coding	0.32167739	0.2567755
ENSMUSG00000042677.8,Zc3h12a,protein_coding	0.32158151	0.7272639
ENSMUSG00000104501.2,Gm37736,TEC	0.32156312	0.1693796
ENSMUSG00000051124.7,Gimap9,protein_coding	0.32154979	0.8274836
ENSMUSG00000123296.1,ENSMUSG00000123296,lncRNA	0.32147906	0.5808114
ENSMUSG00000114309.3,Gm48295,lncRNA	0.3213553	0.5614837
ENSMUSG00000077167.3,Gm24119,snoRNA	0.32134509	0.3298685
ENSMUSG00000101939.2,Gm28438,transcribed_unprocessed_pseudogene	0.32123303	0.4585552
ENSMUSG00000122812.1,ENSMUSG00000122812,lncRNA	0.3211412	0.5186266
ENSMUSG00000032313.12,Tmem266,protein_coding	0.32111595	0.3844931
ENSMUSG00000113003.2,Gm47138,TEC	0.32106766	0.2142535
ENSMUSG00000046761.14,Fam83h,protein_coding	0.32104735	0.310111
ENSMUSG00000135421.1,ENSMUSG00000135421,lncRNA	0.3206611	0.3905693
ENSMUSG00000041771.15,Slc24a4,protein_coding	0.3205297	0.2373761
ENSMUSG00000133146.1,ENSMUSG00000133146,lncRNA	0.3203986	0.2821
ENSMUSG00000140041.1,ENSMUSG00000140041,lncRNA	0.32027192	0.6185306
ENSMUSG00000103539.2,Gm37834,TEC	0.31992756	0.3665886
ENSMUSG00002076809.1,Gm54754,misc_RNA	0.31968413	0.1181521
ENSMUSG00000078870.11,Gm14410,protein_coding	0.31965136	0.1911855
ENSMUSG00000120011.2,Gm56639,lncRNA	0.31958927	0.5612594
ENSMUSG00000087165.10,2010001A14Rik,lncRNA	0.3195606	0.2453095
ENSMUSG00000114433.2,Gm48488,lncRNA	0.31935625	0.2543552
ENSMUSG00000094910.2,D430019H16Rik,protein_coding	0.31920381	0.2208772
ENSMUSG00000025140.16,Pycr1,protein_coding	0.31918169	0.7340069
ENSMUSG00000131777.1,ENSMUSG00000131777,lncRNA	0.3191798	0.7487069
ENSMUSG00000090231.11,Cfb,protein_coding	0.31906325	0.9250042
ENSMUSG00000103192.2,Gm37645,TEC	0.31878366	0.3789898
ENSMUSG00000022221.15,Ripk3,protein_coding	0.31860159	0.8942713
ENSMUSG00000111211.2,Gm48233,TEC	0.31838823	0.5918646
ENSMUSG00000033082.11,Clec1a,protein_coding	0.3178341	0.4554061
ENSMUSG00000105259.2,Gm42874,TEC	0.31781561	0.6354753
ENSMUSG00000021194.7,Chga,protein_coding	0.31773721	0.2609557
ENSMUSG00000102526.2,Gm37785,TEC	0.31773229	0.3597249
ENSMUSG00000105217.2,Gm42873,TEC	0.31762347	0.6271842
ENSMUSG00000119428.1,Gm22253,snoRNA	0.31757676	0.5260692
ENSMUSG00000113649.2,Gm47665,TEC	0.31736136	0.5417555
ENSMUSG00000073421.7,H2-Ab1,protein_coding	0.31735944	0.8339737
ENSMUSG00000050511.2,Oprd1,protein_coding	0.31722878	0.2927699
ENSMUSG00000086015.4,4833417C18Rik,lncRNA	0.31722498	0.4567279
ENSMUSG00000040511.15,Pvr,protein_coding	0.31710284	0.0860594
ENSMUSG00000117621.2,Hspe1-rs1,protein_coding	0.3170094	0.6619811
ENSMUSG00000104938.2,Gm42840,TEC	0.31695804	0.4199575
ENSMUSG00002074846.1,Vaultrc5,misc_RNA	0.31660506	0.272682
ENSMUSG00000030255.14,Sspn,protein_coding	0.31658895	0.1386125
ENSMUSG00000064326.14,Siva1,protein_coding	0.31655654	0.1920509
ENSMUSG00000061171.16,Slc38a11,protein_coding	0.31644956	0.2278833
ENSMUSG00000101481.3,1700123O21Rik,lncRNA	0.3164337	0.3682729
ENSMUSG00000110866.2,Gm48362,lncRNA	0.31639936	0.599668
ENSMUSG00000139549.1,ENSMUSG00000139549,lncRNA	0.31634616	0.3159096

ENSMUSG00000032193.10,Ldlr,protein_coding	0.31625406	0.1058255
ENSMUSG00000085654.3,Gm12536,lncRNA	0.3161944	0.3949974
ENSMUSG00000091329.5,1700112D23Rik,lncRNA	0.31618467	0.4254375
ENSMUSG00000138889.1,ENSMUSG00000138889,lncRNA	0.3159536	0.3773681
ENSMUSG00000103991.2,Gm38031,TEC	0.31586334	0.3040079
ENSMUSG00000108617.3,Gm31749,lncRNA	0.31582838	0.3410375
ENSMUSG00000105224.2,Gm3364,lncRNA	0.31575055	0.4696476
ENSMUSG00000142438.1,ENSMUSG00000142438,lncRNA	0.31567797	0.1787886
ENSMUSG00000014846.13,Tppp3,protein_coding	0.31565723	0.3507063
ENSMUSG00000102307.2,Gm38194,TEC	0.31541576	0.393331
ENSMUSG00000044816.11,D630023F18Rik,protein_coding	0.31535948	0.4258808
ENSMUSG00000020423.7,Btg2,protein_coding	0.31534561	0.215704
ENSMUSG00000110672.2,Gm45786,TEC	0.31529467	0.4462474
ENSMUSG00000029338.14,Antxr2,protein_coding	0.3147249	0.430825
ENSMUSG00000106797.2,Gm42936,lncRNA	0.31467161	0.7975279
ENSMUSG00000039748.12,Exo1,protein_coding	0.31458752	0.8150486
ENSMUSG00000024065.9,Ehd3,protein_coding	0.31444399	0.093433
ENSMUSG00000037336.15,Mfsd2b,protein_coding	0.31438702	0.2891475
ENSMUSG00000073647.5,Gm10557,processed_pseudogene	0.31424443	0.179432
ENSMUSG00000074284.9,Gm10658,lncRNA	0.31421923	0.4698475
ENSMUSG00000022639.17,Dubr,lncRNA	0.31419315	0.0508417
ENSMUSG00000118751.1,Gm26444,snRNA	0.31395148	0.1867643
ENSMUSG00000026065.9,Slc9a4,protein_coding	0.31394789	0.6795745
ENSMUSG00000033446.8,Lpar6,protein_coding	0.3138887	0.2380586
ENSMUSG00000037465.11,Klf10,protein_coding	0.3136145	0.2258973
ENSMUSG00000141583.1,ENSMUSG00000141583,lncRNA	0.31360019	0.4884296
ENSMUSG00000128462.1,ENSMUSG00000128462,lncRNA	0.31334214	0.4207627
ENSMUSG00000107468.2,5730507A11Rik,TEC	0.31327721	0.6791352
ENSMUSG00000031262.13,Cenpi,protein_coding	0.31294581	0.8562396
ENSMUSG00000115955.2,9530056E24Rik,TEC	0.31288231	0.2560159
ENSMUSG00000033227.8,Wnt6,protein_coding	0.3127534	0.5841309
ENSMUSG00000112875.2,Gm48074,TEC	0.31274292	0.4370079
ENSMUSG00000108207.4,1810059H22Rik,lncRNA	0.31265405	0.4006485
ENSMUSG00000085564.2,Gm12198,lncRNA	0.31263582	0.5360726
ENSMUSG00000040139.15,9430038I01Rik,protein_coding	0.31221399	0.3977682
ENSMUSG00000079608.11,Stard6,protein_coding	0.31220134	0.4390619
ENSMUSG00000075289.6,Carns1,protein_coding	0.31219718	0.2121575
ENSMUSG00000070858.13,Nicol1,protein_coding	0.31216391	0.4599776
ENSMUSG00000122421.1,ENSMUSG00000122421,lncRNA	0.3121475	0.5844616
ENSMUSG00000132567.1,ENSMUSG00000132567,lncRNA	0.31211804	0.5783011
ENSMUSG00000102287.2,Gm37003,TEC	0.31209735	0.3530286
ENSMUSG00000102917.2,Gm37724,lncRNA	0.3120015	0.4933162
ENSMUSG00000105023.3,1700012D16Rik,lncRNA	0.31194948	0.5480054
ENSMUSG00000105378.2,Gm42515,TEC	0.31190511	0.3205344
ENSMUSG00000032420.9,Nt5e,protein_coding	0.31190051	0.2287182
ENSMUSG00000087266.4,Gm15991,lncRNA	0.31187305	0.4763232
ENSMUSG00000021478.7,Drd1,protein_coding	0.31183973	0.6556127
ENSMUSG00000078887.11,Gm6710,protein_coding	0.31179885	0.4769626
ENSMUSG00000030048.6,Gkn3,protein_coding	0.31171221	0.7232969
ENSMUSG00000030093.8,Wnt7a,protein_coding	0.31148919	0.2374786
ENSMUSG00000051054.5,Spata31d1e,protein_coding	0.31142166	0.5037157
ENSMUSG00000035601.10,Trmt10b,protein_coding	0.31137174	0.0564463

ENSMUSG00000105136.2,8030487O14Rik,TEC	0.31135083	0.2961379
ENSMUSG00000090841.3,Myl6,protein_coding	0.31109744	0.1685452
ENSMUSG00000127689.1,ENSMUSG00000127689,lncRNA	0.3109911	0.389437
ENSMUSG00000028039.12,Efna3,protein_coding	0.31098963	0.2976046
ENSMUSG00000137180.1,ENSMUSG00000137180,lncRNA	0.31077047	0.6669471
ENSMUSG00000064382.3,Gm26447,snoRNA	0.31065617	0.419691
ENSMUSG00000106458.2,Gm42633,TEC	0.31061156	0.4637242
ENSMUSG00000105079.2,Gm43715,TEC	0.310463	0.2912262
ENSMUSG00000037295.8,Ldlrap1,protein_coding	0.31031794	0.2936978
ENSMUSG00000081270.2,Gm11653,processed_pseudogene	0.30994061	0.5202884
ENSMUSG00000021411.17,Pxdc1,protein_coding	0.30966008	0.3182903
ENSMUSG00000033762.9,Recql4,protein_coding	0.3094222	0.5614447
ENSMUSG00000107216.2,2210412B16Rik,TEC	0.30941737	0.5493965
ENSMUSG00000031962.7,Cdh15,protein_coding	0.30941486	0.5625625
ENSMUSG00000128894.1,ENSMUSG00000128894,lncRNA	0.30940551	0.5208208
ENSMUSG00000101365.2,Gm19325,lncRNA	0.3093845	0.2370682
ENSMUSG00000091079.2,Gm17105,lncRNA	0.30935115	0.5718184
ENSMUSG00000115318.2,Gm49089,TEC	0.30909465	0.3850995
ENSMUSG00000064945.3,Rny3,misc_RNA	0.30891392	0.6410663
ENSMUSG00000038524.14,Fchsd1,protein_coding	0.30889941	0.2299671
ENSMUSG00000018554.14,Ybx2,protein_coding	0.30883189	0.5185942
ENSMUSG00000023571.5,C1qtnf12,protein_coding	0.3085872	0.4475547
ENSMUSG00000104940.2,Gm42908,TEC	0.30855674	0.2753834
ENSMUSG00000136542.1,ENSMUSG00000136542,lncRNA	0.30842914	0.4389633
ENSMUSG00000039328.12,Rnf122,protein_coding	0.30839342	0.3986983
ENSMUSG00000043144.7,Aqp6,protein_coding	0.30836514	0.5338155
ENSMUSG00000105063.2,Gm43488,TEC	0.30818174	0.436619
ENSMUSG00000131269.1,ENSMUSG00000131269,lncRNA	0.30817391	0.1595851
ENSMUSG00000024013.16,Fgd2,protein_coding	0.30809987	0.5775078
ENSMUSG00000024055.16,Cyp4f13,protein_coding	0.3080952	0.2519304
ENSMUSG00000066197.6,Gpr139,protein_coding	0.30805757	0.1882573
ENSMUSG00000078974.11,Sec61g,protein_coding	0.30800364	0.1164791
ENSMUSG00000073460.6,Pnldc1,protein_coding	0.30798794	0.5200186
ENSMUSG00000015568.17,Lpl,protein_coding	0.30778987	0.4762298
ENSMUSG00000113432.2,8430406P12Rik,TEC	0.30765708	0.4346003
ENSMUSG00000122396.1,ENSMUSG00000122396,lncRNA	0.30740952	0.2820204
ENSMUSG00000030109.16,Slc6a12,protein_coding	0.30737796	0.5120756
ENSMUSG00000123948.1,ENSMUSG00000123948,lncRNA	0.30727998	0.5767161
ENSMUSG00000050737.14,Ptges,protein_coding	0.30634847	0.2686236
ENSMUSG00000092090.5,Gm3294,lncRNA	0.30627776	0.4047909
ENSMUSG00000083744.2,Gm14824,processed_pseudogene	0.30578179	0.243804
ENSMUSG00000104178.2,Gm9916,lncRNA	0.30571543	0.3727315
ENSMUSG00000107892.2,Gm44524,processed_pseudogene	0.30567392	0.6539814
ENSMUSG00000084899.2,Gm15344,lncRNA	0.30564362	0.5519808
ENSMUSG00000141377.1,ENSMUSG00000141377,lncRNA	0.30556924	0.5716867
ENSMUSG00000077704.3,Snord89,snoRNA	0.30554783	0.2905376
ENSMUSG00000065259.3,Snora30,snoRNA	0.30552417	0.4461489
ENSMUSG00000106859.2,Gm42737,TEC	0.30546462	0.4007521
ENSMUSG00000107556.2,Gm44237,TEC	0.30545674	0.3275546
ENSMUSG00000076617.10,Ighm,IG_C_gene	0.30523731	0.7872468
ENSMUSG00000109838.3,Gm45341,lncRNA	0.30520817	0.4876326
ENSMUSG00000030641.11,Ddias,protein_coding	0.30515145	0.8377209

ENSMUSG00000040658.8,Dnph1,protein_coding	0.30511809	0.3434478
ENSMUSG00000113041.2,Gm48302,lncRNA	0.30498959	0.5097001
ENSMUSG00000020427.12,Igfbp3,protein_coding	0.3049874	0.2702188
ENSMUSG00000106732.2,Gm43792,TEC	0.30496658	0.2944907
ENSMUSG00000102635.2,Gm54655,TEC	0.30491591	0.4400639
ENSMUSG00000103123.2,Gm37390,TEC	0.30485637	0.4779358
ENSMUSG00000113459.2,Gm30655,lncRNA	0.30469087	0.4579794
ENSMUSG00000141422.1,ENSMUSG00000141422,lncRNA	0.30458433	0.2403153
ENSMUSG00000134527.1,ENSMUSG00000134527,lncRNA	0.30456628	0.6006724
ENSMUSG00000096793.9,Gm3002,protein_coding	0.30431144	0.379973
ENSMUSG00000120856.2,Gm57039,lncRNA	0.30422009	0.4823665
ENSMUSG00000108447.2,Gm44567,TEC	0.30411756	0.2660226
ENSMUSG00000019326.15,Aoc3,protein_coding	0.30376727	0.3772004
ENSMUSG00000029135.11,Fosl2,protein_coding	0.30368787	0.2172424
ENSMUSG00000137154.1,ENSMUSG00000137154,lncRNA	0.30360523	0.4571398
ENSMUSG00000112255.2,Gm47594,TEC	0.30355168	0.3213531
ENSMUSG00000101905.3,4930439D14Rik,lncRNA	0.30344466	0.4418755
ENSMUSG00000024180.15,Pgap6,protein_coding	0.30336589	0.0316621
ENSMUSG00000017007.10,Rbpjl,protein_coding	0.30331178	0.3326681
ENSMUSG00000077714.3,Snord17,snoRNA	0.30329218	0.1165566
ENSMUSG00000107967.2,Gm44094,TEC	0.30327709	0.6143538
ENSMUSG00000085316.4,D330050G23Rik,lncRNA	0.30325435	0.2687901
ENSMUSG00000087413.4,Gm11266,lncRNA	0.30318315	0.339679
ENSMUSG00000023336.7,Wfdc1,protein_coding	0.30310417	0.4259342
ENSMUSG00000105368.2,Gm43759,TEC	0.30292639	0.1491583
ENSMUSG00000022575.6,Gsdmd,protein_coding	0.30287756	0.7117468
ENSMUSG00000109568.2,Gm45074,TEC	0.30271176	0.3822168
ENSMUSG00000025876.16,Unc5a,protein_coding	0.30255461	0.1898995
ENSMUSG00000037731.6,Themis2,protein_coding	0.30254772	0.8188198
ENSMUSG00000035576.14,L3mbtl1,protein_coding	0.30245085	0.2969539
ENSMUSG00000098760.3,Gm2164,lncRNA	0.30238051	0.4217672
ENSMUSG00000023243.10,Kcnk5,protein_coding	0.30230956	0.5657495
ENSMUSG00000102621.2,Gm37674,TEC	0.30225646	0.3456409
ENSMUSG00002075041.1,Gm56244,misc_RNA	0.30223604	0.1246162
ENSMUSG00000012296.17,Tjap1,protein_coding	0.30210941	0.1407753
ENSMUSG00000021070.7,Bdkrb2,protein_coding	0.3014771	0.4984102
ENSMUSG00000113883.3,Gm36500,lncRNA	0.30144676	0.3824164
ENSMUSG00000114169.2,Gm47075,TEC	0.30132895	0.5534948
ENSMUSG00000085982.3,9530051G07Rik,lncRNA	0.30128962	0.207993
ENSMUSG00000121760.2,ENSMUSG00000121760,lncRNA	0.30112305	0.373107
ENSMUSG00000100480.2,Gm29156,lncRNA	0.30103838	0.4979426
ENSMUSG00000091994.4,E130317F20Rik,lncRNA	0.30074233	0.1897206
ENSMUSG00000034748.17,Sirt6,protein_coding	0.30068908	0.2231181
ENSMUSG00000097684.2,Gm26645,lncRNA	0.30053054	0.6761874
ENSMUSG00000022440.10,C1qtnf6,protein_coding	0.30038238	0.3141013
ENSMUSG00000026355.12,Mcm6,protein_coding	0.30035184	0.8574845
ENSMUSG00000075184.6,F930017D23Rik,lncRNA	0.30027503	0.7088725
ENSMUSG00000077604.3,Snord1b,snoRNA	0.30022507	0.6482817
ENSMUSG00000048368.10,Omd,protein_coding	0.30004998	0.7293223
ENSMUSG00000110945.2,Gm9856,lncRNA	0.3000474	0.2293153
ENSMUSG00000068859.6,Sp9,protein_coding	0.29995218	0.519444
ENSMUSG00000121976.1,ENSMUSG00000121976,protein_coding	0.29983982	0.3252681

ENSMUSG00000084846.2,A730011C13Rik,lncRNA	0.29968747	0.5337213
ENSMUSG00000082120.2,Gm15720,processed_pseudogene	0.29954031	0.6019391
ENSMUSG00000109853.3,Gm33045,lncRNA	0.29952389	0.5526091
ENSMUSG00000110519.3,Or7g23,protein_coding	0.29937501	0.5452973
ENSMUSG00000024889.6,Rce1,protein_coding	0.29920963	0.1732132
ENSMUSG00000034509.10,Mad2l1bp,protein_coding	0.29918983	0.4116974
ENSMUSG00000115044.2,Gm48978,TEC	0.29917403	0.4593089
ENSMUSG00000042761.15,Mrap2,protein_coding	0.29915924	0.4974401
ENSMUSG00000077192.5,Snora17,snoRNA	0.2991344	0.610866
ENSMUSG00000117628.2,Gm50012,lncRNA	0.29899475	0.3885668
ENSMUSG00000109754.4,Gm39214,lncRNA	0.29875559	0.5042728
ENSMUSG00000016995.18,Matn4,protein_coding	0.29875269	0.2509753
ENSMUSG00000083122.2,Gm15578,unprocessed_pseudogene	0.29841228	0.443161
ENSMUSG00000107688.2,Gm44091,lncRNA	0.29802734	0.4140525
ENSMUSG00000078179.2,Rnf148,protein_coding	0.29794876	0.6166306
ENSMUSG00002074964.1,Gm54402,misc_RNA	0.29785346	0.4785803
ENSMUSG00000027386.10,Fbln7,protein_coding	0.29744524	0.3023767
ENSMUSG00000032841.16,Prr5l,protein_coding	0.29734759	0.1321408
ENSMUSG00000119442.1,Gm23966,snRNA	0.29713222	0.6695538
ENSMUSG00000120380.2,Gm56636,lncRNA	0.29674063	0.4817013
ENSMUSG00000105891.7,A230001M10Rik,lncRNA	0.29667215	0.2775543
ENSMUSG00000108120.2,9930120I10Rik,TEC	0.29657515	0.3992734
ENSMUSG00000103672.2,Gm37621,TEC	0.2964837	0.3379834
ENSMUSG00000118848.1,Gm25412,snRNA	0.29637952	0.4261729
ENSMUSG00000119132.1,Gm24407,snRNA	0.29633391	0.5163922
ENSMUSG00000097761.3,4930534D22Rik,lncRNA	0.29578421	0.4470176
ENSMUSG00000020781.15,Tsen54,protein_coding	0.29570653	0.3715782
ENSMUSG00000052392.6,Acot4,protein_coding	0.29566641	0.386363
ENSMUSG00000096169.4,Or10h5,protein_coding	0.29564727	0.1796817
ENSMUSG00000032643.13,Fhl3,protein_coding	0.29502954	0.5573408
ENSMUSG00000118866.1,Rn7s1,misc_RNA	0.29473603	0.1344777
ENSMUSG00000066191.13,Anks6,protein_coding	0.294672	0.2324636
ENSMUSG00000009185.3,Ccl8,protein_coding	0.29464619	0.9209578
ENSMUSG00000089671.3,Gm16537,lncRNA	0.29462153	0.4203386
ENSMUSG00000109244.2,Gm44751,lncRNA	0.29458555	0.7161716
ENSMUSG00000104850.3,Gm42901,lncRNA	0.29450384	0.4054596
ENSMUSG00000071984.13,Fndc1,protein_coding	0.29434409	0.2440395
ENSMUSG00000087342.2,Gm12238,lncRNA	0.29431164	0.5430977
ENSMUSG00000138030.1,ENSMUSG00000138030,lncRNA	0.29430666	0.6469231
ENSMUSG00000119805.1,Snord14c,snoRNA	0.29399029	0.3646079
ENSMUSG00000004347.18,Pde1c,protein_coding	0.29382478	0.3543989
ENSMUSG00000024014.9,Pim1,protein_coding	0.29369328	0.7515715
ENSMUSG00000056031.16,9330154J02Rik,lncRNA	0.29365967	0.5800472
ENSMUSG00000036196.17,Slc26a8,protein_coding	0.29359124	0.3729902
ENSMUSG00000121236.2,Gm57463,lncRNA	0.29341598	0.3550975
ENSMUSG00000137776.1,ENSMUSG00000137776,lncRNA	0.293406	0.4724846
ENSMUSG00000035278.10,Plekhj1,protein_coding	0.29328013	0.1338716
ENSMUSG00000132890.1,ENSMUSG00000132890,lncRNA	0.29325045	0.559188
ENSMUSG00000107970.2,Gm49058,TEC	0.29306101	0.3940879
ENSMUSG00000062743.10,Zfp677,protein_coding	0.29303592	0.5689278
ENSMUSG00000135686.1,ENSMUSG00000135686,lncRNA	0.29295828	0.4466557
ENSMUSG00000116223.3,Gm41396,lncRNA	0.29294014	0.160878

ENSMUSG00000060063.10,Alox5ap,protein_coding	0.29284778	0.4893255
ENSMUSG00000043659.12,Npsr1,protein_coding	0.29270074	0.4690319
ENSMUSG00000032531.16,Amotl2,protein_coding	0.29213812	0.0762653
ENSMUSG00000032750.14,Gab3,protein_coding	0.29203578	0.3236795
ENSMUSG00000141108.1,ENSMUSG00000141108,lncRNA	0.29192888	0.311631
ENSMUSG00000097115.5,1810019N24Rik,lncRNA	0.29192016	0.494187
ENSMUSG00000097572.5,Gm26797,lncRNA	0.29175432	0.3657926
ENSMUSG00000112941.4,Gm48623,lncRNA	0.2915987	0.2696942
ENSMUSG00000052135.9,Foxo6,protein_coding	0.29145081	0.4862123
ENSMUSG00000115249.3,Gm49085,lncRNA	0.29134915	0.6118223
ENSMUSG00000000489.8,Pdgfb,protein_coding	0.29126918	0.1729302
ENSMUSG00000015605.7,Srf,protein_coding	0.29124114	0.1347506
ENSMUSG00000035270.16,Impg2,protein_coding	0.2912265	0.1635347
ENSMUSG00000085899.3,4930551E15Rik,lncRNA	0.29111733	0.6574715
ENSMUSG00000046480.7,Scn4b,protein_coding	0.29105164	0.4210421
ENSMUSG00000129832.1,ENSMUSG00000129832,lncRNA	0.29100377	0.4873872
ENSMUSG00000035498.11,Cdcp1,protein_coding	0.29071476	0.8166698
ENSMUSG00000085175.10,Gm11423,lncRNA	0.29065909	0.4657298
ENSMUSG00000064724.3,Gm25852,snoRNA	0.29060412	0.7031565
ENSMUSG00000097917.4,Gm26839,lncRNA	0.29055589	0.4587899
ENSMUSG00000125992.1,ENSMUSG00000125992,lncRNA	0.29055447	0.4186888
ENSMUSG00000128710.1,ENSMUSG00000128710,lncRNA	0.2905493	0.4144583
ENSMUSG00000112142.2,Gm47022,TEC	0.29043345	0.4005835
ENSMUSG00000107997.2,Gm44243,TEC	0.29023004	0.2786678
ENSMUSG00000032690.17,Oas2,protein_coding	0.289941	0.7422607
ENSMUSG00000122495.1,ENSMUSG00000122495,lncRNA	0.28977834	0.4054234
ENSMUSG00000132147.1,ENSMUSG00000132147,lncRNA	0.28969208	0.5922075
ENSMUSG00000009356.13,Lpo,protein_coding	0.28952134	0.6232314
ENSMUSG00000108741.2,Gm44553,TEC	0.28948929	0.196688
ENSMUSG00000143907.1,ENSMUSG00000143907,lncRNA	0.28945757	0.8058356
ENSMUSG00000103784.2,Gm37526,TEC	0.28944916	0.6739519
ENSMUSG00000103403.2,Gm37931,TEC	0.28922404	0.3076969
ENSMUSG00000092819.3,Gm23639,snoRNA	0.28919449	0.4162804
ENSMUSG00000105686.3,Gm35394,lncRNA	0.28909345	0.5259911
ENSMUSG00000112512.2,Gm48203,TEC	0.28895959	0.4510916
ENSMUSG00000064925.3,Snora62,snoRNA	0.28873608	0.5763096
ENSMUSG00002075987.1,Gm55636,misc_RNA	0.28864409	0.5326108
ENSMUSG00000055150.16,Zfp78,protein_coding	0.28861909	0.1668182
ENSMUSG00000099931.2,Gm29358,lncRNA	0.28861141	0.2983064
ENSMUSG00000026433.14,Rab29,protein_coding	0.28859229	0.3923999
ENSMUSG00000003762.14,Coq8b,protein_coding	0.28845311	0.1683924
ENSMUSG00000130767.1,ENSMUSG00000130767,lncRNA	0.28840687	0.4406001
ENSMUSG00000032243.9,Itga11,protein_coding	0.28830013	0.4776779
ENSMUSG00000043614.14,Vps37d,protein_coding	0.28821788	0.2944098
ENSMUSG00000087424.4,5730405O15Rik,lncRNA	0.28817406	0.1135664
ENSMUSG00000049482.17,Ctu2,protein_coding	0.28797109	0.2029026
ENSMUSG00000108286.2,Gm44224,TEC	0.28790001	0.5284982
ENSMUSG00000020734.14,Grin2c,protein_coding	0.28787215	0.4523209
ENSMUSG00000065034.3,Gm22363,snRNA	0.28784585	0.4863259
ENSMUSG00000062372.14,Otof,protein_coding	0.28771799	0.3112773
ENSMUSG00000108319.2,Gm44552,TEC	0.28761695	0.2735532
ENSMUSG00000115420.2,Rmrp,lncRNA	0.28757869	0.4084596

ENSMUSG00000066152.12,Slc31a2,protein_coding	0.28749536	0.1887624
ENSMUSG00000140119.1,ENSMUSG00000140119,lncRNA	0.28744059	0.1122125
ENSMUSG00000051373.6,Plpp7,protein_coding	0.28740663	0.2708324
ENSMUSG00000079654.4,Prrt4,protein_coding	0.28734301	0.5029192
ENSMUSG00000104060.2,Gm37954,TEC	0.28711152	0.6514131
ENSMUSG00000037035.6,Inhbb,protein_coding	0.28707503	0.28141
ENSMUSG00000110972.2,5830462O15Rik,TEC	0.28702436	0.4249833
ENSMUSG00000105624.2,Gm43187,TEC	0.28696576	0.2584944
ENSMUSG00000090129.11,Or10ad1,protein_coding	0.28696258	0.2333744
ENSMUSG00000005699.17,Pard6a,protein_coding	0.28689848	0.1946295
ENSMUSG00000074170.6,Plekhf1,protein_coding	0.28679111	0.5256962
ENSMUSG00000026979.17,Psd4,protein_coding	0.28678989	0.8266975
ENSMUSG00000043441.6,Gpr149,protein_coding	0.28671246	0.4829105
ENSMUSG00000006435.17,Neurl1a,protein_coding	0.28666123	0.175521
ENSMUSG00000117102.2,Gm55377,TEC	0.2866556	0.3773538
ENSMUSG00000025478.16,Dpysl4,protein_coding	0.28607897	0.265056
ENSMUSG00000024833.16,Pola2,protein_coding	0.2860778	0.5615848
ENSMUSG00000100075.3,1700018L02Rik,lncRNA	0.28601634	0.3798125
ENSMUSG00000106153.2,Gm43677,TEC	0.28584301	0.3439903
ENSMUSG00000029217.17,Tec,protein_coding	0.28575253	0.8265508
ENSMUSG00000027015.5,Cybrd1,protein_coding	0.28567514	0.4178359
ENSMUSG00000097725.6,4930593A02Rik,lncRNA	0.28558828	0.4148883
ENSMUSG00002076818.1,Snord14e,snoRNA	0.28553658	0.5646584
ENSMUSG00000020893.18,Per1,protein_coding	0.28550747	0.1110594
ENSMUSG00000100583.8,Gm29443,lncRNA	0.28545793	0.3017733
ENSMUSG00000001249.15,Hpn,protein_coding	0.28518251	0.4522559
ENSMUSG00000102014.3,2900009J06Rik,lncRNA	0.28515539	0.4055781
ENSMUSG00000112243.2,Gm47342,TEC	0.28500845	0.4173161
ENSMUSG00000065353.3,Snora73b,snoRNA	0.2849286	0.2369627
ENSMUSG00000028195.5,Ccn1,protein_coding	0.28492445	0.3697644
ENSMUSG00000026675.13,Hsd17b7,protein_coding	0.28480099	0.1349698
ENSMUSG00000074136.11,4930513N10Rik,lncRNA	0.28479115	0.6083168
ENSMUSG00000095098.3,Ccdc85b,protein_coding	0.28474083	0.0870134
ENSMUSG00000003549.10,Ercc1,protein_coding	0.28473241	0.0995278
ENSMUSG00000048482.15,Bdnf,protein_coding	0.28449783	0.3132638
ENSMUSG00000037096.7,Gm9762,transcribed_processed_pseudogene	0.28440189	0.6380228
ENSMUSG00000026042.17,Col5a2,protein_coding	0.28433752	0.2903833
ENSMUSG00000038112.16,AW551984,protein_coding	0.28429572	0.61221
ENSMUSG00000031762.8,Mt2,protein_coding	0.28416921	0.4181116
ENSMUSG00000080615.3,Snord99,snoRNA	0.28398196	0.5168635
ENSMUSG00000121418.1,ENSMUSG00000121418,lncRNA	0.28395993	0.844522
ENSMUSG00000123638.1,ENSMUSG00000123638,lncRNA	0.28385112	0.462791
ENSMUSG00000039115.14,Itga9,protein_coding	0.28383257	0.2207764
ENSMUSG00000085782.3,Gm15624,lncRNA	0.28362952	0.3771789
ENSMUSG00000134617.1,ENSMUSG00000134617,lncRNA	0.28334578	0.6174182
ENSMUSG00000021240.7,Abcd4,protein_coding	0.28331084	0.1396512
ENSMUSG00000115012.3,9630009A06Rik,lncRNA	0.28328326	0.5772906
ENSMUSG00000029219.11,Slc10a4,protein_coding	0.28307448	0.7349883
ENSMUSG00000030051.11,Aplf,protein_coding	0.28294252	0.1405445
ENSMUSG00000064358.1,mt-Co3,protein_coding	0.28277078	0.5423018
ENSMUSG00000091194.2,Gm19840,processed_pseudogene	0.28271165	0.5516194
ENSMUSG00000103885.2,Gm37006,TEC	0.2825298	0.5680329

ENSMUSG00000117878.3,Gm50202,lncRNA	0.28252585	0.2606112
ENSMUSG00000105470.2,Gm42589,TEC	0.28251014	0.4328893
ENSMUSG00000104186.2,Gm37819,TEC	0.28245839	0.8852856
ENSMUSG00000036381.14,P2ry14,protein_coding	0.28216412	0.5990355
ENSMUSG00000104253.2,Gm37174,TEC	0.28214724	0.3754928
ENSMUSG00000032548.15,Slco2a1,protein_coding	0.28207792	0.3870826
ENSMUSG00000078838.6,Gm17382,lncRNA	0.28182983	0.4366347
ENSMUSG00000105766.2,Gm19666,TEC	0.2818066	0.5138746
ENSMUSG00000027222.15,Pex16,protein_coding	0.28179618	0.2045614
ENSMUSG00000121248.2,Gm57459,lncRNA	0.28147639	0.8861486
ENSMUSG00000110997.2,2610028D06Rik,TEC	0.2814341	0.2085909
ENSMUSG00000119945.2,Gm57301,lncRNA	0.28127115	0.5450043
ENSMUSG00000122530.1,ENSMUSG00000122530,lncRNA	0.28123891	0.3522346
ENSMUSG00000087547.4,Platr27,lncRNA	0.28117591	0.8945195
ENSMUSG00000110167.2,Gm45532,TEC	0.28117189	0.2167391
ENSMUSG00000108376.2,Gm44874,TEC	0.28116282	0.4654959
ENSMUSG00000033685.14,Ucp2,protein_coding	0.28115645	0.6683512
ENSMUSG00000079547.5,H2-DMb1,protein_coding	0.28111189	0.9000485
ENSMUSG00000117575.4,Gm36486,lncRNA	0.28107966	0.7035812
ENSMUSG00000141936.1,ENSMUSG00000141936,lncRNA	0.28050841	0.5001433
ENSMUSG00000056313.6,Tcim,protein_coding	0.28022307	0.5629434
ENSMUSG00000047181.13,Samd14,protein_coding	0.28020108	0.2257567
ENSMUSG00000023990.19,Tfeb,protein_coding	0.2801893	0.3548048
ENSMUSG00000056306.7,Sertm1,protein_coding	0.28017103	0.2434632
ENSMUSG00000032744.5,Heyl,protein_coding	0.279971	0.4012864
ENSMUSG00000120997.2,Gm57385,lncRNA	0.27990588	0.1837522
ENSMUSG00000109517.2,Gm44763,lncRNA	0.27980779	0.3715351
ENSMUSG00000032586.10,Traip,protein_coding	0.27979094	0.3216804
ENSMUSG00000024382.14,Ercc3,protein_coding	0.27966445	0.0400258
ENSMUSG00000070644.14,Etnk2,protein_coding	0.27947533	0.3479255
ENSMUSG00000142170.1,ENSMUSG00000142170,lncRNA	0.27947094	0.4024267
ENSMUSG00000121042.2,Gm33887,lncRNA	0.27943674	0.8602345
ENSMUSG00000111844.2,Gm47097,TEC	0.27931496	0.4945549
ENSMUSG00000103882.2,Gm37452,TEC	0.27927542	0.5336976
ENSMUSG00000023009.15,Nckap5l,protein_coding	0.27919735	0.1880772
ENSMUSG00000035305.6,Ror1,protein_coding	0.27892206	0.4462957
ENSMUSG00000070691.11,Runx3,protein_coding	0.2785121	0.8815416
ENSMUSG00000063652.11,Slc22a21,protein_coding	0.27848928	0.4550463
ENSMUSG00000047777.10,Phf13,protein_coding	0.27847488	0.136824
ENSMUSG00000040140.16,Tdrd6,protein_coding	0.27823628	0.2292955
ENSMUSG00000027239.15,Mdk,protein_coding	0.27801667	0.17981
ENSMUSG00000032311.18,Nrg4,protein_coding	0.27801249	0.4145987
ENSMUSG00000029484.13,Anxa3,protein_coding	0.27800689	0.4427397
ENSMUSG00000019842.7,Traf3ip2,protein_coding	0.27799557	0.7064706
ENSMUSG00000121724.2,Ppp1ccb,lncRNA	0.2779826	0.268608
ENSMUSG00000028182.15,Lrriq3,protein_coding	0.27790987	0.5450169
ENSMUSG00000052373.15,Mpp3,protein_coding	0.27780168	0.3148853
ENSMUSG00000032218.8,Ccnb2,protein_coding	0.27764787	0.8152915
ENSMUSG00000102723.2,Gm37936,TEC	0.27756518	0.5896654
ENSMUSG00000065686.3,Snora5c,snoRNA	0.27755123	0.441541
ENSMUSG00000104966.2,Gm43273,TEC	0.27739892	0.3104369
ENSMUSG00000134149.1,ENSMUSG00000134149,lncRNA	0.27707774	0.748847

ENSMUSG00000139076.1,ENSMUSG00000139076,lncRNA	0.27703914	0.348872
ENSMUSG00000122526.1,ENSMUSG00000122526,lncRNA	0.27696826	0.9315145
ENSMUSG00000135460.1,ENSMUSG00000135460,lncRNA	0.27695466	0.1929455
ENSMUSG00000034771.16,Tle2,protein_coding	0.27686863	0.301582
ENSMUSG00000116772.4,4930483P17Rik,lncRNA	0.27681487	0.5812074
ENSMUSG00000116534.2,Gm49731,TEC	0.27674587	0.3301642
ENSMUSG00000019952.16,Poc1b,protein_coding	0.27657855	0.2111671
ENSMUSG00000136297.1,ENSMUSG00000136297,lncRNA	0.27655924	0.4647693
ENSMUSG00000034616.18,Ssh3,protein_coding	0.27649805	0.1382669
ENSMUSG00000024580.9,Grpel2,protein_coding	0.27633793	0.1005112
ENSMUSG00000075389.6,Reno1,lncRNA	0.27618703	0.2865866
ENSMUSG00000107624.2,Gm44005,TEC	0.27597805	0.2405043
ENSMUSG00000109946.2,Brd3os,protein_coding	0.27561122	0.2486261
ENSMUSG00000003812.14,Dnase2a,protein_coding	0.27551631	0.5308862
ENSMUSG00000057751.15,Megf6,protein_coding	0.2754905	0.4687001
ENSMUSG00000106671.2,Gm42900,TEC	0.27513768	0.4631346
ENSMUSG00000119789.1,Gm25312,snRNA	0.27499607	0.5321794
ENSMUSG00000024529.15,Lox,protein_coding	0.27495862	0.5932423
ENSMUSG00000090290.3,Tarbp1,protein_coding	0.27490027	0.1989982
ENSMUSG00000087675.3,Gm11762,lncRNA	0.27462734	0.3949723
ENSMUSG00000024799.17,Tm7sf2,protein_coding	0.27455396	0.1559363
ENSMUSG00000084998.3,Gm16279,lncRNA	0.27454052	0.7110184
ENSMUSG00000098066.4,Gm26944,lncRNA	0.27453109	0.4404929
ENSMUSG00000108291.2,Gm44292,TEC	0.27451199	0.4112696
ENSMUSG00000060371.13,Caln1,protein_coding	0.27449062	0.120263
ENSMUSG00000106818.2,Gm43790,TEC	0.27443766	0.3279008
ENSMUSG00000101994.2,Gm18875,processed_pseudogene	0.27437452	0.5596735
ENSMUSG00000002983.19,Relb,protein_coding	0.27436411	0.6257291
ENSMUSG00000070471.4,Erich6,protein_coding	0.2743166	0.4867552
ENSMUSG00000001943.9,Vsig2,protein_coding	0.2741963	0.3456488
ENSMUSG00000022945.13,Chaf1b,protein_coding	0.27419551	0.8588059
ENSMUSG00000022351.15,Sqle,protein_coding	0.2741498	0.1371756
ENSMUSG00000109191.2,Gm45131,TEC	0.27407564	0.4557133
ENSMUSG00000088308.3,Gm24507,snoRNA	0.27407411	0.5872861
ENSMUSG00000086228.4,Ubap1l,protein_coding	0.27406128	0.3179458
ENSMUSG00000077239.3,Snord66,snoRNA	0.27405203	0.2992077
ENSMUSG00000113032.2,Gm47578,lncRNA	0.27386968	0.503521
ENSMUSG00000087449.2,Gm12971,lncRNA	0.27383688	0.6347077
ENSMUSG00000019689.5,Fmc1,protein_coding	0.27378003	0.3386205
ENSMUSG00000027811.10,4930579G24Rik,protein_coding	0.27373377	0.6064045
ENSMUSG00000097595.4,1500002F19Rik,lncRNA	0.2735669	0.5319035
ENSMUSG00000102700.2,Gm38312,TEC	0.27355412	0.0991274
ENSMUSG00000017466.11,Timp2,protein_coding	0.2735474	0.2945813
ENSMUSG00000001918.18,Slc1a5,protein_coding	0.27353548	0.8671173
ENSMUSG00000046380.4,Jrk,protein_coding	0.27352233	0.1518749
ENSMUSG00000078247.8,Airn,lncRNA	0.2734847	0.5613875
ENSMUSG00000110400.2,Gm45416,TEC	0.27343873	0.4875948
ENSMUSG00000029819.7,Npy,protein_coding	0.27342938	0.4006448
ENSMUSG00000102733.2,Gm38262,TEC	0.27340776	0.500131
ENSMUSG00000075256.10,Cerkl,protein_coding	0.27332484	0.509547
ENSMUSG00000107374.2,Gm43172,TEC	0.27319204	0.5451102
ENSMUSG00000129133.1,ENSMUSG00000129133,lncRNA	0.27306243	0.5714314

ENSMUSG00000102729.2,Gm32444,TEC	0.273022	0.3791153
ENSMUSG00000043993.9,2900052L18Rik,lncRNA	0.27294608	0.2782136
ENSMUSG00000080538.3,Gm25541,snRNA	0.27266859	0.4554043
ENSMUSG00000024026.14,Glo1,protein_coding	0.27260383	0.3308798
ENSMUSG00000048373.9,Fgfbp1,protein_coding	0.27246942	0.5556895
ENSMUSG00000021453.3,Gadd45g,protein_coding	0.27243651	0.3422324
ENSMUSG00000083650.2,Gm13357,processed_pseudogene	0.27236882	0.5714197
ENSMUSG00000103923.3,Gm37896,lncRNA	0.27230521	0.7086209
ENSMUSG00000103800.2,Pcdha8,protein_coding	0.2722887	0.451926
ENSMUSG00000130932.1,ENSMUSG00000130932,lncRNA	0.2721799	0.3238302
ENSMUSG00000034614.15,Pik3ip1,protein_coding	0.27197547	0.119962
ENSMUSG00000115423.3,Gm56450,protein_coding	0.2719577	0.5807328
ENSMUSG00000042064.14,Myo3b,protein_coding	0.27192945	0.6450536
ENSMUSG00000103373.2,Gm37238,TEC	0.27189037	0.3006105
ENSMUSG00000039783.16,Kmo,protein_coding	0.27186926	0.8592341
ENSMUSG00000105753.2,Gm43847,lncRNA	0.2718375	0.4303343
ENSMUSG00000110263.2,Gm45652,TEC	0.27182281	0.2603258
ENSMUSG00000026849.19,Tor1a,protein_coding	0.27173835	0.1507926
ENSMUSG00000044125.9,9530080O11Rik,lncRNA	0.27157439	0.472563
ENSMUSG00000103006.2,4933417C20Rik,TEC	0.27150101	0.6110954
ENSMUSG00000025064.16,Col17a1,protein_coding	0.27139144	0.4647761
ENSMUSG00000103400.3,Gm15853,lncRNA	0.27136998	0.42257
ENSMUSG00000121897.2,ENSMUSG00000121897,lncRNA	0.27083836	0.3931474
ENSMUSG00000065016.3,Snora3,snoRNA	0.27059728	0.5078515
ENSMUSG00000059939.14,9430015G10Rik,protein_coding	0.2705924	0.1446003
ENSMUSG00000048440.17,Cyp4f16,protein_coding	0.27026534	0.4086013
ENSMUSG00000047907.12,Tshz2,protein_coding	0.27025012	0.286236
ENSMUSG00000002266.18,Zim1,protein_coding	0.26985686	0.3900557
ENSMUSG00000103422.2,Gm37536,TEC	0.26962026	0.3889849
ENSMUSG00000008307.12,1700109H08Rik,protein_coding	0.26938915	0.2011013
ENSMUSG00000024440.14,Pcdh12,protein_coding	0.2693055	0.5403964
ENSMUSG00000128104.1,ENSMUSG00000128104,lncRNA	0.26919211	0.5074347
ENSMUSG00000116145.2,5730521K06Rik,TEC	0.26908257	0.2807462
ENSMUSG00000086822.5,5330413P13Rik,lncRNA	0.26888398	0.5441868
ENSMUSG00000121926.1,ENSMUSG00000121926,protein_coding	0.2688182	0.433067
ENSMUSG00000108732.2,2310043P16Rik,TEC	0.26877118	0.7235425
ENSMUSG00000038402.3,Foxf2,protein_coding	0.26853872	0.311007
ENSMUSG00000104591.2,Gm43145,TEC	0.26807456	0.7299571
ENSMUSG00000056427.11,Slit3,protein_coding	0.2680381	0.2523946
ENSMUSG00000000317.12,Bcl6b,protein_coding	0.26800315	0.4474202
ENSMUSG00000061143.16,Maml3,protein_coding	0.26790584	0.350466
ENSMUSG00000127622.1,ENSMUSG00000127622,lncRNA	0.2679023	0.593311
ENSMUSG00000042631.8,Xkr7,protein_coding	0.26777394	0.4119839
ENSMUSG00000021569.11,Trip13,protein_coding	0.26762521	0.803675
ENSMUSG00000063446.5,Plppr1,protein_coding	0.26754689	0.4481909
ENSMUSG00000053964.18,Lgals4,protein_coding	0.26750326	0.4331464
ENSMUSG00000052374.17,Actn2,protein_coding	0.26749836	0.5856354
ENSMUSG00000044288.7,Cnr1,protein_coding	0.2674934	0.3323663
ENSMUSG00000036634.16,Mag,protein_coding	0.26730723	0.2561016
ENSMUSG00000125365.1,ENSMUSG00000125365,lncRNA	0.26726233	0.4384044
ENSMUSG00000108388.2,Gm44673,TEC	0.26725515	0.4398458
ENSMUSG00000024769.8,Cdc42bpg,protein_coding	0.26721878	0.460161

ENSMUSG00000072844.8,G530011O06Rikx,lncRNA	0.26721048	0.6960745
ENSMUSG00000024486.7,Hbegf,protein_coding	0.267101	0.1749342
ENSMUSG00000136949.1,ENSMUSG00000136949,lncRNA	0.2667363	0.5189955
ENSMUSG00000084771.11,A230072E10Rik,lncRNA	0.26667345	0.2845947
ENSMUSG00000102664.2,Gm38380,TEC	0.26663315	0.2539003
ENSMUSG00000027496.16,Aurka,protein_coding	0.26660325	0.8174388
ENSMUSG00000045746.5,B230317F23Rik,lncRNA	0.26656216	0.532165
ENSMUSG00000137821.1,ENSMUSG00000137821,lncRNA	0.26637202	0.3523189
ENSMUSG00000026452.16,Syt2,protein_coding	0.26628379	0.3076912
ENSMUSG00000000531.6,Tamalin,protein_coding	0.26628277	0.4605836
ENSMUSG00000062561.4,Gm10118,TEC	0.26627009	0.4027146
ENSMUSG00000081487.2,Gm13689,processed_pseudogene	0.26607943	0.57126
ENSMUSG00000079165.11,Sap25,protein_coding	0.26605961	0.6635014
ENSMUSG00000074737.4,C530025M09Rik,lncRNA	0.26583211	0.436062
ENSMUSG00000038059.8,Smim3,protein_coding	0.26582314	0.3364264
ENSMUSG00000053279.9,Aldh1a1,protein_coding	0.26572264	0.4433363
ENSMUSG00000045246.13,Kcng4,protein_coding	0.26571408	0.4426383
ENSMUSG00000062785.15,Kcnc3,protein_coding	0.26550589	0.3078863
ENSMUSG00000083116.2,Gm13410,processed_pseudogene	0.26536425	0.6770896
ENSMUSG00000022177.10,Haus4,protein_coding	0.26522241	0.6625632
ENSMUSG00000073478.9,D730003I15Rik,lncRNA	0.26520319	0.1044397
ENSMUSG00000033177.14,Tmprss7,protein_coding	0.26518752	0.2772601
ENSMUSG00000109118.4,Gm32031,lncRNA	0.26500225	0.4453957
ENSMUSG00000103625.2,Gm37357,TEC	0.26493068	0.4521594
ENSMUSG00000004894.11,Hapln2,protein_coding	0.26490235	0.2820784
ENSMUSG00000093629.3,Prox2os,lncRNA	0.26485243	0.3023233
ENSMUSG00000028542.18,Slc6a9,protein_coding	0.26484049	0.2901685
ENSMUSG00000074403.3,H3c13,protein_coding	0.2646749	0.8208946
ENSMUSG00000108890.2,Gm44847,TEC	0.26464715	0.5404827
ENSMUSG00000110523.4,C230057M02Rik,lncRNA	0.26406781	0.2812151
ENSMUSG00000039427.15,Alg1,protein_coding	0.26397321	0.3327152
ENSMUSG00000028980.15,H6pd,protein_coding	0.26391398	0.1903137
ENSMUSG00000027327.17,Adissp,protein_coding	0.26390425	0.3658176
ENSMUSG00000028179.13,Cth,protein_coding	0.26356158	0.7784224
ENSMUSG00000026712.4,Mrc1,protein_coding	0.26342092	0.5899163
ENSMUSG00000085894.3,Gm15832,lncRNA	0.26335711	0.4295793
ENSMUSG00000025789.10,St8sia2,protein_coding	0.26330078	0.4587794
ENSMUSG00000117505.2,Gm9993,lncRNA	0.26327147	0.3495007
ENSMUSG00000113679.3,Gm10432,lncRNA	0.26321278	0.3610139
ENSMUSG00000021260.9,Hhipl1,protein_coding	0.26320451	0.3587466
ENSMUSG00000026785.15,Pkn3,protein_coding	0.26319398	0.6555757
ENSMUSG00000085653.10,Gm15179,lncRNA	0.26309412	0.6614304
ENSMUSG00000086943.4,4732414G09Rik,lncRNA	0.26286131	0.4605902
ENSMUSG00000112947.2,Gm47493,TEC	0.26281279	0.4484966
ENSMUSG00000024883.9,Rin1,protein_coding	0.26256392	0.4353601
ENSMUSG00000091478.3,Gm10039,processed_pseudogene	0.26252592	0.4588176
ENSMUSG00000037936.16,Scarb1,protein_coding	0.26243817	0.1902079
ENSMUSG00000040829.15,Zmynd15,protein_coding	0.26243503	0.7197051
ENSMUSG00000059883.17,Irak4,protein_coding	0.26215994	0.6724989
ENSMUSG00000111443.3,Gm46123,lncRNA	0.2621313	0.4866749
ENSMUSG00000084088.2,Gm12941,processed_pseudogene	0.26206308	0.6473735
ENSMUSG00000110043.2,Gm7328,processed_pseudogene	0.26192754	0.4258714

ENSMUSG00000000093.7,Tbx2,protein_coding	0.26192526	0.5957845
ENSMUSG00000034810.8,Scn7a,protein_coding	0.26174477	0.4435865
ENSMUSG00000004552.17,Ctse,protein_coding	0.2616254	0.8796372
ENSMUSG00000110499.2,Gm45873,TEC	0.26159861	0.3452497
ENSMUSG00000123342.1,ENSMUSG00000123342,lncRNA	0.26159178	0.8222655
ENSMUSG00000036661.15,Dennd3,protein_coding	0.26151102	0.4783212
ENSMUSG00000035382.10,Pcsk7,protein_coding	0.26148964	0.0789785
ENSMUSG00000097320.10,Tmem147os,lncRNA	0.26147828	0.2615122
ENSMUSG00000035713.16,Usp35,protein_coding	0.2614623	0.1312284
ENSMUSG00000006390.16,Elovl1,protein_coding	0.26134783	0.302646
ENSMUSG00000110027.4,C030029H02Rik,lncRNA	0.26107645	0.3575708
ENSMUSG00000092203.10,1110038B12Rik,lncRNA	0.26101955	0.463182
ENSMUSG00000036777.9,Anln,protein_coding	0.26088115	0.2689248
ENSMUSG00000113622.2,Gm49749,lncRNA	0.26084322	0.2411237
ENSMUSG00000002007.6,Srpk3,protein_coding	0.260825	0.5820065
ENSMUSG00000084240.2,Gm15383,processed_pseudogene	0.26078272	0.6072285
ENSMUSG00000048728.16,Zfp454,protein_coding	0.26074238	0.2913994
ENSMUSG00000002012.14,Pnck,protein_coding	0.26067872	0.3332568
ENSMUSG00000102509.2,Gm37368,TEC	0.26065647	0.3801335
ENSMUSG00000138379.1,ENSMUSG00000138379,lncRNA	0.26058762	0.599221
ENSMUSG00000059136.5,Or13a25,protein_coding	0.26039242	0.6727731
ENSMUSG00000140700.1,ENSMUSG00000140700,lncRNA	0.26037699	0.6040934
ENSMUSG00000104639.2,Gm42939,lncRNA	0.26010258	0.5767471
ENSMUSG00000134447.1,ENSMUSG00000134447,lncRNA	0.26009851	0.6623381
ENSMUSG00000111254.2,Gm48717,TEC	0.26006755	0.3960715
ENSMUSG00000087579.10,Hectd2os,lncRNA	0.25979384	0.4721088
ENSMUSG00000065309.4,Gm23244,snRNA	0.25976086	0.7479115
ENSMUSG00000065287.3,Gm24451,snoRNA	0.25973591	0.5068673
ENSMUSG00000103442.6,Pcdha1,protein_coding	0.25973428	0.4334103
ENSMUSG00000112162.2,Gm48758,processed_pseudogene	0.25967534	0.5185442
ENSMUSG00000097083.3,D930019O06Rik,lncRNA	0.25960193	0.3508274
ENSMUSG00000030589.17,Rasgrp4,protein_coding	0.25954556	0.4682463
ENSMUSG00000051169.15,Rpusd3,protein_coding	0.25953171	0.3679995
ENSMUSG00000032202.12,Rab27a,protein_coding	0.25948938	0.1270199
ENSMUSG00000088088.2,Rmrp,ribozyme	0.25939428	0.2392482
ENSMUSG00000028794.14,A3galt2,protein_coding	0.2593832	0.5650883
ENSMUSG00000028360.11,Slc44a5,protein_coding	0.25935666	0.2738069
ENSMUSG00000039759.11,Thap3,protein_coding	0.25924312	0.3555175
ENSMUSG00000023868.18,Pde10a,protein_coding	0.25890364	0.6194556
ENSMUSG00000112036.2,Gm47801,TEC	0.25859306	0.4629761
ENSMUSG00000038725.14,Pkhd1l1,protein_coding	0.25830664	0.5792791
ENSMUSG00000125832.1,ENSMUSG00000125832,lncRNA	0.25828946	0.5872461
ENSMUSG00000017386.11,Traf4,protein_coding	0.25789191	0.253992
ENSMUSG00000119990.2,Gm53610,lncRNA	0.2577593	0.413718
ENSMUSG00000102571.2,Gm37967,TEC	0.25764349	0.504891
ENSMUSG00000016520.8,Lnx2,protein_coding	0.25732743	0.4399339
ENSMUSG00000085321.3,4930412F09Rik,lncRNA	0.25727413	0.5644521
ENSMUSG00000112928.3,Gm47710,lncRNA	0.25721943	0.4500776
ENSMUSG00000050103.19,Agmo,protein_coding	0.25717247	0.281789
ENSMUSG00000097023.11,Mir9-3hg,lncRNA	0.2571544	0.220406
ENSMUSG00000095562.10,Erdr1x,lncRNA	0.25696319	0.3461146
ENSMUSG00000109852.2,Gm45360,TEC	0.25694982	0.5262405

ENSMUSG00000064542.3,Gm22980,snoRNA	0.2568475	0.7333036
ENSMUSG00000035125.11,Gcfc2,protein_coding	0.25668377	0.3003255
ENSMUSG00000036046.15,5031439G07Rik,protein_coding	0.2565341	0.138926
ENSMUSG00000021130.9,Galnt16,protein_coding	0.25651535	0.4429895
ENSMUSG00000102427.2,Gm37463,TEC	0.25642242	0.3713567
ENSMUSG00000075465.3,Gm10837,lncRNA	0.2563863	0.6907956
ENSMUSG00000040413.16,Timd2,protein_coding	0.25630177	0.9454576
ENSMUSG00000091002.3,Tcerg1l,protein_coding	0.25625333	0.2586576
ENSMUSG00000034926.4,Dhcr24,protein_coding	0.25621526	0.2257094
ENSMUSG00000079056.14,Kcnip3,protein_coding	0.25590007	0.1422268
ENSMUSG00000043843.18,Tmem145,protein_coding	0.25578515	0.2821275
ENSMUSG00000037211.13,Spry1,protein_coding	0.25573365	0.2782365
ENSMUSG00000050266.7,Or52b1,protein_coding	0.25568608	0.5244163
ENSMUSG00000011256.17,Adam19,protein_coding	0.25565704	0.1558682
ENSMUSG00000040592.12,Cd79b,protein_coding	0.2556357	0.95743
ENSMUSG00000025665.18,Rps6ka6,protein_coding	0.25562432	0.3756743
ENSMUSG00000052155.6,Acvr2a,protein_coding	0.25551601	0.3471527
ENSMUSG00000108216.2,Gm44153,TEC	0.25550389	0.3034166
ENSMUSG00000105750.2,Gm43130,TEC	0.25546543	0.4025378
ENSMUSG00000118561.2,Gm53007,processed_pseudogene	0.25546457	0.6769907
ENSMUSG00000085783.4,Gm9816,processed_pseudogene	0.25545719	0.7080544
ENSMUSG00000037216.6,Lipt1,protein_coding	0.25542836	0.4330051
ENSMUSG00000041734.16,Kirrel1,protein_coding	0.25541854	0.1902108
ENSMUSG00000030613.14,Ccdc90b,protein_coding	0.25539384	0.2479048
ENSMUSG00000026360.10,Rgs2,protein_coding	0.25535412	0.3145424
ENSMUSG00000097749.4,Gm16938,lncRNA	0.25526147	0.3722372
ENSMUSG00000081087.2,Rps15a-ps7,processed_pseudogene	0.25517341	0.8415204
ENSMUSG00000078958.10,Atp6ap1l,protein_coding	0.25503437	0.4537681
ENSMUSG00000028369.16,Svep1,protein_coding	0.2550093	0.6609245
ENSMUSG00000026197.13,Zfand2b,protein_coding	0.25484795	0.3199754
ENSMUSG00000126324.1,ENSMUSG00000126324,lncRNA	0.25481842	0.5709462
ENSMUSG00000031765.9,Mt1,protein_coding	0.25472549	0.363997
ENSMUSG00000087042.2,Gm11611,lncRNA	0.25464727	0.3061612
ENSMUSG00000039623.14,Ap5z1,protein_coding	0.2545744	0.2173882
ENSMUSG00000079144.8,A130010J15Rik,protein_coding	0.25450309	0.1750711
ENSMUSG00000097393.11,D030068K23Rik,lncRNA	0.25439875	0.4046965
ENSMUSG00000079467.11,Gm14966,lncRNA	0.25426448	0.2376638
ENSMUSG00000032376.13,Usp3,protein_coding	0.25420893	0.4738694
ENSMUSG00000116321.2,Gm49522,TEC	0.25403827	0.4666211
ENSMUSG00000109094.2,Gm44587,TEC	0.25396206	0.4910784
ENSMUSG00000036820.13,Amdhd2,protein_coding	0.25390408	0.1748736
ENSMUSG00000031595.10,Pdgfrl,protein_coding	0.2538893	0.531416
ENSMUSG00000056679.14,Gpr173,protein_coding	0.25388226	0.1366227
ENSMUSG00000106959.2,Gm42548,TEC	0.2538763	0.3803433
ENSMUSG00000037913.13,Tmem156,protein_coding	0.25377087	0.9271844
ENSMUSG00000030847.9,Bag3,protein_coding	0.2537506	0.3820662
ENSMUSG00000042567.21,Nek10,protein_coding	0.25354184	0.5037367
ENSMUSG00000024942.20,Capn1,protein_coding	0.25350819	0.2886998
ENSMUSG00000114709.3,Gm47920,lncRNA	0.2534857	0.4964165
ENSMUSG00000030074.10,Gxylt2,protein_coding	0.25346053	0.3636787
ENSMUSG00000120382.2,4930558N01Rik,lncRNA	0.25343386	0.4028505
ENSMUSG00000110405.2,Gm45534,TEC	0.25337173	0.4327297

ENSMUSG00000103857.2,Gm37249,TEC	0.25335326	0.3823394
ENSMUSG00000116766.2,Gm49702,TEC	0.25330754	0.6999427
ENSMUSG00000026494.13,Kif26b,protein_coding	0.2531933	0.2660016
ENSMUSG00000022123.10,Scel,protein_coding	0.25307718	0.4953136
ENSMUSG00000023259.18,Slc26a6,protein_coding	0.25306291	0.1513438
ENSMUSG00000118399.2,Gm18917,processed_pseudogene	0.25304767	0.5781674
ENSMUSG00000120099.1,Gm57107,lncRNA	0.25303684	0.4837299
ENSMUSG00000092072.4,Gm4540,processed_pseudogene	0.25296566	0.8115236
ENSMUSG00000034786.18,Gpsm3,protein_coding	0.252926	0.7856508
ENSMUSG00000045268.14,Zfp691,protein_coding	0.25291303	0.417391
ENSMUSG00000110360.2,Gm45380,processed_pseudogene	0.25284294	0.5214189
ENSMUSG00000115275.2,9630050E16Rik,TEC	0.2528099	0.3628613
ENSMUSG00000106411.2,Gm42445,TEC	0.25280261	0.4990183
ENSMUSG00000124189.1,ENSMUSG00000124189,lncRNA	0.25278684	0.4767142
ENSMUSG00000086842.3,Gm15681,processed_pseudogene	0.25273205	0.4735234
ENSMUSG00000018822.8,Sfrp5,protein_coding	0.25267041	0.713876
ENSMUSG00000014782.17,Plekhg4,protein_coding	0.25263674	0.4121912
ENSMUSG00000041736.8,Tspo,protein_coding	0.25254069	0.7922596
ENSMUSG00000121079.2,Gm57389,lncRNA	0.2523867	0.5471695
ENSMUSG00000120262.2,9530077C14Rik,lncRNA	0.25224226	0.3431165
ENSMUSG00000035239.8,Neu3,protein_coding	0.25202056	0.41395
ENSMUSG00000002204.10,Napsa,protein_coding	0.25173853	0.9280696
ENSMUSG00000133751.1,ENSMUSG00000133751,lncRNA	0.2515434	0.5907644
ENSMUSG00000120402.2,Gm56886,lncRNA	0.25143051	0.4971945
ENSMUSG00000111394.2,Gm49759,TEC	0.25137198	0.2685776
ENSMUSG00000102919.2,Gm37726,TEC	0.25119823	0.655254
ENSMUSG00000044328.14,Trp53i13,protein_coding	0.2511731	0.6414847
ENSMUSG00000051617.4,Krt9,protein_coding	0.25103366	0.6622295
ENSMUSG00000037679.10,Inf2,protein_coding	0.25084743	0.4646958
ENSMUSG00000112832.3,4930484H19Rik,lncRNA	0.25067139	0.6807396
ENSMUSG00000102441.2,Gm38032,TEC	0.25027825	0.5543362
ENSMUSG00000117231.3,Gm41609,lncRNA	0.25025778	0.5419195
ENSMUSG00000118087.4,4833438C02Rik,lncRNA	0.2502194	0.7254572
ENSMUSG00000105710.2,Gm43859,TEC	0.25013472	0.6123858
ENSMUSG00000091679.10,Vmn2r96,protein_coding	0.25004654	0.903677
ENSMUSG00000020648.4,Dus4l,protein_coding	0.25001029	0.472023
ENSMUSG00000073528.8,Gm10530,lncRNA	0.24997178	0.4629619
ENSMUSG00000025225.16,Nfkb2,protein_coding	0.24996521	0.8574485
ENSMUSG00000137527.1,ENSMUSG00000137527,lncRNA	0.24991848	0.4061641
ENSMUSG00000024899.8,Papss2,protein_coding	0.24991783	0.1247794
ENSMUSG00000038648.6,Creb3l2,protein_coding	0.24979354	0.1124124
ENSMUSG00000029727.8,Cyp3a13,protein_coding	0.24978888	0.4131705
ENSMUSG00000109214.3,Gm44659,lncRNA	0.24965668	0.9121529
ENSMUSG00000096052.4,9930004E17Rik,lncRNA	0.24964089	0.5262843
ENSMUSG00000114526.2,A930015P04Rik,TEC	0.24947434	0.6031797
ENSMUSG00000026960.7,Arl6ip6,protein_coding	0.24944251	0.3981497
ENSMUSG00000032254.11,Kif23,protein_coding	0.24943758	0.8402503
ENSMUSG00000029204.8,Rhoh,protein_coding	0.24927102	0.8925121
ENSMUSG00000102615.2,Gm37844,TEC	0.24925794	0.3309728
ENSMUSG00000102665.2,Gm38379,TEC	0.24925211	0.4837193
ENSMUSG00000046607.7,Hrk,protein_coding	0.24924465	0.3350173
ENSMUSG00000135750.1,ENSMUSG00000135750,lncRNA	0.24915812	0.7288474

ENSMUSG00000048310.9,Pskh1,protein_coding	0.24911105	0.2783641
ENSMUSG00000065738.3,Gm24494,snoRNA	0.24907027	0.770263
ENSMUSG00000010051.16,Hyal1,protein_coding	0.24899906	0.3622359
ENSMUSG00000078886.13,Gm2026,protein_coding	0.24894086	0.4237116
ENSMUSG00000021318.16,Gli3,protein_coding	0.24884064	0.1819214
ENSMUSG00000058441.8,Panx2,protein_coding	0.24877989	0.2200234
ENSMUSG00000087968.3,Gm25395,scaRNA	0.24877166	0.0910387
ENSMUSG00000106061.2,Gm43773,lncRNA	0.24874139	0.3303214
ENSMUSG00000105382.2,Gm43339,TEC	0.24869031	0.2144177
ENSMUSG00000099241.3,Gvin-ps2,processed_pseudogene	0.24859647	0.8545653
ENSMUSG00000028150.15,Rorc,protein_coding	0.24856511	0.6236325
ENSMUSG00000011008.14,Mcoln2,protein_coding	0.24856112	0.8889811
ENSMUSG00000027314.7,Dll4,protein_coding	0.24850876	0.512943
ENSMUSG00000034330.11,Plcg2,protein_coding	0.24839685	0.8413287
ENSMUSG00000018217.13,Pmp22,protein_coding	0.24831828	0.367669
ENSMUSG00000026873.10,Phf19,protein_coding	0.2483017	0.7012818
ENSMUSG00000034659.15,Tmem109,protein_coding	0.24818361	0.2281842
ENSMUSG00000057963.10,Itpk1,protein_coding	0.24815239	0.182568
ENSMUSG00000105970.2,Gm43360,TEC	0.24798303	0.2120958
ENSMUSG00000106354.2,Gm42607,TEC	0.24760781	0.4009049
ENSMUSG00000082609.2,Gm15464,processed_pseudogene	0.24759147	0.6222061
ENSMUSG00000049303.11,Syt12,protein_coding	0.24757347	0.2578712
ENSMUSG00000140523.1,ENSMUSG00000140523,lncRNA	0.24747723	0.396835
ENSMUSG00000020973.8,Dnaaf2,protein_coding	0.24742148	0.4812574
ENSMUSG00000003934.6,Efnb3,protein_coding	0.24733711	0.2487175
ENSMUSG00000025409.15,Mbd6,protein_coding	0.24732218	0.2210737
ENSMUSG00000079014.5,Serpina3i,protein_coding	0.24729002	0.8685855
ENSMUSG00000091898.9,Tnnc1,protein_coding	0.2472605	0.6416994
ENSMUSG00000021567.16,Nkd2,protein_coding	0.24722141	0.5717538
ENSMUSG00000089665.3,Fcor,protein_coding	0.24720394	0.5320316
ENSMUSG00000121771.2,ENSMUSG00000121771,lncRNA	0.24717497	0.6398868
ENSMUSG00000004864.14,Mapk13,protein_coding	0.24710758	0.7602127
ENSMUSG00000064563.3,Snora7a,snoRNA	0.24693001	0.4343037
ENSMUSG00000035834.12,Polr3g,protein_coding	0.2468881	0.3710912
ENSMUSG00000140331.1,Gm19439,lncRNA	0.24684487	0.6037784
ENSMUSG00000073422.12,Hsd17b8,protein_coding	0.2467901	0.3150478
ENSMUSG00000121797.1,Gm15501,lncRNA	0.24668013	0.580754
ENSMUSG00000053166.15,Cdh22,protein_coding	0.2466483	0.2254245
ENSMUSG00000030337.17,Vamp1,protein_coding	0.24663032	0.3779966
ENSMUSG00000032175.12,Tyk2,protein_coding	0.24659982	0.1516173
ENSMUSG00000106643.2,Gm43422,TEC	0.24636441	0.5319453
ENSMUSG00000028840.11,Zfp593,protein_coding	0.24629375	0.4643776
ENSMUSG00000097184.5,4632428C04Rik,lncRNA	0.24625219	0.4574642
ENSMUSG00000121871.2,Slc2a4rg-ps,lncRNA	0.24621577	0.2309985
ENSMUSG00000045251.14,Zfp688,protein_coding	0.24620945	0.342799
ENSMUSG00000063415.13,Cyp26b1,protein_coding	0.24606589	0.4509702
ENSMUSG00000121810.1,Pphln1-ps1,lncRNA	0.24606538	0.5360937
ENSMUSG00000044716.13,Dok7,protein_coding	0.24597106	0.3009886
ENSMUSG00000064254.7,Ethe1,protein_coding	0.24596341	0.5117126
ENSMUSG00000028893.9,Sesn2,protein_coding	0.2458859	0.5208673
ENSMUSG00000091686.3,4930471C04Rik,lncRNA	0.24581374	0.6058727
ENSMUSG00000077391.3,Gm24336,snoRNA	0.24575459	0.6006339

ENSMUSG00000021388.15,Aspn,protein_coding	0.24557548	0.5369849
ENSMUSG00000034908.17,Sidt2,protein_coding	0.24555231	0.0546281
ENSMUSG00000071532.7,Gm10335,processed_pseudogene	0.24554281	0.6255825
ENSMUSG00000030256.12,Bhlhe41,protein_coding	0.24531277	0.076688
ENSMUSG00000025582.5,Nptx1,protein_coding	0.24529052	0.3453261
ENSMUSG00000065087.3,Snord22,snoRNA	0.24523952	0.3187782
ENSMUSG00000104971.2,9430087B13Rik,TEC	0.24516143	0.7257104
ENSMUSG00000117429.2,A430019L02Rik,TEC	0.24498773	0.2982433
ENSMUSG00000138224.1,ENSMUSG00000138224,lncRNA	0.2449611	0.230942
ENSMUSG00000096751.4,Gm28373,lncRNA	0.24495727	0.3504344
ENSMUSG00000084880.2,Tomm6os,lncRNA	0.24495433	0.2929991
ENSMUSG00000015134.16,Aldh1a3,protein_coding	0.24493072	0.4446849
ENSMUSG00000037992.17,Rara,protein_coding	0.24456589	0.3806061
ENSMUSG00000069072.10,Slc7a14,protein_coding	0.24451978	0.1170829
ENSMUSG00000020914.18,Top2a,protein_coding	0.24429552	0.9076304
ENSMUSG00000025723.13,Nmb,protein_coding	0.24389463	0.6390442
ENSMUSG00000031980.11,Agt,protein_coding	0.24387511	0.5683834
ENSMUSG00000069265.3,H3c1,protein_coding	0.24384141	0.8683571
ENSMUSG00000078880.11,Gm14308,protein_coding	0.24376407	0.4744957
ENSMUSG00000016206.7,H2-M3,protein_coding	0.24370974	0.801947
ENSMUSG00000121487.2,Gm57587,lncRNA	0.24362034	0.2247079
ENSMUSG00000087377.4,AV099323,lncRNA	0.24353328	0.7338288
ENSMUSG00000092242.3,Gm20515,lncRNA	0.2434902	0.4911159
ENSMUSG00000120923.2,Gm56736,lncRNA	0.24339026	0.6266183
ENSMUSG00000123393.1,ENSMUSG00000123393,lncRNA	0.24337213	0.6371599
ENSMUSG00000030782.18,Tgfb1i1,protein_coding	0.24319257	0.1433902
ENSMUSG00000024069.15,Slc30a6,protein_coding	0.24316766	0.1359361
ENSMUSG00000102813.2,Gm37795,TEC	0.24311966	0.2433964
ENSMUSG00000042988.11,Notum,protein_coding	0.24308527	0.5681377
ENSMUSG00000041939.15,Mvk,protein_coding	0.24298333	0.3569389
ENSMUSG00000026779.7,Mastl,protein_coding	0.24277965	0.7607906
ENSMUSG00000005883.16,Spo11,protein_coding	0.24274049	0.8702003
ENSMUSG00000121452.1,ENSMUSG00000121452,lncRNA	0.24272836	0.4778572
ENSMUSG00000106356.2,Gm42438,TEC	0.24272721	0.4876499
ENSMUSG00000104874.2,Gm43387,lncRNA	0.24265513	0.4631063
ENSMUSG00000030747.6,Dgat2,protein_coding	0.24262822	0.4325309
ENSMUSG00000120010.2,Gm57327,lncRNA	0.24258028	0.2447248
ENSMUSG00000111491.2,Gm47503,TEC	0.24254491	0.4181969
ENSMUSG00000088835.3,Gm23547,snoRNA	0.24235838	0.2965899
ENSMUSG00000031431.14,Tsc22d3,protein_coding	0.2421692	0.2737056
ENSMUSG00000085389.10,1700003M07Rik,lncRNA	0.24201818	0.3490223
ENSMUSG00000080059.5,Rps19-ps3,processed_pseudogene	0.24193838	0.5414307
ENSMUSG00000030043.12,Tacr1,protein_coding	0.24186885	0.5024436
ENSMUSG00000098120.3,Gm5914,lncRNA	0.24183573	0.5662751
ENSMUSG00000118364.2,Gm54420,TEC	0.24181977	0.4574998
ENSMUSG00000124762.1,ENSMUSG00000124762,lncRNA	0.2418029	0.5842794
ENSMUSG00000016757.12,Ttll12,protein_coding	0.24176809	0.2026241
ENSMUSG00000082057.2,Gm15789,processed_pseudogene	0.24176013	0.6382675
ENSMUSG00000020396.9,Nefh,protein_coding	0.24162112	0.4963795
ENSMUSG00000022571.10,Pycr3,protein_coding	0.24161449	0.3420787
ENSMUSG00000106385.2,Gm42943,TEC	0.24157437	0.3812644
ENSMUSG00000090565.9,4930405O22Rik,lncRNA	0.2413823	0.5383283

ENSMUSG00000038943.17,Prc1,protein_coding	0.2412388	0.8398724
ENSMUSG00000030732.14,Chrdl2,protein_coding	0.24108452	0.6253202
ENSMUSG00000065126.3,Snord104,snoRNA	0.24102596	0.642884
ENSMUSG00000070871.11,Ccnyl1,protein_coding	0.24099732	0.231924
ENSMUSG00000037872.6,Ackr1,protein_coding	0.24088146	0.3294339
ENSMUSG00000077221.3,Snord67,snoRNA	0.24087144	0.4274522
ENSMUSG00000107720.2,Gm43946,TEC	0.24062525	0.5321726
ENSMUSG00000104046.2,Gm37567,TEC	0.24055624	0.7530186
ENSMUSG00000118706.1,Snord14d,snoRNA	0.24047485	0.470811
ENSMUSG00000103783.2,Gm37522,TEC	0.24045171	0.2325277
ENSMUSG00000020718.13,Polg2,protein_coding	0.24030151	0.4564263
ENSMUSG00000026726.11,Cubn,protein_coding	0.24027092	0.5965236
ENSMUSG00000028341.10,Nr4a3,protein_coding	0.24014808	0.4974576
ENSMUSG00000110386.2,Gm42031,lncRNA	0.24001842	0.8359274
ENSMUSG00000109131.2,Gm44862,TEC	0.23999583	0.4854299
ENSMUSG00000078317.7,F8a,protein_coding	0.23999519	0.2110894
ENSMUSG00000090119.2,Gm8185,processed_pseudogene	0.23987325	0.5846013
ENSMUSG00000087336.4,Gm15860,lncRNA	0.23981629	0.3561611
ENSMUSG00000110187.2,Gm45496,TEC	0.23959815	0.5339625
ENSMUSG00000114851.3,Gm46409,lncRNA	0.23946129	0.5617621
ENSMUSG00000057286.7,St6galnac2,protein_coding	0.23945754	0.4346488
ENSMUSG00000103525.2,Gm37262,TEC	0.23943855	0.5236826
ENSMUSG00000101778.2,Gm29488,lncRNA	0.23943224	0.5215119
ENSMUSG00000109031.2,Gm45201,TEC	0.23934021	0.5150861
ENSMUSG00000140389.1,ENSMUSG00000140389,lncRNA	0.23925268	0.3783283
ENSMUSG00000120335.2,A630066F11Rik,lncRNA	0.23921872	0.7015369
ENSMUSG00000042662.17,Dusp15,protein_coding	0.23906476	0.1256384
ENSMUSG00000106904.2,Gm43029,TEC	0.23898647	0.5052011
ENSMUSG00000032502.9,Stac,protein_coding	0.23892219	0.2249398
ENSMUSG00002076896.1,Gm55431,scaRNA	0.23891965	0.2728288
ENSMUSG00000041548.5,Hspb8,protein_coding	0.23881464	0.5140125
ENSMUSG00000034652.13,Cd300a,protein_coding	0.23869614	0.5909676
ENSMUSG00000110669.2,Gm10060,transcribed_processed_pseudogene	0.23864086	0.5646107
ENSMUSG00000104706.2,Gm43421,TEC	0.23849997	0.2913671
ENSMUSG00000023036.15,Pcdhgc4,protein_coding	0.23831481	0.2843609
ENSMUSG00000026437.13,Cdk18,protein_coding	0.23816477	0.3851071
ENSMUSG00000104449.2,Gm37255,TEC	0.23809786	0.3601224
ENSMUSG00000091183.6,Gm5141,protein_coding	0.23807843	0.6288819
ENSMUSG00000005973.7,Rcn1,protein_coding	0.23807069	0.3822729
ENSMUSG00000100627.9,A830008E24Rik,lncRNA	0.23794273	0.5892052
ENSMUSG00000085278.3,Gm12841,lncRNA	0.23784796	0.5622426
ENSMUSG00000070705.4,Eid2b,protein_coding	0.23779362	0.1046955
ENSMUSG00000099625.2,Gm29325,lncRNA	0.23773203	0.4094004
ENSMUSG00000085956.4,4930481B07Rik,lncRNA	0.23769012	0.5623877
ENSMUSG00000116953.2,Ermardl2,protein_coding	0.23757615	0.5163711
ENSMUSG00000104388.2,Gm37033,TEC	0.23752347	0.5347513
ENSMUSG00000119476.1,Rnu1a1,snRNA	0.23736617	0.3046
ENSMUSG00000118815.1,Gm22068,snRNA	0.23736617	0.3046
ENSMUSG00000041975.18,Mettl8,protein_coding	0.23727566	0.1912166
ENSMUSG00000052415.6,Tchh,protein_coding	0.23682036	0.5129421
ENSMUSG00000032656.15,Marchf3,protein_coding	0.23647837	0.321538
ENSMUSG00000024160.18,Spsb3,protein_coding	0.23633829	0.2250929

ENSMUSG00000063696.8,Gm8730,processed_pseudogene	0.23628823	0.724884
ENSMUSG00000040569.14,Slc26a7,protein_coding	0.23627919	0.589596
ENSMUSG00000045672.16,Col27a1,protein_coding	0.23627722	0.5178732
ENSMUSG00000104682.2,Gm42636,TEC	0.23622322	0.4375438
ENSMUSG00000097280.3,AI849053,lncRNA	0.23620488	0.6257968
ENSMUSG00000083621.2,Gm14586,processed_pseudogene	0.23596855	0.6592931
ENSMUSG00000120151.2,Gm56834,lncRNA	0.23579895	0.5136948
ENSMUSG00000110227.2,Gm45634,TEC	0.23570513	0.4389296
ENSMUSG00000065822.3,Snord15a,snoRNA	0.23551828	0.5203792
ENSMUSG00000138970.1,ENSMUSG00000138970,lncRNA	0.2354678	0.6474215
ENSMUSG00000020847.16,Rph3al,protein_coding	0.23543069	0.5232006
ENSMUSG00000112914.2,Gm47702,TEC	0.2354015	0.5678999
ENSMUSG00000107620.2,2700052C19Rik,TEC	0.23537636	0.5544723
ENSMUSG00000102633.2,Gm38224,TEC	0.23531238	0.6115706
ENSMUSG00000029722.16,Agfg2,protein_coding	0.23521883	0.1141305
ENSMUSG00000062309.9,Rpp25,protein_coding	0.23517457	0.5169086
ENSMUSG00000021903.12,Galnt15,protein_coding	0.23515236	0.6146909
ENSMUSG00000043633.7,Fam221b,protein_coding	0.2351213	0.4006884
ENSMUSG00000086889.3,Phf2os1,lncRNA	0.23512054	0.417912
ENSMUSG00000049721.15,Gal3st1,protein_coding	0.23503882	0.2760943
ENSMUSG00000141980.1,ENSMUSG00000141980,lncRNA	0.23503382	0.5083877
ENSMUSG00000138036.1,Rny1,lncRNA	0.2350279	0.6690789
ENSMUSG00000104860.2,Gm42510,TEC	0.23499619	0.6457745
ENSMUSG00000036208.14,Nepro,protein_coding	0.23496663	0.3792448
ENSMUSG00000071379.3,Hpcal1,protein_coding	0.23494315	0.3484545
ENSMUSG00000110696.2,Gm45706,TEC	0.23488869	0.5851978
ENSMUSG00002074985.1,Gm56381,misc_RNA	0.23481216	0.502304
ENSMUSG00000060380.5,C030014I23Rik,lncRNA	0.23478527	0.5289503
ENSMUSG00000118029.2,Gm55328,TEC	0.23474428	0.4916637
ENSMUSG00000031323.9,Dmrtc1a,protein_coding	0.23471269	0.6481127
ENSMUSG00000041837.5,Pdcd7,protein_coding	0.23461725	0.1753913
ENSMUSG00000097793.4,Gm17259,lncRNA	0.23461657	0.5477214
ENSMUSG00000092162.4,Vmn2r86,protein_coding	0.23459026	0.5314778
ENSMUSG00000007837.12,Prrg2,protein_coding	0.23455725	0.3456773
ENSMUSG00000031328.17,Flna,protein_coding	0.23448831	0.1324196
ENSMUSG00000120027.2,Gm57071,lncRNA	0.23445952	0.5951632
ENSMUSG00000026958.14,Dpp7,protein_coding	0.23440519	0.167313
ENSMUSG00000103466.2,Gm37247,TEC	0.23430374	0.4317158
ENSMUSG00000109784.2,Gm45493,TEC	0.23429633	0.3586582
ENSMUSG00000033458.18,Fan1,protein_coding	0.23428931	0.0812307
ENSMUSG00000130127.1,ENSMUSG00000130127,lncRNA	0.23426991	0.4593055
ENSMUSG00000036585.17,Fgf1,protein_coding	0.23424994	0.4237742
ENSMUSG00000120193.2,Gm36457,lncRNA	0.23418703	0.4893471
ENSMUSG00000020743.16,Mif4gd,protein_coding	0.2340858	0.6373664
ENSMUSG00000030352.16,Tspan9,protein_coding	0.23403225	0.4100274
ENSMUSG00000035828.12,Pim3,protein_coding	0.23401729	0.2431726
ENSMUSG00000001305.6,Rrp15,protein_coding	0.23389822	0.2969312
ENSMUSG00000064264.15,Zfp428,protein_coding	0.23389289	0.4214975
ENSMUSG00000030499.10,Kctd15,protein_coding	0.23387865	0.4135591
ENSMUSG00000120435.2,Gm57275,lncRNA	0.23386433	0.6801455
ENSMUSG00000108526.2,Gm45828,TEC	0.2338465	0.4084329
ENSMUSG00000089844.8,Sp140l1,protein_coding	0.2337918	0.9248945

ENSMUSG00000087674.10,4930447M23Rik,lncRNA	0.23365848	0.4488432
ENSMUSG00000110914.2,Gm48611,TEC	0.23363187	0.4290536
ENSMUSG00000097899.4,Gm16894,lncRNA	0.2336163	0.3819572
ENSMUSG00000065289.3,Gm23650,snoRNA	0.23352742	0.7589364
ENSMUSG00000113262.2,Gm48551,protein_coding	0.23349689	0.4150651
ENSMUSG00000018339.13,Gpx3,protein_coding	0.23339982	0.6180315
ENSMUSG00000051504.19,Siglech,protein_coding	0.23331987	0.419195
ENSMUSG00000032977.10,Slx9,protein_coding	0.23328449	0.1681982
ENSMUSG00000116125.3,Gm41361,lncRNA	0.23310095	0.422245
ENSMUSG00000130420.1,ENSMUSG00000130420,lncRNA	0.23294566	0.5615726
ENSMUSG00000103309.2,BC037039,lncRNA	0.23280633	0.5223184
ENSMUSG00000128028.1,ENSMUSG00000128028,lncRNA	0.23278015	0.716873
ENSMUSG00000119848.1,Gm25380,snRNA	0.23263427	0.7222018
ENSMUSG00000112779.2,Gm18029,processed_pseudogene	0.23257344	0.527633
ENSMUSG00000103621.2,Gm38366,TEC	0.23252874	0.3519768
ENSMUSG00000069227.5,Gprin1,protein_coding	0.2322554	0.3235964
ENSMUSG00000102133.2,Gm37106,TEC	0.23224479	0.5390622
ENSMUSG00000021361.8,Tmem14c,protein_coding	0.23220363	0.3167936
ENSMUSG00000106386.2,Gm42991,TEC	0.23204696	0.4277224
ENSMUSG00000057337.15,Chst3,protein_coding	0.23191338	0.8128956
ENSMUSG00000070942.9,Il1rl2,protein_coding	0.23183518	0.6671381
ENSMUSG00000037254.19,Itih2,protein_coding	0.23180195	0.6425396
ENSMUSG00000029591.15,Ung,protein_coding	0.23172392	0.6799085
ENSMUSG00000044707.8,Ccnjl,protein_coding	0.23165647	0.4416063
ENSMUSG00000093672.4,Gm20655,lncRNA	0.23161753	0.5225439
ENSMUSG00000028159.15,Dapp1,protein_coding	0.23151984	0.7037722
ENSMUSG00000120282.2,Gm56738,lncRNA	0.23151164	0.6393416
ENSMUSG00000089998.4,Phtf1os,lncRNA	0.2313817	0.4595456
ENSMUSG00000111594.2,Gm3365,transcribed_unprocessed_pseudogene	0.23130391	0.6299784
ENSMUSG00000026622.16,Nek2,protein_coding	0.23124334	0.6282105
ENSMUSG00000020167.15,Tcf3,protein_coding	0.23107841	0.5562384
ENSMUSG00000104947.2,Gm43721,TEC	0.23101836	0.5507792
ENSMUSG00000103734.2,Gm37651,TEC	0.23075168	0.4674134
ENSMUSG00000044783.17,Hjurp,protein_coding	0.23060144	0.4922617
ENSMUSG00000071234.4,Syndig1l,protein_coding	0.23052927	0.5800573
ENSMUSG00000002908.19,Kcnn1,protein_coding	0.2302824	0.3604294
ENSMUSG00000021685.13,Otp,protein_coding	0.23019513	0.854986
ENSMUSG00000033510.15,Otud7a,protein_coding	0.23018692	0.2424964
ENSMUSG00000037348.16,Paqr7,protein_coding	0.23016014	0.3113087
ENSMUSG00000129170.1,ENSMUSG00000129170,lncRNA	0.23008763	0.5446299
ENSMUSG00000142529.1,ENSMUSG00000142529,lncRNA	0.23000868	0.5098626
ENSMUSG00000139539.1,ENSMUSG00000139539,lncRNA	0.23000661	0.544343
ENSMUSG00000045667.15,Smtnl2,protein_coding	0.22997155	0.6910312
ENSMUSG00000026121.14,Sema4c,protein_coding	0.22981243	0.1885884
ENSMUSG00000138717.1,ENSMUSG00000138717,lncRNA	0.22977315	0.5589628
ENSMUSG00000143012.1,ENSMUSG00000143012,lncRNA	0.22974303	0.6830861
ENSMUSG00000026188.12,Tmem169,protein_coding	0.2297429	0.2003045
ENSMUSG00000104416.2,Gm37067,TEC	0.22969878	0.3099902
ENSMUSG00000085638.2,Gm15521,lncRNA	0.22969287	0.484479
ENSMUSG00000109398.3,Zfp582,protein_coding	0.22962833	0.2291165
ENSMUSG00000064387.3,Snora73a,snoRNA	0.22950506	0.3964574
ENSMUSG00000142203.1,ENSMUSG00000142203,lncRNA	0.22942623	0.6503242

ENSMUSG00000042705.10,Commd10,protein_coding	0.22940954	0.0993318
ENSMUSG00000097383.4,1500026H17Rik,lncRNA	0.22898492	0.4864366
ENSMUSG00000035206.11,Sppl2b,protein_coding	0.22897197	0.1982287
ENSMUSG00000046157.14,Tmem229b,protein_coding	0.22879579	0.2499465
ENSMUSG00000066607.6,Insyn1,protein_coding	0.22867498	0.340936
ENSMUSG00000047434.15,Xxylt1,protein_coding	0.22865024	0.2326408
ENSMUSG00000131673.1,ENSMUSG00000131673,lncRNA	0.22854882	0.5214546
ENSMUSG00000051262.10,Nat8f3,protein_coding	0.22854323	0.5376396
ENSMUSG00000045929.9,Gm20715,protein_coding	0.22851826	0.5651712
ENSMUSG00000116226.2,Gm49502,TEC	0.22849421	0.3495248
ENSMUSG00000118012.2,Gm46620,lncRNA	0.22845663	0.7786691
ENSMUSG00000084865.3,Gm15723,lncRNA	0.22845129	0.5197219
ENSMUSG00000093930.3,Hmgcs1,protein_coding	0.22844321	0.2508049
ENSMUSG00000038855.11,Itpkb,protein_coding	0.22836461	0.4664555
ENSMUSG00000120231.2,Gm56783,lncRNA	0.22828624	0.6137843
ENSMUSG00000038387.10,Rras,protein_coding	0.22808232	0.4224892
ENSMUSG00000109428.2,Gm45698,TEC	0.22802554	0.6705963
ENSMUSG00000093677.2,Gm20712,lncRNA	0.22801722	0.4442138
ENSMUSG00000044165.13,Bcl2l15,protein_coding	0.22800963	0.7053215
ENSMUSG00000025384.16,Faap100,protein_coding	0.22800392	0.2141664
ENSMUSG00000028172.6,Tacr3,protein_coding	0.22800301	0.5038415
ENSMUSG00000103662.2,Gm34294,TEC	0.22790681	0.5321025
ENSMUSG00000029417.10,Cxcl9,protein_coding	0.22787608	0.9336435
ENSMUSG00000031875.8,Cmtm3,protein_coding	0.22786812	0.4361954
ENSMUSG00000087026.9,A230103J11Rik,lncRNA	0.22777063	0.4451667
ENSMUSG00000081264.2,Gm14021,processed_pseudogene	0.22776224	0.4479531
ENSMUSG00000102415.2,A430110C17Rik,TEC	0.22761013	0.3552817
ENSMUSG00000020420.9,Zfp607a,protein_coding	0.22759445	0.6274826
ENSMUSG00000055866.10,Per2,protein_coding	0.22755559	0.2494707
ENSMUSG00000121444.1,ENSMUSG00000121444,lncRNA	0.22754617	0.537443
ENSMUSG00000070867.5,Trabd2b,protein_coding	0.22753254	0.4600763
ENSMUSG00000138648.1,ENSMUSG00000138648,lncRNA	0.22749288	0.4073064
ENSMUSG00000065725.3,Gm26165,snoRNA	0.22745293	0.4871321
ENSMUSG00000108267.2,Gm44190,lncRNA	0.2273645	0.3947627
ENSMUSG00000086326.3,Gm13200,lncRNA	0.22733747	0.5066804
ENSMUSG00000071679.5,Rtl4,protein_coding	0.22720646	0.5189003
ENSMUSG00000043029.3,Trpv3,protein_coding	0.2271469	0.5010584
ENSMUSG00000033007.16,Asic4,protein_coding	0.22713111	0.5920365
ENSMUSG00000013275.10,Slc41a1,protein_coding	0.22702515	0.0502932
ENSMUSG00000101037.4,Gm28424,lncRNA	0.22687616	0.3332145
ENSMUSG00000135907.1,ENSMUSG00000135907,lncRNA	0.2267985	0.4235018
ENSMUSG00000015013.10,Trappc2l,protein_coding	0.22675696	0.3727722
ENSMUSG00000067780.4,Pi15,protein_coding	0.22668502	0.6420153
ENSMUSG00000109791.2,Gm45636,TEC	0.22661847	0.5246306
ENSMUSG00000105655.2,Gm42659,lncRNA	0.2263744	0.5505646
ENSMUSG00000088252.3,Snord13,snoRNA	0.22635938	0.6990587
ENSMUSG00000021541.15,Trpc7,protein_coding	0.22620553	0.5970382
ENSMUSG00000040856.18,Dlk1,protein_coding	0.22618016	0.7245436
ENSMUSG00000034591.6,Slc41a2,protein_coding	0.22600707	0.4566652
ENSMUSG00000052748.15,Swt1,protein_coding	0.22599574	0.2511694
ENSMUSG00000120507.2,2310047K21Rik,lncRNA	0.22588058	0.3016601
ENSMUSG00000118140.2,Gm4949,processed_pseudogene	0.22586436	0.932292

ENSMUSG00000103916.2,Gm38071,TEC	0.22569048	0.4841464
ENSMUSG00000070469.13,Adamtsl3,protein_coding	0.22564844	0.4098492
ENSMUSG00002076983.1,Gm55949,misc_RNA	0.22561965	0.621117
ENSMUSG00000102481.2,Gm37925,TEC	0.22556457	0.2637074
ENSMUSG00000056498.14,Tmem154,protein_coding	0.22555361	0.7872042
ENSMUSG00000143157.1,ENSMUSG00000143157,lncRNA	0.22553862	0.648532
ENSMUSG00000037166.6,Ppp1r14a,protein_coding	0.22553377	0.4860337
ENSMUSG00000112409.2,C030006N10Rik,TEC	0.22549439	0.6790557
ENSMUSG00000020766.5,Galk1,protein_coding	0.22539474	0.6146044
ENSMUSG00000112056.2,Gm48181,TEC	0.22524369	0.5374855
ENSMUSG00000102474.2,2610012C04Rik,TEC	0.22514444	0.5244912
ENSMUSG00000097350.5,4732491K20Rik,lncRNA	0.22502173	0.1666978
ENSMUSG00000043398.6,Gpr135,protein_coding	0.22499611	0.2724582
ENSMUSG00000020674.18,Pxdn,protein_coding	0.22498021	0.3385741
ENSMUSG00000105500.2,Gm42591,TEC	0.22491883	0.656483
ENSMUSG00000033416.16,Gucd1,protein_coding	0.22486212	0.2715418
ENSMUSG00000107385.6,C330024D21Rik,lncRNA	0.22485553	0.5616234
ENSMUSG00000056596.9,Trnp1,protein_coding	0.22484647	0.2719071
ENSMUSG00000026853.16,Crat,protein_coding	0.22480944	0.2154167
ENSMUSG00000032044.5,Rpusd4,protein_coding	0.2247088	0.2966203
ENSMUSG00000074776.6,Gm10754,lncRNA	0.2246285	0.7671704
ENSMUSG00000130041.1,ENSMUSG00000130041,lncRNA	0.22459828	0.8938454
ENSMUSG00002076545.1,Gm55044,misc_RNA	0.22454497	0.747049
ENSMUSG00000026456.19,Cyb5r1,protein_coding	0.22444736	0.4728011
ENSMUSG00000136827.1,ENSMUSG00000136827,lncRNA	0.22443702	0.5562001
ENSMUSG00000104204.2,Gm37397,TEC	0.22433688	0.4529875
ENSMUSG00002075260.1,Gm54658,misc_RNA	0.2243271	0.446043
ENSMUSG00000078235.4,Fam43b,protein_coding	0.22432391	0.4790683
ENSMUSG00000029999.15,Tgfa,protein_coding	0.22421368	0.4155612
ENSMUSG00000095193.6,Gm20939,lncRNA	0.22408796	0.6524614
ENSMUSG00000030142.11,Clec4e,protein_coding	0.22390705	0.9178192
ENSMUSG00000064853.3,Gm23442,snoRNA	0.2238697	0.3604344
ENSMUSG00000022952.18,Runx1,protein_coding	0.22382114	0.7799863
ENSMUSG00000048424.19,Ranbp3l,protein_coding	0.22373533	0.4650675
ENSMUSG00000000579.15,Dynlt1c,protein_coding	0.22369955	0.546321
ENSMUSG00000115210.2,Gm49308,TEC	0.22368492	0.3507299
ENSMUSG00000030994.17,D7Ertd443e,protein_coding	0.22366951	0.2924218
ENSMUSG00000132973.1,ENSMUSG00000132973,lncRNA	0.22363065	0.6794582
ENSMUSG00000097515.4,1700040D17Rik,lncRNA	0.22347857	0.5322487
ENSMUSG00000046312.5,Myorg,protein_coding	0.22339655	0.1069175
ENSMUSG00000048439.16,Nup42,protein_coding	0.22325713	0.263916
ENSMUSG00000032006.16,Pdgfd,protein_coding	0.22315739	0.5289168
ENSMUSG00000021556.13,Golm1,protein_coding	0.22308102	0.4056988
ENSMUSG00000041653.6,Pnpla3,protein_coding	0.22303195	0.5669946
ENSMUSG00000046010.8,Zfp830,protein_coding	0.2230147	0.2412567
ENSMUSG00000025403.6,Shmt2,protein_coding	0.22298236	0.7232286
ENSMUSG00000111325.2,Gm47140,lncRNA	0.22290886	0.3370602
ENSMUSG00000097613.3,Gm17597,lncRNA	0.22265856	0.4983342
ENSMUSG00000134879.1,ENSMUSG00000134879,lncRNA	0.222549	0.7078033
ENSMUSG00000005983.16,1700037C18Rik,protein_coding	0.22253017	0.4414294
ENSMUSG00000084883.3,Ccdc85c,protein_coding	0.22247761	0.2186582
ENSMUSG00000116290.3,Gm49518,lncRNA	0.22246449	0.5889623

ENSMUSG00000004561.15,Mettl17,protein_coding	0.22241007	0.205501
ENSMUSG00000074802.12,Gas2l3,protein_coding	0.22239429	0.6081452
ENSMUSG00000103762.2,Gm37861,TEC	0.22238635	0.4599401
ENSMUSG00000046637.4,Ttc34,protein_coding	0.22236285	0.6204271
ENSMUSG00000023791.19,Pigx,protein_coding	0.22213305	0.3285773
ENSMUSG00000103540.2,Gm37668,TEC	0.22211745	0.6065203
ENSMUSG00000106729.2,Gm43165,TEC	0.22207533	0.5678
ENSMUSG00000105279.3,Gm6260,lncRNA	0.22204545	0.6082225
ENSMUSG00000089941.3,Gm16168,lncRNA	0.22203416	0.5593897
ENSMUSG00000131858.1,ENSMUSG00000131858,lncRNA	0.22196994	0.5978872
ENSMUSG00000131201.1,ENSMUSG00000131201,lncRNA	0.22196295	0.3592593
ENSMUSG00000025436.13,Atp23,protein_coding	0.22180254	0.2310051
ENSMUSG00000115219.3,Eef1akmt4,protein_coding	0.22174599	0.7601207
ENSMUSG00000141095.1,ENSMUSG00000141095,lncRNA	0.22174133	0.4099783
ENSMUSG00000103552.2,Gm38217,TEC	0.22153529	0.4822691
ENSMUSG00000120522.2,Gm54109,lncRNA	0.22152843	0.3629876
ENSMUSG00000097842.4,9330104G04Rik,lncRNA	0.22145507	0.2279391
ENSMUSG00000039646.6,Vasn,protein_coding	0.22145324	0.4083486
ENSMUSG00000048647.10,Exd1,protein_coding	0.22142605	0.5765167
ENSMUSG00000050973.12,Gdpgp1,protein_coding	0.22127915	0.1986857
ENSMUSG00000063888.8,Rpl7l1,protein_coding	0.2212719	0.2262611
ENSMUSG00000112241.2,Gm49325,protein_coding	0.22124821	0.661299
ENSMUSG00000021662.12,Arhgef28,protein_coding	0.22116848	0.3003399
ENSMUSG00000084453.3,Gm24596,snRNA	0.22102658	0.5602057
ENSMUSG00000010461.17,Eya4,protein_coding	0.22096531	0.4646922
ENSMUSG00000120241.2,Gm57315,lncRNA	0.22091335	0.3896061
ENSMUSG00000019039.15,Dalrd3,protein_coding	0.22078889	0.1450231
ENSMUSG00000133849.1,ENSMUSG00000133849,lncRNA	0.22070628	0.4392944
ENSMUSG00000130979.1,ENSMUSG00000130979,lncRNA	0.22060829	0.9142748
ENSMUSG00000031274.17,Col4a5,protein_coding	0.22049762	0.2326739
ENSMUSG00000105940.2,Gm42635,TEC	0.22046678	0.5769414
ENSMUSG00000118280.3,Gm41804,lncRNA	0.22032752	0.6558275
ENSMUSG00000025239.4,Limd1,protein_coding	0.22031338	0.6340705
ENSMUSG00000105719.2,Gm42872,TEC	0.22024698	0.4588191
ENSMUSG00000073856.12,Iqck,protein_coding	0.220246	0.2805046
ENSMUSG00000102504.2,Gm21955,TEC	0.22021017	0.2631655
ENSMUSG00000090564.11,A430057M04Rik,lncRNA	0.22015086	0.5591262
ENSMUSG00000029860.17,Zyx,protein_coding	0.22009872	0.1925344
ENSMUSG00000041870.18,Ankrd13a,protein_coding	0.22009259	0.1857177
ENSMUSG00000081805.2,Gm14335,processed_pseudogene	0.22008048	0.5494766
ENSMUSG00000102692.2,Dchs2,protein_coding	0.21992338	0.5126784
ENSMUSG00000143377.1,ENSMUSG00000143377,lncRNA	0.21990517	0.4995161
ENSMUSG00000112035.3,Gm30539,lncRNA	0.21980854	0.6784349
ENSMUSG00000129177.1,ENSMUSG00000129177,lncRNA	0.21978749	0.4184779
ENSMUSG00000026418.17,Tnni1,protein_coding	0.21969397	0.5682726
ENSMUSG00000107515.2,Gm43886,TEC	0.21961181	0.5827583
ENSMUSG00000109040.2,Gm44542,TEC	0.21959542	0.276483
ENSMUSG00000041669.16,Prima1,protein_coding	0.21957876	0.5617647
ENSMUSG00000070687.12,Htr1d,protein_coding	0.21951904	0.5383873
ENSMUSG00000131217.1,ENSMUSG00000131217,lncRNA	0.21949606	0.5618781
ENSMUSG00000140760.1,ENSMUSG00000140760,lncRNA	0.2194682	0.4281275
ENSMUSG00000025147.8,Mob2,protein_coding	0.219428	0.0741909

ENSMUSG00000123158.1,ENSMUSG00000123158,lncRNA	0.21941142	0.5698377
ENSMUSG00000032021.15,Crtam,protein_coding	0.2193811	0.7427662
ENSMUSG00000009614.17,Sardh,protein_coding	0.21936634	0.271832
ENSMUSG00000109456.2,Gm44584,TEC	0.21931278	0.3926093
ENSMUSG00000027997.10,Casp6,protein_coding	0.21925623	0.5298288
ENSMUSG00000017868.17,Sgk2,protein_coding	0.21916852	0.5179484
ENSMUSG00000086272.4,BC039966,lncRNA	0.21911279	0.7823382
ENSMUSG00000034714.10,Ttyh2,protein_coding	0.219102	0.2109946
ENSMUSG00000117654.4,Gm50050,lncRNA	0.2190917	0.5695431
ENSMUSG00000120003.2,Gm57201,lncRNA	0.21906291	0.50511
ENSMUSG00000001520.13,Nrip2,protein_coding	0.21904839	0.4740639
ENSMUSG00000082536.2,Gm13456,processed_pseudogene	0.21898639	0.5742041
ENSMUSG00000029659.17,Medag,protein_coding	0.21878906	0.3806075
ENSMUSG00000042854.10,Trp53rkb,protein_coding	0.21864105	0.1762524
ENSMUSG00000104020.2,Gm37215,TEC	0.21861044	0.6313554
ENSMUSG00000107801.2,Gm44086,TEC	0.21858122	0.5987739
ENSMUSG00000105922.2,Gm42769,TEC	0.21849521	0.4714689
ENSMUSG00000034371.10,Tkfc,protein_coding	0.2182347	0.2740729
ENSMUSG00000110447.3,Gm31518,lncRNA	0.21814685	0.7625904
ENSMUSG00000137097.1,ENSMUSG00000137097,lncRNA	0.21813783	0.4940296
ENSMUSG00000046922.8,Gpr6,protein_coding	0.21809569	0.8015892
ENSMUSG00000120883.2,Gm56552,lncRNA	0.21794205	0.4106846
ENSMUSG00000054457.8,9430021M05Rik,lncRNA	0.21790886	0.3243834
ENSMUSG00000061046.10,Haghl,protein_coding	0.21787899	0.2152818
ENSMUSG00000048240.16,Gng7,protein_coding	0.21783208	0.7070207
ENSMUSG00000028071.13,Sh2d2a,protein_coding	0.21782526	0.8757725
ENSMUSG00000029674.14,Limk1,protein_coding	0.21779318	0.3582329
ENSMUSG00000105986.2,Gm43065,lncRNA	0.21778537	0.6752972
ENSMUSG00000114467.2,Gm48430,TEC	0.2177607	0.802696
ENSMUSG00000050295.5,Foxc1,protein_coding	0.21766261	0.409554
ENSMUSG00000023980.8,Taf8,protein_coding	0.21765919	0.2079378
ENSMUSG00000033327.19,Tnxb,protein_coding	0.21765349	0.3594443
ENSMUSG00000105429.2,Gm43692,TEC	0.21763675	0.4937103
ENSMUSG00000034472.14,Rasd2,protein_coding	0.217564	0.6304476
ENSMUSG00000104662.3,Gm43267,TEC	0.21735993	0.5310379
ENSMUSG00000134249.1,ENSMUSG00000134249,lncRNA	0.21735993	0.5310379
ENSMUSG00000120367.2,Gm57294,lncRNA	0.21724385	0.4094939
ENSMUSG00000030029.15,Lrig1,protein_coding	0.21723296	0.2580906
ENSMUSG00000030600.16,Lrfn1,protein_coding	0.21706811	0.3948105
ENSMUSG00000108542.2,Gm44834,TEC	0.21704099	0.7173323
ENSMUSG00000109600.2,Gm18212,processed_pseudogene	0.21699468	0.6762561
ENSMUSG00000126289.1,ENSMUSG00000126289,lncRNA	0.21693811	0.3801417
ENSMUSG00000055945.9,Prr18,protein_coding	0.21692283	0.2889571
ENSMUSG00000110390.3,Gm45869,lncRNA	0.21682378	0.362746
ENSMUSG00000083906.2,Gm15186,processed_pseudogene	0.21678376	0.6315923
ENSMUSG00000024187.16,Fam234a,protein_coding	0.21674328	0.2786055
ENSMUSG00000000282.13,Mnt,protein_coding	0.21655748	0.1053698
ENSMUSG00000132029.1,ENSMUSG00000132029,lncRNA	0.21645623	0.5839502
ENSMUSG00000070031.12,Sp140,protein_coding	0.21638679	0.8966187
ENSMUSG00000085741.11,5430405H02Rik,lncRNA	0.21637903	0.3154014
ENSMUSG00000144069.1,ENSMUSG00000144069,lncRNA	0.21629172	0.6461862
ENSMUSG00000025867.9,Cplx2,protein_coding	0.21627613	0.3743827

ENSMUSG00000048807.3,Slc35e4,protein_coding	0.21621011	0.3969935
ENSMUSG00000093178.3,Snord87,snoRNA	0.21608719	0.6844891
ENSMUSG00000018012.12,Rac3,protein_coding	0.21601809	0.574892
ENSMUSG00000100691.4,2010320M18Rik,lncRNA	0.21557088	0.3738692
ENSMUSG00000028582.15,Cc2d1b,protein_coding	0.21555808	0.262941
ENSMUSG00000002332.17,Dhrs1,protein_coding	0.21538669	0.3385664
ENSMUSG00000031258.5,Xkrx,protein_coding	0.21537728	0.4221677
ENSMUSG00000103085.2,Gm38120,TEC	0.21532748	0.3317672
ENSMUSG00000064634.3,Gm22620,snoRNA	0.21520732	0.7806092
ENSMUSG00000029570.6,Lfng,protein_coding	0.21507192	0.3993445
ENSMUSG00000043572.8,Pars2,protein_coding	0.21488664	0.2246357
ENSMUSG00000000632.14,Sez6,protein_coding	0.21476582	0.4732242
ENSMUSG00000120663.2,Gm57279,lncRNA	0.21473819	0.432026
ENSMUSG00000087514.2,Gm16076,lncRNA	0.21473221	0.7447115
ENSMUSG00000031434.16,Morc4,protein_coding	0.21469161	0.301325
ENSMUSG00000027889.18,Ampd2,protein_coding	0.21464845	0.2779199
ENSMUSG00000000738.19,Spg7,protein_coding	0.21452196	0.1265051
ENSMUSG00000121393.1,ENSMUSG00000121393,lncRNA	0.21452193	0.7851597
ENSMUSG00000099869.8,1700030F04Rik,lncRNA	0.21444808	0.5892151
ENSMUSG00000026170.7,Cyp27a1,protein_coding	0.21440955	0.4112588
ENSMUSG00000097007.5,4930432B10Rik,lncRNA	0.21440826	0.5809192
ENSMUSG00000023052.9,Npff,protein_coding	0.21435755	0.5378654
ENSMUSG00000106837.2,D630030B08Rik,TEC	0.21434291	0.394735
ENSMUSG00000082809.4,Gm14150,processed_pseudogene	0.21430986	0.8603367
ENSMUSG00000113864.2,Gm48381,TEC	0.21422696	0.3954821
ENSMUSG00000103591.2,Gm38365,TEC	0.21422217	0.4778521
ENSMUSG00000076439.13,Mog,protein_coding	0.21419192	0.2293007
ENSMUSG00000108064.2,Gm44423,TEC	0.21391604	0.2789653
ENSMUSG00000103832.2,Gm37611,TEC	0.21390051	0.6516474
ENSMUSG00000020921.7,Tmem101,protein_coding	0.21382456	0.2217358
ENSMUSG00000096981.4,Gm16845,lncRNA	0.213815	0.5792116
ENSMUSG00000103596.2,Gm37354,TEC	0.2137877	0.5171259
ENSMUSG00000085196.3,Gm14963,lncRNA	0.21377004	0.7112652
ENSMUSG00000103360.2,Gm38156,TEC	0.21375482	0.2957276
ENSMUSG00000028978.13,Nos3,protein_coding	0.21372462	0.3523499
ENSMUSG00000029130.13,Rnf32,protein_coding	0.21368046	0.3772844
ENSMUSG00000090077.10,Lime1,protein_coding	0.21366352	0.4997919
ENSMUSG00000039787.14,Cercam,protein_coding	0.21361173	0.466596
ENSMUSG00000064405.3,Gm23925,snoRNA	0.21347446	0.7588832
ENSMUSG00000020160.19,Meis1,protein_coding	0.21345359	0.5262854
ENSMUSG00000026981.16,Il1rn,protein_coding	0.21341236	0.9224008
ENSMUSG00000097640.10,Gm20033,lncRNA	0.21336729	0.4693333
ENSMUSG00000037103.9,Dcaf15,protein_coding	0.2132497	0.3779406
ENSMUSG00000061286.8,Exosc5,protein_coding	0.21323953	0.4073419
ENSMUSG00000034164.18,Emid1,protein_coding	0.21320385	0.4771123
ENSMUSG00000106212.2,Gm43112,lncRNA	0.21307427	0.5051561
ENSMUSG00000106749.2,Gm43281,TEC	0.21304562	0.4077184
ENSMUSG00000020329.13,Polrmt,protein_coding	0.21303824	0.1320675
ENSMUSG00000104951.2,Gm43413,TEC	0.21303745	0.389941
ENSMUSG00000001143.14,Lman2l,protein_coding	0.2130239	0.0653759
ENSMUSG00000086992.8,Gm15941,lncRNA	0.21285426	0.510409
ENSMUSG00000102234.3,Gm37885,lncRNA	0.21271267	0.594373

ENSMUSG00000103770.2,Pcdha9,protein_coding	0.21268121	0.4747905
ENSMUSG00000110959.2,Gm47198,TEC	0.21261192	0.4344066
ENSMUSG00000015363.14,Trabd,protein_coding	0.21246513	0.2878114
ENSMUSG00000067215.6,Usp51,protein_coding	0.21242639	0.6818847
ENSMUSG00000085319.3,Gm13330,lncRNA	0.21241554	0.6099223
ENSMUSG00000064600.3,Gm25636,snoRNA	0.21239162	0.7786188
ENSMUSG00000017692.9,Rhbdl3,protein_coding	0.21235632	0.4486582
ENSMUSG00000034522.11,Zfp395,protein_coding	0.21228791	0.2800704
ENSMUSG00000103391.2,Gm38302,TEC	0.21203608	0.4783744
ENSMUSG00000113688.2,A930027P06Rik,TEC	0.21202488	0.6259838
ENSMUSG00000107054.2,C730045M19Rik,TEC	0.211941	0.3322005
ENSMUSG00000018698.16,Lhx1,protein_coding	0.21193456	0.6028612
ENSMUSG00000072774.11,Zfp951,protein_coding	0.21178195	0.554464
ENSMUSG00000121141.1,Gm56878,lncRNA	0.21169789	0.2122004
ENSMUSG00000024039.16,Cbs,protein_coding	0.2116797	0.182281
ENSMUSG00000103477.2,5930409G06Rik,TEC	0.21166839	0.7234921
ENSMUSG00000046215.4,Rprml,protein_coding	0.21162446	0.4848547
ENSMUSG00000024766.16,Lipo3,protein_coding	0.21159949	0.4304276
ENSMUSG00000113309.2,Gm48408,TEC	0.21141524	0.5483253
ENSMUSG00000130600.1,ENSMUSG00000130600,lncRNA	0.21134678	0.4541858
ENSMUSG00000024325.9,Ring1,protein_coding	0.21134381	0.3576026
ENSMUSG00000105929.2,Gm43693,TEC	0.21125815	0.3779663
ENSMUSG00000085767.3,Gm13563,lncRNA	0.21125195	0.5227356
ENSMUSG00000039238.7,Zfp750,protein_coding	0.21125052	0.68182
ENSMUSG00000066510.6,Ankdd1a,protein_coding	0.21122215	0.712282
ENSMUSG00000055639.17,Dach1,protein_coding	0.21116581	0.3510784
ENSMUSG00000091509.8,Gm17066,lncRNA	0.21110575	0.7118688
ENSMUSG00000045094.9,Arhgef37,protein_coding	0.21102934	0.6365723
ENSMUSG00000091831.7,Gm4707,processed_pseudogene	0.21094921	0.5986828
ENSMUSG00002074913.1,Gm55956,misc_RNA	0.21090294	0.6290036
ENSMUSG00000022489.7,Pde1b,protein_coding	0.21087859	0.5980788
ENSMUSG00000027765.7,P2ry1,protein_coding	0.21084462	0.3210814
ENSMUSG00000038208.14,Pgap3,protein_coding	0.21082961	0.4458963
ENSMUSG00000034449.8,Dhrs11,protein_coding	0.21062667	0.3899051
ENSMUSG00000031610.4,Scrg1,protein_coding	0.21058374	0.3593708
ENSMUSG00000023046.7,Igfbp6,protein_coding	0.21046979	0.4097603
ENSMUSG00000031549.17,Ido2,protein_coding	0.21046276	0.4846714
ENSMUSG00000115568.2,Tiaf2,TEC	0.2104249	0.2915951
ENSMUSG00000046613.20,Vwa5b2,protein_coding	0.21040903	0.4183028
ENSMUSG00000020185.17,E2f7,protein_coding	0.2103842	0.8500395
ENSMUSG00000040260.9,Daam2,protein_coding	0.21029672	0.2100214
ENSMUSG00000106676.2,Gm42895,TEC	0.21023764	0.3523107
ENSMUSG00000019732.15,Calr3,protein_coding	0.21018355	0.6733117
ENSMUSG00000063765.13,Chadl,protein_coding	0.21005881	0.386725
ENSMUSG00000112153.2,Gm47591,lncRNA	0.21002821	0.5597799
ENSMUSG00000108572.2,Gm44883,TEC	0.20981666	0.5755641
ENSMUSG00000037280.13,Galnt6,protein_coding	0.20977144	0.3495637
ENSMUSG00000097537.5,2610020C07Rik,lncRNA	0.20962652	0.5365199
ENSMUSG00000021385.11,Ippk,protein_coding	0.20962047	0.1111991
ENSMUSG00000002944.16,Cd36,protein_coding	0.20961832	0.8401701
ENSMUSG00000040717.7,Il17rd,protein_coding	0.20959542	0.2698208
ENSMUSG00000021256.6,Vash1,protein_coding	0.20959451	0.2210623

ENSMUSG00000114069.4,E130119H09Rik,lncRNA	0.20958727	0.8145794
ENSMUSG00000106071.2,Gm43826,TEC	0.20954889	0.5900292
ENSMUSG00000077709.3,Snora64,snoRNA	0.20953983	0.6285591
ENSMUSG00000103756.2,Gm37285,TEC	0.20946646	0.5069517
ENSMUSG00000103532.2,Gm4430,TEC	0.2094297	0.4616349
ENSMUSG00000026841.8,Fibcd1,protein_coding	0.20939078	0.5491928
ENSMUSG00000142419.1,ENSMUSG00000142419,lncRNA	0.20939049	0.5669475
ENSMUSG00000036913.16,Trim67,protein_coding	0.20925863	0.5064499
ENSMUSG00000091712.3,Sec14l5,protein_coding	0.20925648	0.3461218
ENSMUSG00000042453.15,Reln,protein_coding	0.20916237	0.4318302
ENSMUSG00000009551.4,6330409D20Rik,lncRNA	0.20906647	0.5382238
ENSMUSG00000097180.8,2700038G22Rik,lncRNA	0.20897633	0.629764
ENSMUSG00000008140.19,Emc10,protein_coding	0.20897439	0.3801113
ENSMUSG00000112734.2,Gm47644,lncRNA	0.20896401	0.3225686
ENSMUSG00000104399.2,Gm37963,lncRNA	0.20894553	0.5196766
ENSMUSG00000120742.2,Gm56506,lncRNA	0.20893276	0.5022136
ENSMUSG00000031503.14,Col4a2,protein_coding	0.20877986	0.3313813
ENSMUSG00000121151.1,Gm56909,lncRNA	0.20873618	0.5156795
ENSMUSG00000035580.11,Kcnh8,protein_coding	0.2087325	0.590446
ENSMUSG00000081339.2,Gm16044,processed_pseudogene	0.20865703	0.5941472
ENSMUSG00000087644.3,Gm14703,lncRNA	0.20861432	0.5410718
ENSMUSG00000104033.2,Gm37773,TEC	0.20859899	0.5924477
ENSMUSG00000031349.5,Nsdhl,protein_coding	0.208417	0.2835725
ENSMUSG00000007817.16,Zmiz1,protein_coding	0.20810425	0.2419975
ENSMUSG00000064655.3,Gm25788,snoRNA	0.2080417	0.5253171
ENSMUSG00000054836.13,Elp6,protein_coding	0.20803856	0.3633576
ENSMUSG00000090031.5,4732440D04Rik,lncRNA	0.20794788	0.5252418
ENSMUSG00000044628.6,Rnf208,protein_coding	0.20789302	0.4194018
ENSMUSG00000114282.2,5330431K02Rik,TEC	0.20787545	0.3792366
ENSMUSG00000103232.2,Gm37160,TEC	0.20783393	0.577429
ENSMUSG00000102662.2,Gm38377,TEC	0.20781819	0.5287506
ENSMUSG00000057719.12,Sh3rf2,protein_coding	0.20763398	0.7890304
ENSMUSG00000106570.2,C230071H17Rik,TEC	0.2076035	0.5017706
ENSMUSG00000087679.3,Tmem250,protein_coding	0.20750515	0.1817749
ENSMUSG00000079183.3,C030005K15Rik,lncRNA	0.2074994	0.7786672
ENSMUSG00000109714.4,Gm35021,lncRNA	0.20746685	0.4974464
ENSMUSG00000103364.2,Gm38157,TEC	0.20743626	0.3785004
ENSMUSG00000021223.14,Papln,protein_coding	0.20742677	0.5851564
ENSMUSG00000034220.8,Gpc1,protein_coding	0.20742117	0.3729824
ENSMUSG00000123270.1,ENSMUSG00000123270,lncRNA	0.20736551	0.5231395
ENSMUSG00000097890.5,4930547M16Rik,lncRNA	0.20735484	0.7074028
ENSMUSG00000026344.10,Lypd1,protein_coding	0.20726318	0.5113119
ENSMUSG00000042594.17,Sh2b3,protein_coding	0.20711001	0.4231129
ENSMUSG00000005043.14,Sgsh,protein_coding	0.20709363	0.2918547
ENSMUSG00000020651.9,Slc26a4,protein_coding	0.20708449	0.6855421
ENSMUSG00000134064.1,ENSMUSG00000134064,lncRNA	0.20703076	0.5204751
ENSMUSG00000116796.2,Gm49784,TEC	0.20702698	0.7215308
ENSMUSG00000007594.11,Hapln4,protein_coding	0.20700198	0.3196694
ENSMUSG00000001964.15,Emd,protein_coding	0.20693147	0.241084
ENSMUSG00000070345.4,Hsf5,protein_coding	0.20691521	0.6515014
ENSMUSG00000028967.11,Errfi1,protein_coding	0.20688426	0.3786144
ENSMUSG00000035686.9,Thrsp,protein_coding	0.20664211	0.4105604

ENSMUSG00000016239.12,Lonrf3,protein_coding	0.20652064	0.3204562
ENSMUSG00000033902.13,Mapkbp1,protein_coding	0.20638453	0.1735315
ENSMUSG00000093112.4,Gm22701,misc_RNA	0.20632865	0.6027077
ENSMUSG00000103183.2,Gm37090,TEC	0.20629153	0.6022349
ENSMUSG00000044339.13,Alkbh2,protein_coding	0.20625373	0.5285785
ENSMUSG00000034041.6,Lyl1,protein_coding	0.20618256	0.8784183
ENSMUSG00000032796.9,Lama1,protein_coding	0.2061257	0.4013287
ENSMUSG00000122529.1,ENSMUSG00000122529,lncRNA	0.20597848	0.7421408
ENSMUSG00000102960.2,Gm37943,TEC	0.20589127	0.3845362
ENSMUSG00000097563.2,Gm26638,lncRNA	0.2057209	0.4090488
ENSMUSG00000043099.6,Hic1,protein_coding	0.20571601	0.5961143
ENSMUSG00000075010.8,AW112010,lncRNA	0.20553461	0.8936628
ENSMUSG00000037625.8,Cldn11,protein_coding	0.20522471	0.1622044
ENSMUSG00000142746.1,ENSMUSG00000142746,lncRNA	0.20513784	0.5205337
ENSMUSG00000121792.2,ENSMUSG00000121792,lncRNA	0.20505971	0.6861212
ENSMUSG00000037771.12,Slc32a1,protein_coding	0.20495621	0.2743895
ENSMUSG00000098051.3,Gm27032,lncRNA	0.20494737	0.4175055
ENSMUSG00000051022.8,Hs3st1,protein_coding	0.20494177	0.3131808
ENSMUSG00000053399.10,Adamts18,protein_coding	0.20491005	0.699048
ENSMUSG00000033579.17,Fa2h,protein_coding	0.20490667	0.3258641
ENSMUSG00000120274.2,Gm56882,lncRNA	0.2048802	0.511385
ENSMUSG00000090946.4,Ccdc71l,protein_coding	0.20481354	0.207508
ENSMUSG00000139771.1,ENSMUSG00000139771,lncRNA	0.20480563	0.5817005
ENSMUSG00000027602.10,Map1lc3a,protein_coding	0.20480385	0.4914308
ENSMUSG00000066042.5,Med18,protein_coding	0.20465136	0.4918683
ENSMUSG00000117901.2,Gm54798,lncRNA	0.20464989	0.4149185
ENSMUSG00000114288.3,Gm32123,lncRNA	0.20464746	0.6729551
ENSMUSG00000031832.16,Taf1c,protein_coding	0.20463429	0.2659303
ENSMUSG00000024197.11,Plin3,protein_coding	0.20462738	0.4434803
ENSMUSG00000035212.15,Leprot,protein_coding	0.20455681	0.2236382
ENSMUSG00000104339.2,C130089K02Rik,TEC	0.20453	0.5696102
ENSMUSG00000120950.1,Gm57241,lncRNA	0.20448028	0.3793191
ENSMUSG00000054514.6,Atad3aos,lncRNA	0.20442831	0.562983
ENSMUSG00000047497.11,Adamts12,protein_coding	0.20442222	0.4873051
ENSMUSG00000000792.3,Slc5a5,protein_coding	0.20439034	0.4916484
ENSMUSG00000056854.5,Pou3f4,protein_coding	0.20429491	0.4825803
ENSMUSG00000058743.7,Kcnj14,protein_coding	0.20422122	0.7396874
ENSMUSG00000079235.11,Ccdc13,protein_coding	0.20411206	0.5964854
ENSMUSG00000087935.3,Snora81,snoRNA	0.20405053	0.7209184
ENSMUSG00000109217.2,Gm44676,TEC	0.20394532	0.5208879
ENSMUSG00000092397.9,Actc1dt,lncRNA	0.20381554	0.7949098
ENSMUSG00000047767.18,Atg16l2,protein_coding	0.20376013	0.3163183
ENSMUSG00000120242.2,Gm56680,lncRNA	0.20373045	0.5918987
ENSMUSG00000121192.2,Gm57399,lncRNA	0.20369932	0.6372176
ENSMUSG00000001773.15,Folh1,protein_coding	0.2036851	0.3325942
ENSMUSG00000108655.2,Gm44949,lncRNA	0.20360095	0.561597
ENSMUSG00000083246.2,Gm11839,processed_pseudogene	0.20357519	0.6083531
ENSMUSG00000033208.8,S100b,protein_coding	0.2035437	0.2796653
ENSMUSG00000083633.3,Gm13312,processed_pseudogene	0.20348775	0.7161908
ENSMUSG00000070461.4,9230112E08Rik,lncRNA	0.20333962	0.2435546
ENSMUSG00000015776.13,Med22,protein_coding	0.20331526	0.235986
ENSMUSG00000042333.17,Tnfrsf14,protein_coding	0.2033142	0.8417194

ENSMUSG00000026604.18,Ptpn14,protein_coding	0.20330131	0.2771755
ENSMUSG00000139101.1,ENSMUSG00000139101,lncRNA	0.20319678	0.606777
ENSMUSG00000038705.14,Gmeb2,protein_coding	0.20319538	0.1590585
ENSMUSG00000019359.15,Gdpd2,protein_coding	0.20314767	0.4954113
ENSMUSG00000018476.8,Kdm6b,protein_coding	0.2030458	0.2419461
ENSMUSG00000022184.9,Fbxo4,protein_coding	0.20293679	0.416623
ENSMUSG00000029005.5,Draxin,protein_coding	0.20292931	0.6561157
ENSMUSG00000107865.2,Gm44417,TEC	0.20274905	0.5435755
ENSMUSG00000031565.20,Fgfr1,protein_coding	0.20273021	0.2746291
ENSMUSG00000143036.1,ENSMUSG00000143036,lncRNA	0.20271569	0.6815593
ENSMUSG00000039307.17,Hexd,protein_coding	0.20271205	0.167308
ENSMUSG00000109314.2,Gm44699,lncRNA	0.20259715	0.3985165
ENSMUSG00000106646.2,Gm42483,TEC	0.20253415	0.5193334
ENSMUSG00000058740.15,Kcnt1,protein_coding	0.20249409	0.3820386
ENSMUSG00000003382.19,Etv3,protein_coding	0.20248422	0.1065967
ENSMUSG00000143437.1,ENSMUSG00000143437,lncRNA	0.20242994	0.5595357
ENSMUSG00000085730.9,Gm13307,lncRNA	0.20239646	0.4889867
ENSMUSG00000031438.12,Rnf128,protein_coding	0.20239	0.3754916
ENSMUSG00000029594.13,Rbm19,protein_coding	0.20233848	0.2496687
ENSMUSG00000135829.1,ENSMUSG00000135829,lncRNA	0.20231982	0.6727351
ENSMUSG00000039747.12,Orai2,protein_coding	0.20231771	0.1925135
ENSMUSG00000074758.12,Gm5535,lncRNA	0.20219046	0.5844057
ENSMUSG00000040146.10,Rgl3,protein_coding	0.20207824	0.6405859
ENSMUSG00000041187.17,Prkd2,protein_coding	0.2020365	0.6764202
ENSMUSG00000092074.3,Dynlt1a,protein_coding	0.20203406	0.3453572
ENSMUSG00000111808.2,Gm18225,unprocessed_pseudogene	0.20194756	0.73927
ENSMUSG00000084306.2,Gm11743,processed_pseudogene	0.20191362	0.6888766
ENSMUSG00000042129.9,Rassf4,protein_coding	0.20187607	0.5958732
ENSMUSG00000018168.9,Ikzf3,protein_coding	0.2016752	0.9445573
ENSMUSG00000077565.3,Gm23201,snoRNA	0.20139429	0.7520188
ENSMUSG00000063412.5,Erhrt-ps,protein_coding	0.2011646	0.6120857
ENSMUSG00000045795.11,Whamm,protein_coding	0.20113892	0.2595094
ENSMUSG00000091947.4,6530401F13Rik,lncRNA	0.2011335	0.6065771
ENSMUSG00000107000.2,Gm43481,TEC	0.20112378	0.2152435
ENSMUSG00000112266.3,Gm48843,lncRNA	0.20090145	0.7723884
ENSMUSG00000128262.1,ENSMUSG00000128262,lncRNA	0.20089883	0.4400572
ENSMUSG00000061589.15,Dot1l,protein_coding	0.2008449	0.2984101
ENSMUSG00000047617.12,Paxx,protein_coding	0.20074025	0.383502
ENSMUSG00000078897.11,Gm4724,protein_coding	0.20066759	0.6728353
ENSMUSG00000090264.2,Eif4ebp3,protein_coding	0.20061234	0.5944112
ENSMUSG00000002608.9,Ccdc97,protein_coding	0.20044673	0.2322621
ENSMUSG00000116858.3,Gm49797,lncRNA	0.20041615	0.193801
ENSMUSG00000031399.16,Fam3a,protein_coding	0.20041559	0.2910394
ENSMUSG00000050428.8,Fbxo46,protein_coding	0.20036926	0.2444232
ENSMUSG00000022519.15,Srl,protein_coding	0.20030983	0.1952733
ENSMUSG00000113106.2,Gm47139,TEC	0.20023962	0.4845782
ENSMUSG00002076696.1,Gm54507,snoRNA	0.20015629	0.8699904
ENSMUSG00000058258.16,Idi1,protein_coding	0.20010287	0.2745329
ENSMUSG00000010476.16,Ebf3,protein_coding	0.19998937	0.6938443
ENSMUSG00000041679.10,Fbxl9,protein_coding	0.19998085	0.401527
ENSMUSG00000089736.3,Tgfbr3l,protein_coding	0.19993455	0.5770444
ENSMUSG00000044164.3,Rnf182,protein_coding	0.19987015	0.541216

ENSMUSG00000072809.4,9330160F10Rik,lncRNA	0.19977752	0.4525318
ENSMUSG00000053714.11,4732471J01Rik,lncRNA	0.19973358	0.190505
ENSMUSG00000045176.4,Borcs6,protein_coding	0.19971434	0.4359599
ENSMUSG00002076601.1,Scarna13,scaRNA	0.19969141	0.3714865
ENSMUSG00000065273.3,Gm25128,snoRNA	0.1996893	0.6795904
ENSMUSG00000040751.13,Lat2,protein_coding	0.19965421	0.8826754
ENSMUSG00000123750.1,ENSMUSG00000123750,lncRNA	0.19952157	0.7945869
ENSMUSG00000030083.12,Abtb1,protein_coding	0.19947214	0.2522347
ENSMUSG00000034361.11,Cpne2,protein_coding	0.19938246	0.2234521
ENSMUSG00000102461.2,Gm37166,TEC	0.19937776	0.5378917
ENSMUSG00000119955.2,Gm9054,lncRNA	0.19937531	0.7054481
ENSMUSG00000038141.12,Tmem181a,protein_coding	0.19936091	0.3495795
ENSMUSG00000030259.13,Rassf8,protein_coding	0.1993258	0.2335802
ENSMUSG00000135265.1,ENSMUSG00000135265,lncRNA	0.19929615	0.8180064
ENSMUSG00000079364.4,Gm3558,protein_coding	0.19929198	0.652754
ENSMUSG00000016346.19,Kcnq2,protein_coding	0.1992844	0.3231792
ENSMUSG00000002043.18,Trappc6a,protein_coding	0.19925099	0.6142306
ENSMUSG00000104563.2,Gm43041,TEC	0.1992206	0.6043314
ENSMUSG00000043639.16,Rbm20,protein_coding	0.19921917	0.299273
ENSMUSG00000024247.15,Pkdcc,protein_coding	0.19914167	0.5115356
ENSMUSG00000113183.2,Gm47664,lncRNA	0.19907213	0.4966494
ENSMUSG00000070420.5,Zscan25,protein_coding	0.19902162	0.4082746
ENSMUSG00000002459.18,Rgs20,protein_coding	0.19893607	0.4131282
ENSMUSG00000004902.8,Slc25a18,protein_coding	0.19884864	0.4388918
ENSMUSG00000025425.19,St8sia5,protein_coding	0.19879426	0.492547
ENSMUSG00000060591.10,Ifitm2,protein_coding	0.19875734	0.544997
ENSMUSG00000001524.15,Gtf2h4,protein_coding	0.19873105	0.4199788
ENSMUSG00000106475.2,Gm43011,TEC	0.19872137	0.5007796
ENSMUSG00000085816.3,Gm13052,lncRNA	0.19867324	0.5635736
ENSMUSG00000100131.2,Gm28439,unprocessed_pseudogene	0.19859973	0.8416881
ENSMUSG00000008090.15,Fgfrl1,protein_coding	0.19848842	0.335568
ENSMUSG00000047632.12,Fgfbp3,protein_coding	0.19847268	0.4533853
ENSMUSG00000046959.17,Slc26a1,protein_coding	0.1983431	0.6519936
ENSMUSG00000078902.4,Gm14443,protein_coding	0.19823573	0.4306842
ENSMUSG00000032062.4,2310030G06Rik,protein_coding	0.1981512	0.4479998
ENSMUSG00000042225.4,Ammecr1,protein_coding	0.1981226	0.6245448
ENSMUSG00000096010.3,H4c16,protein_coding	0.19812035	0.4898557
ENSMUSG00000105466.2,Gm42998,TEC	0.19806723	0.6210404
ENSMUSG00000102639.2,Gm38223,TEC	0.19804121	0.7466412
ENSMUSG00000117371.4,Gm50019,lncRNA	0.19793493	0.6352071
ENSMUSG00000128222.1,ENSMUSG00000128222,lncRNA	0.19784433	0.6639395
ENSMUSG00000138670.1,ENSMUSG00000138670,lncRNA	0.19772596	0.6481809
ENSMUSG00000103317.2,Gm38359,TEC	0.19762923	0.4534242
ENSMUSG00000029314.15,Gpat3,protein_coding	0.19761035	0.3698771
ENSMUSG00000109390.2,Gm45718,TEC	0.19756447	0.3919683
ENSMUSG00000136329.1,ENSMUSG00000136329,lncRNA	0.19725491	0.3790549
ENSMUSG00000081406.5,Rps6-ps4,processed_pseudogene	0.19724463	0.6283509
ENSMUSG00000020834.18,Dhrs13,protein_coding	0.19720378	0.3758313
ENSMUSG00000067722.5,Uqcc4,protein_coding	0.19712334	0.1418948
ENSMUSG00000102060.3,1700061E17Rik,lncRNA	0.19710027	0.6266474
ENSMUSG00000101942.3,Gm19582,lncRNA	0.19702065	0.7262551
ENSMUSG00000003531.16,Dgcr6,protein_coding	0.19701625	0.3632218

ENSMUSG00000106103.2,Gm43081,TEC	0.19694961	0.746292
ENSMUSG00000084790.3,Gm15879,lncRNA	0.19694823	0.4532723
ENSMUSG00000119296.1,Gm22252,snoRNA	0.19693965	0.6975902
ENSMUSG00000022386.13,Trmu,protein_coding	0.19692006	0.2918601
ENSMUSG00000065734.3,Snord49a,snoRNA	0.19689018	0.4619308
ENSMUSG00000047407.18,Tgif1,protein_coding	0.19687695	0.8571392
ENSMUSG00000088185.3,Scarna2,scaRNA	0.19685998	0.3196815
ENSMUSG00000029127.16,Zbtb49,protein_coding	0.19685771	0.3258023
ENSMUSG00000036545.10,Adamts2,protein_coding	0.19684617	0.3018096
ENSMUSG00000029464.11,Gpn3,protein_coding	0.19679342	0.4110629
ENSMUSG00000028670.15,Lypla2,protein_coding	0.19653341	0.3509945
ENSMUSG00000033405.5,Nudt15,protein_coding	0.19643485	0.3185583
ENSMUSG00000112168.3,Gm34776,lncRNA	0.19641738	0.5878195
ENSMUSG00000025138.15,Sirt7,protein_coding	0.19639825	0.1676976
ENSMUSG00000102063.3,Gm28706,lncRNA	0.19628979	0.6727917
ENSMUSG00000039242.11,B3galnt2,protein_coding	0.19628105	0.1886322
ENSMUSG00000009394.14,Syn2,protein_coding	0.19624622	0.3665488
ENSMUSG00000106047.2,Gm42942,TEC	0.19622924	0.4823059
ENSMUSG00000023328.15,Ache,protein_coding	0.19618338	0.4748023
ENSMUSG00000032020.16,Ubash3b,protein_coding	0.19616057	0.2356376
ENSMUSG00000039741.17,Bahcc1,protein_coding	0.1961217	0.2895002
ENSMUSG00000133280.1,ENSMUSG00000133280,lncRNA	0.19611498	0.4631398
ENSMUSG00000019808.9,Adat2,protein_coding	0.19609295	0.456703
ENSMUSG00000041346.12,Wrap53,protein_coding	0.19602697	0.420497
ENSMUSG00000038782.8,1700028J19Rik,protein_coding	0.19600738	0.7071449
ENSMUSG00000112008.2,Gm47218,TEC	0.19599741	0.5412163
ENSMUSG00000040797.17,Iqsec3,protein_coding	0.19598752	0.3058975
ENSMUSG00000032356.13,Rasgrf1,protein_coding	0.19590248	0.4948539
ENSMUSG00000050174.16,Nudt6,protein_coding	0.19578955	0.6404773
ENSMUSG00000083218.3,Gm16425,processed_pseudogene	0.1957836	0.6333599
ENSMUSG00000004849.15,Ap1s1,protein_coding	0.19577001	0.41607
ENSMUSG00000106940.2,Gm42930,TEC	0.19554732	0.3983062
ENSMUSG00000033589.5,Reep4,protein_coding	0.19553639	0.736858
ENSMUSG00000105202.2,C230031I18Rik,TEC	0.19553015	0.4529684
ENSMUSG00000103834.2,Gm37613,TEC	0.19547686	0.5528912
ENSMUSG00000117375.3,Gm33373,lncRNA	0.19541835	0.5830436
ENSMUSG00000110790.3,Gm47079,lncRNA	0.19539698	0.6934754
ENSMUSG00000132339.1,ENSMUSG00000132339,lncRNA	0.19535891	0.6414172
ENSMUSG00000007216.7,Zfp775,protein_coding	0.19532101	0.4329375
ENSMUSG00000140143.1,ENSMUSG00000140143,lncRNA	0.19522077	0.8504444
ENSMUSG00000118134.4,4930549G23Rik,lncRNA	0.1951895	0.5428565
ENSMUSG00000086003.10,B230206L02Rik,lncRNA	0.19507852	0.5062088
ENSMUSG00000035179.5,Saxo4,protein_coding	0.19501112	0.7504862
ENSMUSG00000025171.3,Ubtd1,protein_coding	0.19488655	0.409888
ENSMUSG00000086040.9,Wipf3,protein_coding	0.19484865	0.3985204
ENSMUSG00000132523.1,ENSMUSG00000132523,lncRNA	0.19479191	0.4223659
ENSMUSG00000116298.2,4833412C15Rik,TEC	0.19478607	0.5023427
ENSMUSG00000042978.12,Sbk1,protein_coding	0.19473025	0.4600459
ENSMUSG00000046352.8,Gjb2,protein_coding	0.19463144	0.526202
ENSMUSG00000051703.15,Tmem198,protein_coding	0.19453802	0.4527531
ENSMUSG00000019082.19,Slc25a22,protein_coding	0.19441473	0.2987485
ENSMUSG00000102673.2,Gm37437,TEC	0.19437921	0.4772225

ENSMUSG00000104974.2,Gm43686,TEC	0.19436292	0.6020934
ENSMUSG00000018654.19,Ikzf1,protein_coding	0.19436139	0.8852367
ENSMUSG00000007476.19,Lrrc8a,protein_coding	0.19431147	0.2860996
ENSMUSG00000024830.18,Rps6kb2,protein_coding	0.19422876	0.3249153
ENSMUSG00000070392.6,Gm20634,lncRNA	0.19416201	0.3554445
ENSMUSG00000062661.7,Ncs1,protein_coding	0.19408322	0.3737732
ENSMUSG00000121927.1,ENSMUSG00000121927,protein_coding	0.19398531	0.495566
ENSMUSG00000029381.17,Shroom3,protein_coding	0.19391026	0.474692
ENSMUSG00000045538.7,Ddx28,protein_coding	0.1938437	0.3992562
ENSMUSG00000046192.5,Iqub,protein_coding	0.19384173	0.5321718
ENSMUSG00000021670.15,Hmgcr,protein_coding	0.19382867	0.1506182
ENSMUSG00000074064.7,Mlycd,protein_coding	0.19380405	0.2710245
ENSMUSG00000021640.7,Naip1,protein_coding	0.19379803	0.8065497
ENSMUSG00000028322.12,Exosc3,protein_coding	0.19377556	0.5140044
ENSMUSG00000121071.2,Gm57170,lncRNA	0.19368136	0.5984173
ENSMUSG00000025743.15,Sdc3,protein_coding	0.19366425	0.2990998
ENSMUSG00000114749.2,Gm48442,TEC	0.19356502	0.8274842
ENSMUSG00000018830.11,Myh11,protein_coding	0.19356395	0.4382481
ENSMUSG00000089617.3,Scarna10,snoRNA	0.19352659	0.3150979
ENSMUSG00000029546.13,Uncx,protein_coding	0.19351845	0.6949123
ENSMUSG00000028857.17,Tmem222,protein_coding	0.1934115	0.3329847
ENSMUSG00000085996.2,A830012C17Rik,lncRNA	0.19332574	0.7861356
ENSMUSG00000020848.8,Doc2b,protein_coding	0.19330402	0.3137075
ENSMUSG00000082879.2,Gm13525,processed_pseudogene	0.19328867	0.7056872
ENSMUSG00000121096.2,Gm57390,lncRNA	0.19327946	0.4209368
ENSMUSG00000057835.8,Zfp119a,protein_coding	0.19326303	0.5864294
ENSMUSG00000022555.13,Dgat1,protein_coding	0.19324584	0.2170728
ENSMUSG00000025885.19,Myo5b,protein_coding	0.19323	0.529779
ENSMUSG00000074039.12,4930520O04Rik,lncRNA	0.1931371	0.5713235
ENSMUSG00000039059.12,Hrh3,protein_coding	0.19308898	0.5291767
ENSMUSG00000103507.2,Gm38375,TEC	0.19304797	0.3399604
ENSMUSG00000021943.8,Gdf10,protein_coding	0.19298494	0.641741
ENSMUSG00000037224.16,Zfyve28,protein_coding	0.19271091	0.3317851
ENSMUSG00000074890.5,Lcmt2,protein_coding	0.19270764	0.4033884
ENSMUSG00000102841.2,Gm38036,TEC	0.19269654	0.4635443
ENSMUSG00000110895.2,Gm48822,TEC	0.19259311	0.4052673
ENSMUSG00000087259.10,2610035D17Rik,lncRNA	0.19250112	0.3319751
ENSMUSG00000049950.7,Rpp38,protein_coding	0.19247272	0.5760476
ENSMUSG00000025931.16,Paqr8,protein_coding	0.19246275	0.2618527
ENSMUSG00000041429.4,Nthl1,protein_coding	0.19218821	0.5217303
ENSMUSG00000020282.19,Rhbdf1,protein_coding	0.19217978	0.5689756
ENSMUSG00000004366.5,Sst,protein_coding	0.19217489	0.5334443
ENSMUSG00000020175.16,Rab36,protein_coding	0.19212999	0.4696517
ENSMUSG00000020520.15,Galnt10,protein_coding	0.19209452	0.4085216
ENSMUSG00000041949.7,Tango6,protein_coding	0.19197355	0.3055987
ENSMUSG00000034006.18,Slc66a2,protein_coding	0.19191999	0.2096228
ENSMUSG00000131081.1,ENSMUSG00000131081,lncRNA	0.191886	0.6579761
ENSMUSG00000073226.10,Gm10482,lncRNA	0.19186621	0.9165072
ENSMUSG00000103151.2,Gm38292,TEC	0.19186549	0.6217319
ENSMUSG00000110980.4,Gm47204,lncRNA	0.1918441	0.4182823
ENSMUSG00000133998.1,Gm14541,lncRNA	0.19181099	0.8216127
ENSMUSG00000108812.2,C130083A15Rik,TEC	0.19171466	0.3644492

ENSMUSG00000025650.14,Col7a1,protein_coding	0.19162913	0.501028
ENSMUSG00000049734.10,Trex1,protein_coding	0.19157714	0.7920855
ENSMUSG00000056459.15,Zbtb25,protein_coding	0.19157607	0.2328902
ENSMUSG00000058966.14,Tlcd3b,protein_coding	0.19157077	0.3401981
ENSMUSG00000113905.2,Gm48872,TEC	0.19155917	0.6099117
ENSMUSG00000024553.9,Galr1,protein_coding	0.1914879	0.6757111
ENSMUSG00000018500.3,Adora2b,protein_coding	0.19148611	0.6582211
ENSMUSG00000037235.14,Mxd4,protein_coding	0.191316	0.1752443
ENSMUSG00000079494.3,Nat8f5,protein_coding	0.19130916	0.7056052
ENSMUSG00000109082.2,Gm44586,TEC	0.19126056	0.5528081
ENSMUSG00000073684.14,Faap20,protein_coding	0.19125777	0.299905
ENSMUSG00000022091.7,Sorbs3,protein_coding	0.19124922	0.3347017
ENSMUSG00000020723.4,Cacng4,protein_coding	0.19123653	0.4669128
ENSMUSG00000106992.2,Gm43167,TEC	0.19122017	0.7103063
ENSMUSG00000071456.9,1110002L01Rik,lncRNA	0.19106015	0.5038876
ENSMUSG00000109933.2,Gm7600,processed_pseudogene	0.19101547	0.8460808
ENSMUSG00000017146.13,Brca1,protein_coding	0.19099827	0.8404187
ENSMUSG00000101959.2,Ldhal6b,protein_coding	0.19096697	0.7845921
ENSMUSG00000033039.11,Micall1,protein_coding	0.19091512	0.2033431
ENSMUSG00000042608.16,Stk40,protein_coding	0.19087389	0.162143
ENSMUSG00000072875.3,Gpr27,protein_coding	0.19087076	0.4759191
ENSMUSG00000032179.8,Bmp5,protein_coding	0.19083842	0.623984
ENSMUSG00000043850.16,Clrn1,protein_coding	0.19077436	0.7333635
ENSMUSG00000073147.6,5031425E22Rik,lncRNA	0.1906688	0.310778
ENSMUSG00000120471.2,Gm57224,lncRNA	0.19059393	0.7568304
ENSMUSG00000035021.15,Baz1a,protein_coding	0.19058662	0.8913421
ENSMUSG00000133777.1,ENSMUSG00000133777,lncRNA	0.19056862	0.795945
ENSMUSG00000132639.1,ENSMUSG00000132639,lncRNA	0.19055212	0.7134946
ENSMUSG00000106542.2,Gm43410,TEC	0.19042785	0.7188479
ENSMUSG00000104239.2,Gm37588,TEC	0.19034526	0.3843135
ENSMUSG00000023968.16,Crip3,protein_coding	0.19021915	0.784466
ENSMUSG00000113722.4,Snhg10,lncRNA	0.19017107	0.5279972
ENSMUSG00000053291.16,Rab4b,protein_coding	0.19005047	0.3395435
ENSMUSG00000061887.15,Ssbp3,protein_coding	0.19003151	0.1246392
ENSMUSG00000030409.17,Dmpk,protein_coding	0.1899998	0.5080533
ENSMUSG00000033871.15,Ppargc1b,protein_coding	0.1899963	0.2756402
ENSMUSG00000109279.2,Gm45220,TEC	0.18998645	0.5261537
ENSMUSG00000075012.5,Fjx1,protein_coding	0.18997287	0.3903538
ENSMUSG00000026458.14,Ppfia4,protein_coding	0.18990107	0.3991705
ENSMUSG00000001552.15,Jup,protein_coding	0.18989122	0.4208079
ENSMUSG00000036915.18,Kirrel2,protein_coding	0.18986778	0.579972
ENSMUSG00000114419.2,5430414B19Rik,lncRNA	0.18984178	0.7032962
ENSMUSG00000021143.11,Pacs2,protein_coding	0.1897899	0.225113
ENSMUSG00000004947.16,Dtx2,protein_coding	0.18974582	0.2915762
ENSMUSG00000001627.13,Ifrd1,protein_coding	0.18971833	0.3678992
ENSMUSG00000006705.14,Pknox1,protein_coding	0.18968124	0.2808223
ENSMUSG00000028859.15,Csf3r,protein_coding	0.18963208	0.616585
ENSMUSG00000097884.2,Gm26543,lncRNA	0.18962268	0.6182217
ENSMUSG00000086970.2,Bcas1os1,lncRNA	0.18960706	0.6807134
ENSMUSG00000096433.3,Zfp994,protein_coding	0.18956112	0.585856
ENSMUSG00000113775.2,Gm48027,lncRNA	0.18948138	0.4591527
ENSMUSG00000029436.10,Mmp17,protein_coding	0.18942652	0.5313393

ENSMUSG00000011034.7,Slc5a1,protein_coding	0.18930022	0.753391
ENSMUSG00000113529.2,Gm47484,lncRNA	0.18929657	0.4872673
ENSMUSG00000028549.18,Itgb3bp,protein_coding	0.18923322	0.4995347
ENSMUSG00000056116.19,H2-T22,protein_coding	0.18913913	0.7779093
ENSMUSG00000103227.2,Gm37733,TEC	0.18910909	0.4475981
ENSMUSG00000044709.7,Gemin7,protein_coding	0.1889839	0.3935745
ENSMUSG00000032842.14,Abcc10,protein_coding	0.18895337	0.3429839
ENSMUSG00000109775.2,Gm45297,TEC	0.18889681	0.58572
ENSMUSG00000111521.3,Gm48529,lncRNA	0.18884352	0.5148266
ENSMUSG00000104103.2,Gm9517,processed_pseudogene	0.18877892	0.5465466
ENSMUSG00000029528.20,Pxn,protein_coding	0.18876978	0.5050824
ENSMUSG00000031949.18,Adat1,protein_coding	0.18875129	0.3352069
ENSMUSG00000055128.16,Cgrrf1,protein_coding	0.18872696	0.1897537
ENSMUSG00000036040.15,Adamtsl2,protein_coding	0.18857733	0.5331228
ENSMUSG00000032259.9,Drd2,protein_coding	0.1884146	0.7143232
ENSMUSG00000024165.10,Jpt2,protein_coding	0.188405	0.7249152
ENSMUSG00000132636.1,ENSMUSG00000132636,lncRNA	0.18838006	0.8100778
ENSMUSG00000020599.14,Rgs9,protein_coding	0.18837462	0.761905
ENSMUSG00000026009.15,Icos,protein_coding	0.18837027	0.9297606
ENSMUSG00000051671.8,Coa6,protein_coding	0.1882879	0.3966663
ENSMUSG00000120414.2,Gm32261,lncRNA	0.18826235	0.4096665
ENSMUSG00000103901.2,Gm37499,TEC	0.18823658	0.3678626
ENSMUSG00000104315.2,Gm37906,TEC	0.18817911	0.4508335
ENSMUSG00000031828.10,Klhl36,protein_coding	0.18808789	0.4820088
ENSMUSG00000015474.17,Ppt2,protein_coding	0.18794751	0.3022049
ENSMUSG00000021136.14,Smoc1,protein_coding	0.1879353	0.5599344
ENSMUSG00000067653.13,Ankrd23,protein_coding	0.18792174	0.5017991
ENSMUSG00000001761.8,Smo,protein_coding	0.18789935	0.2888243
ENSMUSG00000041741.11,Pde3a,protein_coding	0.18784382	0.3747853
ENSMUSG00000102556.2,Gm37569,TEC	0.18771091	0.660356
ENSMUSG00000026269.15,Rnpepl1,protein_coding	0.18732658	0.2318771
ENSMUSG00000050304.5,Slc25a2,protein_coding	0.18730507	0.7528892
ENSMUSG00000121675.1,ENSMUSG00000121675,lncRNA	0.18715454	0.9277167
ENSMUSG00000104469.2,Gm37663,TEC	0.18713206	0.6007788
ENSMUSG00000027398.14,Il1b,protein_coding	0.18712595	0.8727693
ENSMUSG00000045725.6,Prr15,protein_coding	0.18705873	0.5874038
ENSMUSG00000066357.7,Wdr6,protein_coding	0.18699696	0.5154839
ENSMUSG00000074934.4,Grem1,protein_coding	0.18687182	0.5881892
ENSMUSG00000022840.10,Adcy5,protein_coding	0.18666376	0.6486467
ENSMUSG00000103831.2,Gm37608,TEC	0.18665271	0.5109193
ENSMUSG00000018677.10,Slc25a39,protein_coding	0.18661763	0.4191939
ENSMUSG00000031608.14,Galnt7,protein_coding	0.18655464	0.3885308
ENSMUSG00000060257.3,Scrt2,protein_coding	0.18646974	0.4581268
ENSMUSG00000039278.11,Pcsk1n,protein_coding	0.18637774	0.5271253
ENSMUSG00000085409.3,Gm16155,lncRNA	0.18631573	0.7541339
ENSMUSG00000121881.2,Dnaaf8,lncRNA	0.18629329	0.3825321
ENSMUSG00000103303.2,Gm37802,TEC	0.18628843	0.5089519
ENSMUSG00000080772.2,Gm12543,transcribed_processed_pseudogene	0.1862604	0.8230589
ENSMUSG00000104672.2,Gm43665,TEC	0.18604137	0.618554
ENSMUSG00000120288.2,Gm56613,lncRNA	0.18601188	0.8010133
ENSMUSG00000079965.3,Gm14853,processed_pseudogene	0.18600515	0.7125125
ENSMUSG00000046691.15,Chtf8,protein_coding	0.18598119	0.156238

ENSMUSG00000066441.15,Rdh11,protein_coding	0.18597333	0.1954498
ENSMUSG00000104925.2,Gm43061,lncRNA	0.1859483	0.41768
ENSMUSG00000119988.2,5430427G11Rik,lncRNA	0.18585496	0.4579477
ENSMUSG00000022364.15,Tbc1d31,protein_coding	0.18582481	0.4185802
ENSMUSG00000064023.5,Klk8,protein_coding	0.1857976	0.7258966
ENSMUSG00000087543.3,Gm16576,lncRNA	0.18570404	0.6856576
ENSMUSG00000054013.7,Tmem179,protein_coding	0.1856907	0.5895425
ENSMUSG00000133186.1,ENSMUSG00000133186,lncRNA	0.18561531	0.7550621
ENSMUSG00000028860.14,Sytl1,protein_coding	0.1855921	0.7026957
ENSMUSG00000085887.4,Arhgap27os3,lncRNA	0.18547972	0.8973708
ENSMUSG00000143419.1,ENSMUSG00000143419,lncRNA	0.18546068	0.4375885
ENSMUSG00000117864.4,Gm19500,lncRNA	0.18537893	0.4985336
ENSMUSG00000050954.16,Zfp169,protein_coding	0.1853505	0.1114145
ENSMUSG00000021091.9,Serpina3n,protein_coding	0.18522791	0.6110859
ENSMUSG00000113852.2,Gm48062,TEC	0.18520662	0.5264922
ENSMUSG00000018143.11,Mafk,protein_coding	0.18519494	0.5906795
ENSMUSG00000024965.10,Fermt3,protein_coding	0.18504394	0.8226894
ENSMUSG00000051331.17,Cacna1c,protein_coding	0.18493848	0.2806387
ENSMUSG00000025402.13,Nab2,protein_coding	0.18492708	0.1855256
ENSMUSG00000020038.11,Cry1,protein_coding	0.18490277	0.3375831
ENSMUSG00002076304.1,Gm55882,misc_RNA	0.18475373	0.6565619
ENSMUSG00000113831.2,Gm49602,lncRNA	0.18472767	0.4169766
ENSMUSG00000107944.2,Gm44280,TEC	0.18465582	0.5885757
ENSMUSG00000054206.3,Gzmm,protein_coding	0.18453284	0.6686714
ENSMUSG00000022094.16,Slc39a14,protein_coding	0.18451934	0.1470804
ENSMUSG00000057530.15,Ece1,protein_coding	0.18448036	0.2623502
ENSMUSG00000033819.17,Ppp1r16a,protein_coding	0.18446324	0.2618431
ENSMUSG00000021636.17,Marveld2,protein_coding	0.18445071	0.6442115
ENSMUSG00000029414.12,Kntc1,protein_coding	0.1843746	0.9116685
ENSMUSG00000024901.16,Peli3,protein_coding	0.18435517	0.3226125
ENSMUSG00000037306.15,Man1c1,protein_coding	0.18428402	0.249231
ENSMUSG00000108199.2,Gm44249,TEC	0.1842314	0.7200558
ENSMUSG00000129315.1,ENSMUSG00000129315,lncRNA	0.18420039	0.5168693
ENSMUSG00000070002.8,Ell,protein_coding	0.18419667	0.3498016
ENSMUSG00000041241.13,Mul1,protein_coding	0.18404504	0.3169712
ENSMUSG00000112340.2,Gm47016,TEC	0.18400194	0.6030079
ENSMUSG00000054885.14,4930578G10Rik,lncRNA	0.18400166	0.4648161
ENSMUSG00000054717.8,Hmgb2,protein_coding	0.18399972	0.9087031
ENSMUSG00000022849.6,Hspbap1,protein_coding	0.18397136	0.3925528
ENSMUSG00000026921.21,Egfl7,protein_coding	0.18393162	0.3793707
ENSMUSG00000104392.2,Gm37962,TEC	0.18391412	0.4684352
ENSMUSG00000042857.6,Gm9776,lncRNA	0.18370523	0.468971
ENSMUSG00000120881.2,Gm56664,lncRNA	0.18357358	0.7679455
ENSMUSG00000023017.11,Asic1,protein_coding	0.18353804	0.2947029
ENSMUSG00000102874.2,Gm37137,TEC	0.18345897	0.4396313
ENSMUSG00000070284.11,Gmppb,protein_coding	0.18342629	0.4345293
ENSMUSG00000108365.2,Gm44951,TEC	0.18340629	0.6114721
ENSMUSG00000086340.3,1810059C17Rik,lncRNA	0.18340147	0.7429748
ENSMUSG00000070427.5,Il18bp,protein_coding	0.18339311	0.5107053
ENSMUSG00000121184.1,Gm57395,lncRNA	0.1833501	0.530181
ENSMUSG00000002108.11,Nr1h3,protein_coding	0.18325325	0.6200217
ENSMUSG00000120002.2,Gm57146,lncRNA	0.18301593	0.5873803

ENSMUSG00000118310.2,Gm50268,TEC	0.18300412	0.5220162
ENSMUSG00000006728.13,Cdk4,protein_coding	0.18295103	0.4966565
ENSMUSG00000112652.3,4921516A02Rik,lncRNA	0.18289752	0.671521
ENSMUSG00000050567.17,Maml1,protein_coding	0.18289637	0.2067334
ENSMUSG00000025370.8,Cdh9,protein_coding	0.18284724	0.6368196
ENSMUSG00000051238.7,Swsap1,protein_coding	0.18283539	0.4651361
ENSMUSG00000039737.12,Prkrip1,protein_coding	0.18271084	0.1704097
ENSMUSG00000104562.2,Gm42767,TEC	0.18263319	0.6028614
ENSMUSG00000038805.11,Six3,protein_coding	0.1825097	0.7326988
ENSMUSG00000038181.17,Chpf2,protein_coding	0.1824932	0.376618
ENSMUSG00000034151.14,Zbbx,protein_coding	0.1824135	0.6553846
ENSMUSG00000111931.2,Gm47032,TEC	0.18240887	0.6864173
ENSMUSG00000108268.2,Gm44187,TEC	0.18233756	0.4538422
ENSMUSG00000042216.14,Sgsm1,protein_coding	0.18229976	0.3969944
ENSMUSG00000089281.3,Scarna6,scaRNA	0.18219285	0.4392766
ENSMUSG00000085743.3,8430419K02Rik,lncRNA	0.18212473	0.7363906
ENSMUSG00000143433.1,ENSMUSG00000143433,lncRNA	0.18212405	0.7504713
ENSMUSG00000035064.18,Eef2k,protein_coding	0.18211458	0.2709645
ENSMUSG00000098024.4,Gm27003,lncRNA	0.1821118	0.6510745
ENSMUSG00000022568.18,Scrib,protein_coding	0.18206989	0.3349088
ENSMUSG00000025369.16,Smarcc2,protein_coding	0.18198448	0.1937598
ENSMUSG00000030022.15,Adamts9,protein_coding	0.1819245	0.3174918
ENSMUSG00000031104.3,Rab33a,protein_coding	0.1818979	0.5162524
ENSMUSG00000089669.8,Tnfsf13,protein_coding	0.18185471	0.6702343
ENSMUSG00000029228.16,Lnx1,protein_coding	0.18182443	0.3316239
ENSMUSG00000102425.2,Gm26616,TEC	0.18163416	0.7343116
ENSMUSG00000028795.16,Ccdc28b,protein_coding	0.18160237	0.4265035
ENSMUSG00000032344.18,Cgas,protein_coding	0.18154837	0.6731768
ENSMUSG00000139170.1,ENSMUSG00000139170,lncRNA	0.18153172	0.6941186
ENSMUSG00000047363.5,Cstad,protein_coding	0.18150151	0.687222
ENSMUSG00000064356.1,mt-Atp8,protein_coding	0.18145783	0.7679701
ENSMUSG00000086175.4,Gm15802,lncRNA	0.18132496	0.635506
ENSMUSG00000108057.2,Gm44234,TEC	0.18129844	0.5203804
ENSMUSG00000101356.4,Gm28876,lncRNA	0.18127505	0.7651696
ENSMUSG00000022323.12,Rida,protein_coding	0.18119306	0.2768006
ENSMUSG00000003134.11,Tbc1d8,protein_coding	0.18108236	0.2871424
ENSMUSG00000087694.9,Gjd2os,lncRNA	0.18103449	0.3910667
ENSMUSG00000056055.15,Sag,protein_coding	0.18099369	0.4862756
ENSMUSG00000031906.10,Smpd3,protein_coding	0.18097099	0.6045108
ENSMUSG00000033952.15,Aspm,protein_coding	0.18094416	0.914078
ENSMUSG00000065637.3,Gm26397,snoRNA	0.18094145	0.4550831
ENSMUSG00000037977.7,6430571L13Rik,protein_coding	0.18091179	0.6136771
ENSMUSG00000083563.2,Gm13340,unprocessed_pseudogene	0.18089805	0.5925849
ENSMUSG00000077734.3,Snord83b,snoRNA	0.18089458	0.4023123
ENSMUSG00000121496.2,Ube2d-ps,lncRNA	0.18084099	0.2662256
ENSMUSG00000039095.9,En2,protein_coding	0.18083117	0.7282147
ENSMUSG00000042116.4,Vwa1,protein_coding	0.18067156	0.3410291
ENSMUSG00000117332.2,Gm49942,TEC	0.18065766	0.4565666
ENSMUSG00000035274.14,Tpbg,protein_coding	0.18065572	0.4748763
ENSMUSG00000011096.18,Akt1s1,protein_coding	0.18056939	0.2519547
ENSMUSG00000077575.3,Gm24888,snoRNA	0.18048831	0.7016044
ENSMUSG00000090005.2,Gm16540,lncRNA	0.18045426	0.6494172

ENSMUSG00000043923.9,Cenatac,protein_coding	0.18044123	0.5149726
ENSMUSG00000130860.1,ENSMUSG00000130860,lncRNA	0.18034339	0.5546311
ENSMUSG00000089789.2,Rdh1,protein_coding	0.18034119	0.5771661
ENSMUSG00000029700.12,Slc13a1,protein_coding	0.18032479	0.7823349
ENSMUSG00000020669.16,Sh3yl1,protein_coding	0.18021325	0.4210402
ENSMUSG00000036995.8,Asap3,protein_coding	0.18017519	0.5225866
ENSMUSG00000120437.2,Gm56954,lncRNA	0.18016817	0.7295131
ENSMUSG00000026117.11,Zap70,protein_coding	0.18008209	0.8168643
ENSMUSG00000040552.9,C3ar1,protein_coding	0.18007773	0.7979806
ENSMUSG00000030316.14,Tamm41,protein_coding	0.18007359	0.2152441
ENSMUSG00000033768.18,Nrxn2,protein_coding	0.18003672	0.3633264
ENSMUSG00000103520.2,1110025M09Rik,TEC	0.18003478	0.6552809
ENSMUSG00000029475.18,Kdm2b,protein_coding	0.17999127	0.3968742
ENSMUSG00000119258.1,Gm26096,snoRNA	0.17998986	0.6838518
ENSMUSG00000119726.1,Gm26499,snoRNA	0.17998986	0.6838518
ENSMUSG00000020364.15,Zfp354a,protein_coding	0.17987257	0.3684983
ENSMUSG00000068615.5,Gjd2,protein_coding	0.1798642	0.4272506
ENSMUSG00000121895.2,ENSMUSG00000121895,lncRNA	0.17984768	0.6541295
ENSMUSG00000027175.11,Tcp11l1,protein_coding	0.17973507	0.280499
ENSMUSG00000039954.10,Stk32a,protein_coding	0.17972702	0.3424577
ENSMUSG00000106841.2,Gm42656,TEC	0.17961772	0.5601243
ENSMUSG00000013367.6,Iglon5,protein_coding	0.17955122	0.323115
ENSMUSG00000104581.2,Gm42497,TEC	0.17953821	0.7208605
ENSMUSG00000031143.5,Ccdc22,protein_coding	0.17948663	0.4446597
ENSMUSG00000114555.2,Gm48706,TEC	0.17946952	0.5744215
ENSMUSG00000049305.7,Ccdc71,protein_coding	0.17940591	0.290435
ENSMUSG00000113226.2,Gm47808,lncRNA	0.17939062	0.6480198
ENSMUSG00000119843.1,Gm25646,snoRNA	0.17938037	0.6772454
ENSMUSG00000065226.3,Gm25791,snoRNA	0.17926522	0.7412566
ENSMUSG00000110087.2,Gm45309,lncRNA	0.17924906	0.5139484
ENSMUSG00000024736.16,Tmem132a,protein_coding	0.179231	0.407237
ENSMUSG00000118841.1,Rn7s2,misc_RNA	0.17922146	0.273909
ENSMUSG00000022861.18,Dgkg,protein_coding	0.17916564	0.4685947
ENSMUSG00000119520.1,Gm24265,snRNA	0.17906459	0.6633013
ENSMUSG00000134568.1,ENSMUSG00000134568,lncRNA	0.17905757	0.8104205
ENSMUSG00000029576.18,Radil,protein_coding	0.1789916	0.5473214
ENSMUSG00000097311.10,Gm26871,lncRNA	0.17865447	0.6036405
ENSMUSG00000035559.10,Mpv17l2,protein_coding	0.17857125	0.5456092
ENSMUSG00000009733.10,Tfcp2,protein_coding	0.17854256	0.2142052
ENSMUSG00000103869.2,Gm37420,TEC	0.17853665	0.5715188
ENSMUSG00000117974.3,Tuba-rs1,transcribed_processed_pseudogene	0.17850543	0.6452703
ENSMUSG00000133686.1,ENSMUSG00000133686,lncRNA	0.17849751	0.7849601
ENSMUSG00000057098.15,Ebf1,protein_coding	0.17848118	0.667007
ENSMUSG00000103505.2,Gm38374,TEC	0.1784573	0.5716915
ENSMUSG00000051497.16,Kcnj16,protein_coding	0.17828205	0.3991299
ENSMUSG00000112847.2,Gm47573,TEC	0.17826873	0.6218664
ENSMUSG00000036814.14,Slc6a20a,protein_coding	0.17826271	0.5368595
ENSMUSG00000026072.13,Il1r1,protein_coding	0.17824735	0.3813837
ENSMUSG00000096977.4,Gm10827,lncRNA	0.17822554	0.6257872
ENSMUSG00000108659.3,Gm34121,lncRNA	0.17813161	0.7316319
ENSMUSG00000027379.15,Bub1,protein_coding	0.17811447	0.9532657
ENSMUSG00000058454.16,Dhcr7,protein_coding	0.17806376	0.3142473

ENSMUSG00000109206.2,Gm45137,TEC	0.17801635	0.4220793
ENSMUSG00000024132.7,Eci1,protein_coding	0.17797916	0.4200037
ENSMUSG00000039474.14,Wfs1,protein_coding	0.177962	0.5312807
ENSMUSG00000039835.17,Nhsl1,protein_coding	0.17793318	0.1926269
ENSMUSG00000120442.2,Gm56829,lncRNA	0.17791633	0.3597189
ENSMUSG00000018931.4,Natd1,protein_coding	0.17788366	0.2605424
ENSMUSG00000096764.2,Gm21985,protein_coding	0.17785885	0.9650602
ENSMUSG00000102995.2,A330074H02Rik,TEC	0.17783142	0.5705117
ENSMUSG00000070738.11,Dgkd,protein_coding	0.17772941	0.3395589
ENSMUSG00000051228.6,Nyx,protein_coding	0.17765692	0.6057812
ENSMUSG00000034765.7,Dusp5,protein_coding	0.17759491	0.6693638
ENSMUSG00000050545.11,Fam228b,protein_coding	0.17752546	0.3765209
ENSMUSG00000110830.4,Gm46218,lncRNA	0.17751804	0.4364836
ENSMUSG00000073468.13,Sft2d1,protein_coding	0.17749964	0.3306976
ENSMUSG00000143175.1,ENSMUSG00000143175,lncRNA	0.1774348	0.8476232
ENSMUSG00000053626.6,Tll1,protein_coding	0.17721184	0.6563856
ENSMUSG00000134077.1,ENSMUSG00000134077,lncRNA	0.1771795	0.5410909
ENSMUSG00000107742.2,9530085L11Rik,TEC	0.17717444	0.4254723
ENSMUSG00000054252.19,Fgfr3,protein_coding	0.17716979	0.3064027
ENSMUSG00000028910.13,Mecr,protein_coding	0.177158	0.2791338
ENSMUSG00000028959.15,Fastk,protein_coding	0.17715229	0.2743451
ENSMUSG00000105337.6,1700094M23Rik,lncRNA	0.17711236	0.7665796
ENSMUSG00000106364.2,Gm42994,TEC	0.17705995	0.6052403
ENSMUSG00000041654.16,Slc39a11,protein_coding	0.17704818	0.3929039
ENSMUSG00000103845.2,Gm19026,processed_pseudogene	0.17701944	0.6216221
ENSMUSG00000042826.14,Fgf11,protein_coding	0.17681805	0.1663733
ENSMUSG00000041801.6,Phlda3,protein_coding	0.17680515	0.5785825
ENSMUSG00000037419.10,Endod1,protein_coding	0.1767145	0.4380877
ENSMUSG00000025538.16,Sumf2,protein_coding	0.1766991	0.315699
ENSMUSG00000136781.1,ENSMUSG00000136781,lncRNA	0.17662021	0.7934656
ENSMUSG00000105936.2,Gm43544,TEC	0.17651472	0.5877373
ENSMUSG00000034947.14,Tmem106a,protein_coding	0.17648591	0.7704452
ENSMUSG00000040740.8,Slc25a34,protein_coding	0.17641356	0.570728
ENSMUSG00000029828.5,Spmip4,protein_coding	0.17639654	0.6333325
ENSMUSG00000041440.19,Gk5,protein_coding	0.17638183	0.3479413
ENSMUSG00000028527.19,Ak4,protein_coding	0.17637391	0.4115906
ENSMUSG00000054910.7,4931415C17Rik,lncRNA	0.17635326	0.6095714
ENSMUSG00000091756.3,Gm3095,protein_coding	0.17634779	0.4816234
ENSMUSG00000124170.1,ENSMUSG00000124170,lncRNA	0.17632369	0.6411345
ENSMUSG00000105578.2,Gm43663,TEC	0.17632298	0.7409847
ENSMUSG00000022721.20,Trmt2a,protein_coding	0.17626881	0.3304451
ENSMUSG00000065649.3,Snora74a,snoRNA	0.17624976	0.2097137
ENSMUSG00000056531.12,Ccdc18,protein_coding	0.17621012	0.8027403
ENSMUSG00000025993.11,Slc40a1,protein_coding	0.17615895	0.4384111
ENSMUSG00000085397.3,Gm13524,lncRNA	0.17609505	0.6377878
ENSMUSG00000044167.7,Foxo1,protein_coding	0.17607529	0.4904409
ENSMUSG00000067370.5,B3galt4,protein_coding	0.17606596	0.5256526
ENSMUSG00000143669.1,ENSMUSG00000143669,lncRNA	0.17605239	0.9372323
ENSMUSG00000024143.16,Rhoq,protein_coding	0.17603221	0.3745102
ENSMUSG00000051439.8,Cd14,protein_coding	0.17602704	0.7328008
ENSMUSG00000109320.2,Gm44679,TEC	0.1760264	0.673851
ENSMUSG00000031312.6,Itgb1bp2,protein_coding	0.17598968	0.6950483

ENSMUSG00000003153.11,Slc2a3,protein_coding	0.17597076	0.2818705
ENSMUSG00000003680.17,Taf6l,protein_coding	0.17596775	0.5325754
ENSMUSG00000021226.8,Acot2,protein_coding	0.17595505	0.5509997
ENSMUSG00000094638.2,Gm21972,protein_coding	0.17593956	0.9360766
ENSMUSG00000032076.21,Cadm1,protein_coding	0.17579947	0.3124266
ENSMUSG00000051727.15,Kctd14,protein_coding	0.17569559	0.7034082
ENSMUSG00000074235.6,Gm10649,lncRNA	0.17560838	0.4115232
ENSMUSG00000047394.10,Cimap1b,protein_coding	0.17560665	0.8251031
ENSMUSG00000066894.15,Vsig10,protein_coding	0.17550159	0.4858699
ENSMUSG00000054000.6,Tusc1,protein_coding	0.17548173	0.4923148
ENSMUSG00000052301.15,Doc2a,protein_coding	0.17536699	0.6236659
ENSMUSG00000006958.15,Chrd,protein_coding	0.17536378	0.4566868
ENSMUSG00000097559.2,D430018E03Rik,lncRNA	0.17536246	0.4915003
ENSMUSG00000042340.7,Ctf1,protein_coding	0.17529461	0.6095204
ENSMUSG00000124737.1,ENSMUSG00000124737,lncRNA	0.17518989	0.4754736
ENSMUSG00000078877.12,Gm14295,protein_coding	0.17509801	0.6080584
ENSMUSG00000055652.15,Klhl25,protein_coding	0.17506168	0.4071145
ENSMUSG00000020605.10,Hs1bp3,protein_coding	0.1750608	0.3089981
ENSMUSG00000103772.2,Gm36933,TEC	0.17501811	0.6104141
ENSMUSG00000035112.18,Wnk4,protein_coding	0.17491764	0.5649439
ENSMUSG00000026207.17,Speg,protein_coding	0.17490897	0.4224857
ENSMUSG00000059182.9,Skap2,protein_coding	0.17490308	0.6254947
ENSMUSG00000030452.17,Nipa2,protein_coding	0.17486766	0.3153503
ENSMUSG00000029361.19,Nos1,protein_coding	0.17482892	0.3530473
ENSMUSG00000030222.14,Rerg,protein_coding	0.17472674	0.603214
ENSMUSG00000104950.2,4833413G10Rik,lncRNA	0.1747129	0.4365895
ENSMUSG00000070371.12,Prss36,protein_coding	0.17465039	0.5274374
ENSMUSG00000071652.9,Ints5,protein_coding	0.1745639	0.2626466
ENSMUSG00000039824.5,Myl6b,protein_coding	0.17455482	0.6196794
ENSMUSG00000052033.14,Pfdn4,protein_coding	0.17453625	0.450679
ENSMUSG00000022322.9,Shcbp1,protein_coding	0.17452449	0.9019577
ENSMUSG00000034424.6,Gcsh,protein_coding	0.17452309	0.3057759
ENSMUSG00000024427.8,Spry4,protein_coding	0.17445459	0.3637947
ENSMUSG00000039546.10,Ajap1,protein_coding	0.17443927	0.4811432
ENSMUSG00000001039.13,B9d1,protein_coding	0.17443072	0.4508829
ENSMUSG00000039725.7,Trp53rka,protein_coding	0.17430325	0.2339051
ENSMUSG00000020895.15,Tmem107,protein_coding	0.17426935	0.6400898
ENSMUSG00000036975.6,Tmem177,protein_coding	0.17423293	0.2849641
ENSMUSG00000109245.2,Gm44860,TEC	0.17414027	0.5261482
ENSMUSG00000047712.9,Ust,protein_coding	0.17412736	0.3844748
ENSMUSG00000044700.16,Tmem201,protein_coding	0.17412153	0.3090423
ENSMUSG00000017718.16,Afmid,protein_coding	0.17406672	0.848282
ENSMUSG00000105692.2,Gm43737,TEC	0.17402496	0.4041671
ENSMUSG00000086782.5,E130102H24Rik,lncRNA	0.1739948	0.5054606
ENSMUSG00000087408.11,Cers1,protein_coding	0.17399142	0.4448201
ENSMUSG00000121010.1,Gm56858,lncRNA	0.17391393	0.7490783
ENSMUSG00000048899.9,Rimkla,protein_coding	0.17382829	0.4065844
ENSMUSG00000046546.4,Fam43a,protein_coding	0.17375406	0.3776448
ENSMUSG00000089769.2,Gm16574,processed_pseudogene	0.17375209	0.7691183
ENSMUSG00000109243.2,Gm45867,TEC	0.17374632	0.5917445
ENSMUSG00000090122.4,Kcne5,protein_coding	0.17372714	0.6475732
ENSMUSG00000111490.2,Gm47159,TEC	0.17370368	0.7145478

ENSMUSG00000097781.3,9330136K24Rik,lncRNA	0.17368713	0.626848
ENSMUSG00000030790.16,Adm,protein_coding	0.17358768	0.8664448
ENSMUSG00000034145.15,Tmem63c,protein_coding	0.17351165	0.4439249
ENSMUSG00000036560.15,Lgi4,protein_coding	0.17335778	0.3474805
ENSMUSG00000025730.16,Rab40c,protein_coding	0.17318978	0.2056466
ENSMUSG00000063065.14,Mapk3,protein_coding	0.17318545	0.4097263
ENSMUSG00000042109.9,Csdc2,protein_coding	0.17318271	0.4173192
ENSMUSG00000102553.2,D930036K23Rik,TEC	0.17316493	0.3895598
ENSMUSG00000022559.9,Fbxl6,protein_coding	0.1731615	0.4229298
ENSMUSG00000032120.12,C2cd2l,protein_coding	0.1730991	0.4418175
ENSMUSG00000044447.6,Dock5,protein_coding	0.17306108	0.376422
ENSMUSG00000037692.15,Ahdc1,protein_coding	0.17301668	0.4006308
ENSMUSG00000030801.11,Kat8,protein_coding	0.17300131	0.2751121
ENSMUSG00000054945.6,Gm9958,lncRNA	0.17294328	0.6580164
ENSMUSG00000091144.3,Phf11c,protein_coding	0.17290425	0.7528956
ENSMUSG00000032802.9,Srxn1,protein_coding	0.17286172	0.3052556
ENSMUSG00000037610.17,Kcnmb2,protein_coding	0.17281702	0.4771435
ENSMUSG00000014786.9,Slc9a5,protein_coding	0.17281521	0.2944475
ENSMUSG00000010110.18,Stx5a,protein_coding	0.17274664	0.1872457
ENSMUSG00000116632.4,Magef1,transcribed_processed_pseudogene	0.1727276	0.9304382
ENSMUSG00000038712.17,Mindy1,protein_coding	0.17269263	0.4419419
ENSMUSG00000024873.8,Cnih2,protein_coding	0.17267987	0.5449948
ENSMUSG00000020330.17,Hmmr,protein_coding	0.17264962	0.9237466
ENSMUSG00000002280.12,Ciao3,protein_coding	0.17262626	0.206585
ENSMUSG00000064120.15,Mocs1,protein_coding	0.17261616	0.4547154
ENSMUSG00000031482.10,Slc25a15,protein_coding	0.17258698	0.3232301
ENSMUSG00000055053.19,Nfic,protein_coding	0.17255982	0.3060277
ENSMUSG00000109814.3,Gm45847,lncRNA	0.17248096	0.3557312
ENSMUSG00000031070.16,Mrgprf,protein_coding	0.17243437	0.7391298
ENSMUSG00000086526.4,Gm12762,lncRNA	0.1724176	0.6482119
ENSMUSG00000031604.11,Msmo1,protein_coding	0.17238081	0.2317944
ENSMUSG00000105574.2,Gm43648,TEC	0.17232701	0.6104959
ENSMUSG00000003199.17,Mpnd,protein_coding	0.17231785	0.3746957
ENSMUSG00000090272.10,Mndal,protein_coding	0.17229364	0.8242904
ENSMUSG00000097068.5,Gm26760,lncRNA	0.17223558	0.6595803
ENSMUSG00000022790.15,Igsf11,protein_coding	0.17223299	0.3097763
ENSMUSG00000028889.18,Yrdc,protein_coding	0.17222811	0.3829114
ENSMUSG00000109510.2,Gm42417,protein_coding	0.17222665	0.9341938
ENSMUSG00000109481.2,Gm45130,TEC	0.1722055	0.6219074
ENSMUSG00000017417.15,Plxdc1,protein_coding	0.17197422	0.4036977
ENSMUSG00000082319.4,Actr3-ps,processed_pseudogene	0.17193796	0.6585936
ENSMUSG00000050989.11,Selenon,protein_coding	0.17181959	0.368158
ENSMUSG00000062169.14,Cnih4,protein_coding	0.17177783	0.1428526
ENSMUSG00000100706.9,Gm19744,lncRNA	0.17176945	0.7590161
ENSMUSG00000114780.4,AI197445,lncRNA	0.17164413	0.696057
ENSMUSG00000058290.5,Espl1,protein_coding	0.17164042	0.8664693
ENSMUSG00000026211.19,Obsl1,protein_coding	0.17162115	0.4384889
ENSMUSG00000059791.15,Nrm,protein_coding	0.17160781	0.7333312
ENSMUSG00000103285.2,Gm37274,TEC	0.17158955	0.459441
ENSMUSG00000105083.2,Gm42699,lncRNA	0.17152426	0.7713044
ENSMUSG00000052763.8,Zfp212,protein_coding	0.17152201	0.3355674
ENSMUSG00000020773.12,Trim47,protein_coding	0.17151629	0.6786249

ENSMUSG00000121080.1,Gm57228,lncRNA	0.17145473	0.5618862
ENSMUSG00000003644.18,Rps6ka1,protein_coding	0.17135421	0.667
ENSMUSG00000071042.13,Rasgrp3,protein_coding	0.17132449	0.7949557
ENSMUSG00000078532.10,Nkain1,protein_coding	0.17130997	0.5301259
ENSMUSG00000003955.9,Fam162a,protein_coding	0.17128467	0.3074028
ENSMUSG00000106498.2,Gm43032,TEC	0.17123013	0.5238566
ENSMUSG00000063430.10,Wscd2,protein_coding	0.17120742	0.5902184
ENSMUSG00000107115.2,Gm43052,TEC	0.17108104	0.5709005
ENSMUSG00000129746.1,ENSMUSG00000129746,lncRNA	0.1709829	0.4661077
ENSMUSG00000037752.5,Xkr8,protein_coding	0.17093742	0.3069076
ENSMUSG00000041779.6,Tram2,protein_coding	0.17092569	0.7975504
ENSMUSG00000121476.2,ENSMUSG00000121476,lncRNA	0.17092345	0.7836244
ENSMUSG00000024330.18,Col11a2,protein_coding	0.17089596	0.4217794
ENSMUSG00000029420.15,Rimbp2,protein_coding	0.17089044	0.531364
ENSMUSG00000015027.12,Galns,protein_coding	0.17086698	0.6475469
ENSMUSG00000112278.4,Gm30025,lncRNA	0.17073188	0.7143686
ENSMUSG00000022325.15,Pop1,protein_coding	0.17071764	0.3391917
ENSMUSG00000037326.11,Capn15,protein_coding	0.17067806	0.3026087
ENSMUSG00000058586.13,Serhl,protein_coding	0.17065988	0.6890361
ENSMUSG00000136446.1,ENSMUSG00000136446,lncRNA	0.17065496	0.6258612
ENSMUSG00000008398.17,Elk3,protein_coding	0.17064773	0.7179149
ENSMUSG00000036502.15,Tmem255a,protein_coding	0.17063673	0.4380199
ENSMUSG00000106706.2,C530043K16Rik,TEC	0.17061562	0.4328065
ENSMUSG00000087006.4,Gm13889,protein_coding	0.17058072	0.4558693
ENSMUSG00000028458.13,Tesk1,protein_coding	0.17053861	0.4195227
ENSMUSG00000038319.15,Kcnh2,protein_coding	0.17050231	0.5665244
ENSMUSG00000042289.12,Hsd3b7,protein_coding	0.17038608	0.6921125
ENSMUSG00000035285.7,Nat14,protein_coding	0.1703033	0.5427863
ENSMUSG00000055078.8,Gabra5,protein_coding	0.17020008	0.5933083
ENSMUSG00000106537.2,Gm43502,TEC	0.17015722	0.5690211
ENSMUSG00000034258.5,Flvcr2,protein_coding	0.17010754	0.5889226
ENSMUSG00000028701.5,Lurap1,protein_coding	0.17006808	0.6218487
ENSMUSG00000087475.6,4933406I18Rik,lncRNA	0.17003059	0.4575403
ENSMUSG00000078861.9,Zfp931,protein_coding	0.16991615	0.5451929
ENSMUSG00000134489.1,ENSMUSG00000134489,lncRNA	0.16986805	0.7425906
ENSMUSG00000057363.13,Uxs1,protein_coding	0.16976628	0.2689223
ENSMUSG00000049230.9,Myef2l,protein_coding	0.16976137	0.4814237
ENSMUSG00000109890.4,AU023762,lncRNA	0.16962725	0.6988293
ENSMUSG00000130143.1,ENSMUSG00000130143,lncRNA	0.16958656	0.6374225
ENSMUSG00000104154.2,Gm38104,TEC	0.16957406	0.6073974
ENSMUSG00000031824.16,6430548M08Rik,protein_coding	0.16954997	0.3524163
ENSMUSG00000133468.1,ENSMUSG00000133468,lncRNA	0.16953091	0.8436106
ENSMUSG00000107886.2,Gm43880,TEC	0.16942847	0.5211164
ENSMUSG00000059851.16,Kmt5c,protein_coding	0.16935016	0.5082655
ENSMUSG00000038695.14,Josd2,protein_coding	0.16932146	0.4172223
ENSMUSG00000105356.2,Gm42603,TEC	0.16921009	0.7257956
ENSMUSG00000050623.6,Catsperz,protein_coding	0.16919157	0.7035713
ENSMUSG00000056310.15,Tyw1,protein_coding	0.16918305	0.3370803
ENSMUSG00000040964.17,Arhgef10l,protein_coding	0.16916014	0.4271665
ENSMUSG00002075983.1,Gm54611,miRNA	0.16914362	0.6057586
ENSMUSG00000030583.17,Sipa1l3,protein_coding	0.16911534	0.3342327
ENSMUSG00000086193.4,Gm11508,lncRNA	0.16908236	0.5751824

ENSMUSG00000044548.12,Dact1,protein_coding	0.1690059	0.5162434
ENSMUSG00000068463.7,B630019A10Rik,lncRNA	0.16898666	0.6889031
ENSMUSG00000109045.2,Gm45084,TEC	0.16896513	0.6105551
ENSMUSG00000041774.17,Ydjc,protein_coding	0.16893733	0.5920738
ENSMUSG00000120593.2,Gm56651,lncRNA	0.168935	0.6662495
ENSMUSG00000105740.2,Gm42685,TEC	0.16887691	0.5186384
ENSMUSG00000141380.1,ENSMUSG00000141380,lncRNA	0.16885689	0.5842525
ENSMUSG00000052688.13,Rab7b,protein_coding	0.16878619	0.5941586
ENSMUSG00000116760.3,Gm1604a,lncRNA	0.16877781	0.6431683
ENSMUSG00000097772.10,5430416N02Rik,lncRNA	0.1687594	0.4447883
ENSMUSG00000028042.16,Zbtb7b,protein_coding	0.168742	0.4808242
ENSMUSG00000036422.11,Pcdh8,protein_coding	0.16874004	0.514756
ENSMUSG00000104547.2,Gm43022,TEC	0.16872688	0.7671351
ENSMUSG00000111063.4,Zfp660,lncRNA	0.16872268	0.3964196
ENSMUSG00000020003.17,Pex7,protein_coding	0.1686881	0.1634859
ENSMUSG00000102277.3,A130050O07Rik,TEC	0.16865112	0.6685102
ENSMUSG00000058900.7,Rsl1,protein_coding	0.16860189	0.7132777
ENSMUSG00000025395.16,Prim1,protein_coding	0.16858517	0.6836962
ENSMUSG00000024517.18,Grp,protein_coding	0.16853201	0.7626785
ENSMUSG00000027684.17,Mecom,protein_coding	0.16852997	0.4460559
ENSMUSG00000025366.9,Esyt1,protein_coding	0.16851035	0.6269435
ENSMUSG00000020656.17,Grhl1,protein_coding	0.16848438	0.4541598
ENSMUSG00000025158.8,Rfng,protein_coding	0.16833878	0.4398086
ENSMUSG00000029814.11,Igf2bp3,protein_coding	0.16820886	0.9065556
ENSMUSG00000024538.9,Ppic,protein_coding	0.1681666	0.7335833
ENSMUSG00000084803.10,5830444B04Rik,lncRNA	0.16814385	0.9073866
ENSMUSG00000038894.8,Irs2,protein_coding	0.16810906	0.1288277
ENSMUSG00000058979.8,Hdhd5,protein_coding	0.16805191	0.3054758
ENSMUSG00000117653.2,Gm50009,TEC	0.16802941	0.6743288
ENSMUSG00000024998.18,Plce1,protein_coding	0.16783984	0.5005997
ENSMUSG00000006395.18,Hyi,protein_coding	0.16780358	0.6856248
ENSMUSG00000045294.12,Insig1,protein_coding	0.16773327	0.2716831
ENSMUSG00000041313.15,Slc7a1,protein_coding	0.16772093	0.5421075
ENSMUSG00000050860.7,Phospho1,protein_coding	0.16762393	0.4023479
ENSMUSG00000005338.15,Cadm3,protein_coding	0.16762155	0.417703
ENSMUSG00000074782.5,4833422C13Rik,lncRNA	0.16761857	0.6148732
ENSMUSG00000105304.2,Gm43696,lncRNA	0.16761535	0.4837295
ENSMUSG00000074517.3,Gm10710,lncRNA	0.16756608	0.778593
ENSMUSG00000044024.17,Rell2,protein_coding	0.16738667	0.4978563
ENSMUSG00000027488.13,Snta1,protein_coding	0.16737961	0.310722
ENSMUSG00000104030.2,5330406M23Rik,TEC	0.16737625	0.426562
ENSMUSG00000027612.8,Mmp24,protein_coding	0.16730526	0.5474054
ENSMUSG00000115317.4,Gm32618,lncRNA	0.16730461	0.5388811
ENSMUSG00000079434.9,Neu2,protein_coding	0.16715332	0.7324554
ENSMUSG00000105803.2,Gm43526,TEC	0.16702038	0.5657139
ENSMUSG00000007603.10,Dus3l,protein_coding	0.16698076	0.3011364
ENSMUSG00000053141.17,Ptprt,protein_coding	0.1669789	0.3263402
ENSMUSG00000107201.2,5930420M18Rik,TEC	0.16697668	0.47753
ENSMUSG00000034595.18,Ppp1r18,protein_coding	0.16694615	0.738631
ENSMUSG00000068740.15,Celsr2,protein_coding	0.16694408	0.4557801
ENSMUSG00000120509.2,Gm57046,lncRNA	0.16689812	0.5349579
ENSMUSG00000054863.10,Tafa5,protein_coding	0.16679935	0.4112391

ENSMUSG00000020150.14,Gamt,protein_coding	0.16673733	0.6241817
ENSMUSG00000043510.13,Hscb,protein_coding	0.16673434	0.7386179
ENSMUSG00000086075.4,Gm15728,lncRNA	0.16672049	0.5818319
ENSMUSG00000103220.2,Gm37728,TEC	0.16666316	0.4999958
ENSMUSG00000105607.2,Gm43513,TEC	0.16664038	0.6801813
ENSMUSG00000120026.2,Gm57421,lncRNA	0.16657765	0.7270859
ENSMUSG00000054874.13,Pcnx3,protein_coding	0.16648882	0.3202566
ENSMUSG00000036466.18,Megf11,protein_coding	0.16643259	0.6720387
ENSMUSG00000032119.6,Hinfp,protein_coding	0.16631902	0.3861948
ENSMUSG00000091764.5,Zfp964,protein_coding	0.16631235	0.4208448
ENSMUSG00000040093.17,Bmf,protein_coding	0.16629261	0.8322748
ENSMUSG00000030108.15,Slc6a13,protein_coding	0.16626385	0.5903988
ENSMUSG00000005378.18,Bud23,protein_coding	0.16621304	0.3213424
ENSMUSG00000074649.7,Mmp24os1,protein_coding	0.16610891	0.4901895
ENSMUSG00000104136.2,Gm36955,TEC	0.16608542	0.5821907
ENSMUSG00000109385.2,Gm44518,TEC	0.16607045	0.3391158
ENSMUSG00000108040.2,Gm43900,TEC	0.16599782	0.6514323
ENSMUSG00000120539.2,Gm56507,lncRNA	0.16597375	0.5823841
ENSMUSG00000061882.14,Ccdc62,protein_coding	0.16596856	0.5079542
ENSMUSG00000134971.1,ENSMUSG00000134971,lncRNA	0.16595557	0.5896371
ENSMUSG00000038119.16,Cdon,protein_coding	0.1659478	0.4381675
ENSMUSG00000019338.14,Zfp687,protein_coding	0.1659392	0.3544768
ENSMUSG00000046727.14,Cystm1,protein_coding	0.16592188	0.2536726
ENSMUSG00000070570.6,Slc17a7,protein_coding	0.16589447	0.5466747
ENSMUSG00000051378.11,Kif18b,protein_coding	0.16589331	0.9276681
ENSMUSG00000010054.5,Tusc2,protein_coding	0.16584864	0.443558
ENSMUSG00000120583.2,Gm56501,lncRNA	0.1657989	0.5452342
ENSMUSG00000080848.4,Gm9385,processed_pseudogene	0.16570846	0.6644565
ENSMUSG00000004451.15,Ralb,protein_coding	0.16548713	0.2281113
ENSMUSG00000045838.10,Ccdc9b,protein_coding	0.16544028	0.4753119
ENSMUSG00000132055.1,ENSMUSG00000132055,lncRNA	0.16542479	0.8190124
ENSMUSG00000063445.15,Nmral1,protein_coding	0.16536917	0.5916633
ENSMUSG00000011267.9,Zfp296,protein_coding	0.16531025	0.8879761
ENSMUSG00000002489.17,Tiam1,protein_coding	0.16530854	0.4301433
ENSMUSG00000102496.2,Gm36989,TEC	0.16529569	0.6818482
ENSMUSG00000120324.2,Gm57007,lncRNA	0.16520559	0.5945693
ENSMUSG00000031425.16,Plp1,protein_coding	0.16516245	0.4073901
ENSMUSG00000085704.4,4921531C22Rik,lncRNA	0.16509204	0.445835
ENSMUSG00000023931.6,Efhb,protein_coding	0.16507929	0.8342678
ENSMUSG00000026999.15,Nup35,protein_coding	0.16492722	0.4360657
ENSMUSG00000097006.10,9530082P21Rik,lncRNA	0.16489964	0.5577625
ENSMUSG00000032232.15,Cgnl1,protein_coding	0.16487562	0.4130303
ENSMUSG00000104546.2,Gm43858,TEC	0.16487042	0.4503476
ENSMUSG00000026791.15,Slc2a8,protein_coding	0.16475957	0.3584517
ENSMUSG00000030495.13,Slc7a10,protein_coding	0.16471524	0.4748793
ENSMUSG00000019558.15,Slc6a8,protein_coding	0.16469307	0.2483166
ENSMUSG00000016194.15,Hsd11b1,protein_coding	0.16468712	0.6435499
ENSMUSG00000102649.2,Gm38021,TEC	0.16462403	0.6201577
ENSMUSG00000051043.17,Gprc5c,protein_coding	0.16455997	0.7141501
ENSMUSG00000137200.1,ENSMUSG00000137200,lncRNA	0.16447902	0.6695786
ENSMUSG00000025821.10,Zfp282,protein_coding	0.16442568	0.1897516
ENSMUSG00000087590.5,Epb41l4aos,lncRNA	0.16439919	0.5255916

ENSMUSG00000013539.15,Tango2,protein_coding	0.16436032	0.2830707
ENSMUSG00000031816.16,Mthfsd,protein_coding	0.16433725	0.2700955
ENSMUSG00000099647.2,Gm5776,processed_pseudogene	0.16431706	0.7606933
ENSMUSG00000019461.13,Plscr3,protein_coding	0.16429117	0.3663293
ENSMUSG00000082765.4,Gm14411,unprocessed_pseudogene	0.16415843	0.623731
ENSMUSG00000048707.10,Tprn,protein_coding	0.16403927	0.5434615
ENSMUSG00000061311.7,Rag1,protein_coding	0.16400664	0.7531359
ENSMUSG00000104713.5,Gbp6,protein_coding	0.16400339	0.8999209
ENSMUSG00000073485.5,H3f3aos,lncRNA	0.1639882	0.6341956
ENSMUSG00000002550.17,Uck1,protein_coding	0.16391316	0.404842
ENSMUSG00000007570.17,Fance,protein_coding	0.1638134	0.5410604
ENSMUSG00000034168.8,Irf2bpl,protein_coding	0.16378652	0.2443121
ENSMUSG00000034265.9,Zdhhc14,protein_coding	0.16378457	0.2710905
ENSMUSG00000020654.16,Adcy3,protein_coding	0.16372023	0.4912303
ENSMUSG00000101795.3,Gm5835,processed_pseudogene	0.16370995	0.7633492
ENSMUSG00000059336.15,Slc14a1,protein_coding	0.16370525	0.4412401
ENSMUSG00000017009.4,Sdc4,protein_coding	0.16367641	0.4435437
ENSMUSG00000144135.1,ENSMUSG00000144135,lncRNA	0.16358359	0.6066613
ENSMUSG00000078876.12,Gm14408,protein_coding	0.16357585	0.5158339
ENSMUSG00000032946.17,Rasgrp2,protein_coding	0.16341883	0.641717
ENSMUSG00000021061.16,Sptb,protein_coding	0.16331137	0.377092
ENSMUSG00000031787.9,Katnb1,protein_coding	0.16325005	0.3590132
ENSMUSG00000037552.18,Plekhg2,protein_coding	0.16318993	0.6805567
ENSMUSG00000031822.21,Gse1,protein_coding	0.16317346	0.2925771
ENSMUSG00000031224.7,Magee2,protein_coding	0.16314635	0.6282252
ENSMUSG00000026608.14,Kctd3,protein_coding	0.16314217	0.1429175
ENSMUSG00000029723.17,Tsc22d4,protein_coding	0.16312505	0.3382546
ENSMUSG00000109139.2,Gm44798,TEC	0.16311905	0.4121971
ENSMUSG00000138303.1,ENSMUSG00000138303,lncRNA	0.16306506	0.9040562
ENSMUSG00000038540.15,Tmc3,protein_coding	0.16299449	0.9092306
ENSMUSG00000108042.2,B130021K23Rik,TEC	0.16294049	0.4546159
ENSMUSG00000031374.14,Zfp92,protein_coding	0.16293613	0.6715045
ENSMUSG00000007646.14,Rad51c,protein_coding	0.16277317	0.5140603
ENSMUSG00000027293.14,Ehd4,protein_coding	0.16263652	0.5559169
ENSMUSG00000053475.6,Tnfaip6,protein_coding	0.16258166	0.6083858
ENSMUSG00000063382.7,Bcl9l,protein_coding	0.16250397	0.3229629
ENSMUSG00000052188.7,Gm14964,lncRNA	0.16238928	0.6954027
ENSMUSG00000039959.14,Hip1,protein_coding	0.16233748	0.1779592
ENSMUSG00000024402.6,Lta,protein_coding	0.1623219	0.8666876
ENSMUSG00000035473.11,Galm,protein_coding	0.16231561	0.6391602
ENSMUSG00000107364.2,Gm43051,TEC	0.16226125	0.429117
ENSMUSG00000112592.2,Gm19972,TEC	0.16225618	0.648089
ENSMUSG00000084845.11,Tmem240,protein_coding	0.16224402	0.4773896
ENSMUSG00000105586.2,Gm43009,TEC	0.16218833	0.4773057
ENSMUSG00000130597.1,ENSMUSG00000130597,lncRNA	0.16215023	0.6358903
ENSMUSG00000117333.2,Gm16386,transcribed_processed_pseudogene	0.16214779	0.6776163
ENSMUSG00000121489.2,ENSMUSG00000121489,lncRNA	0.16206629	0.5316467
ENSMUSG00000104402.2,Gm38012,TEC	0.16190179	0.679291
ENSMUSG00000107002.2,Ncbp2as2,protein_coding	0.16185681	0.3086922
ENSMUSG00000031371.15,Haus7,protein_coding	0.1618378	0.5776634
ENSMUSG00000046605.15,B3gntl1,protein_coding	0.16181622	0.4026466
ENSMUSG00000120219.2,Gm56637,lncRNA	0.1618124	0.5996641

ENSMUSG00000107529.2,Gm44291,TEC	0.16178414	0.5378434
ENSMUSG00000025188.16,Hps1,protein_coding	0.16172929	0.5521869
ENSMUSG00000040795.13,Iqcc,protein_coding	0.16168818	0.3383607
ENSMUSG00000018648.16,Dusp14,protein_coding	0.16158498	0.5473645
ENSMUSG00000023019.13,Gpd1,protein_coding	0.16157541	0.3945585
ENSMUSG00000034035.19,Ccdc17,protein_coding	0.16153005	0.7230669
ENSMUSG00000127259.1,ENSMUSG00000127259,lncRNA	0.16150825	0.9032957
ENSMUSG00000011158.9,Brf1,protein_coding	0.16146257	0.2305663
ENSMUSG00000119968.2,D530017H19Rik,lncRNA	0.16141769	0.518956
ENSMUSG00000026857.10,Ntmt1,protein_coding	0.16141211	0.4486873
ENSMUSG00000141119.1,ENSMUSG00000141119,lncRNA	0.16137201	0.7028038
ENSMUSG00000032353.10,Tmed3,protein_coding	0.16130222	0.4726832
ENSMUSG00000022614.9,Lmf2,protein_coding	0.16126478	0.5499755
ENSMUSG00000030990.19,Pgap2,protein_coding	0.1612553	0.2808694
ENSMUSG00000106048.2,Gm42444,TEC	0.16124439	0.6459221
ENSMUSG00000002814.16,Top3a,protein_coding	0.16124221	0.5972254
ENSMUSG00000031609.4,Sap30,protein_coding	0.16114913	0.6104717
ENSMUSG00000105741.2,Lmbr1,TEC	0.16102644	0.4392525
ENSMUSG00000044037.16,Als2cl,protein_coding	0.16095245	0.4652214
ENSMUSG00000032456.14,Nmnat3,protein_coding	0.16094602	0.7483356
ENSMUSG00000121250.1,Gm57462,lncRNA	0.16088632	0.6900878
ENSMUSG00000117671.3,Gm50128,lncRNA	0.16082873	0.6631518
ENSMUSG00000022421.22,Nptxr,protein_coding	0.16070606	0.5600607
ENSMUSG00000059689.16,Zfp637,protein_coding	0.1606292	0.411787
ENSMUSG00000120596.2,Gm57203,lncRNA	0.16061405	0.7771489
ENSMUSG00000029552.20,Tes,protein_coding	0.16054778	0.7954402
ENSMUSG00000109157.2,Gm44829,TEC	0.16053118	0.7433399
ENSMUSG00000003348.11,Mob3a,protein_coding	0.16052118	0.5185154
ENSMUSG00000001313.13,Rnd2,protein_coding	0.16044854	0.4818429
ENSMUSG00000072872.4,Rybp,protein_coding	0.16044606	0.2741792
ENSMUSG00000097983.2,Gm26971,lncRNA	0.16034017	0.5808567
ENSMUSG00000055013.17,Agap1,protein_coding	0.16023541	0.2638508
ENSMUSG00000051146.4,Camk2n2,protein_coding	0.16018653	0.5455747
ENSMUSG00000032086.13,Bace1,protein_coding	0.16009902	0.2643385
ENSMUSG00000020953.18,Coch,protein_coding	0.15995965	0.7035703
ENSMUSG00000097787.5,Sgms1os1,lncRNA	0.15992072	0.5227108
ENSMUSG00000120183.2,1700085D22Rik,lncRNA	0.15991037	0.3452916
ENSMUSG00000049872.9,Calhm5,protein_coding	0.15990012	0.620089
ENSMUSG00000081476.2,Itpa-ps1,processed_pseudogene	0.1598418	0.6823138
ENSMUSG00000097177.10,9330159M07Rik,lncRNA	0.15981442	0.5384618
ENSMUSG00000086745.3,Tspan2os,lncRNA	0.15981073	0.6959388
ENSMUSG00000000805.19,Car4,protein_coding	0.15980321	0.636589
ENSMUSG00000029162.16,Khk,protein_coding	0.15975834	0.5715651
ENSMUSG00000123149.1,ENSMUSG00000123149,lncRNA	0.1597568	0.8769858
ENSMUSG00000026271.16,Gpr35,protein_coding	0.15967514	0.8627262
ENSMUSG00000052926.17,Rnaseh2a,protein_coding	0.15959184	0.386794
ENSMUSG00000024887.11,Asah2,protein_coding	0.15957605	0.5046678
ENSMUSG00000038646.14,Ramac,protein_coding	0.15952749	0.4220925
ENSMUSG00000040860.17,Crocc,protein_coding	0.15950486	0.5944803
ENSMUSG00000085084.10,4930570G19Rik,lncRNA	0.15948847	0.4319841
ENSMUSG00000136721.1,ENSMUSG00000136721,lncRNA	0.15948666	0.8753447
ENSMUSG00000053024.15,Cntn2,protein_coding	0.159444	0.3810318

ENSMUSG00000023034.8,Nr4a1,protein_coding	0.15944017	0.6236476
ENSMUSG00000029862.17,Clcn1,protein_coding	0.15943155	0.5766177
ENSMUSG00000045314.6,Sowahb,protein_coding	0.15942361	0.5026151
ENSMUSG00000137557.1,ENSMUSG00000137557,lncRNA	0.15937216	0.6511052
ENSMUSG00000049288.5,Lix1l,protein_coding	0.15931598	0.2530586
ENSMUSG00000041120.7,Nbl1,protein_coding	0.15929778	0.4236148
ENSMUSG00000073988.14,Ttpa,protein_coding	0.15923303	0.690796
ENSMUSG00000103255.2,Pcdhac1,protein_coding	0.15922296	0.4617538
ENSMUSG00000040043.18,Rbms2,protein_coding	0.15922192	0.4986104
ENSMUSG00000024955.16,Esrra,protein_coding	0.15915446	0.2820632
ENSMUSG00000042380.9,Smim12,protein_coding	0.15911617	0.4634462
ENSMUSG00000050271.13,Prag1,protein_coding	0.15906625	0.4254445
ENSMUSG00000120826.2,Gm57409,lncRNA	0.15905548	0.371916
ENSMUSG00000108940.2,Gm45719,TEC	0.15903732	0.471832
ENSMUSG00000105990.2,Gm43307,TEC	0.15901985	0.6494055
ENSMUSG00000087642.4,Ighe,IG_C_gene	0.15899233	0.9449733
ENSMUSG00000061979.9,Rcc1l,protein_coding	0.15893223	0.3588726
ENSMUSG00000053214.9,Gm9899,lncRNA	0.15888946	0.4795514
ENSMUSG00000068329.13,Htra2,protein_coding	0.15880092	0.4094991
ENSMUSG00000027465.14,Tbc1d20,protein_coding	0.15879525	0.2110543
ENSMUSG00000141534.1,ENSMUSG00000141534,lncRNA	0.15872254	0.712661
ENSMUSG00000118401.2,Gpr52,protein_coding	0.15871284	0.6061729
ENSMUSG00000029512.12,Ulk1,protein_coding	0.15870722	0.2487424
ENSMUSG00000019027.9,Dnah1,protein_coding	0.15869296	0.6507447
ENSMUSG00000043445.8,Pgp,protein_coding	0.1585739	0.2199846
ENSMUSG00000108195.2,Gm44415,TEC	0.15857027	0.7637819
ENSMUSG00000001467.6,Cyp51,protein_coding	0.15855409	0.2766202
ENSMUSG00000143523.1,ENSMUSG00000143523,lncRNA	0.15850987	0.6925507
ENSMUSG00000141942.1,ENSMUSG00000141942,lncRNA	0.15847756	0.6238048
ENSMUSG00000118668.1,Rps6ka4,protein_coding	0.15845773	0.4508108
ENSMUSG00000029419.9,Ajm1,protein_coding	0.15844336	0.4496351
ENSMUSG00000041729.16,Coro2b,protein_coding	0.15840824	0.3181805
ENSMUSG00000066705.8,Fxyd6,protein_coding	0.15835	0.5205016
ENSMUSG00000139989.1,ENSMUSG00000139989,lncRNA	0.15828619	0.3600292
ENSMUSG00000088689.3,Scarna17,scaRNA	0.15828565	0.5647844
ENSMUSG00000041219.16,Arhgap11a,protein_coding	0.15814679	0.8817896
ENSMUSG00000024411.12,Aqp4,protein_coding	0.15812321	0.5658339
ENSMUSG00000097342.3,Gm26618,lncRNA	0.15811173	0.4287488
ENSMUSG00000035805.14,Mlc1,protein_coding	0.15808938	0.342264
ENSMUSG00000021360.17,Gcnt2,protein_coding	0.15806337	0.6301865
ENSMUSG00000015942.10,Gtf2ird2,protein_coding	0.15806217	0.2778118
ENSMUSG00000046318.17,Ccbe1,protein_coding	0.15805696	0.6324055
ENSMUSG00000135122.1,ENSMUSG00000135122,lncRNA	0.15805384	0.8154857
ENSMUSG00000003166.21,Dgcr2,protein_coding	0.15804953	0.2956565
ENSMUSG00000112295.2,Gm47017,TEC	0.15801505	0.6302043
ENSMUSG00000114835.2,Gm48194,lncRNA	0.15799802	0.7337713
ENSMUSG00000132590.1,ENSMUSG00000132590,lncRNA	0.15799779	0.6904919
ENSMUSG00000107436.2,Gm44416,TEC	0.15797036	0.5845858
ENSMUSG00000041130.11,Zfp598,protein_coding	0.15787735	0.3662484
ENSMUSG00000144193.1,ENSMUSG00000144193,lncRNA	0.15786948	0.6254615
ENSMUSG00000030584.15,Dpf1,protein_coding	0.1578393	0.5192396
ENSMUSG00000097623.10,B230323A14Rik,lncRNA	0.1578137	0.7583852

ENSMUSG00000033306.16,Lpp,protein_coding	0.1577555	0.66764
ENSMUSG00000002781.20,Tmem143,protein_coding	0.15774253	0.3580432
ENSMUSG00000103703.3,Gm42568,TEC	0.15773118	0.6318025
ENSMUSG00000048200.13,Cracr2b,protein_coding	0.15772588	0.7385661
ENSMUSG00000140106.1,ENSMUSG00000140106,lncRNA	0.15765825	0.7386429
ENSMUSG00000102401.2,Gm37864,lncRNA	0.15751072	0.5842004
ENSMUSG00000117775.2,Gm50462,lncRNA	0.15745828	0.4797899
ENSMUSG00000103585.2,Pcdhgb4,protein_coding	0.15743565	0.5331154
ENSMUSG00000036002.13,Atosb,protein_coding	0.15742493	0.3695171
ENSMUSG00000040563.14,Plppr2,protein_coding	0.15742251	0.5406607
ENSMUSG00000005447.13,Pafah1b3,protein_coding	0.15739823	0.793369
ENSMUSG00000086311.2,Lncucc1,lncRNA	0.15736148	0.753047
ENSMUSG00000031546.7,Gins4,protein_coding	0.15733712	0.2744823
ENSMUSG00002076161.1,Rn7sk,misc_RNA	0.15732325	0.2265919
ENSMUSG00000070808.5,Bicra,protein_coding	0.15719414	0.4009604
ENSMUSG00000104063.2,Pcdhgb7,protein_coding	0.15718712	0.5154569
ENSMUSG00000073609.10,D2hgdh,protein_coding	0.15717623	0.4004517
ENSMUSG00000114148.2,Gm47701,lncRNA	0.15709157	0.5433105
ENSMUSG00000102945.2,Gm37884,TEC	0.15708758	0.7495962
ENSMUSG00000030403.10,Vasp,protein_coding	0.15700548	0.7785645
ENSMUSG00000038178.17,Slc43a2,protein_coding	0.15696947	0.3425697
ENSMUSG00000046169.11,Adamts6,protein_coding	0.15681521	0.4982608
ENSMUSG00000035186.7,Ubd,protein_coding	0.15674001	0.9681288
ENSMUSG00000097885.9,5031434O11Rik,lncRNA	0.15673861	0.4885192
ENSMUSG00000138091.1,ENSMUSG00000138091,lncRNA	0.15671399	0.655309
ENSMUSG00000104488.2,Gm38062,TEC	0.1567074	0.5269383
ENSMUSG00000128324.1,ENSMUSG00000128324,lncRNA	0.15661498	0.6695695
ENSMUSG00000109780.3,Gm45447,lncRNA	0.15660771	0.6218367
ENSMUSG00000006356.11,Crip2,protein_coding	0.15660695	0.580774
ENSMUSG00000109057.2,Gm44741,TEC	0.1566012	0.6602635
ENSMUSG00000106867.2,Gm43800,TEC	0.1565383	0.5815811
ENSMUSG00000011751.18,Sptbn4,protein_coding	0.15646991	0.4705295
ENSMUSG00000115184.2,Gm49197,TEC	0.15646725	0.6692243
ENSMUSG00000054893.16,Zfp667,protein_coding	0.15643338	0.2779545
ENSMUSG00000040158.13,Tax1bp3,protein_coding	0.15641195	0.5244059
ENSMUSG00000073700.4,Klhl21,protein_coding	0.15639908	0.3176149
ENSMUSG00000024772.10,Ehd1,protein_coding	0.15632127	0.3959441
ENSMUSG00000110246.4,C130073E24Rik,lncRNA	0.15625362	0.5709346
ENSMUSG00000114970.2,Gm49069,TEC	0.15625206	0.6943254
ENSMUSG00000105502.2,Gm42536,TEC	0.15623833	0.7455716
ENSMUSG00000023495.14,Pcbp4,protein_coding	0.15619813	0.4160525
ENSMUSG00000029456.13,Acad10,protein_coding	0.15618935	0.518215
ENSMUSG00000055045.7,Gm11190,lncRNA	0.15607581	0.7818494
ENSMUSG00000106691.2,2700029L08Rik,TEC	0.15601654	0.624709
ENSMUSG00000107442.2,Gm43881,TEC	0.15599125	0.6407526
ENSMUSG00000028700.15,Pomgnt1,protein_coding	0.15597685	0.367572
ENSMUSG00000119996.2,Gm57286,lncRNA	0.15597627	0.5233613
ENSMUSG00000030145.15,Zfp248,protein_coding	0.1559309	0.3418969
ENSMUSG00000116590.3,Gm53028,lncRNA	0.15589227	0.7373874
ENSMUSG00000022483.18,Col2a1,protein_coding	0.15585512	0.7129296
ENSMUSG00000029049.15,Morn1,protein_coding	0.15583305	0.3044596
ENSMUSG00000075703.17,Selenoi,protein_coding	0.15577055	0.1339765

ENSMUSG00000103630.2,Gm37242,TEC	0.15566302	0.5190583
ENSMUSG00000086859.7,Snhg20,lncRNA	0.15565071	0.3554058
ENSMUSG00000059401.15,Mamld1,protein_coding	0.1555503	0.3069866
ENSMUSG00000135400.1,ENSMUSG00000135400,lncRNA	0.15542436	0.7030218
ENSMUSG00000079414.7,Gm11110,lncRNA	0.15539986	0.670707
ENSMUSG00000105643.2,Gm42611,TEC	0.15532254	0.5540982
ENSMUSG00000019428.17,Fkbp8,protein_coding	0.1552237	0.4470185
ENSMUSG00000109336.3,Samd4b,protein_coding	0.15510604	0.266133
ENSMUSG00000014813.10,Stc1,protein_coding	0.15499766	0.5311014
ENSMUSG00000125995.1,ENSMUSG00000125995,lncRNA	0.15495115	0.937009
ENSMUSG00000098132.2,Rassf10,protein_coding	0.15492986	0.733386
ENSMUSG00000038215.16,Cep44,protein_coding	0.15490014	0.5560667
ENSMUSG00000104687.2,Gm42899,TEC	0.15487033	0.6934889
ENSMUSG00000031847.9,1700030J22Rik,protein_coding	0.15480963	0.6115209
ENSMUSG00000032306.15,Mpi,protein_coding	0.15469112	0.362012
ENSMUSG00000026858.19,Miga2,protein_coding	0.15468231	0.3964004
ENSMUSG00000019659.9,Ccdc12,protein_coding	0.15465854	0.4339038
ENSMUSG00000127917.1,ENSMUSG00000127917,lncRNA	0.15463142	0.4649887
ENSMUSG00000128633.1,ENSMUSG00000128633,lncRNA	0.15462764	0.8474006
ENSMUSG00000102432.3,Gm29856,lncRNA	0.15459594	0.8228949
ENSMUSG00000032352.17,Lrrc1,protein_coding	0.15459352	0.3482452
ENSMUSG00000112948.2,Gm48871,TEC	0.15446861	0.5122393
ENSMUSG00000032840.8,Spring1,protein_coding	0.15446211	0.2081906
ENSMUSG00000034957.11,Cebpa,protein_coding	0.15439605	0.6311042
ENSMUSG00000031497.11,Tnfsf13b,protein_coding	0.15439438	0.6858132
ENSMUSG00000037353.10,Letmd1,protein_coding	0.1543887	0.248009
ENSMUSG00000020534.15,Shmt1,protein_coding	0.15437947	0.8925341
ENSMUSG00000004748.6,Mtfp1,protein_coding	0.15434693	0.5951366
ENSMUSG00000062075.14,Lmnb2,protein_coding	0.15434581	0.3196997
ENSMUSG00000019737.15,Syne4,protein_coding	0.15434331	0.6967702
ENSMUSG00000038957.14,Edc3,protein_coding	0.15434089	0.2364306
ENSMUSG00000019989.9,Enpp3,protein_coding	0.15432029	0.801202
ENSMUSG00000047030.16,Spata2,protein_coding	0.15426768	0.2963121
ENSMUSG00000104696.2,Gm42946,TEC	0.15424968	0.5858366
ENSMUSG00000109652.2,Gm45555,TEC	0.15423201	0.5941608
ENSMUSG00000106092.2,Gm43072,TEC	0.15422164	0.5260951
ENSMUSG00000028952.13,Zbtb48,protein_coding	0.15413394	0.5155286
ENSMUSG00000050394.15,Armcx6,protein_coding	0.15412869	0.5863183
ENSMUSG00000040061.18,Plcb2,protein_coding	0.15406682	0.7631926
ENSMUSG00000107586.2,Gm44283,TEC	0.15404798	0.6322099
ENSMUSG00000038400.17,Pmepa1,protein_coding	0.15404284	0.3973379
ENSMUSG00000031951.9,Tmem231,protein_coding	0.15389782	0.3309826
ENSMUSG00000107470.3,Gm3375,processed_pseudogene	0.1538811	0.557467
ENSMUSG00000002820.7,Atg4d,protein_coding	0.15384206	0.336206
ENSMUSG00000132601.1,ENSMUSG00000132601,lncRNA	0.15379895	0.8380928
ENSMUSG00000035513.21,Ntng2,protein_coding	0.15376687	0.5759213
ENSMUSG00000041629.8,Vcf1,protein_coding	0.15373336	0.2565882
ENSMUSG00000028796.18,Phc2,protein_coding	0.15370661	0.2305888
ENSMUSG00000093452.6,Zfhx2os,lncRNA	0.15368893	0.6189966
ENSMUSG00000140205.1,ENSMUSG00000140205,lncRNA	0.15366931	0.815834
ENSMUSG00000041607.18,Mbp,protein_coding	0.15363339	0.3913899
ENSMUSG00000022756.18,Slc7a4,protein_coding	0.1535828	0.5892684

ENSMUSG00000037339.18,Fam53a,protein_coding	0.15357363	0.2738633
ENSMUSG00000030854.18,Ptpn5,protein_coding	0.15342985	0.6535651
ENSMUSG00000103252.2,Gm37521,TEC	0.15342754	0.5350958
ENSMUSG00000120983.1,Gm57006,lncRNA	0.15323767	0.6780925
ENSMUSG00000044982.8,Sft2d3,protein_coding	0.153187	0.5553121
ENSMUSG00000047746.15,Fbxo40,protein_coding	0.15308367	0.764242
ENSMUSG00000039069.20,Mtg2,protein_coding	0.15304213	0.3285771
ENSMUSG00000038517.16,Tbkbp1,protein_coding	0.15300686	0.442417
ENSMUSG00000023087.17,Noct,protein_coding	0.15288492	0.2532899
ENSMUSG00000050192.9,Eif5a2,protein_coding	0.15285377	0.4400751
ENSMUSG00000024369.17,Nelfe,protein_coding	0.15284301	0.4725609
ENSMUSG00000029778.13,Adcyap1r1,protein_coding	0.1528107	0.4247488
ENSMUSG00000025889.14,Snca,protein_coding	0.15280709	0.5562664
ENSMUSG00000099384.9,1700110C19Rik,lncRNA	0.15279799	0.5558474
ENSMUSG00000030084.13,Plxna1,protein_coding	0.15276732	0.3843434
ENSMUSG00000032897.18,Nfyc,protein_coding	0.1527315	0.1630592
ENSMUSG00000029061.3,Mmp23,protein_coding	0.15269561	0.7091249
ENSMUSG00000116946.4,Gm41442,lncRNA	0.15268875	0.6901451
ENSMUSG00000033427.15,Upb1,protein_coding	0.15268554	0.8329509
ENSMUSG00000028977.18,Casz1,protein_coding	0.15265695	0.7577547
ENSMUSG00000031169.14,Porcn,protein_coding	0.15259484	0.4745133
ENSMUSG00000031429.15,Psmd10,protein_coding	0.15250941	0.4051951
ENSMUSG00000105453.2,Gm43702,TEC	0.15242619	0.6587989
ENSMUSG00000022204.10,Ngdn,protein_coding	0.15242607	0.4558747
ENSMUSG00000024816.13,Frmd8,protein_coding	0.15239834	0.4802541
ENSMUSG00000066721.4,Zfp575,protein_coding	0.15236737	0.6078543
ENSMUSG00000112806.2,Gm48146,TEC	0.15235308	0.6305266
ENSMUSG00000107402.3,4732416N19Rik,TEC	0.15233719	0.5838938
ENSMUSG00000049107.14,Ntf3,protein_coding	0.15230285	0.8114377
ENSMUSG00000107383.2,Gm4366,processed_pseudogene	0.15228686	0.710367
ENSMUSG00000143026.1,ENSMUSG00000143026,lncRNA	0.15227772	0.7570064
ENSMUSG00000073680.3,Tmem88b,protein_coding	0.15216381	0.3620494
ENSMUSG00000028461.13,Ccdc107,protein_coding	0.15214976	0.3154679
ENSMUSG00000021611.10,Tert,protein_coding	0.15207859	0.7809965
ENSMUSG00000092569.5,Gm20544,lncRNA	0.15204549	0.5811776
ENSMUSG00000026179.15,Pnkd,protein_coding	0.15199086	0.4702838
ENSMUSG00000110316.2,Gm45311,lncRNA	0.15198811	0.5842477
ENSMUSG00000106596.2,Gm42822,TEC	0.15195612	0.6070486
ENSMUSG00000032855.7,Pkd1,protein_coding	0.15187557	0.301395
ENSMUSG00000086290.12,Snhg12,lncRNA	0.15174675	0.4642511
ENSMUSG00000035342.15,Lzts2,protein_coding	0.15173837	0.4350866
ENSMUSG00000108256.2,Gm43923,TEC	0.15171318	0.6544083
ENSMUSG00000054057.4,A930004D18Rik,lncRNA	0.15167376	0.5625356
ENSMUSG00000026354.9,Lct,protein_coding	0.1516295	0.7150515
ENSMUSG00000050240.17,Hic2,protein_coding	0.15162594	0.3296781
ENSMUSG00000110949.2,Nudt8,protein_coding	0.15161874	0.7597054
ENSMUSG00000037885.19,Stk35,protein_coding	0.1514672	0.2387266
ENSMUSG00002076174.1,Gm55763,misc_RNA	0.15131324	0.7825345
ENSMUSG00000025893.9,Kbtbd3,protein_coding	0.15130967	0.5005049
ENSMUSG00000058498.13,Rnf207,protein_coding	0.15130944	0.6408022
ENSMUSG00000039087.18,Rreb1,protein_coding	0.15125961	0.3945279
ENSMUSG00000033032.16,Afap1l1,protein_coding	0.1510619	0.5019827

ENSMUSG00000022763.19,Aifm3,protein_coding	0.15104625	0.4517308
ENSMUSG00000037730.14,Mynn,protein_coding	0.15102206	0.3458085
ENSMUSG00000102386.2,2900022M07Rik,TEC	0.15099922	0.6990686
ENSMUSG00000092384.10,Gm4189,lncRNA	0.15091556	0.6664703
ENSMUSG00000033985.18,Tesk2,protein_coding	0.15088504	0.4798605
ENSMUSG00000126665.1,ENSMUSG00000126665,lncRNA	0.1508619	0.7514088
ENSMUSG00000013495.16,Tmem175,protein_coding	0.15083685	0.1690851
ENSMUSG00000069631.15,Strada,protein_coding	0.15080902	0.3198561
ENSMUSG00000071714.8,Csf2rb2,protein_coding	0.15077368	0.8312149
ENSMUSG00000064816.3,Gm22357,snoRNA	0.15067499	0.7140686
ENSMUSG00000020275.10,Rel,protein_coding	0.15053814	0.7946414
ENSMUSG00000039960.6,Rhou,protein_coding	0.15052571	0.3459569
ENSMUSG00000010086.18,Rnf112,protein_coding	0.15051933	0.4830312
ENSMUSG00000074141.14,Il4i1,protein_coding	0.15049675	0.8753471
ENSMUSG00000107439.3,Gm45060,lncRNA	0.15048242	0.7730882
ENSMUSG00000031168.15,Ebp,protein_coding	0.15046629	0.4659665
ENSMUSG00000071855.6,Ccdc112,protein_coding	0.15041931	0.4882393
ENSMUSG00000106858.2,Gm43844,TEC	0.15028479	0.5706015
ENSMUSG00000044730.18,Airim,protein_coding	0.15020354	0.2579861
ENSMUSG00000110556.2,Gm45762,TEC	0.1500978	0.5190078
ENSMUSG00000034674.19,Tdg,protein_coding	0.14993848	0.3749397
ENSMUSG00000020525.18,Ppm1d,protein_coding	0.14992016	0.540404
ENSMUSG00000000296.9,Tpd52l1,protein_coding	0.14990653	0.6136708
ENSMUSG00000038459.11,Abhd17c,protein_coding	0.14983017	0.3013954
ENSMUSG00000079484.13,Phyhd1,protein_coding	0.14977203	0.630223
ENSMUSG00000097194.5,9330175E14Rik,lncRNA	0.14974884	0.9492713
ENSMUSG00000106202.2,Gm43727,lncRNA	0.14972653	0.7244485
ENSMUSG00000062202.15,Btbd9,protein_coding	0.14968526	0.2667971
ENSMUSG00000050908.13,Tvp23a,protein_coding	0.14955244	0.4736821
ENSMUSG00000028919.12,Arhgef19,protein_coding	0.14951913	0.5319335
ENSMUSG00000022146.13,Osmr,protein_coding	0.14949131	0.7142187
ENSMUSG00000073867.3,AA474408,TEC	0.14929172	0.5359437
ENSMUSG00000104761.2,Gm43511,TEC	0.14922023	0.614527
ENSMUSG00000024906.11,Mus81,protein_coding	0.14920637	0.4379754
ENSMUSG00000018765.7,Fxr2,protein_coding	0.14918	0.386147
ENSMUSG00000027583.14,Zbtb46,protein_coding	0.14917862	0.6190185
ENSMUSG00000105442.2,Gm42614,TEC	0.14911282	0.6624293
ENSMUSG00000109638.2,Gm45630,TEC	0.14901756	0.3613768
ENSMUSG00000046593.4,Tmem215,protein_coding	0.14895314	0.5855745
ENSMUSG00000024201.13,Kdm4b,protein_coding	0.14890224	0.3039618
ENSMUSG00000020472.15,Zkscan17,protein_coding	0.14890093	0.5113726
ENSMUSG00000037300.20,Ttc13,protein_coding	0.14889453	0.3474859
ENSMUSG00000028555.16,Ttc39a,protein_coding	0.1487535	0.6260542
ENSMUSG00000068735.15,Trp53i11,protein_coding	0.14871697	0.4295977
ENSMUSG00000121484.2,Serpina3h,lncRNA	0.14866899	0.8855722
ENSMUSG00000015745.10,Plekho1,protein_coding	0.14865682	0.3309427
ENSMUSG00000048251.16,Bcl11b,protein_coding	0.14860767	0.7113578
ENSMUSG00000033222.17,Ttf2,protein_coding	0.14855734	0.8403529
ENSMUSG00000031538.7,Plat,protein_coding	0.14853708	0.4377511
ENSMUSG00000109727.2,Gm45464,lncRNA	0.14840623	0.5967176
ENSMUSG00000085891.9,Gm14634,lncRNA	0.1483617	0.5532398
ENSMUSG00000031562.17,Dctd,protein_coding	0.14835149	0.6785675

ENSMUSG00000103159.2,F830112A20Rik,TEC	0.14834289	0.5051994
ENSMUSG00000125281.1,ENSMUSG00000125281,lncRNA	0.14833688	0.7275427
ENSMUSG00000121697.1,ENSMUSG00000121697,lncRNA	0.14832752	0.5889421
ENSMUSG00000053819.17,Camk2d,protein_coding	0.14827713	0.392375
ENSMUSG00000041309.18,Nkx6-2,protein_coding	0.1482724	0.6537795
ENSMUSG00000112820.2,Gm48298,TEC	0.14826499	0.7243754
ENSMUSG00000104343.2,5730408A14Rik,TEC	0.14826185	0.7221065
ENSMUSG00000029095.18,Ablim2,protein_coding	0.14822384	0.5955842
ENSMUSG00000105656.2,Gm43017,lncRNA	0.14816848	0.7043821
ENSMUSG00000026339.19,Ccdc93,protein_coding	0.14816114	0.2188246
ENSMUSG00000057967.13,Fgf18,protein_coding	0.14806723	0.7395434
ENSMUSG00000020023.19,Tmcc3,protein_coding	0.14804109	0.2597887
ENSMUSG00000027381.18,Bcl2l11,protein_coding	0.147794	0.8776852
ENSMUSG00000074457.11,S100a16,protein_coding	0.14777376	0.4476196
ENSMUSG00000106928.2,Gm43860,TEC	0.14775586	0.5956774
ENSMUSG00000006386.16,Tek,protein_coding	0.14775016	0.4633045
ENSMUSG00000078572.4,Ndufaf8,protein_coding	0.14774629	0.5172103
ENSMUSG00000064966.3,Snord15b,snoRNA	0.14763898	0.5253508
ENSMUSG00000055541.20,Lair1,protein_coding	0.14761917	0.5507132
ENSMUSG00000117130.2,Gm49802,lncRNA	0.14759959	0.6926338
ENSMUSG00000021133.10,Susd6,protein_coding	0.14753596	0.5107808
ENSMUSG00000108460.2,Gm39041,TEC	0.14750968	0.4697684
ENSMUSG00000099468.3,Gm28271,lncRNA	0.14742345	0.7938018
ENSMUSG00000120766.2,Gm57027,lncRNA	0.14735047	0.6806341
ENSMUSG00000085399.10,Foxd2os,lncRNA	0.14734586	0.895662
ENSMUSG00000118057.2,B020010K11Rik,lncRNA	0.14734537	0.6185745
ENSMUSG00000047875.7,Gpr157,protein_coding	0.14731079	0.6829936
ENSMUSG00000106560.2,Gm43119,TEC	0.14714332	0.690614
ENSMUSG00000075726.3,Gm23254,snoRNA	0.14712587	0.7255643
ENSMUSG00000063239.18,Grm4,protein_coding	0.14711207	0.7132932
ENSMUSG00000102950.2,Gm37018,TEC	0.14698961	0.4876233
ENSMUSG00000111539.2,Gm48372,TEC	0.14698921	0.7615521
ENSMUSG00000046219.10,C230012O17Rik,lncRNA	0.14694397	0.620725
ENSMUSG00000031605.9,Klhl2,protein_coding	0.14693544	0.4825715
ENSMUSG00000130346.1,ENSMUSG00000130346,lncRNA	0.14683695	0.7524608
ENSMUSG00000111421.2,Gm47643,TEC	0.14683131	0.8163014
ENSMUSG00000097558.3,Gm26902,lncRNA	0.14671552	0.7668483
ENSMUSG00000022385.12,Gtse1,protein_coding	0.14665705	0.8898457
ENSMUSG00000054453.12,Sytl5,protein_coding	0.14661818	0.7180721
ENSMUSG00000037358.7,Dipk2b,protein_coding	0.14661475	0.7082464
ENSMUSG00000056900.14,Usp13,protein_coding	0.14659144	0.4486943
ENSMUSG00000084885.9,3010001F23Rik,lncRNA	0.14658176	0.549419
ENSMUSG00000032715.10,Trib3,protein_coding	0.14653729	0.9362512
ENSMUSG00000028906.18,Epb41,protein_coding	0.14642874	0.5616824
ENSMUSG00000046668.10,Cxxc5,protein_coding	0.1463806	0.3200763
ENSMUSG00000024219.17,Anks1,protein_coding	0.14637849	0.2773693
ENSMUSG00000108980.3,Gm45155,lncRNA	0.14636554	0.8619635
ENSMUSG00000090035.4,Galnt4,protein_coding	0.14626623	0.5815683
ENSMUSG00000041329.14,Atp1b2,protein_coding	0.14621082	0.4590398
ENSMUSG00000017724.15,Etv4,protein_coding	0.14618644	0.4380352
ENSMUSG00000105526.2,Gm43490,TEC	0.14611335	0.6786443
ENSMUSG00000022217.15,Emc9,protein_coding	0.14611011	0.4494732

ENSMUSG00000020926.17,Adam11,protein_coding	0.14604166	0.4980513
ENSMUSG00000121780.2,ENSMUSG00000121780,lncRNA	0.14599214	0.5271115
ENSMUSG00000022436.17,Sh3bp1,protein_coding	0.14596853	0.4761545
ENSMUSG00000052293.15,Taf9,protein_coding	0.14592577	0.4872452
ENSMUSG00000040035.15,Disp2,protein_coding	0.14592257	0.5579399
ENSMUSG00000063632.7,Sox11,protein_coding	0.14589815	0.4593174
ENSMUSG00000035621.14,Midn,protein_coding	0.14588771	0.2680147
ENSMUSG00000112655.2,Gm48511,TEC	0.14588623	0.6186087
ENSMUSG00000042524.15,Sun2,protein_coding	0.14583947	0.2848332
ENSMUSG00000030188.13,Magohb,protein_coding	0.14576887	0.6496399
ENSMUSG00000030930.15,Chst15,protein_coding	0.14561905	0.3352226
ENSMUSG00000102062.3,Gm29246,lncRNA	0.1456077	0.6076139
ENSMUSG00000066687.6,Zbtb16,protein_coding	0.14553426	0.4966479
ENSMUSG00000027514.15,Zbp1,protein_coding	0.14552081	0.9402623
ENSMUSG00000129688.1,ENSMUSG00000129688,lncRNA	0.14532035	0.8070252
ENSMUSG00000056665.3,Them6,protein_coding	0.14528184	0.5052315
ENSMUSG00000022212.16,Cpne6,protein_coding	0.145216	0.6464574
ENSMUSG00000062380.5,Tubb3,protein_coding	0.14519389	0.6268928
ENSMUSG00000102302.2,Gm38190,lncRNA	0.14517777	0.4575697
ENSMUSG00000001419.18,Mef2d,protein_coding	0.14517166	0.3772109
ENSMUSG00000007659.19,Bcl2l1,protein_coding	0.1451461	0.5885073
ENSMUSG00000130384.1,ENSMUSG00000130384,lncRNA	0.14506821	0.8110752
ENSMUSG00000001750.17,Tcirg1,protein_coding	0.14502906	0.7269896
ENSMUSG00000039252.12,Lgi2,protein_coding	0.14501952	0.4516585
ENSMUSG00000018669.15,Cdk5rap3,protein_coding	0.14500371	0.4885783
ENSMUSG00000102267.2,9530003O04Rik,TEC	0.14483357	0.7580172
ENSMUSG00000075028.13,Prdm11,protein_coding	0.14480471	0.4659941
ENSMUSG00000002984.18,Tomm40,protein_coding	0.14478692	0.2850558
ENSMUSG00000107370.2,Gm43588,TEC	0.14473867	0.5918279
ENSMUSG00000025747.13,Tyms,protein_coding	0.14468994	0.831408
ENSMUSG00000106826.2,Gm42583,TEC	0.14466404	0.722422
ENSMUSG00000046523.6,Kctd4,protein_coding	0.14458495	0.5878277
ENSMUSG00000024843.16,Chka,protein_coding	0.14453463	0.4270623
ENSMUSG00000054594.14,Oscar,protein_coding	0.14446168	0.6515889
ENSMUSG00000037376.15,Trmt6,protein_coding	0.14440402	0.3852394
ENSMUSG00000027792.12,Bche,protein_coding	0.14439271	0.6284671
ENSMUSG00000057060.9,Slc35f3,protein_coding	0.14409852	0.4618626
ENSMUSG00000001054.10,Rmnd5b,protein_coding	0.14405525	0.3496623
ENSMUSG00000100309.2,Gm6644,processed_pseudogene	0.144048	0.8978989
ENSMUSG00000049985.16,Ankrd55,protein_coding	0.1440114	0.5834601
ENSMUSG00000068551.13,Zfp467,protein_coding	0.1439542	0.4651937
ENSMUSG00000116885.3,4930420G21Rik,lncRNA	0.14392362	0.6822214
ENSMUSG00000090546.3,Cdr1,lncRNA	0.14389131	0.6523354
ENSMUSG00000028854.10,Slc9a1,protein_coding	0.14382869	0.3957314
ENSMUSG00000020522.14,Mfap3,protein_coding	0.14381836	0.188151
ENSMUSG00000025020.12,Slit1,protein_coding	0.14381649	0.7015735
ENSMUSG00000041878.4,8430432A02Rik,lncRNA	0.14369983	0.7146917
ENSMUSG00000028385.15,Snx30,protein_coding	0.1436334	0.3014086
ENSMUSG00000085093.2,Gm12737,lncRNA	0.14359776	0.6624348
ENSMUSG00000021273.12,Fdft1,protein_coding	0.14356103	0.5257698
ENSMUSG00000032818.17,Loxhd1,protein_coding	0.14355386	0.8388723
ENSMUSG00000061374.15,Fiz1,protein_coding	0.14354632	0.3128145

ENSMUSG00000031557.17,Plekha2,protein_coding	0.14352494	0.7771109
ENSMUSG00000097587.5,4930578M01Rik,lncRNA	0.14351948	0.5121999
ENSMUSG00000121789.2,A230045G11Rik,lncRNA	0.14349384	0.3602948
ENSMUSG00000004473.11,Clec11a,protein_coding	0.14347574	0.6193633
ENSMUSG00000068959.7,Zfp619,protein_coding	0.14342719	0.4776597
ENSMUSG00000103041.3,Gm37305,lncRNA	0.1434195	0.4427472
ENSMUSG00000093402.2,Gm18588,processed_pseudogene	0.14340628	0.7334407
ENSMUSG00000052125.19,F730043M19Rik,lncRNA	0.14339523	0.4982409
ENSMUSG00000102764.2,Gm37183,TEC	0.14338359	0.5074251
ENSMUSG00000056738.14,A730036I17Rik,lncRNA	0.1433653	0.8089792
ENSMUSG00000138950.1,ENSMUSG00000138950,lncRNA	0.14334888	0.6952789
ENSMUSG00000123446.1,ENSMUSG00000123446,lncRNA	0.14325188	0.8157077
ENSMUSG00000038354.14,Ankrd35,protein_coding	0.14324342	0.6517399
ENSMUSG00000091735.3,Gpr62,protein_coding	0.14323778	0.372956
ENSMUSG00000035234.19,Abraxas1,protein_coding	0.14320627	0.6103737
ENSMUSG00000036555.15,Iqce,protein_coding	0.14320388	0.4116398
ENSMUSG00000102691.2,Gm37780,TEC	0.14318658	0.6484201
ENSMUSG00000054061.10,Gm9934,lncRNA	0.14318107	0.7533841
ENSMUSG00000120850.2,Gm56765,lncRNA	0.14318064	0.4372589
ENSMUSG00000061702.11,Tmem91,protein_coding	0.14317512	0.6942474
ENSMUSG00000051375.16,Pcdh1,protein_coding	0.14316327	0.5681911
ENSMUSG00000015476.7,Prrt1,protein_coding	0.14310608	0.4977459
ENSMUSG00000068794.8,Col28a1,protein_coding	0.14308213	0.7347404
ENSMUSG00000006442.11,Srm,protein_coding	0.14306493	0.3931428
ENSMUSG00000121879.2,Zfp862-ps,lncRNA	0.143054	0.3608742
ENSMUSG00000139789.1,ENSMUSG00000139789,lncRNA	0.14302929	0.6428495
ENSMUSG00000102565.2,Gm37036,TEC	0.14292916	0.647909
ENSMUSG00000015478.14,Rnf5,protein_coding	0.14282217	0.4473934
ENSMUSG00000063160.13,Numbl,protein_coding	0.14278516	0.5202183
ENSMUSG00000020684.15,Rasl10b,protein_coding	0.14269657	0.5980451
ENSMUSG00000104814.2,Gm42979,TEC	0.14269193	0.5516545
ENSMUSG00000001119.8,Col6a1,protein_coding	0.14267953	0.7180477
ENSMUSG00000068263.12,Efcc1,protein_coding	0.14266945	0.5813028
ENSMUSG00000039041.16,Adrm1,protein_coding	0.14264334	0.3962961
ENSMUSG00000115837.2,9130002K18Rik,TEC	0.14261724	0.6589007
ENSMUSG00000028434.13,Epb41l4b,protein_coding	0.14260738	0.434344
ENSMUSG00000029359.14,Tesc,protein_coding	0.14256159	0.487569
ENSMUSG00000029551.14,Psmg3,protein_coding	0.14243575	0.5663035
ENSMUSG00000024927.9,Rela,protein_coding	0.14242816	0.5627671
ENSMUSG00000044562.13,Rasip1,protein_coding	0.14239842	0.637229
ENSMUSG00000003072.16,Atp5f1d,protein_coding	0.14236109	0.4584807
ENSMUSG00000038895.17,Zfp653,protein_coding	0.142358	0.4891231
ENSMUSG00000040138.8,Ndp,protein_coding	0.14234842	0.5468981
ENSMUSG00000121053.2,Gm56593,lncRNA	0.14230789	0.558229
ENSMUSG00000025997.14,Ikzf2,protein_coding	0.1422689	0.6021181
ENSMUSG00000027520.17,Zdbf2,protein_coding	0.14226596	0.5957629
ENSMUSG00000006058.11,Snf8,protein_coding	0.14226486	0.4775357
ENSMUSG00000021102.5,Glrx5,protein_coding	0.1421596	0.4541809
ENSMUSG00000059659.10,Gm10069,lncRNA	0.14209542	0.642236
ENSMUSG00000106320.2,Gm42992,TEC	0.14208539	0.6459292
ENSMUSG00000085776.11,5430402O13Rik,lncRNA	0.14198632	0.5402722
ENSMUSG00000034259.9,Exosc4,protein_coding	0.14194957	0.476879

ENSMUSG00000038375.16,Trp53inp2,protein_coding	0.1419051	0.3135387
ENSMUSG00000113840.2,Gm18955,processed_pseudogene	0.14188722	0.7633415
ENSMUSG00000008393.10,Carhsp1,protein_coding	0.14186726	0.368279
ENSMUSG00000033124.17,Atg9a,protein_coding	0.14185265	0.4868922
ENSMUSG00000084887.3,Gm11749,lncRNA	0.14181769	0.6628786
ENSMUSG00000106714.2,Gm42546,TEC	0.14173216	0.7728236
ENSMUSG00000105720.2,Gm42440,TEC	0.14169789	0.6232327
ENSMUSG00000042292.19,Mrtfa,protein_coding	0.14165115	0.4589416
ENSMUSG00000102157.2,Gm37470,TEC	0.14164244	0.6202824
ENSMUSG00000039519.7,Cyp7b1,protein_coding	0.1416376	0.5429902
ENSMUSG00000020691.14,Mettl2,protein_coding	0.14163203	0.4489081
ENSMUSG00000051184.8,Zfp524,protein_coding	0.14161485	0.6693826
ENSMUSG00000113610.2,Gm47132,TEC	0.14159125	0.5857868
ENSMUSG00000032911.7,Cspg4,protein_coding	0.14156966	0.4865492
ENSMUSG00000121182.1,Gm56739,lncRNA	0.14151469	0.6272866
ENSMUSG00000021892.15,Sh3bp5,protein_coding	0.14150499	0.3746454
ENSMUSG00000002346.18,Slc25a42,protein_coding	0.14141626	0.495963
ENSMUSG00000020758.16,Itgb4,protein_coding	0.14138083	0.5444632
ENSMUSG00000031783.11,Polr2c,protein_coding	0.1413457	0.4169126
ENSMUSG00000025375.16,Aatk,protein_coding	0.14132773	0.4064805
ENSMUSG00000102153.2,Gm37474,TEC	0.14132017	0.7609867
ENSMUSG00000045912.10,C2cd4c,protein_coding	0.14127183	0.6777927
ENSMUSG00000113949.2,Scamp4,protein_coding	0.1412562	0.4193423
ENSMUSG00000025207.17,Sema4g,protein_coding	0.14124026	0.5342905
ENSMUSG00000073295.5,Nudt11,protein_coding	0.1412364	0.454828
ENSMUSG00000060636.15,Rpl35a,protein_coding	0.14120101	0.6565461
ENSMUSG00000064348.1,mt-Tn,Mt_tRNA	0.1411936	0.753043
ENSMUSG00000097750.3,Gm4673,lncRNA	0.14118052	0.4832612
ENSMUSG00000001211.16,Agpat3,protein_coding	0.14107161	0.2450889
ENSMUSG00000120939.1,Gm57044,lncRNA	0.14106415	0.815108
ENSMUSG00000044708.6,Kcnj10,protein_coding	0.14105553	0.3857566
ENSMUSG00000038342.16,Mlxip,protein_coding	0.14096619	0.2861637
ENSMUSG00000119446.1,Gm25121,snoRNA	0.1409128	0.7834905
ENSMUSG00000028447.12,Dctn3,protein_coding	0.14091201	0.5803951
ENSMUSG00000096916.8,Zfp850,protein_coding	0.14089698	0.6010437
ENSMUSG00000118619.2,Gm53041,unitary_pseudogene	0.14085385	0.5950018
ENSMUSG00000036699.13,Zcchc12,protein_coding	0.14078724	0.7275436
ENSMUSG00000063849.7,Ppcdc,protein_coding	0.14075546	0.6231052
ENSMUSG00000029468.18,P2rx7,protein_coding	0.14074297	0.5406172
ENSMUSG00000106993.2,Gm43417,TEC	0.14071501	0.5205121
ENSMUSG00000019577.7,Pdk4,protein_coding	0.14062021	0.5872762
ENSMUSG00000037415.8,Ranbp10,protein_coding	0.14058863	0.2306999
ENSMUSG00000029994.18,Anxa4,protein_coding	0.14050161	0.7702511
ENSMUSG00000017897.19,Eya2,protein_coding	0.14049135	0.6017074
ENSMUSG00000043313.7,Pcdhb19,protein_coding	0.14047363	0.5348977
ENSMUSG00000015451.18,C4a,protein_coding	0.14035648	0.7869196
ENSMUSG00000028318.15,Polr1e,protein_coding	0.14033645	0.6553441
ENSMUSG00000038967.14,Pdk2,protein_coding	0.14031766	0.4904703
ENSMUSG00000098202.3,B830012L14Rik,lncRNA	0.1401817	0.557573
ENSMUSG00000077611.3,Gm23946,snoRNA	0.14013443	0.5909589
ENSMUSG00000105981.2,2810428J06Rik,TEC	0.14011016	0.6181113
ENSMUSG00000037979.14,Ccdc92,protein_coding	0.14002372	0.4535733

ENSMUSG00000027827.18,Kcnab1,protein_coding	0.13999398	0.5439631
ENSMUSG00000041765.7,Ubac2,protein_coding	0.13994126	0.305458
ENSMUSG00000039286.13,Fndc3b,protein_coding	0.13992601	0.3972055
ENSMUSG00000039345.17,Mettl22,protein_coding	0.13992279	0.4252619
ENSMUSG00000020658.11,Efr3b,protein_coding	0.13991956	0.2990852
ENSMUSG00000073434.13,Wdr90,protein_coding	0.13989929	0.4045125
ENSMUSG00000025178.10,Pi4k2a,protein_coding	0.13989486	0.2687931
ENSMUSG00000102545.3,6430573P05Rik,lncRNA	0.13984683	0.7119913
ENSMUSG00000032590.15,Apeh,protein_coding	0.13972963	0.5397648
ENSMUSG00000030530.16,Furin,protein_coding	0.13961559	0.3802132
ENSMUSG00000051098.7,Mblac2,protein_coding	0.13958845	0.5404489
ENSMUSG00000036636.11,Clcn7,protein_coding	0.13954566	0.3409978
ENSMUSG00000034247.10,Plekhm1,protein_coding	0.13952165	0.3842604
ENSMUSG00000144159.1,ENSMUSG00000144159,lncRNA	0.13951134	0.7442462
ENSMUSG00000077323.3,Rnu11,snRNA	0.13949123	0.6934076
ENSMUSG00000038593.19,Tctn1,protein_coding	0.13946066	0.4986009
ENSMUSG00000058709.12,Egln2,protein_coding	0.1393443	0.4476985
ENSMUSG00000024292.16,Cyp4f14,protein_coding	0.13933157	0.5821949
ENSMUSG00000018593.14,Sparc,protein_coding	0.13927172	0.6144017
ENSMUSG00000127806.1,ENSMUSG00000127806,lncRNA	0.13925603	0.7889607
ENSMUSG00000035370.10,Gm49322,protein_coding	0.13925076	0.6174184
ENSMUSG00000041354.17,Rgl2,protein_coding	0.13923429	0.5040544
ENSMUSG00000021975.10,Ints9,protein_coding	0.13917295	0.3737162
ENSMUSG00000029199.12,Lias,protein_coding	0.13915519	0.2906772
ENSMUSG00000099843.4,Gm7160,lncRNA	0.13914855	0.6356168
ENSMUSG00000097626.8,4921504A21Rik,lncRNA	0.13913291	0.4646452
ENSMUSG00000020135.14,Apc2,protein_coding	0.13912624	0.5045338
ENSMUSG00000006850.9,Tmco6,protein_coding	0.13906195	0.5695711
ENSMUSG00000104973.3,A530041M06Rik,lncRNA	0.13901465	0.5520415
ENSMUSG00000049649.9,Gpr3,protein_coding	0.13898194	0.6686415
ENSMUSG00000036800.9,Fam135b,protein_coding	0.1389609	0.4564361
ENSMUSG00000037112.17,Sik2,protein_coding	0.13894818	0.3980325
ENSMUSG00000019906.16,Lin7a,protein_coding	0.13894393	0.6248636
ENSMUSG00000058881.14,Zfp516,protein_coding	0.13892736	0.4274076
ENSMUSG00000024378.10,Stard4,protein_coding	0.13890282	0.3704093
ENSMUSG00000005413.9,Hmox1,protein_coding	0.13886704	0.8357679
ENSMUSG00000027796.3,Smad9,protein_coding	0.13879046	0.3999636
ENSMUSG00000110331.2,Nudc-ps1,processed_pseudogene	0.1387875	0.7155574
ENSMUSG00000022577.19,Ly6h,protein_coding	0.13872953	0.6388832
ENSMUSG00000093465.2,Gm20682,lncRNA	0.13870934	0.6309199
ENSMUSG00000025491.15,Ifitm1,protein_coding	0.13866975	0.8429844
ENSMUSG00000025790.15,Slco3a1,protein_coding	0.13866122	0.2300699
ENSMUSG00000088025.3,Rprl3,ribozyme	0.13865806	0.5274054
ENSMUSG00000025348.11,Itga7,protein_coding	0.13863726	0.5859268
ENSMUSG00000051768.10,Xrcc1,protein_coding	0.13862608	0.5938539
ENSMUSG00000039568.7,Ubald1,protein_coding	0.13861942	0.283613
ENSMUSG00000051346.10,Spryd4,protein_coding	0.13849066	0.6153378
ENSMUSG00000001436.16,Slc19a1,protein_coding	0.13848289	0.4166652
ENSMUSG00000095295.10,Gm3488,protein_coding	0.13847449	0.8731533
ENSMUSG00000045917.18,Tmem268,protein_coding	0.13847238	0.4865984
ENSMUSG00000134772.1,ENSMUSG00000134772,lncRNA	0.13844772	0.8023034
ENSMUSG00000020260.10,Pofut2,protein_coding	0.13844024	0.3628297

ENSMUSG00000037531.9,Mrpl47,protein_coding	0.13843276	0.3977504
ENSMUSG00000024544.10,Ldlrad4,protein_coding	0.13842471	0.3376453
ENSMUSG00000107707.2,Gm44286,TEC	0.13836357	0.6892038
ENSMUSG00000104994.2,Gm42989,TEC	0.13833928	0.6201052
ENSMUSG00000042203.9,Tbc1d22b,protein_coding	0.13828699	0.2882247
ENSMUSG00000042428.7,Mgat3,protein_coding	0.13828428	0.4005282
ENSMUSG00000104936.2,2610011E03Rik,TEC	0.13826939	0.6186725
ENSMUSG00000022114.6,Spry2,protein_coding	0.13823107	0.4272774
ENSMUSG00000020696.19,Rffl,protein_coding	0.1382046	0.4222531
ENSMUSG00000046982.12,Tshz1,protein_coding	0.1381355	0.513931
ENSMUSG00000040435.13,Ppp1r15a,protein_coding	0.13805427	0.4902566
ENSMUSG00000008438.4,Adam21,protein_coding	0.13799015	0.6914497
ENSMUSG00000108154.2,Gm44033,TEC	0.13786955	0.6661434
ENSMUSG00000032854.13,Ugt8a,protein_coding	0.13784768	0.5706727
ENSMUSG00000030786.19,Itgam,protein_coding	0.13782723	0.6149753
ENSMUSG00000057411.10,Antkmt,protein_coding	0.13779335	0.4252286
ENSMUSG00000039911.14,Spsb1,protein_coding	0.13773974	0.4905652
ENSMUSG00000134538.1,ENSMUSG00000134538,lncRNA	0.13773579	0.6380358
ENSMUSG00000071078.7,Nr2c2ap,protein_coding	0.13769595	0.5807716
ENSMUSG00000121845.2,ENSMUSG00000121845,lncRNA	0.13766043	0.7899374
ENSMUSG00000050668.11,Gpatch11,protein_coding	0.13749622	0.3044298
ENSMUSG00000079710.12,Dynlt2a2,protein_coding	0.13721274	0.5414491
ENSMUSG00000020287.16,Mpg,protein_coding	0.13706906	0.4498346
ENSMUSG00000033126.6,Ybey,protein_coding	0.13699189	0.4703399
ENSMUSG00000026274.12,Pask,protein_coding	0.13696116	0.5824647
ENSMUSG00000025192.14,Entpd7,protein_coding	0.13685114	0.212274
ENSMUSG00000093445.8,Lrch4,protein_coding	0.13684251	0.6652228
ENSMUSG00000036672.6,Cenpt,protein_coding	0.13683149	0.509981
ENSMUSG00000102143.2,Gm38057,TEC	0.13669438	0.6621375
ENSMUSG00000037126.17,Psd,protein_coding	0.13660077	0.615025
ENSMUSG00000006378.16,Gcat,protein_coding	0.13657919	0.6494616
ENSMUSG00000031103.13,Elf4,protein_coding	0.13655215	0.9106392
ENSMUSG00000022469.18,Rapgef3,protein_coding	0.13650567	0.4665299
ENSMUSG00000104369.2,Gm38082,TEC	0.13649474	0.579943
ENSMUSG00000113140.2,Gm48624,TEC	0.13647949	0.5102267
ENSMUSG00000117679.2,Apbb3,protein_coding	0.13646855	0.3194893
ENSMUSG00000037972.8,Snn,protein_coding	0.1364038	0.4932027
ENSMUSG00000028391.17,Wdr31,protein_coding	0.13624831	0.6290659
ENSMUSG00000111761.4,9230112J17Rik,lncRNA	0.13617709	0.7106855
ENSMUSG00000030446.18,Zfp273,protein_coding	0.13614482	0.5860814
ENSMUSG00000108993.2,Gm44846,TEC	0.13613902	0.7497728
ENSMUSG00000039661.15,Dusp26,protein_coding	0.13603487	0.5706415
ENSMUSG00000064344.1,mt-Tm,Mt_tRNA	0.13602601	0.6980872
ENSMUSG00000049285.5,Mblac1,protein_coding	0.1360224	0.6894656
ENSMUSG00000039849.7,Pcif1,protein_coding	0.13598654	0.4609432
ENSMUSG00000111334.3,Gm30015,lncRNA	0.13596931	0.6519522
ENSMUSG00000006651.9,Aplp1,protein_coding	0.13595723	0.5611541
ENSMUSG00000003873.12,Bax,protein_coding	0.13592106	0.4457131
ENSMUSG00000022178.12,Ajuba,protein_coding	0.13584046	0.7981893
ENSMUSG00000042810.15,Krba1,protein_coding	0.13583187	0.4003763
ENSMUSG00000032940.17,Rbm11,protein_coding	0.13579023	0.641042
ENSMUSG00000015850.12,Adamtsl4,protein_coding	0.13578334	0.5598378

ENSMUSG00002076971.1,Snord100,snoRNA	0.13577002	0.8400247
ENSMUSG00000108389.2,Gm45206,TEC	0.13575961	0.5491903
ENSMUSG00000042613.10,Pbxip1,protein_coding	0.13571381	0.4605943
ENSMUSG00000006301.18,Tmbim1,protein_coding	0.13568844	0.3112356
ENSMUSG00000120227.2,Gm57295,lncRNA	0.13567546	0.720957
ENSMUSG00000108983.2,Gm44926,TEC	0.13566675	0.7538408
ENSMUSG00000038205.13,Prkab2,protein_coding	0.13565033	0.3402066
ENSMUSG00000105966.3,Gm43242,lncRNA	0.13564518	0.8026692
ENSMUSG00000078429.10,Ctdsp2,protein_coding	0.13563744	0.2643756
ENSMUSG00000034040.18,Galnt17,protein_coding	0.13562031	0.4117876
ENSMUSG00000073436.12,Eme2,protein_coding	0.13561057	0.4812106
ENSMUSG00000026156.9,B3gat2,protein_coding	0.13553859	0.521501
ENSMUSG00000108414.4,Snhg1,lncRNA	0.13552155	0.783562
ENSMUSG00000116733.4,6330408M09Rik,lncRNA	0.13551484	0.7238923
ENSMUSG00000121082.1,5730424H11Rik,lncRNA	0.13550029	0.6333286
ENSMUSG00000062846.8,Gm14176,processed_pseudogene	0.13548726	0.9294448
ENSMUSG00000129437.1,Gm9925,lncRNA	0.13548712	0.5064437
ENSMUSG00000107638.4,Gm30524,lncRNA	0.13548242	0.8734804
ENSMUSG00000066640.12,Fbxl18,protein_coding	0.13547778	0.3119492
ENSMUSG00000042078.15,Svop,protein_coding	0.13544018	0.5695889
ENSMUSG00000031133.13,Arhgef6,protein_coding	0.13543102	0.7697211
ENSMUSG00000026289.16,Atg16l1,protein_coding	0.13538703	0.306336
ENSMUSG00000093559.3,Gm20705,lncRNA	0.13527047	0.630254
ENSMUSG00000106241.2,Gm43143,TEC	0.13525097	0.6196512
ENSMUSG00000104852.2,Gm43201,TEC	0.13519676	0.7500343
ENSMUSG00000087038.12,2900079G21Rik,lncRNA	0.13519479	0.6995827
ENSMUSG00000067825.12,Pex26,protein_coding	0.13518854	0.3617415
ENSMUSG00000023473.14,Celsr3,protein_coding	0.13516601	0.5003383
ENSMUSG00000039678.13,Tbc1d13,protein_coding	0.13499608	0.3845903
ENSMUSG00000020801.9,Med31,protein_coding	0.13493128	0.6429857
ENSMUSG00000029600.11,Rita1,protein_coding	0.13492995	0.5378954
ENSMUSG00000046714.8,Foxc2,protein_coding	0.13489635	0.7630149
ENSMUSG00000034460.10,Six4,protein_coding	0.13483595	0.590773
ENSMUSG00000044477.13,Zfand3,protein_coding	0.13482575	0.1689404
ENSMUSG00000033055.13,Ankrd54,protein_coding	0.13481705	0.4852062
ENSMUSG00000033854.11,Kcnk10,protein_coding	0.13479625	0.7090726
ENSMUSG00000115311.4,Gm35823,lncRNA	0.13479475	0.7202148
ENSMUSG00000107583.2,Gm44104,TEC	0.1347561	0.5282294
ENSMUSG00000104379.2,Gm37509,TEC	0.13468962	0.5326191
ENSMUSG00000045100.12,Slc25a26,protein_coding	0.13467769	0.4472147
ENSMUSG00000071226.12,Cecr2,protein_coding	0.13453166	0.7668028
ENSMUSG00000029673.20,Auts2,protein_coding	0.13444932	0.4929032
ENSMUSG00000053841.16,Txlna,protein_coding	0.13437817	0.3694742
ENSMUSG00000034320.15,Slc26a2,protein_coding	0.13437744	0.4266088
ENSMUSG00000001366.15,Fbxo9,protein_coding	0.13435597	0.4632151
ENSMUSG00000023079.15,Gtf2ird1,protein_coding	0.13433901	0.4462522
ENSMUSG00000089936.2,Gm16199,processed_pseudogene	0.13430834	0.748748
ENSMUSG00000121717.1,ENSMUSG00000121717,lncRNA	0.1341334	0.5112578
ENSMUSG00000045201.7,Lrrc3b,protein_coding	0.13412855	0.5836529
ENSMUSG00000035547.15,Capn5,protein_coding	0.13410635	0.5496411
ENSMUSG00000048988.9,Elfn1,protein_coding	0.1340972	0.6171178
ENSMUSG00000128990.1,ENSMUSG00000128990,lncRNA	0.13407123	0.6402262

ENSMUSG00000124507.1,ENSMUSG00000124507,lncRNA	0.13404251	0.7748359
ENSMUSG00000000028.16,Cdc45,protein_coding	0.13402987	0.8800778
ENSMUSG00000001150.8,Mcm3ap,protein_coding	0.13401209	0.2876769
ENSMUSG00000041431.17,Ccnb1,protein_coding	0.13400065	0.916184
ENSMUSG00000019960.9,Dusp6,protein_coding	0.13398255	0.5832319
ENSMUSG00000019158.10,Tmem160,protein_coding	0.13395375	0.5721984
ENSMUSG00000109879.2,Gm10997,TEC	0.13385836	0.6955024
ENSMUSG00000026773.20,Pfkfb3,protein_coding	0.13384541	0.4413421
ENSMUSG00000041598.8,Cdc42ep4,protein_coding	0.13377534	0.414265
ENSMUSG00000053192.10,Mllt11,protein_coding	0.13376947	0.4835498
ENSMUSG00000035673.11,Sbno2,protein_coding	0.13376607	0.6461911
ENSMUSG00000115783.4,Bc1,lncRNA	0.13371169	0.6456999
ENSMUSG00000040195.12,Nemp1,protein_coding	0.13368387	0.6644325
ENSMUSG00000059146.13,Ntrk3,protein_coding	0.13365461	0.4767198
ENSMUSG00000030590.16,Fam98c,protein_coding	0.13359137	0.4639111
ENSMUSG00000029050.16,Ski,protein_coding	0.13357272	0.3926868
ENSMUSG00000060882.6,Kcnd2,protein_coding	0.13356637	0.5212022
ENSMUSG00000025468.16,Caly,protein_coding	0.13351885	0.6425747
ENSMUSG00000017307.17,Acot8,protein_coding	0.13350517	0.6031978
ENSMUSG00000047264.9,Zfp358,protein_coding	0.13349717	0.5942065
ENSMUSG00000020548.13,1700086D15Rik,lncRNA	0.13349111	0.6629678
ENSMUSG00000099632.4,2900093K20Rik,lncRNA	0.13347868	0.8113417
ENSMUSG00000040447.16,Spns2,protein_coding	0.13347699	0.3901835
ENSMUSG00000069678.11,Pcgf1,protein_coding	0.13337027	0.5956705
ENSMUSG00000105946.2,Gm43776,TEC	0.1333666	0.6237804
ENSMUSG00000062352.16,Itgb1bp1,protein_coding	0.13335512	0.3263132
ENSMUSG00000009633.4,G0s2,protein_coding	0.13335318	0.7021254
ENSMUSG00000036854.15,Hspb6,protein_coding	0.13333229	0.7131713
ENSMUSG00000033365.15,Ipo13,protein_coding	0.1333289	0.3050865
ENSMUSG00000104641.2,Gm43290,TEC	0.13332815	0.6858775
ENSMUSG00000039164.3,Naif1,protein_coding	0.13326536	0.6067493
ENSMUSG00000038180.12,Spag4,protein_coding	0.13322732	0.7059262
ENSMUSG00000117600.2,Gm50094,TEC	0.13322374	0.7657169
ENSMUSG00000106110.2,Gm43571,TEC	0.13313734	0.4766804
ENSMUSG00000020241.14,Col6a2,protein_coding	0.13313695	0.5814465
ENSMUSG00000011171.12,Vipr2,protein_coding	0.13313558	0.7469425
ENSMUSG00000141668.1,ENSMUSG00000141668,lncRNA	0.13310393	0.8066042
ENSMUSG00000031700.12,Gpt2,protein_coding	0.13304864	0.2173768
ENSMUSG00000046722.15,Cdc42se1,protein_coding	0.13301878	0.2556877
ENSMUSG00000017943.16,Gdap1l1,protein_coding	0.13297747	0.5625296
ENSMUSG00000018334.19,Ksr1,protein_coding	0.13296586	0.5317478
ENSMUSG00000048142.10,Nat8l,protein_coding	0.13292931	0.5664285
ENSMUSG00000027894.15,Slc6a17,protein_coding	0.13288287	0.4897237
ENSMUSG00000015846.17,Rxra,protein_coding	0.13285329	0.5320342
ENSMUSG00000021481.12,Zfp346,protein_coding	0.13281455	0.2379464
ENSMUSG00000045377.6,Tmem88,protein_coding	0.13270168	0.7683991
ENSMUSG00000140518.1,ENSMUSG00000140518,lncRNA	0.13269728	0.6130728
ENSMUSG00000078866.11,Zfp970,protein_coding	0.13269412	0.5390656
ENSMUSG00000036315.14,Polr1h,protein_coding	0.13264077	0.5848838
ENSMUSG00000087231.10,E230016M11Rik,lncRNA	0.13263543	0.5585558
ENSMUSG00000121382.1,ENSMUSG00000121382,lncRNA	0.1325704	0.70649
ENSMUSG00000069273.3,H3c6,protein_coding	0.13250514	0.8950787

ENSMUSG00000007038.6,Neu1,protein_coding	0.13248415	0.347344
ENSMUSG00000104222.3,Gm7292,lncRNA	0.13246023	0.5086914
ENSMUSG00000108394.2,Gm45477,TEC	0.13244937	0.5947434
ENSMUSG00000103272.2,Gm37914,TEC	0.13238654	0.6078879
ENSMUSG00000105971.2,Gm43805,TEC	0.13235084	0.7841475
ENSMUSG00000020868.16,Xylt2,protein_coding	0.13232393	0.5685329
ENSMUSG00000056735.8,A930024E05Rik,lncRNA	0.13232182	0.6948891
ENSMUSG00000031851.15,Ntpcr,protein_coding	0.13230265	0.5623208
ENSMUSG00000003604.15,Aven,protein_coding	0.13228677	0.4922827
ENSMUSG00000087380.10,2210408F21Rik,lncRNA	0.13216331	0.5574945
ENSMUSG00000026463.18,Atp2b4,protein_coding	0.13213529	0.4718646
ENSMUSG00000102424.3,Paupar,lncRNA	0.13206996	0.779442
ENSMUSG00000040842.18,Szrd1,protein_coding	0.13201879	0.4707318
ENSMUSG00000020440.15,Arf5,protein_coding	0.13201816	0.3199697
ENSMUSG00000102232.3,Gm19035,transcribed_processed_pseudogene	0.13199171	0.6415679
ENSMUSG00000113811.3,Gm47882,lncRNA	0.13198948	0.7920303
ENSMUSG00000044364.6,Tmem74b,protein_coding	0.13198383	0.7329882
ENSMUSG00000028957.13,Per3,protein_coding	0.13194564	0.320961
ENSMUSG00000074664.5,A830092H15Rik,lncRNA	0.13184863	0.7554986
ENSMUSG00000097929.10,Tunar,protein_coding	0.13169151	0.5342549
ENSMUSG00000045975.9,C2cd2,protein_coding	0.13166512	0.3407318
ENSMUSG00000120180.2,Gm56852,lncRNA	0.13166186	0.7863581
ENSMUSG00000109005.2,Gm45221,TEC	0.13155425	0.6454638
ENSMUSG00000074743.5,Thbd,protein_coding	0.13153392	0.611476
ENSMUSG00000021265.4,Slc25a29,protein_coding	0.13152212	0.5477614
ENSMUSG00000031511.17,Arhgef7,protein_coding	0.13151052	0.4450131
ENSMUSG00000022054.12,Nefm,protein_coding	0.13150803	0.6322866
ENSMUSG00000105791.2,Gm43341,TEC	0.1314753	0.7609935
ENSMUSG00000024112.18,Cacna1h,protein_coding	0.13145402	0.5638284
ENSMUSG00000121347.2,Gm2011,lncRNA	0.13141655	0.5472902
ENSMUSG00000083827.2,Gm15712,processed_pseudogene	0.13141476	0.7361653
ENSMUSG00000014551.9,Mrps25,protein_coding	0.1313954	0.3930484
ENSMUSG00000038807.20,Rap1gap2,protein_coding	0.13128159	0.4704105
ENSMUSG00000100417.5,Gm28578,lncRNA	0.13124214	0.7063649
ENSMUSG00000026676.8,Ccdc3,protein_coding	0.13112575	0.599841
ENSMUSG00000048371.9,Pdp2,protein_coding	0.13111898	0.2849217
ENSMUSG00000024773.16,Atg2a,protein_coding	0.13110851	0.3896969
ENSMUSG00000037463.15,Fbxo27,protein_coding	0.13107425	0.5276756
ENSMUSG00000039230.15,Tbcd,protein_coding	0.13100694	0.261055
ENSMUSG00000044857.9,Lemd2,protein_coding	0.13098984	0.3725632
ENSMUSG00000055069.4,Rab39,protein_coding	0.13092053	0.8291571
ENSMUSG00000032012.10,Nectin1,protein_coding	0.13090545	0.4901123
ENSMUSG00000031543.19,Ank1,protein_coding	0.13087635	0.6460584
ENSMUSG00000060275.15,Nrg2,protein_coding	0.1308698	0.5421783
ENSMUSG00000044361.17,BC024139,protein_coding	0.13086744	0.793667
ENSMUSG00000120789.2,Gm56686,lncRNA	0.13080579	0.7186249
ENSMUSG00000027371.11,Fahd2a,protein_coding	0.13076983	0.5435483
ENSMUSG00000102148.2,Gm38059,TEC	0.13075434	0.7112801
ENSMUSG00000040706.5,Agmat,protein_coding	0.13074558	0.8812385
ENSMUSG00000136668.1,ENSMUSG00000136668,lncRNA	0.13072403	0.7995085
ENSMUSG00000100937.2,Nscme3l,protein_coding	0.13065152	0.7932723
ENSMUSG00000102788.2,Gm38255,TEC	0.13063155	0.6708209

ENSMUSG00000037946.12,Fgd3,protein_coding	0.13060758	0.5475085
ENSMUSG00000067356.6,B430203G13Rik,TEC	0.1306008	0.7301702
ENSMUSG00000030357.11,Fkbp4,protein_coding	0.13053788	0.5208451
ENSMUSG00000040811.16,Eml2,protein_coding	0.13049884	0.5795462
ENSMUSG00000126570.1,ENSMUSG00000126570,lncRNA	0.13044659	0.8449834
ENSMUSG00000002233.14,Rhoc,protein_coding	0.13039805	0.6089012
ENSMUSG00000021228.16,Acot3,protein_coding	0.13039032	0.7821816
ENSMUSG00000018821.4,Avpi1,protein_coding	0.13034212	0.6831938
ENSMUSG00000015094.17,Npdc1,protein_coding	0.13031531	0.5048959
ENSMUSG00000102831.2,Gm37382,TEC	0.13031174	0.6284538
ENSMUSG00000051444.10,Bbs12,protein_coding	0.1301924	0.6023913
ENSMUSG00000117406.2,Ntn3,protein_coding	0.13015151	0.6022559
ENSMUSG00000005774.13,Rfx5,protein_coding	0.13013143	0.4714734
ENSMUSG00000057440.9,Mpp7,protein_coding	0.13007192	0.6244405
ENSMUSG00000110791.2,Gm47508,TEC	0.12998674	0.7582061
ENSMUSG00000031442.22,Mcf2l,protein_coding	0.12996204	0.4794442
ENSMUSG00000097906.2,Gm9625,processed_pseudogene	0.12995928	0.8653153
ENSMUSG00000036052.15,Dnajb5,protein_coding	0.12994682	0.599024
ENSMUSG00000086916.4,Gm15903,lncRNA	0.12992315	0.6637702
ENSMUSG00000092368.4,A930015D03Rik,lncRNA	0.12990895	0.4595938
ENSMUSG00000085795.9,Zfp703,protein_coding	0.12989981	0.4234092
ENSMUSG00000052248.19,Zeb2os,lncRNA	0.12989901	0.6406492
ENSMUSG00000115144.2,Gm7968,TEC	0.12985969	0.6886041
ENSMUSG00000063087.17,Zeb1os1,lncRNA	0.12977076	0.5356864
ENSMUSG00000029270.11,Dipk1a,protein_coding	0.12976782	0.5369161
ENSMUSG00000032017.15,Grik4,protein_coding	0.12969132	0.5939284
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ENSMUSG00000060992.10,Copz1,protein_coding	0.12954992	0.4094959
ENSMUSG00000031502.12,Col4a1,protein_coding	0.1295259	0.4373269
ENSMUSG00000024212.11,Mllt1,protein_coding	0.12950011	0.3665808
ENSMUSG00000078302.6,Foxd1,protein_coding	0.12949679	0.6688884
ENSMUSG00000097156.10,Gm3764,lncRNA	0.12941838	0.538817
ENSMUSG00000105347.2,Gm43503,TEC	0.12939501	0.6814265
ENSMUSG00000070426.13,Rnf121,protein_coding	0.12938676	0.189351
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ENSMUSG00000043644.7,0610009L18Rik,lncRNA	0.12935464	0.6627827
ENSMUSG00000003444.9,Med29,protein_coding	0.12927144	0.5198161
ENSMUSG00000022012.10,Enox1,protein_coding	0.12920084	0.549931
ENSMUSG00000059713.13,Rcan3,protein_coding	0.12918459	0.539307
ENSMUSG00000021694.19,Ercc8,protein_coding	0.12917011	0.4387502
ENSMUSG00000026204.16,Ptprn,protein_coding	0.12913368	0.6372623
ENSMUSG00000022096.15,Hr,protein_coding	0.12912034	0.6285701
ENSMUSG00000032388.8,Spg21,protein_coding	0.12904341	0.5061322
ENSMUSG00000041775.8,Mapk1ip1,protein_coding	0.12903498	0.4312524
ENSMUSG00000120191.1,Gm57198,lncRNA	0.12902061	0.6731786
ENSMUSG00000112822.2,A130012E19Rik,TEC	0.12896359	0.5972572
ENSMUSG00000029175.18,Slc35f6,protein_coding	0.12892815	0.2893953
ENSMUSG00000001227.13,Sema6b,protein_coding	0.12884519	0.5711662
ENSMUSG00000027080.7,Med19,protein_coding	0.12880141	0.3435953
ENSMUSG00000028521.18,Slc35d1,protein_coding	0.12875129	0.3812178
ENSMUSG00000107116.2,Gm43274,TEC	0.12870894	0.5775625
ENSMUSG00000041423.17,Paqr6,protein_coding	0.12864958	0.5511177

ENSMUSG00000030317.9,Timp4,protein_coding	0.12863817	0.6470669
ENSMUSG00000032194.10,Kank2,protein_coding	0.12837688	0.7063175
ENSMUSG00000044636.7,Csrnp2,protein_coding	0.12834875	0.4702817
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ENSMUSG00000029312.13,Klhl8,protein_coding	0.12830735	0.4679128
ENSMUSG00000102516.2,Gm38340,TEC	0.12827565	0.5970822
ENSMUSG00000112576.2,Gm47621,TEC	0.1282746	0.7464737
ENSMUSG00000096199.3,Ptrhd1,protein_coding	0.1282435	0.4733231
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ENSMUSG00000029578.16,Wipi2,protein_coding	0.12818335	0.2470781
ENSMUSG00000022089.10,Bin3,protein_coding	0.1281817	0.4700471
ENSMUSG00000066235.8,Pomgnt2,protein_coding	0.12817254	0.6212346
ENSMUSG00000057948.13,Unc13d,protein_coding	0.1281414	0.8090999
ENSMUSG00000097239.8,Gm27029,protein_coding	0.1280653	0.8350972
ENSMUSG00000105176.2,Gm43668,TEC	0.1280381	0.5009583
ENSMUSG00000033102.16,Cdc14b,protein_coding	0.12794239	0.6259477
ENSMUSG00000107838.2,Gm45769,TEC	0.12793691	0.7204467
ENSMUSG00000030878.12,Cdr2,protein_coding	0.12791087	0.5707364
ENSMUSG00000025728.17,Pigq,protein_coding	0.1278912	0.3181328
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ENSMUSG00000008734.10,Gprc5b,protein_coding	0.12778244	0.4334829
ENSMUSG00000041974.11,Spidr,protein_coding	0.12766949	0.78503
ENSMUSG00000049265.9,Kcnk3,protein_coding	0.12765584	0.6276666
ENSMUSG00000050592.9,Fam78a,protein_coding	0.12762865	0.5873145
ENSMUSG00000120777.2,Gm56626,lncRNA	0.12761371	0.9484059
ENSMUSG00000104184.2,Gm37818,TEC	0.12756586	0.7216294
ENSMUSG00000029603.16,Dtx1,protein_coding	0.12755871	0.554314
ENSMUSG00000104869.2,Gm42544,TEC	0.12755269	0.7079223
ENSMUSG00000096255.3,Dynlt1b,protein_coding	0.1275218	0.8359785
ENSMUSG00000017802.15,Retreg3,protein_coding	0.12749081	0.1634239
ENSMUSG00000112393.2,Gm48655,TEC	0.12740992	0.5306856
ENSMUSG00000118504.2,Gm53012,protein_coding	0.12740344	0.4900425
ENSMUSG00000004264.18,Phb2,protein_coding	0.12739946	0.4758852
ENSMUSG00000032417.11,Rwdd2a,protein_coding	0.12735247	0.6694838
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ENSMUSG00000095595.3,Fam177a,protein_coding	0.12732011	0.725656
ENSMUSG00000027996.14,Sfrp2,protein_coding	0.12730598	0.7229824
ENSMUSG00000042510.8,AA986860,protein_coding	0.12725773	0.7157761
ENSMUSG00000028373.17,Astn2,protein_coding	0.12721574	0.5917147
ENSMUSG00000027932.15,Slc27a3,protein_coding	0.12721204	0.7441483
ENSMUSG00000034656.19,Cacna1a,protein_coding	0.12715365	0.5283893
ENSMUSG00000025786.18,Zdhhc3,protein_coding	0.12714397	0.1524185
ENSMUSG00000028064.18,Sema4a,protein_coding	0.12709214	0.6040696
ENSMUSG00000027947.12,Il6ra,protein_coding	0.12707746	0.6700859
ENSMUSG00000112879.2,Gm47726,processed_pseudogene	0.12707318	0.6810237
ENSMUSG00000133902.1,ENSMUSG00000133902,lncRNA	0.12701553	0.7631075
ENSMUSG00000027582.17,Zgpat,protein_coding	0.12692473	0.5111244
ENSMUSG00000064037.14,Gpn1,protein_coding	0.12685628	0.2641335
ENSMUSG00000047003.16,Zfp41,protein_coding	0.12681757	0.3876215
ENSMUSG00000114996.2,Gm48958,TEC	0.12679129	0.6198486
ENSMUSG00000015659.13,Serac1,protein_coding	0.12677052	0.3598616
ENSMUSG00000040711.9,Sh3pxd2b,protein_coding	0.1267633	0.4720391

ENSMUSG00000097385.2,Gm26814,TEC	0.12676107	0.6497303
ENSMUSG00000097960.3,A330074K22Rik,lncRNA	0.12674176	0.6741425
ENSMUSG00000103748.2,Gm38243,TEC	0.12672922	0.7378464
ENSMUSG00000063434.7,Sorcs3,protein_coding	0.12670683	0.5510457
ENSMUSG00000140077.1,ENSMUSG00000140077,lncRNA	0.12668552	0.5639369
ENSMUSG00000057378.16,Ryr3,protein_coding	0.12668097	0.6459722
ENSMUSG00000066129.18,Kndc1,protein_coding	0.12666977	0.4874655
ENSMUSG00000029521.8,Chek2,protein_coding	0.12663242	0.8512863
ENSMUSG00000030330.16,Ing4,protein_coding	0.12662811	0.2970956
ENSMUSG00000044576.7,Garem2,protein_coding	0.12654832	0.5087772
ENSMUSG00000000278.11,Scpep1,protein_coding	0.12653612	0.7227405
ENSMUSG00000052040.11,Klf13,protein_coding	0.12652066	0.3374649
ENSMUSG00000022176.12,Rem2,protein_coding	0.12634688	0.7356552
ENSMUSG00000033083.17,Tbc1d4,protein_coding	0.12633318	0.6509289
ENSMUSG00000108721.2,Gm44721,TEC	0.12620052	0.7639808
ENSMUSG00000109865.2,Hspa14,protein_coding	0.12617417	0.4648266
ENSMUSG00000025648.19,Pfkfb4,protein_coding	0.12613634	0.4566522
ENSMUSG00000115073.2,Gm49283,TEC	0.12612544	0.7068965
ENSMUSG00000040820.17,Hlcs,protein_coding	0.12604972	0.4634012
ENSMUSG00000061411.13,Nol4l,protein_coding	0.12601523	0.4735445
ENSMUSG00000053465.7,Hs6st3,protein_coding	0.12593489	0.6319743
ENSMUSG00000061024.9,Rrs1,protein_coding	0.12588341	0.5915329
ENSMUSG00000037017.16,Zscan21,protein_coding	0.12587773	0.3096996
ENSMUSG00000085148.2,Mir22hg,lncRNA	0.12587489	0.4803
ENSMUSG00000025010.15,Ccnj,protein_coding	0.12586354	0.4674231
ENSMUSG00000026547.16,Tagln2,protein_coding	0.12583202	0.8639011
ENSMUSG00000006019.16,Dhx34,protein_coding	0.12582265	0.6160623
ENSMUSG00000108954.2,Gm44901,TEC	0.12581926	0.6671879
ENSMUSG00000047161.13,Chst9,protein_coding	0.12578666	0.8491513
ENSMUSG00000120298.2,Gm57450,lncRNA	0.12574214	0.6109183
ENSMUSG00000020256.15,Aldh1l2,protein_coding	0.12573256	0.6740669
ENSMUSG00000105828.2,Gm43048,TEC	0.12570314	0.6859352
ENSMUSG00000026932.15,Nacc2,protein_coding	0.12566117	0.4498724
ENSMUSG00000003208.10,Yju2,protein_coding	0.12559073	0.4041971
ENSMUSG00000030619.11,Eed,protein_coding	0.12557018	0.6575083
ENSMUSG00000048965.10,Mrgpre,protein_coding	0.12554806	0.6680885
ENSMUSG00000028661.9,Epha8,protein_coding	0.12542232	0.6985853
ENSMUSG00000031986.7,Sprtn,protein_coding	0.12540004	0.2990715
ENSMUSG00000020747.19,Tmem94,protein_coding	0.12539494	0.4905663
ENSMUSG00000121251.2,D030016M11Rik,lncRNA	0.12539174	0.7227331
ENSMUSG00000053093.17,Myh7,protein_coding	0.12538765	0.7635733
ENSMUSG00000033152.14,Podxl2,protein_coding	0.12536366	0.6350275
ENSMUSG00000042073.16,Abhd14b,protein_coding	0.1253627	0.5829194
ENSMUSG00000046618.8,Olfml2a,protein_coding	0.12535199	0.6792271
ENSMUSG00000002458.14,Rgs19,protein_coding	0.12534611	0.6399764
ENSMUSG00000108910.2,Gm44625,TEC	0.12533974	0.773084
ENSMUSG00000113052.3,Gm31513,lncRNA	0.12527338	0.6768586
ENSMUSG00000001065.16,Zfp276,protein_coding	0.12523377	0.5045944
ENSMUSG00000022426.7,Josd1,protein_coding	0.12521797	0.3651267
ENSMUSG00000021613.10,Hapln1,protein_coding	0.12521341	0.6644419
ENSMUSG00000027115.15,Kif18a,protein_coding	0.1251749	0.9073328
ENSMUSG00000041000.9,Trim62,protein_coding	0.12515119	0.7515382

ENSMUSG00000103948.2,4930594C11Rik,TEC	0.12512788	0.693403
ENSMUSG00000047238.5,Mageh1,protein_coding	0.12512674	0.4132647
ENSMUSG00000091705.9,H2-Q2,protein_coding	0.1251128	0.8989823
ENSMUSG00000086502.4,B130055M24Rik,lncRNA	0.12511078	0.5478663
ENSMUSG00000032485.15,Scap,protein_coding	0.12507214	0.4490427
ENSMUSG00000043311.8,D17H6S53E,protein_coding	0.12501896	0.4450293
ENSMUSG00000096956.5,Snhg18,lncRNA	0.12496335	0.6512684
ENSMUSG00000057134.8,Ado,protein_coding	0.12496017	0.32252
ENSMUSG00000042804.14,Gpr153,protein_coding	0.1249426	0.6763299
ENSMUSG00000105179.2,Gm42866,TEC	0.12474544	0.5931894
ENSMUSG00000054277.9,Arfgap3,protein_coding	0.12465436	0.4401221
ENSMUSG00000079003.4,Samd1,protein_coding	0.12460451	0.4073525
ENSMUSG00000058975.8,Kcnc1,protein_coding	0.12455737	0.5475196
ENSMUSG00000111605.2,4632418H02Rik,TEC	0.12441807	0.7062887
ENSMUSG00000089815.9,Gm5083,lncRNA	0.12438252	0.7896315
ENSMUSG00000020491.16,2810021J22Rik,protein_coding	0.12437353	0.3353196
ENSMUSG00000067787.11,Blcap,protein_coding	0.12436772	0.4195796
ENSMUSG00000021033.12,Gstz1,protein_coding	0.12425134	0.4021379
ENSMUSG00000118239.2,Gm50107,lncRNA	0.12422303	0.4184397
ENSMUSG00000114708.3,Gm30177,lncRNA	0.12413965	0.7109206
ENSMUSG00000113170.3,Gm36839,lncRNA	0.12408372	0.7830354
ENSMUSG00000120347.2,Gm56597,lncRNA	0.12407133	0.7583984
ENSMUSG00000020785.18,Camkk1,protein_coding	0.12404534	0.5190132
ENSMUSG00000029185.15,Fam114a1,protein_coding	0.1240151	0.5622358
ENSMUSG00000020601.9,Trib2,protein_coding	0.12398255	0.4629612
ENSMUSG00000112601.2,Gm47590,TEC	0.12396526	0.6661986
ENSMUSG00000105653.2,Gm43831,TEC	0.1239205	0.6180883
ENSMUSG00000109216.2,Gm44907,TEC	0.12391244	0.7427606
ENSMUSG00000050357.10,Carmil2,protein_coding	0.12389011	0.4589081
ENSMUSG00000102319.2,Gm37626,TEC	0.12384986	0.6383612
ENSMUSG00000098905.3,Zfp953,protein_coding	0.12383133	0.7911667
ENSMUSG00000035891.17,Cerk,protein_coding	0.12354647	0.5101803
ENSMUSG00000054793.9,Cadm4,protein_coding	0.12354423	0.5552849
ENSMUSG00000109693.2,Gm45483,TEC	0.12348098	0.7142413
ENSMUSG00000049904.8,Tmem17,protein_coding	0.12341786	0.7369476
ENSMUSG00000062115.16,Rai1,protein_coding	0.12339457	0.4709102
ENSMUSG00000061451.14,Tmem151a,protein_coding	0.12337791	0.67551
ENSMUSG00000021876.16,Rnase4,protein_coding	0.12336749	0.6771953
ENSMUSG00000107499.2,Ccdc142,protein_coding	0.12328257	0.7026931
ENSMUSG00000039058.12,Ak5,protein_coding	0.12324125	0.6752396
ENSMUSG00000029714.12,Gigyf1,protein_coding	0.12323903	0.3843494
ENSMUSG00000120081.1,Gm57354,lncRNA	0.12321292	0.4153689
ENSMUSG00000038780.15,Smurf1,protein_coding	0.12311283	0.5142676
ENSMUSG00000073792.12,Alg6,protein_coding	0.12307726	0.4981146
ENSMUSG00000021998.17,Lcp1,protein_coding	0.12303878	0.9116822
ENSMUSG00000054850.5,Smim10l2a,protein_coding	0.12299292	0.5983958
ENSMUSG00000033379.14,Atp6v0b,protein_coding	0.12296578	0.4971077
ENSMUSG00000038128.8,Camk4,protein_coding	0.1229496	0.6318281
ENSMUSG00000036264.10,Fstl4,protein_coding	0.1229266	0.6099409
ENSMUSG00000026062.13,Slc9a2,protein_coding	0.12291206	0.7267032
ENSMUSG00000040258.7,Nxph4,protein_coding	0.12286948	0.7837873
ENSMUSG00000037907.17,Ankrd13b,protein_coding	0.12283771	0.4413408

ENSMUSG00000074405.9,Zfp865,protein_coding	0.12282788	0.3077391
ENSMUSG00000025218.7,Poll,protein_coding	0.12281921	0.6648429
ENSMUSG00000071632.11,2510002D24Rik,protein_coding	0.12278834	0.5302255
ENSMUSG00000104830.2,5830487J09Rik,lncRNA	0.1227877	0.5999003
ENSMUSG00000015377.11,Dennd6b,protein_coding	0.12277291	0.5282997
ENSMUSG00000029145.13,Eif2b4,protein_coding	0.12255557	0.466205
ENSMUSG00000042436.13,Mfap4,protein_coding	0.12254416	0.7722012
ENSMUSG00000118332.3,Smim10l3,protein_coding	0.12235092	0.5094816
ENSMUSG00000006731.11,B4galnt1,protein_coding	0.12233021	0.379459
ENSMUSG00000059743.13,Fdps,protein_coding	0.12220845	0.5847485
ENSMUSG00000021890.7,Eaf1,protein_coding	0.12219098	0.5051459
ENSMUSG00000031904.6,Slc7a6,protein_coding	0.12208807	0.4100698
ENSMUSG00000022211.10,Carmil3,protein_coding	0.12193291	0.565565
ENSMUSG00000033253.19,Szt2,protein_coding	0.12191693	0.4183231
ENSMUSG00000027198.17,Ext2,protein_coding	0.12180787	0.3173646
ENSMUSG00000097616.10,1110019D14Rik,lncRNA	0.12176061	0.6635759
ENSMUSG00000043463.7,Rab9b,protein_coding	0.12172241	0.5371358
ENSMUSG00000007682.9,Dio2,protein_coding	0.12169765	0.6088877
ENSMUSG00000045404.17,Kcnk13,protein_coding	0.12169448	0.5693629
ENSMUSG00000102573.2,Gm7265,TEC	0.12166926	0.6724098
ENSMUSG00000030970.17,Ctbp2,protein_coding	0.12163789	0.5907518
ENSMUSG00000027603.16,Ggt7,protein_coding	0.12163484	0.5859959
ENSMUSG00000041930.8,Fam222a,protein_coding	0.12162942	0.5691328
ENSMUSG00000117185.3,Gm34510,lncRNA	0.121597	0.8277014
ENSMUSG00000103284.2,3110080O07Rik,TEC	0.12156024	0.7666761
ENSMUSG00000024870.7,Rab1b,protein_coding	0.12155503	0.5020406
ENSMUSG00000108152.2,Gm44152,TEC	0.1215279	0.6407869
ENSMUSG00000027387.12,Zc3h8,protein_coding	0.12150317	0.5699613
ENSMUSG00000031684.12,Slc10a7,protein_coding	0.12146633	0.6121069
ENSMUSG00000020940.15,Efcab15,protein_coding	0.12145196	0.8383978
ENSMUSG00000025875.15,Tspan17,protein_coding	0.12142887	0.607814
ENSMUSG00000034998.19,Foxn2,protein_coding	0.12140817	0.6448839
ENSMUSG00000001482.16,Def8,protein_coding	0.12140508	0.4712178
ENSMUSG00000003469.10,Phyhip,protein_coding	0.12136626	0.6068679
ENSMUSG00000118038.4,Gm9895,lncRNA	0.12135325	0.7711022
ENSMUSG00000030134.12,Rasgef1a,protein_coding	0.1213367	0.6375113
ENSMUSG00000104214.2,Gm36638,TEC	0.12132322	0.7087146
ENSMUSG00000040414.9,Slc25a28,protein_coding	0.12121974	0.4283656
ENSMUSG00000106634.2,Gm43042,lncRNA	0.12121608	0.7233775
ENSMUSG00000017929.14,B4galt5,protein_coding	0.12119313	0.2836365
ENSMUSG00000032633.13,Flcn,protein_coding	0.12110315	0.325754
ENSMUSG00000134258.1,ENSMUSG00000134258,lncRNA	0.12101537	0.7092762
ENSMUSG00000034579.18,Pla2g3,protein_coding	0.12095229	0.761899
ENSMUSG00000032377.9,Plscr4,protein_coding	0.12090189	0.7158179
ENSMUSG00000021417.16,Eci2,protein_coding	0.12083817	0.4685131
ENSMUSG00000061576.16,Dpp6,protein_coding	0.1207851	0.4878654
ENSMUSG00000026414.15,Tnnt2,protein_coding	0.12072336	0.7511639
ENSMUSG00000048832.10,Vps37c,protein_coding	0.12069683	0.4344975
ENSMUSG00000042751.15,Nmnat2,protein_coding	0.12066399	0.437226
ENSMUSG00000025792.10,Slc25a10,protein_coding	0.12064609	0.6488699
ENSMUSG00000025584.18,Pde8a,protein_coding	0.12063913	0.5500446
ENSMUSG00000102602.2,A930004J17Rik,TEC	0.12062581	0.5173113

ENSMUSG00000022816.12,Fstl1,protein_coding	0.12062065	0.5984828
ENSMUSG00000027999.16,Pla2g12a,protein_coding	0.12053974	0.4937342
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ENSMUSG00000044847.14,Lsm11,protein_coding	0.1202728	0.4337947
ENSMUSG00000047904.7,Sstr2,protein_coding	0.12025568	0.7027898
ENSMUSG00000137365.1,ENSMUSG00000137365,lncRNA	0.12020616	0.9213628
ENSMUSG00002076083.1,Klhl17,protein_coding	0.12020212	0.5201659
ENSMUSG00002075496.1,Gm55970,misc_RNA	0.12019595	0.8132094
ENSMUSG00000122905.1,ENSMUSG00000122905,lncRNA	0.12018682	0.7900999
ENSMUSG00000120121.2,Gm56779,lncRNA	0.12009766	0.7779976
ENSMUSG00000045216.8,Hs6st1,protein_coding	0.12007324	0.321369
ENSMUSG00000025189.10,Cnnm1,protein_coding	0.12003708	0.4775213
ENSMUSG00000115422.3,4930452G13Rik,lncRNA	0.12002182	0.781179
ENSMUSG00000061028.8,Clasrp,protein_coding	0.11995268	0.5706716
ENSMUSG00000024983.11,Vti1a,protein_coding	0.11990609	0.3374394
ENSMUSG00000006575.15,Rundc3a,protein_coding	0.11988994	0.554257
ENSMUSG00000020211.16,Sf3a2,protein_coding	0.1198836	0.6283948
ENSMUSG00000059355.14,Wdr83os,protein_coding	0.11986579	0.5802261
ENSMUSG00000036534.7,Slc38a7,protein_coding	0.11976388	0.4286977
ENSMUSG00000102336.4,Gm37233,lncRNA	0.11972403	0.7036587
ENSMUSG00000055497.6,Gm9974,processed_pseudogene	0.119703	0.7694898
ENSMUSG00000107021.2,Gm42853,TEC	0.11968408	0.6903661
ENSMUSG00000074629.4,4930518I15Rik,TEC	0.1195918	0.7355831
ENSMUSG00000125305.1,ENSMUSG00000125305,lncRNA	0.11958602	0.8024705
ENSMUSG00000022245.16,Skor1,protein_coding	0.1195612	0.7851591
ENSMUSG00000071719.3,Nalf2,protein_coding	0.11950916	0.548194
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ENSMUSG00000045730.5,Adrb2,protein_coding	0.11948931	0.6946377
ENSMUSG00000053293.10,Pom121,protein_coding	0.11938262	0.4241144
ENSMUSG00000115264.2,Gm49260,TEC	0.11937556	0.7641372
ENSMUSG00000021983.17,Atp8a2,protein_coding	0.11934275	0.4649655
ENSMUSG00000017734.16,Dbndd2,protein_coding	0.11928254	0.3706183
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ENSMUSG00000091636.3,Akain1,protein_coding	0.11920437	0.6406512
ENSMUSG00000020621.7,Rdh14,protein_coding	0.11919403	0.4632137
ENSMUSG00000108402.2,9430064I24Rik,TEC	0.1191744	0.6864314
ENSMUSG00000091510.7,Mtag2,lncRNA	0.11910821	0.7557793
ENSMUSG00000053846.6,Lipg,protein_coding	0.11884767	0.7909045
ENSMUSG00000001802.17,Lrp3,protein_coding	0.11876229	0.5390695
ENSMUSG00000130996.1,ENSMUSG00000130996,lncRNA	0.11875226	0.727825
ENSMUSG00000010505.17,Myt1,protein_coding	0.11874096	0.6274514
ENSMUSG00000020974.7,Pole2,protein_coding	0.11873397	0.9335776
ENSMUSG00000022389.16,Tef,protein_coding	0.11873113	0.5246713
ENSMUSG00000042331.14,Specc1,protein_coding	0.11872571	0.4186634
ENSMUSG00000065176.3,Rnu12,snRNA	0.11867407	0.7673446
ENSMUSG00000036078.17,Sigmar1,protein_coding	0.11866142	0.524559
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ENSMUSG00000037509.22,Arhgef4,protein_coding	0.11853853	0.4474802
ENSMUSG00000107145.2,Gm43442,processed_pseudogene	0.11853703	0.8816353
ENSMUSG00000031785.17,Adgrg1,protein_coding	0.11850643	0.6107197

ENSMUSG00000102440.2,Pcdhga9,protein_coding	0.11847218	0.5281774
ENSMUSG00000008855.18,Hdac5,protein_coding	0.11842239	0.5530189
ENSMUSG00000031654.17,Cbln1,protein_coding	0.118388	0.8315845
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ENSMUSG00000119994.2,A430046D13Rik,lncRNA	0.11823734	0.5192615
ENSMUSG00000025193.15,Cutc,protein_coding	0.11822929	0.760515
ENSMUSG00000050144.14,Slc25a44,protein_coding	0.11822784	0.4792845
ENSMUSG00000020523.15,Fam114a2,protein_coding	0.11820907	0.2908897
ENSMUSG00000071722.5,Spin4,protein_coding	0.1181991	0.6799496
ENSMUSG00000044734.17,Serpinb1a,protein_coding	0.11808473	0.6894288
ENSMUSG00000106767.2,Gm42727,TEC	0.11808262	0.7651703
ENSMUSG00000024007.16,Ppil1,protein_coding	0.11789133	0.6999083
ENSMUSG00000104626.2,Gm42675,TEC	0.11788547	0.7526103
ENSMUSG00000031661.13,Nkd1,protein_coding	0.11781082	0.5748245
ENSMUSG00000026443.4,Lrrn2,protein_coding	0.11758035	0.5831591
ENSMUSG00000110373.4,Gm42303,lncRNA	0.11757048	0.7493806
ENSMUSG00000029311.17,Hsd17b11,protein_coding	0.11756959	0.3486399
ENSMUSG00000055923.17,Aasdh,protein_coding	0.1175416	0.4765279
ENSMUSG00000104027.2,Gm37211,TEC	0.11753972	0.689856
ENSMUSG00000104100.2,Gm37880,TEC	0.11752947	0.6627701
ENSMUSG00000029602.12,Rasal1,protein_coding	0.11749769	0.6628708
ENSMUSG00000064851.3,Gm24525,snRNA	0.11748976	0.8461753
ENSMUSG00000048327.7,Ckap2l,protein_coding	0.11748784	0.9454474
ENSMUSG00000046093.10,Hpcal4,protein_coding	0.11740801	0.7133941
ENSMUSG00000120273.2,1700018P22Rik,lncRNA	0.11740686	0.7539247
ENSMUSG00000040152.9,Thbs1,protein_coding	0.1173998	0.6837919
ENSMUSG00000030397.12,Mark4,protein_coding	0.1173671	0.5513402
ENSMUSG00000138188.1,ENSMUSG00000138188,lncRNA	0.1173422	0.6221062
ENSMUSG00000029161.9,Cgref1,protein_coding	0.11728321	0.7546024
ENSMUSG00000105003.2,Gm40055,lncRNA	0.11725268	0.8665333
ENSMUSG00000104324.2,Gm37320,TEC	0.1172484	0.7563031
ENSMUSG00000093355.3,Snora26,snoRNA	0.11724609	0.7880859
ENSMUSG00000045503.17,Sys1,protein_coding	0.11724411	0.3523136
ENSMUSG00000017446.15,C1qtnf1,protein_coding	0.11723194	0.6654065
ENSMUSG00000055538.8,Zcchc24,protein_coding	0.11716163	0.3025124
ENSMUSG00000024948.16,Map4k2,protein_coding	0.11711781	0.4548822
ENSMUSG00000070348.6,Ccnd1,protein_coding	0.1170913	0.4903515
ENSMUSG00000049670.10,Morn4,protein_coding	0.11706778	0.6374595
ENSMUSG00000117278.2,Gm36684,lncRNA	0.11703101	0.7398922
ENSMUSG00000036167.17,Pphln1,protein_coding	0.11700076	0.4487488
ENSMUSG00000030683.12,Sez6l2,protein_coding	0.11692472	0.5214196
ENSMUSG00000097032.5,4930539J05Rik,lncRNA	0.11685384	0.5694369
ENSMUSG00000120053.2,1700064N11Rik,lncRNA	0.11681129	0.661914
ENSMUSG00000057388.10,Mrpl18,protein_coding	0.11679487	0.5245882
ENSMUSG00000042680.9,Garem1,protein_coding	0.1167588	0.5366699
ENSMUSG00000020308.8,Tpgs1,protein_coding	0.11675038	0.6241615
ENSMUSG00000035469.18,Rcbtb1,protein_coding	0.11673865	0.3047915
ENSMUSG00000025427.16,Ark2c,protein_coding	0.11670627	0.6278313
ENSMUSG00000054364.6,Rhob,protein_coding	0.11667282	0.3707413
ENSMUSG00000002504.16,Nherf2,protein_coding	0.11665286	0.5058729
ENSMUSG00000049001.6,Ndnf,protein_coding	0.11663996	0.6665884
ENSMUSG00000035762.12,Tmem161b,protein_coding	0.1166207	0.6009016

ENSMUSG00000049504.13,Proser1,protein_coding	0.11658403	0.405776
ENSMUSG00000064357.1,mt-Atp6,protein_coding	0.11657806	0.8035886
ENSMUSG00000078695.9,Cisd3,protein_coding	0.11653554	0.6427465
ENSMUSG00000019437.18,Tlcd1,protein_coding	0.1165342	0.4459524
ENSMUSG00000024048.16,Myl12a,protein_coding	0.11649924	0.8069326
ENSMUSG00000063019.6,Manbal,protein_coding	0.11647682	0.5915617
ENSMUSG00000079055.11,Slc8a3,protein_coding	0.11641737	0.4797814
ENSMUSG00000025373.15,Rnf41,protein_coding	0.11641239	0.2940904
ENSMUSG00000018547.9,Pip4k2b,protein_coding	0.1163999	0.4848098
ENSMUSG00000033623.14,Pcgf3,protein_coding	0.11639278	0.3614611
ENSMUSG00000020482.5,Ccdc117,protein_coding	0.11636899	0.6082085
ENSMUSG00000085586.4,Gm11613,lncRNA	0.11622059	0.4661959
ENSMUSG00000004931.12,Apba3,protein_coding	0.11618379	0.6160768
ENSMUSG00000112955.2,Gm48889,TEC	0.11615066	0.6775933
ENSMUSG00000104197.2,Gm37632,TEC	0.11608058	0.821685
ENSMUSG00000105489.3,Gm38562,lncRNA	0.1159716	0.7947667
ENSMUSG00000039910.11,Cited2,protein_coding	0.11595811	0.620827
ENSMUSG00000029442.20,Cfap251,protein_coding	0.115898	0.7228605
ENSMUSG00000074738.3,Fndc10,protein_coding	0.11587143	0.5427746
ENSMUSG00000024579.8,Pcyox1l,protein_coding	0.11586934	0.4602375
ENSMUSG00000041625.16,Ggact,protein_coding	0.11585979	0.6705042
ENSMUSG00000059895.14,Ptp4a3,protein_coding	0.11580621	0.5214762
ENSMUSG00000002210.12,Smg9,protein_coding	0.11580353	0.5063237
ENSMUSG00000043004.14,Gng2,protein_coding	0.11580213	0.4419549
ENSMUSG00000016946.7,Kctd5,protein_coding	0.11577271	0.4932126
ENSMUSG00000109498.2,Gm45222,TEC	0.11577162	0.6902605
ENSMUSG00000008475.14,Arpc5,protein_coding	0.11568436	0.4712805
ENSMUSG00000025586.18,Cpeb1,protein_coding	0.11568297	0.4728653
ENSMUSG00000021594.12,Srd5a1,protein_coding	0.11565133	0.5998218
ENSMUSG00000030410.17,Dmwd,protein_coding	0.11564172	0.5625906
ENSMUSG00000116305.4,Lncppara,lncRNA	0.11563776	0.571546
ENSMUSG00000019996.18,Map7,protein_coding	0.11556067	0.4209524
ENSMUSG00000100147.5,1700047M11Rik,lncRNA	0.115554	0.6706858
ENSMUSG00000032596.15,Uba7,protein_coding	0.1155438	0.8914507
ENSMUSG00000083274.2,Zcchc9-ps,processed_pseudogene	0.11553855	0.7359342
ENSMUSG00000028782.15,Adgrb2,protein_coding	0.11551568	0.6669105
ENSMUSG00000031072.15,LTO1,protein_coding	0.11551025	0.3602354
ENSMUSG00000051074.7,4930579K19Rik,lncRNA	0.11544631	0.7361615
ENSMUSG00000118477.2,Gm18126,processed_pseudogene	0.11543765	0.8148598
ENSMUSG00000061306.17,Slc38a10,protein_coding	0.11542459	0.4720561
ENSMUSG00000040006.14,Ginm1,protein_coding	0.11540694	0.5223921
ENSMUSG00000035062.14,Zc4h2,protein_coding	0.11539523	0.5780806
ENSMUSG00000018381.16,Abi3,protein_coding	0.11533401	0.8026411
ENSMUSG00000103778.2,Gm36930,TEC	0.11532985	0.7948365
ENSMUSG00000128625.1,ENSMUSG00000128625,lncRNA	0.11529768	0.7329973
ENSMUSG00000042190.13,Cmklr1,protein_coding	0.11526835	0.8050694
ENSMUSG00000065979.13,Cpped1,protein_coding	0.11523282	0.471757
ENSMUSG00000028803.19,Nipal3,protein_coding	0.11520526	0.5214808
ENSMUSG00000001493.10,Meox1,protein_coding	0.11517543	0.784557
ENSMUSG00000025374.14,Nabp2,protein_coding	0.11515706	0.4647337
ENSMUSG00000105454.2,Gm43830,TEC	0.11513578	0.8296348
ENSMUSG00000019297.10,Nop9,protein_coding	0.11513055	0.6329745

ENSMUSG00000026616.17,Cr2,protein_coding	0.11500839	0.944865
ENSMUSG00000024101.16,Washc1,protein_coding	0.11493813	0.4571827
ENSMUSG00000097391.10,Mirg,lncRNA	0.11492806	0.6329435
ENSMUSG00000107655.2,Gm44220,TEC	0.11492096	0.7267312
ENSMUSG00000030720.17,Cln3,protein_coding	0.11487515	0.5812221
ENSMUSG00000023170.15,Gps2,protein_coding	0.11485702	0.4699381
ENSMUSG00000008167.15,Fbxw9,protein_coding	0.11477775	0.6321992
ENSMUSG00000042770.9,Hebp1,protein_coding	0.11476912	0.6597986
ENSMUSG00000084029.2,Gm8855,processed_pseudogene	0.11475506	0.7786212
ENSMUSG00000040746.16,Rnf167,protein_coding	0.11473726	0.394033
ENSMUSG00000050640.17,Tmem150c,protein_coding	0.11462676	0.5358743
ENSMUSG00000071647.6,Eml3,protein_coding	0.11462279	0.6378201
ENSMUSG00000056529.8,Ptafr,protein_coding	0.11457458	0.8702359
ENSMUSG00000029560.13,Snx8,protein_coding	0.1145229	0.7431325
ENSMUSG00000104406.2,Gm38014,TEC	0.11443703	0.7175463
ENSMUSG00000014498.10,Ankrd52,protein_coding	0.11442725	0.331983
ENSMUSG00000053925.7,Gm9929,lncRNA	0.11439757	0.8344408
ENSMUSG00000100862.2,Atp6-ps,unprocessed_pseudogene	0.11436698	0.7917795
ENSMUSG00000136769.1,ENSMUSG00000136769,lncRNA	0.11432727	0.7654264
ENSMUSG00000025377.15,Tepsin,protein_coding	0.11429447	0.5480954
ENSMUSG00000090449.2,Gm17076,processed_pseudogene	0.11427973	0.7660783
ENSMUSG00000036960.11,Clca2,protein_coding	0.11424572	0.9494432
ENSMUSG00000021221.17,Dpf3,protein_coding	0.11421497	0.7315412
ENSMUSG00000097414.4,B130046B21Rik,lncRNA	0.11421474	0.7439195
ENSMUSG00000023966.9,Rsph9,protein_coding	0.11412674	0.7734456
ENSMUSG00000047547.15,Cltb,protein_coding	0.1140859	0.4500447
ENSMUSG00000004846.11,Plod3,protein_coding	0.11405605	0.5199144
ENSMUSG00000054450.2,Gm9945,TEC	0.1140427	0.8450386
ENSMUSG00000097330.4,Gm26672,lncRNA	0.11387076	0.6904406
ENSMUSG00000024777.11,Ppp2r5b,protein_coding	0.11382349	0.5440523
ENSMUSG00000059183.13,Mtfmt,protein_coding	0.11381704	0.4691577
ENSMUSG00000063296.6,Tmem117,protein_coding	0.11377814	0.5791224
ENSMUSG00000030149.16,Klrk1,protein_coding	0.11368564	0.9289949
ENSMUSG00000107433.2,Gm43882,TEC	0.1136804	0.6955448
ENSMUSG00000000441.18,Raf1,protein_coding	0.11364545	0.3804772
ENSMUSG00000001741.13,Il16,protein_coding	0.11360395	0.8258574
ENSMUSG00000036246.15,Gmip,protein_coding	0.11359935	0.7569666
ENSMUSG00000029229.9,Chic2,protein_coding	0.11356563	0.5418556
ENSMUSG00000030852.19,Tacc2,protein_coding	0.11356476	0.4936922
ENSMUSG00000102989.2,Gm38318,TEC	0.11346158	0.7898832
ENSMUSG00000101892.2,9130401M01Rik,protein_coding	0.1134405	0.4931743
ENSMUSG00000038206.14,Fbxo8,protein_coding	0.11341526	0.6007309
ENSMUSG00000037860.16,Aim2,protein_coding	0.11339283	0.9255353
ENSMUSG00000007610.17,Gtpbp3,protein_coding	0.11338983	0.4998379
ENSMUSG00000087200.3,Lrp8os3,lncRNA	0.11327784	0.7824718
ENSMUSG00000042429.10,Adora1,protein_coding	0.11324557	0.5103349
ENSMUSG00000118099.3,Gm31356,lncRNA	0.11313235	0.7929485
ENSMUSG00000107286.2,Gm43788,TEC	0.11311874	0.5971797
ENSMUSG00000051550.11,Zfp579,protein_coding	0.11311824	0.5671283
ENSMUSG00000097251.4,5033417F24Rik,lncRNA	0.11310936	0.6773829
ENSMUSG00000143972.1,ENSMUSG00000143972,lncRNA	0.11310261	0.8141628
ENSMUSG00000026819.16,Slc25a25,protein_coding	0.11308205	0.4107035

ENSMUSG00000106062.2,Gm43820,TEC	0.11308082	0.7915616
ENSMUSG00000117254.4,Gm34567,lncRNA	0.11302225	0.787936
ENSMUSG00000141748.1,ENSMUSG00000141748,lncRNA	0.11301762	0.6888397
ENSMUSG00000022463.9,Srebf2,protein_coding	0.11300188	0.4103401
ENSMUSG00000139940.1,ENSMUSG00000139940,lncRNA	0.11298509	0.6585049
ENSMUSG00000019254.17,Ppp1r12c,protein_coding	0.1129604	0.5093404
ENSMUSG00000003546.11,Klc4,protein_coding	0.11291152	0.5907598
ENSMUSG00000110537.3,Gm4316,lncRNA	0.11290559	0.9320569
ENSMUSG00000038255.7,Neurod2,protein_coding	0.11289852	0.5776131
ENSMUSG00000038352.16,Arl5c,protein_coding	0.11285565	0.8857008
ENSMUSG00000028804.21,Csmd2,protein_coding	0.1128207	0.6279362
ENSMUSG00000108494.2,Gm45203,TEC	0.11277604	0.6695128
ENSMUSG00000104181.2,Gm8850,processed_pseudogene	0.11275361	0.7925459
ENSMUSG00000127923.1,ENSMUSG00000127923,lncRNA	0.11274001	0.8772575
ENSMUSG00000117042.3,2700054A10Rik,lncRNA	0.11273051	0.590486
ENSMUSG00000001288.16,Rarg,protein_coding	0.11268358	0.5664238
ENSMUSG00000025231.18,Sufu,protein_coding	0.11268145	0.3806367
ENSMUSG00000030752.9,Kdm8,protein_coding	0.11265106	0.728576
ENSMUSG00000047153.5,Khnyn,protein_coding	0.11263436	0.6421974
ENSMUSG00000001794.14,Capns1,protein_coding	0.11257706	0.5177192
ENSMUSG00000034990.16,Otoa,protein_coding	0.11246528	0.730729
ENSMUSG00000020866.18,Cacna1g,protein_coding	0.11240762	0.6258389
ENSMUSG00000109461.2,Gm44848,TEC	0.11239299	0.7259457
ENSMUSG00000004961.8,Syt5,protein_coding	0.11238531	0.7389596
ENSMUSG00000107155.2,Gm43793,TEC	0.1123751	0.6312912
ENSMUSG00000011884.14,Gltp,protein_coding	0.11235269	0.5171518
ENSMUSG00000023088.18,Abcc1,protein_coding	0.11234846	0.4809095
ENSMUSG00000041594.19,Tmtc4,protein_coding	0.11231996	0.5762555
ENSMUSG00000015599.10,Ttbk1,protein_coding	0.11230033	0.5780835
ENSMUSG00000005950.15,P2rx5,protein_coding	0.11229911	0.8345945
ENSMUSG00000075463.5,4930594M22Rik,lncRNA	0.11224056	0.7890363
ENSMUSG00000094441.3,Zfp955a,protein_coding	0.11223671	0.5845374
ENSMUSG00000121029.2,Gm57398,lncRNA	0.11223272	0.876948
ENSMUSG00000125590.1,ENSMUSG00000125590,lncRNA	0.11223233	0.6198836
ENSMUSG00000105636.2,Gm43625,lncRNA	0.11222394	0.8155193
ENSMUSG00000037031.11,Tspan15,protein_coding	0.1122199	0.4341979
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ENSMUSG00000032602.7,Slc25a20,protein_coding	0.11221352	0.5675829
ENSMUSG00000107411.2,Gm19040,processed_pseudogene	0.11213453	0.6370909
ENSMUSG00000087775.3,Rprl2,ribozyme	0.11212598	0.7854409
ENSMUSG00000089832.9,Shkbp1,protein_coding	0.1120667	0.6795438
ENSMUSG00000089911.5,Mfsd14a,protein_coding	0.112047	0.3483469
ENSMUSG00000025209.6,Twnk,protein_coding	0.11201061	0.4954945
ENSMUSG00000030806.7,Stx1b,protein_coding	0.1119355	0.5323802
ENSMUSG00000103976.2,Gm37677,TEC	0.11191939	0.6838788
ENSMUSG00000025870.11,Arl10,protein_coding	0.11191525	0.7476855
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ENSMUSG00000042873.12,Lhfpl4,protein_coding	0.11188628	0.5860596
ENSMUSG00000036644.16,Tbc1d9b,protein_coding	0.11187366	0.4699359
ENSMUSG00000030533.17,Unc45a,protein_coding	0.11186477	0.456098
ENSMUSG00000056947.6,Mab21l1,protein_coding	0.11179072	0.7931816
ENSMUSG00000029592.12,Usp30,protein_coding	0.11176533	0.5180299

ENSMUSG00000104821.2,Gm42481,TEC	0.11153348	0.7582306
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ENSMUSG00000041143.17,Tmco4,protein_coding	0.11143114	0.8727974
ENSMUSG00000025265.15,Fgd1,protein_coding	0.11141553	0.5326529
ENSMUSG00000031916.18,Cog8,protein_coding	0.11135094	0.3957383
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ENSMUSG00000023961.17,Enpp4,protein_coding	0.11128563	0.4606801
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ENSMUSG00000116888.2,7120432I05Rik,TEC	0.11092994	0.7308041
ENSMUSG00000034462.10,Pkd2,protein_coding	0.11091045	0.5163247
ENSMUSG00000053581.14,Zfand2a,protein_coding	0.11089145	0.4548388
ENSMUSG00000097494.10,4933406C10Rik,lncRNA	0.11082629	0.7181346
ENSMUSG00000037548.16,H2-DMb2,protein_coding	0.1108258	0.9688978
ENSMUSG00000060149.10,BC002059,lncRNA	0.11078114	0.6609669
ENSMUSG00000020219.8,Timm13,protein_coding	0.11073648	0.6684167
ENSMUSG00000036098.16,Myrf,protein_coding	0.11073319	0.5521413
ENSMUSG00000132604.1,ENSMUSG00000132604,lncRNA	0.11068941	0.8697641
ENSMUSG00000059482.16,Cfap418,protein_coding	0.1106719	0.5838026
ENSMUSG00000143934.1,ENSMUSG00000143934,lncRNA	0.11058363	0.7563401
ENSMUSG00000030089.16,Slc41a3,protein_coding	0.1105828	0.7193384
ENSMUSG00000063450.15,Syne2,protein_coding	0.11055042	0.6308561
ENSMUSG00000042460.6,C1galt1,protein_coding	0.11048839	0.673812
ENSMUSG00000036760.8,Kcnk9,protein_coding	0.11043167	0.5149278
ENSMUSG00000139426.1,ENSMUSG00000139426,lncRNA	0.11038458	0.7198304
ENSMUSG00000026470.15,Stx6,protein_coding	0.11034275	0.3408469
ENSMUSG00000048120.17,Entpd1,protein_coding	0.11032171	0.7038762
ENSMUSG00000070939.10,Tgfbrap1,protein_coding	0.11023636	0.3212561
ENSMUSG00000035629.20,Rubcn,protein_coding	0.11023619	0.3893326
ENSMUSG00000091475.8,Cerox1,lncRNA	0.11020976	0.5746536
ENSMUSG00000106391.3,Gm42690,TEC	0.11017902	0.8161804
ENSMUSG00000021635.15,Rad17,protein_coding	0.1101727	0.58337
ENSMUSG00000038168.6,P3h2,protein_coding	0.11012874	0.6699438
ENSMUSG00000039145.17,Camk1d,protein_coding	0.11011138	0.5017387
ENSMUSG00000103996.2,4833421G17Rik,TEC	0.11007744	0.7432148
ENSMUSG00000138082.1,ENSMUSG00000138082,lncRNA	0.11005221	0.6456233
ENSMUSG00000045114.11,Prrt2,protein_coding	0.11005043	0.6152954
ENSMUSG00000041733.11,Coq5,protein_coding	0.11004036	0.3844307
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ENSMUSG00000032850.17,Rnft2,protein_coding	0.10997484	0.6118838
ENSMUSG00000011306.8,Sugp1,protein_coding	0.10992716	0.3223573
ENSMUSG00000121226.1,6720407P12Rik,lncRNA	0.10991456	0.6352958
ENSMUSG00000041406.15,Firrm,protein_coding	0.10985447	0.8950153
ENSMUSG00000046873.19,Mbtps2,protein_coding	0.10981961	0.5087486
ENSMUSG00000071745.2,Pwwp4b,protein_coding	0.10979829	0.8870615
ENSMUSG00000059316.3,Slc27a4,protein_coding	0.10966564	0.6337727
ENSMUSG00000098022.8,Zfp82,protein_coding	0.10964142	0.56545
ENSMUSG00000002881.15,Nab1,protein_coding	0.10961837	0.521751
ENSMUSG00000120608.2,Gm56652,lncRNA	0.1096009	0.8236065
ENSMUSG00000051256.11,Jagn1,protein_coding	0.10953378	0.4717345
ENSMUSG00000118715.1,Gm23805,snRNA	0.1094614	0.8560097
ENSMUSG00000022020.16,Naa16,protein_coding	0.10943808	0.7200902

ENSMUSG00000045136.7,Tubb2b,protein_coding	0.10939163	0.4411845
ENSMUSG00000025144.18,Cenpx,protein_coding	0.10932546	0.7378556
ENSMUSG00000002871.15,Tpra1,protein_coding	0.10930922	0.5686209
ENSMUSG00000024909.16,Efemp2,protein_coding	0.10929327	0.6597661
ENSMUSG00000075511.12,1700001L05Rik,lncRNA	0.10924756	0.5888494
ENSMUSG00000118559.3,A930007A09Rik,protein_coding	0.10924681	0.6342494
ENSMUSG00000042359.19,Osbpl6,protein_coding	0.10924312	0.3925789
ENSMUSG00000026409.15,Pfkfb2,protein_coding	0.10922907	0.3896147
ENSMUSG00000028890.14,Mtf1,protein_coding	0.1091845	0.2758768
ENSMUSG00000029073.10,Cptp,protein_coding	0.10915906	0.6329836
ENSMUSG00000087577.3,Gm13299,lncRNA	0.10911208	0.6915694
ENSMUSG00000020090.8,Npffr1,protein_coding	0.10911117	0.8630719
ENSMUSG00000090168.3,D630014O11Rik,lncRNA	0.10911014	0.7622126
ENSMUSG00000038048.9,Cntnap5c,protein_coding	0.10906888	0.6252882
ENSMUSG00000081156.2,Gm14425,transcribed_processed_pseudogene	0.10906266	0.7312442
ENSMUSG00000110471.2,Gm45823,lncRNA	0.10903222	0.7621893
ENSMUSG00000006498.17,Ptbp1,protein_coding	0.10902083	0.8090935
ENSMUSG00000068105.12,Tnfrsf13c,protein_coding	0.10900999	0.9466679
ENSMUSG00000017774.20,Myo1c,protein_coding	0.10893668	0.7055016
ENSMUSG00000026500.7,Cox20,protein_coding	0.10891505	0.5957686
ENSMUSG00000022098.11,Bmp1,protein_coding	0.1088904	0.6635277
ENSMUSG00000036565.8,Ttyh3,protein_coding	0.10885618	0.6064334
ENSMUSG00000021179.9,Nrde2,protein_coding	0.10885298	0.5010884
ENSMUSG00000119029.1,Gm25617,snoRNA	0.1088471	0.7490835
ENSMUSG00000020864.14,Ankrd40,protein_coding	0.10884413	0.3671592
ENSMUSG00000079157.5,Nalf1,protein_coding	0.1088097	0.4205885
ENSMUSG00000019970.16,Sgk1,protein_coding	0.10880362	0.7325374
ENSMUSG00000025579.15,Gaa,protein_coding	0.10869377	0.7117507
ENSMUSG00000112075.2,Gm47700,TEC	0.10863747	0.7650839
ENSMUSG00000013822.8,Elof1,protein_coding	0.10862511	0.5516697
ENSMUSG00000017837.13,Nkiras2,protein_coding	0.10860307	0.6504794
ENSMUSG00000035877.18,Zhx3,protein_coding	0.10859135	0.4113213
ENSMUSG00000039701.12,Usp53,protein_coding	0.10849616	0.5591903
ENSMUSG00000120400.2,Gm3134,lncRNA	0.10846519	0.7721778
ENSMUSG00000029082.18,Bst1,protein_coding	0.10846371	0.9187448
ENSMUSG00000117521.2,Gm50024,lncRNA	0.108449	0.9102829
ENSMUSG00000013236.18,Ptprs,protein_coding	0.10839839	0.5927761
ENSMUSG00000035372.3,1810055G02Rik,protein_coding	0.10838815	0.5495174
ENSMUSG00000121084.2,Gm56860,lncRNA	0.10837696	0.6693842
ENSMUSG00000105033.2,Gm43423,TEC	0.10830243	0.8192568
ENSMUSG00000107041.2,Gm42735,TEC	0.10825244	0.7249525
ENSMUSG00000026411.18,Tmem9,protein_coding	0.10817448	0.522249
ENSMUSG00000133370.1,ENSMUSG00000133370,lncRNA	0.10810152	0.8345166
ENSMUSG00000012117.14,Dhdds,protein_coding	0.1080561	0.393733
ENSMUSG00000034681.18,Rnps1,protein_coding	0.10804152	0.3709306
ENSMUSG00000095123.2,Gm21781,lncRNA	0.10802142	0.5949582
ENSMUSG00000103495.2,Gm37409,TEC	0.10801306	0.7163302
ENSMUSG00000029223.13,Uchl1,protein_coding	0.10796925	0.7183737
ENSMUSG00000019876.16,Pkib,protein_coding	0.10791299	0.8131493
ENSMUSG00000044471.15,Lncpint,lncRNA	0.10789774	0.5844941
ENSMUSG00000047085.15,Lrrc4b,protein_coding	0.10787032	0.5479499
ENSMUSG00000024764.11,Naa40,protein_coding	0.10783903	0.486894

ENSMUSG00000140290.1,ENSMUSG00000140290,lncRNA	0.10782923	0.694702
ENSMUSG00000013921.16,Clip3,protein_coding	0.10776827	0.4793947
ENSMUSG00000026558.14,Uck2,protein_coding	0.10774068	0.5788907
ENSMUSG00000014164.16,Klhl3,protein_coding	0.10771952	0.5687628
ENSMUSG00000045039.10,Megf8,protein_coding	0.10771337	0.5959688
ENSMUSG00000116883.4,Gm49700,lncRNA	0.10769911	0.7998773
ENSMUSG00000027959.15,Sass6,protein_coding	0.10768941	0.7302139
ENSMUSG00000019320.15,Noxo1,protein_coding	0.10768729	0.7682102
ENSMUSG00000109162.2,2900027M19Rik,TEC	0.10764819	0.5987614
ENSMUSG00000031950.8,Gabarapl2,protein_coding	0.10764425	0.4478521
ENSMUSG00000029759.10,Pon3,protein_coding	0.10762488	0.8695752
ENSMUSG00000023939.8,Mrpl14,protein_coding	0.10762395	0.7604413
ENSMUSG00000025558.20,Dock9,protein_coding	0.10761806	0.4470482
ENSMUSG00000115381.2,Gm49266,TEC	0.10760471	0.7594007
ENSMUSG00000105290.2,Gm43528,TEC	0.10758322	0.7487187
ENSMUSG00000025170.14,Rab40b,protein_coding	0.10758268	0.7322306
ENSMUSG00000054520.16,Sh3bp2,protein_coding	0.10756977	0.831214
ENSMUSG00000061991.3,H2ac10,protein_coding	0.10738472	0.9640548
ENSMUSG00000035505.15,Cox18,protein_coding	0.1073836	0.5306283
ENSMUSG00000021253.8,Tgfb3,protein_coding	0.10734966	0.4891442
ENSMUSG00000051343.12,Rab11fip5,protein_coding	0.10734742	0.5504792
ENSMUSG00000032459.10,Mrps22,protein_coding	0.10724785	0.441179
ENSMUSG00000007097.15,Atp1a2,protein_coding	0.10719624	0.4066574
ENSMUSG00000034832.16,Tet3,protein_coding	0.1071826	0.4457611
ENSMUSG00000081225.4,Cyp2j12,protein_coding	0.10709605	0.7890646
ENSMUSG00000051747.17,Ttn,protein_coding	0.10708071	0.855351
ENSMUSG00000092549.2,Gm20491,processed_pseudogene	0.1070403	0.746467
ENSMUSG00000073591.5,Pcdhb22,protein_coding	0.10701133	0.5102536
ENSMUSG00000049511.6,Htr1b,protein_coding	0.10700431	0.6601038
ENSMUSG00000053128.16,Rnf26,protein_coding	0.1069639	0.6638364
ENSMUSG00000037944.9,Ccr7,protein_coding	0.10691309	0.958605
ENSMUSG00000104868.2,Nwd2os,TEC	0.10691307	0.7084708
ENSMUSG00000119106.1,Gm23330,snRNA	0.10690029	0.7969322
ENSMUSG00000018541.11,Cwc25,protein_coding	0.10687318	0.3601934
ENSMUSG00000030659.15,Nucb2,protein_coding	0.10687141	0.5915625
ENSMUSG00000106678.2,Gm43457,TEC	0.10681977	0.6109284
ENSMUSG00000027624.21,Epb41l1,protein_coding	0.1067495	0.5408691
ENSMUSG00000031935.10,Med17,protein_coding	0.10672816	0.4334472
ENSMUSG00000078440.11,Dohh,protein_coding	0.10671289	0.5945009
ENSMUSG00000079444.10,Gm21981,protein_coding	0.10670997	0.8164374
ENSMUSG00000027284.17,Cdan1,protein_coding	0.10662064	0.4252271
ENSMUSG00000032024.11,Clmp,protein_coding	0.10654115	0.673768
ENSMUSG00000030172.16,Erc1,protein_coding	0.10653067	0.6420395
ENSMUSG00000022594.15,Lynx1,protein_coding	0.1064847	0.5833588
ENSMUSG00000105495.2,Gm42995,TEC	0.10646921	0.7251106
ENSMUSG00000042992.16,Borcs5,protein_coding	0.10645195	0.5931386
ENSMUSG00000025203.7,Scd2,protein_coding	0.10640483	0.37826
ENSMUSG00000022865.15,Cxadr,protein_coding	0.10638735	0.6538071
ENSMUSG00000032288.10,Imp3,protein_coding	0.10631539	0.6435517
ENSMUSG00000043059.17,Zfp513,protein_coding	0.10630636	0.5290462
ENSMUSG00000055044.13,Pdlim1,protein_coding	0.10628575	0.6321759
ENSMUSG00000040705.4,A930016O22Rik,lncRNA	0.10627916	0.8153431

ENSMUSG00000095545.9,Zfp969,protein_coding	0.10627725	0.6718702
ENSMUSG00000042570.16,Mier2,protein_coding	0.10627394	0.4826841
ENSMUSG00000037315.16,Jade3,protein_coding	0.1062277	0.5638066
ENSMUSG00000053080.11,Zfta,protein_coding	0.10621789	0.4539677
ENSMUSG00000027255.15,Arfgap2,protein_coding	0.10621789	0.3773928
ENSMUSG00000043168.14,4930426D05Rik,lncRNA	0.1061874	0.8939848
ENSMUSG00000006403.14,Adamts4,protein_coding	0.10614634	0.548725
ENSMUSG00000029123.9,Stk32b,protein_coding	0.10605097	0.8001239
ENSMUSG00000032913.14,Lrig2,protein_coding	0.10600514	0.373524
ENSMUSG00000031373.5,Car5b,protein_coding	0.10595938	0.659379
ENSMUSG00000041153.10,Osgin2,protein_coding	0.10595537	0.6049513
ENSMUSG00000110159.2,Gm45501,TEC	0.1059285	0.6129668
ENSMUSG00000113650.2,Gm47826,TEC	0.1059172	0.6219053
ENSMUSG00000039254.17,Pomt1,protein_coding	0.10590355	0.4899551
ENSMUSG00000024958.15,Gpr137,protein_coding	0.10586858	0.6581448
ENSMUSG00000035781.16,R3hdm4,protein_coding	0.10586472	0.6566467
ENSMUSG00000039515.12,Ptpa,protein_coding	0.1058	0.5030396
ENSMUSG00000002963.18,Pnkp,protein_coding	0.10577275	0.506978
ENSMUSG00000073755.5,5730409E04Rik,protein_coding	0.10575668	0.5915825
ENSMUSG00000040372.3,Gpr63,protein_coding	0.10574093	0.6581651
ENSMUSG00000025995.17,Wdr75,protein_coding	0.10572139	0.5854091
ENSMUSG00000062646.13,Ganc,protein_coding	0.10571462	0.5773459
ENSMUSG00000112637.2,Gm48225,TEC	0.10568433	0.7586813
ENSMUSG00000115148.2,Gm49125,TEC	0.10568264	0.6546515
ENSMUSG00000020455.17,Trim11,protein_coding	0.10565469	0.5529559
ENSMUSG00000083012.10,Fam220a,protein_coding	0.10561519	0.3767987
ENSMUSG00000045038.15,Prkce,protein_coding	0.10558831	0.6224011
ENSMUSG00000040356.17,Skic2,protein_coding	0.10556963	0.4799253
ENSMUSG00000032743.16,Katnip,protein_coding	0.10556924	0.4241768
ENSMUSG00000003662.11,Ciao1,protein_coding	0.10556618	0.522313
ENSMUSG00000040055.10,Gjb6,protein_coding	0.10555924	0.5846357
ENSMUSG00000110195.3,Pde2a,protein_coding	0.10554234	0.7187206
ENSMUSG00000020961.16,Ston2,protein_coding	0.10552449	0.4665136
ENSMUSG00000060240.14,Cend1,protein_coding	0.10548492	0.5895369
ENSMUSG00000031858.18,Mau2,protein_coding	0.10547256	0.3590858
ENSMUSG00000038777.20,Sema6c,protein_coding	0.105456	0.6303635
ENSMUSG00000052911.10,Lamb2,protein_coding	0.10529765	0.5721349
ENSMUSG00000142802.1,ENSMUSG00000142802,lncRNA	0.10529295	0.7017771
ENSMUSG00000030298.11,Sec13,protein_coding	0.10528827	0.4876713
ENSMUSG00002076348.1,Gm55604,misc_RNA	0.1052671	0.6074708
ENSMUSG00000037089.12,Slc35b2,protein_coding	0.10526086	0.5936105
ENSMUSG00000097162.5,2310010J17Rik,lncRNA	0.10522787	0.738446
ENSMUSG00000081104.2,Gm15989,processed_pseudogene	0.10521168	0.8065916
ENSMUSG00000034390.17,Cmip,protein_coding	0.10520122	0.5727031
ENSMUSG00000030638.14,Sh3gl3,protein_coding	0.10515101	0.6324841
ENSMUSG00000103928.2,Gm37893,TEC	0.10512273	0.7137576
ENSMUSG00000028247.3,Coq3,protein_coding	0.10511698	0.5457607
ENSMUSG00000112391.2,Gm48230,TEC	0.10511462	0.7247362
ENSMUSG00000036678.9,Aaas,protein_coding	0.10509759	0.6465197
ENSMUSG00000042507.16,Mideas,protein_coding	0.10506526	0.5440637
ENSMUSG00000038023.13,Atp6v0a2,protein_coding	0.10506359	0.2532556
ENSMUSG00000109945.3,Gm45601,lncRNA	0.10502481	0.7408402

ENSMUSG00000022404.9,Slc25a17,protein_coding	0.10498333	0.6161286
ENSMUSG00000030987.6,Stim1,protein_coding	0.10497371	0.3588767
ENSMUSG00000114266.2,Gm10403,TEC	0.10491626	0.805824
ENSMUSG00000040722.8,Scamp5,protein_coding	0.10491086	0.6042802
ENSMUSG00000059772.13,Slx1b,protein_coding	0.10482572	0.4842106
ENSMUSG00000031792.16,Usb1,protein_coding	0.1048135	0.666704
ENSMUSG00000046667.15,Rbm12b1,protein_coding	0.10478389	0.5733161
ENSMUSG00000033249.11,Hsf4,protein_coding	0.10477773	0.7850569
ENSMUSG00000086665.4,Gm13067,lncRNA	0.10473943	0.7930072
ENSMUSG00000059631.9,1500035N22Rik,lncRNA	0.10471789	0.8329951
ENSMUSG00000097573.5,G730003C15Rik,lncRNA	0.10469465	0.7900753
ENSMUSG00000018659.13,Pnpo,protein_coding	0.10465604	0.6264063
ENSMUSG00000003585.14,Sec14l2,protein_coding	0.10463554	0.6064159
ENSMUSG00000027551.16,Zfp64,protein_coding	0.10461489	0.4661489
ENSMUSG00000049086.9,Bmyc,protein_coding	0.10460134	0.6193717
ENSMUSG00000026489.14,Coq8a,protein_coding	0.10457562	0.6206977
ENSMUSG00000030741.16,Spns1,protein_coding	0.1045606	0.5527695
ENSMUSG00000039463.16,Slc9a8,protein_coding	0.10454777	0.502287
ENSMUSG00000026856.15,Dolpp1,protein_coding	0.10446721	0.54987
ENSMUSG00000103209.2,Gm37331,TEC	0.104459	0.7432574
ENSMUSG00000024404.8,Riok3,protein_coding	0.10440783	0.352567
ENSMUSG00000008450.9,Nutf2,protein_coding	0.10438157	0.8258836
ENSMUSG00000046792.9,Zfp787,protein_coding	0.10438061	0.5894283
ENSMUSG00000016528.11,Mapkapk2,protein_coding	0.10431408	0.6351506
ENSMUSG00000022558.17,Mroh1,protein_coding	0.10424607	0.4871624
ENSMUSG00000049295.18,Zfp219,protein_coding	0.1042134	0.6249533
ENSMUSG00000057561.12,Eif1a,protein_coding	0.10419513	0.6904842
ENSMUSG00000080727.5,C920021L13Rik,lncRNA	0.10415424	0.7562274
ENSMUSG00000052419.8,Smim30,protein_coding	0.10413708	0.5185256
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ENSMUSG00000036095.12,Dgkb,protein_coding	0.10405478	0.7722288
ENSMUSG00000102419.2,Gm36940,TEC	0.10400369	0.7592699
ENSMUSG00000073987.5,Ggh,protein_coding	0.10400047	0.6542509
ENSMUSG00000075324.14,Fign,protein_coding	0.10399933	0.5853714
ENSMUSG00000028958.16,Tmub1,protein_coding	0.1039701	0.5863069
ENSMUSG00000020190.14,Mknk2,protein_coding	0.10396223	0.7337615
ENSMUSG00000025880.13,Smad7,protein_coding	0.1039453	0.4961117
ENSMUSG00000026424.9,Gpr37l1,protein_coding	0.10394413	0.538669
ENSMUSG00000031388.15,Naa10,protein_coding	0.10393867	0.5337675
ENSMUSG00000045519.16,Zfp560,protein_coding	0.10392017	0.5628536
ENSMUSG00000115149.4,9330188P03Rik,lncRNA	0.10391794	0.77051
ENSMUSG00000074892.10,B3galt5,protein_coding	0.10388506	0.5096275
ENSMUSG00000031669.11,Gins3,protein_coding	0.10388318	0.765198
ENSMUSG00000068699.13,Flnc,protein_coding	0.10386087	0.8140367
ENSMUSG00000109095.2,Gm44799,TEC	0.10372371	0.652342
ENSMUSG00000106825.2,2510016D11Rik,TEC	0.10370035	0.7388501
ENSMUSG00000058297.17,Spock2,protein_coding	0.1036965	0.567643
ENSMUSG00000104910.2,Gm43331,lncRNA	0.10367634	0.7366149
ENSMUSG00000041836.11,Ptpre,protein_coding	0.10367289	0.4598237
ENSMUSG00000026885.14,Ttll11,protein_coding	0.10364623	0.609732
ENSMUSG00000026821.17,Ralgds,protein_coding	0.10364356	0.5217852
ENSMUSG00000032908.10,Sgpp2,protein_coding	0.10363476	0.6125985

ENSMUSG00000097779.5,4833407H14Rik,lncRNA	0.10361431	0.9715124
ENSMUSG00000056220.15,Pla2g4a,protein_coding	0.10357521	0.7521612
ENSMUSG00000036452.19,Arhgap26,protein_coding	0.10355838	0.527986
ENSMUSG00000054958.7,Nt5c1a,protein_coding	0.10350902	0.7594801
ENSMUSG00000120035.2,Gm32934,lncRNA	0.10344377	0.802342
ENSMUSG00000029054.9,Gabrd,protein_coding	0.10342904	0.6737642
ENSMUSG00000114369.4,Gm41077,lncRNA	0.10340393	0.7469218
ENSMUSG00000144194.3,4933421O10Rik,lncRNA	0.10336679	0.5337446
ENSMUSG00000074796.11,Slc4a11,protein_coding	0.10334821	0.8189697
ENSMUSG00000055862.8,Izumo4,protein_coding	0.10334148	0.6001914
ENSMUSG00000037071.4,Scd1,protein_coding	0.10325743	0.4367481
ENSMUSG00000021025.9,Nfkbia,protein_coding	0.10324028	0.8679754
ENSMUSG00000073139.10,Tmem185a,protein_coding	0.10314987	0.5238662
ENSMUSG00000121225.1,Gm57457,lncRNA	0.10314139	0.6224397
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ENSMUSG00000138458.1,ENSMUSG00000138458,lncRNA	0.10310062	0.7862242
ENSMUSG00000037204.8,Atg101,protein_coding	0.10309655	0.6520367
ENSMUSG00000109640.2,Gm45413,TEC	0.10309003	0.6349892
ENSMUSG00000027882.19,Stxbp3,protein_coding	0.10306576	0.7112804
ENSMUSG00000006288.9,Ttc5,protein_coding	0.10305261	0.3190401
ENSMUSG00000023971.10,Rrp36,protein_coding	0.1030107	0.6387514
ENSMUSG00000003184.16,Irf3,protein_coding	0.10300273	0.6813578
ENSMUSG00000030282.15,Cmas,protein_coding	0.10297779	0.4874654
ENSMUSG00000072258.12,Taf1a,protein_coding	0.10294381	0.5580292
ENSMUSG00000015575.16,Atp6v0e,protein_coding	0.10286851	0.4702454
ENSMUSG00000034473.15,Sec22a,protein_coding	0.10285346	0.4920877
ENSMUSG00000001729.15,Akt1,protein_coding	0.10280022	0.4960717
ENSMUSG00000038286.12,Bphl,protein_coding	0.10276527	0.6260027
ENSMUSG00000036523.17,Greb1,protein_coding	0.10276523	0.6522336
ENSMUSG00000030604.10,Zfp626,protein_coding	0.10273499	0.457278
ENSMUSG00000032278.12,Paqr5,protein_coding	0.10272505	0.8089332
ENSMUSG00000041959.15,S100a10,protein_coding	0.10270618	0.6950422
ENSMUSG00000032872.17,Cyb5r4,protein_coding	0.10269168	0.5385038
ENSMUSG00000021773.12,Comtd1,protein_coding	0.10252087	0.7297861
ENSMUSG00000028441.13,Spmip6,protein_coding	0.10250086	0.8497874
ENSMUSG00000130714.1,ENSMUSG00000130714,lncRNA	0.10248956	0.7001963
ENSMUSG00000051391.10,Ywhag,protein_coding	0.10248083	0.5709133
ENSMUSG00000043496.8,Tril,protein_coding	0.10244863	0.4485821
ENSMUSG00000027896.16,Slc16a4,protein_coding	0.10243998	0.7460887
ENSMUSG00000064284.13,Cdpf1,protein_coding	0.10237044	0.702441
ENSMUSG00000105201.2,Gm43362,TEC	0.10233726	0.7312628
ENSMUSG00000109013.2,Gm44723,TEC	0.10217855	0.9020299
ENSMUSG00000028068.15,Iqgap3,protein_coding	0.10217391	0.9168075
ENSMUSG00000032295.16,Man2c1,protein_coding	0.10215092	0.4518453
ENSMUSG00000067916.10,Zfp991,protein_coding	0.1021289	0.8354999
ENSMUSG00000062157.7,Ifnlr1,protein_coding	0.10211093	0.9594292
ENSMUSG00000107690.2,Gm44044,TEC	0.10210952	0.7459178
ENSMUSG00000032126.17,Hmbs,protein_coding	0.10210518	0.6152829
ENSMUSG00000045817.9,Zfp36l2,protein_coding	0.10208024	0.692488
ENSMUSG00000090115.8,Usp49,protein_coding	0.10205738	0.4053351
ENSMUSG00000035164.9,Zc3h12c,protein_coding	0.10198384	0.5755921
ENSMUSG00000095597.4,Rps7-ps3,transcribed_processed_pseudogene	0.10193213	0.7318543

ENSMUSG00000020431.6,Adcy1,protein_coding	0.10192662	0.6942509
ENSMUSG00000044081.10,Zfp85os,lncRNA	0.10189647	0.5609796
ENSMUSG00000015488.15,Cacfd1,protein_coding	0.10184168	0.4520869
ENSMUSG00000129512.1,ENSMUSG00000129512,lncRNA	0.10182083	0.7805859
ENSMUSG00000033106.7,Slc7a6os,protein_coding	0.10181672	0.5361784
ENSMUSG00000035578.17,Iqcg,protein_coding	0.10180613	0.777975
ENSMUSG00000090486.3,BC035947,protein_coding	0.1018038	0.8628203
ENSMUSG00000111740.2,Gm49783,TEC	0.10179127	0.8774211
ENSMUSG00000120210.2,Gm57411,lncRNA	0.10175682	0.7857922
ENSMUSG00000052504.8,Epha3,protein_coding	0.10172869	0.6762894
ENSMUSG00000122947.1,ENSMUSG00000122947,lncRNA	0.10172768	0.7270859
ENSMUSG00000055401.15,Fbxo6,protein_coding	0.10171391	0.6544507
ENSMUSG00000141102.1,ENSMUSG00000141102,lncRNA	0.10170848	0.9040456
ENSMUSG00000107096.5,Gm43597,lncRNA	0.10169792	0.6127676
ENSMUSG00000061207.12,Stk19,protein_coding	0.10167149	0.4895598
ENSMUSG00000000194.14,Gpr107,protein_coding	0.10159944	0.3264307
ENSMUSG00000026478.15,Lamc1,protein_coding	0.10156158	0.3773334
ENSMUSG00000050600.6,Zfp831,protein_coding	0.10155571	0.7368993
ENSMUSG00000038880.14,Mrps34,protein_coding	0.10155309	0.5415057
ENSMUSG00000001157.14,Gmcl1,protein_coding	0.10150706	0.5365555
ENSMUSG00000103332.2,Pcdhga2,protein_coding	0.10150325	0.688088
ENSMUSG00000035868.10,Zfp983,protein_coding	0.1014945	0.5132081
ENSMUSG00000021809.11,Nudt13,protein_coding	0.10145334	0.4753141
ENSMUSG00000137121.1,ENSMUSG00000137121,lncRNA	0.10142663	0.85675
ENSMUSG00000085272.8,Sbk3,protein_coding	0.10138771	0.7210498
ENSMUSG00000109744.2,Gm45461,TEC	0.10133438	0.794685
ENSMUSG00000047976.5,Kcna1,protein_coding	0.10130294	0.5533323
ENSMUSG00000070720.5,Tmem200b,protein_coding	0.10126885	0.7771702
ENSMUSG00000047344.10,Lancl3,protein_coding	0.10125564	0.6336924
ENSMUSG00000033852.17,Gm28042,protein_coding	0.10118996	0.8635748
ENSMUSG00000022668.11,Gtpbp8,protein_coding	0.10115505	0.4196528
ENSMUSG00000007777.10,Trappc2b,protein_coding	0.10114685	0.736055
ENSMUSG00000114605.2,C130051F05Rik,TEC	0.10114654	0.7194274
ENSMUSG00000003344.16,Btbd2,protein_coding	0.10109263	0.6330793
ENSMUSG00000028917.15,Plekhm2,protein_coding	0.10102673	0.4956047
ENSMUSG00000004996.10,Mri1,protein_coding	0.10101271	0.5690491
ENSMUSG00000055629.6,B4galnt4,protein_coding	0.10100478	0.6275976
ENSMUSG00000042066.17,Tmcc2,protein_coding	0.10093087	0.5545665
ENSMUSG00000042303.20,Sgsm3,protein_coding	0.10089337	0.638325
ENSMUSG00000048602.10,Morc2b,protein_coding	0.10089079	0.6516832
ENSMUSG00000025810.10,Nrp1,protein_coding	0.10087932	0.6323709
ENSMUSG00000001034.18,Mapk7,protein_coding	0.10083633	0.6140042
ENSMUSG00000106565.2,Gm43582,processed_pseudogene	0.10083336	0.8190466
ENSMUSG00000031508.15,Ankrd10,protein_coding	0.1008252	0.5337502
ENSMUSG00000048376.7,F2r,protein_coding	0.10082313	0.6848925
ENSMUSG00000019194.16,Scn1b,protein_coding	0.10073505	0.5871397
ENSMUSG00000032185.17,Carm1,protein_coding	0.1007284	0.4780055
ENSMUSG00000038542.15,Pcid2,protein_coding	0.10069379	0.4490601
ENSMUSG00000119899.1,Gm26127,snRNA	0.10063294	0.821605
ENSMUSG00000108500.2,Gm45033,TEC	0.10057925	0.7726487
ENSMUSG00000022452.17,Smdt1,protein_coding	0.10051972	0.69114
ENSMUSG00000042766.18,Trim46,protein_coding	0.10049701	0.725605

ENSMUSG00000143028.1,ENSMUSG00000143028,lncRNA	0.10049495	0.8792109
ENSMUSG00000084985.2,Gm16135,lncRNA	0.10045527	0.8165822
ENSMUSG00000046574.9,Prr12,protein_coding	0.10042657	0.5403897
ENSMUSG00000040276.16,Pacsin1,protein_coding	0.10039685	0.6133898
ENSMUSG00000031889.10,Phaf1,protein_coding	0.10038818	0.4262746
ENSMUSG00000116832.2,Gm49658,TEC	0.10035895	0.7458615
ENSMUSG00000029313.19,Aff1,protein_coding	0.10035703	0.6561382
ENSMUSG00000025137.16,Pcyt2,protein_coding	0.10033634	0.4642963
ENSMUSG00000106237.2,Gm8066,lncRNA	0.10025947	0.8057507
ENSMUSG00000030257.17,Srgap3,protein_coding	0.10021936	0.5202172
ENSMUSG00000036376.4,Abt1,protein_coding	0.10021726	0.4758243
ENSMUSG00000056812.15,St8sia3,protein_coding	0.1001428	0.6616093
ENSMUSG00000024959.15,Bad,protein_coding	0.10012622	0.6901996
ENSMUSG00000054499.10,Dedd2,protein_coding	0.10010505	0.5321712
ENSMUSG00000045466.19,Zfp956,protein_coding	0.10010355	0.4984267
ENSMUSG00000113984.2,Gm48890,TEC	0.09998935	0.7312256
ENSMUSG00000036620.15,Mgat4b,protein_coding	0.09997761	0.6105134
ENSMUSG00000038346.20,Zfp384,protein_coding	0.09994973	0.4194535
ENSMUSG00000086212.10,Mkln1os,lncRNA	0.09994968	0.6784494
ENSMUSG00000026927.18,Entr1,protein_coding	0.09992167	0.3990116
ENSMUSG00000037098.19,Rab11fip3,protein_coding	0.09988583	0.5514241
ENSMUSG00000022508.6,Bcl6,protein_coding	0.09986882	0.8055338
ENSMUSG00000022462.8,Slc38a2,protein_coding	0.09985531	0.6696322
ENSMUSG00000002205.17,Vrk3,protein_coding	0.09985091	0.5442535
ENSMUSG00000079610.10,Ankrd39,protein_coding	0.09982892	0.6685389
ENSMUSG00000040177.11,2310057M21Rik,protein_coding	0.09980892	0.3337781
ENSMUSG00000031375.19,Bgn,protein_coding	0.09979019	0.6722054
ENSMUSG00000039838.12,Slc45a1,protein_coding	0.0997891	0.6051974
ENSMUSG00000023007.16,Prpf40b,protein_coding	0.09977268	0.5745674
ENSMUSG00000103854.2,Gm37250,TEC	0.09969534	0.7650704
ENSMUSG00000042388.15,Dlgap3,protein_coding	0.09967371	0.7094649
ENSMUSG00000103467.2,Gm38245,TEC	0.09966651	0.7100407
ENSMUSG00000030329.12,Pianp,protein_coding	0.09963807	0.6818833
ENSMUSG00000136119.1,ENSMUSG00000136119,lncRNA	0.0996379	0.777563
ENSMUSG00000037843.7,Vstm2l,protein_coding	0.09958598	0.7947866
ENSMUSG00000035964.9,Tmem59l,protein_coding	0.09949878	0.6778133
ENSMUSG00000019590.17,Cyb561,protein_coding	0.09947467	0.7675252
ENSMUSG00000121877.2,1700086L19Rik,lncRNA	0.09943348	0.7572732
ENSMUSG00000072919.5,Noxred1,protein_coding	0.0994296	0.7828835
ENSMUSG00000078903.11,Gm14391,protein_coding	0.09940897	0.624657
ENSMUSG00000039976.5,Tbc1d16,protein_coding	0.09938215	0.5732802
ENSMUSG00000036282.16,Naa30,protein_coding	0.09933923	0.6560829
ENSMUSG00000025499.19,Hras,protein_coding	0.0993375	0.6914296
ENSMUSG00000031155.18,Pim2,protein_coding	0.09931529	0.5104684
ENSMUSG00000120378.2,Gm57196,lncRNA	0.09923821	0.8371654
ENSMUSG00000003200.11,Sh3gl1,protein_coding	0.09922727	0.4615622
ENSMUSG00000062198.6,2700097O09Rik,protein_coding	0.09920154	0.6787614
ENSMUSG00000038550.11,Ciart,protein_coding	0.09911897	0.773118
ENSMUSG00000103388.2,Gm37581,TEC	0.09910095	0.7962991
ENSMUSG00000042997.14,Nhlrc3,protein_coding	0.09909316	0.477779
ENSMUSG00000031635.15,Anxa10,protein_coding	0.09908242	0.9771065
ENSMUSG00000006585.4,Cdt1,protein_coding	0.09906128	0.9113406

ENSMUSG00000074793.11,Hspa12b,protein_coding	0.09901901	0.6446956
ENSMUSG00000094090.3,Gm8494,processed_pseudogene	0.09898345	0.8726274
ENSMUSG00000024940.12,Ltbp3,protein_coding	0.09897667	0.6541572
ENSMUSG00000074671.7,Tspyl3,protein_coding	0.09896482	0.6007377
ENSMUSG00000086095.4,Gm15328,lncRNA	0.09891395	0.6713051
ENSMUSG00000054723.7,Vmac,protein_coding	0.09886134	0.5786021
ENSMUSG00000114133.2,Btf3l4b,protein_coding	0.0988565	0.6861055
ENSMUSG00000099696.9,2900052N01Rik,lncRNA	0.09885334	0.7593108
ENSMUSG00000016181.11,Utp25,protein_coding	0.0987773	0.459855
ENSMUSG00000046295.14,Ankle1,protein_coding	0.09876801	0.9556935
ENSMUSG00000026309.15,Ilkap,protein_coding	0.09872645	0.469166
ENSMUSG00000020444.21,Guk1,protein_coding	0.09869516	0.6406988
ENSMUSG00000024299.18,Adamts10,protein_coding	0.0986448	0.6557539
ENSMUSG00000078716.11,Tmem8b,protein_coding	0.0986253	0.678817
ENSMUSG00000102136.2,Gm37107,lncRNA	0.09861163	0.6952624
ENSMUSG00000001864.14,Aif1l,protein_coding	0.0986088	0.6319513
ENSMUSG00000112905.2,Gm47477,TEC	0.09849466	0.7749188
ENSMUSG00000036977.9,Anapc10,protein_coding	0.09844744	0.5971706
ENSMUSG00000029337.3,Fgf5,protein_coding	0.09840138	0.7365856
ENSMUSG00000032305.16,Fam219b,protein_coding	0.09839496	0.448447
ENSMUSG00000110317.2,Gm45250,lncRNA	0.09836817	0.5783784
ENSMUSG00000067713.8,Prkag1,protein_coding	0.0983334	0.4839977
ENSMUSG00000087396.10,4933407K13Rik,lncRNA	0.09830825	0.7101828
ENSMUSG00000086128.10,St8sia3os,lncRNA	0.09827241	0.818645
ENSMUSG00000005580.12,Adcy9,protein_coding	0.09826291	0.6038636
ENSMUSG00000043336.15,Filip1l,protein_coding	0.0982402	0.8613982
ENSMUSG00000120681.2,2610029K11Rik,lncRNA	0.09810523	0.668023
ENSMUSG00000000171.6,Sdhd,protein_coding	0.0980762	0.5072335
ENSMUSG00000026860.17,Sh3glb2,protein_coding	0.09804758	0.6104806
ENSMUSG00000028703.15,Lrrc41,protein_coding	0.09801762	0.5728737
ENSMUSG00000090336.6,Cfap97d2,protein_coding	0.09801368	0.7452926
ENSMUSG00000099924.2,Gm28320,lncRNA	0.0979899	0.7371525
ENSMUSG00000097743.3,Gm16973,lncRNA	0.09798315	0.6154676
ENSMUSG00000020695.15,Mrc2,protein_coding	0.09794041	0.7013827
ENSMUSG00000090698.3,Apold1,protein_coding	0.09792791	0.8412626
ENSMUSG00000037624.17,Kcnk2,protein_coding	0.09792686	0.7199422
ENSMUSG00000050107.3,Haspin,protein_coding	0.09787488	0.9621427
ENSMUSG00000033295.15,Ptprf,protein_coding	0.09783058	0.6807965
ENSMUSG00000025626.17,Phf6,protein_coding	0.09782938	0.6784933
ENSMUSG00000071037.7,Camkmt,protein_coding	0.0977767	0.604805
ENSMUSG00000032599.13,Ip6k2,protein_coding	0.09774292	0.3666511
ENSMUSG00000013698.13,Pea15a,protein_coding	0.09772497	0.4603127
ENSMUSG00000102508.2,Gm37367,TEC	0.09772262	0.6814039
ENSMUSG00000105160.2,A530030E21Rik,TEC	0.09771029	0.9804878
ENSMUSG00000019173.12,Rab5c,protein_coding	0.09770791	0.4793023
ENSMUSG00000015342.7,Xk,protein_coding	0.09770729	0.6907482
ENSMUSG00000017664.17,Slc35c2,protein_coding	0.09765312	0.6406496
ENSMUSG00000075590.5,Nrbp2,protein_coding	0.0976143	0.533698
ENSMUSG00000055271.6,9330161L09Rik,TEC	0.09757767	0.764427
ENSMUSG00000060376.8,Bckdha,protein_coding	0.097544	0.6162057
ENSMUSG00000113927.2,5330409N07Rik,TEC	0.09753738	0.7856758
ENSMUSG00000097204.5,Gm17690,lncRNA	0.09750925	0.708074

ENSMUSG00000048939.14,Atp13a5,protein_coding	0.09749163	0.5454159
ENSMUSG00000046768.14,Rhoj,protein_coding	0.0974874	0.7300597
ENSMUSG00000055027.18,Smyd1,protein_coding	0.0974723	0.7659453
ENSMUSG00000002486.16,Tchp,protein_coding	0.09743585	0.5190524
ENSMUSG00000010453.13,Kansl3,protein_coding	0.09739982	0.459469
ENSMUSG00000085311.2,Gm15445,lncRNA	0.09738649	0.8087148
ENSMUSG00000096606.3,Tpbgl,protein_coding	0.09736556	0.7840358
ENSMUSG00000022842.19,Ece2,protein_coding	0.09729268	0.6461595
ENSMUSG00000038047.19,Haus6,protein_coding	0.09728622	0.7926233
ENSMUSG00000020882.19,Cacnb1,protein_coding	0.0972836	0.7515283
ENSMUSG00000121280.1,Gm57189,lncRNA	0.09720082	0.7593766
ENSMUSG00000139121.1,ENSMUSG00000139121,lncRNA	0.09716144	0.8867889
ENSMUSG00000086291.2,Gm15513,lncRNA	0.09710843	0.7274521
ENSMUSG00000085433.5,Gm16001,lncRNA	0.0971072	0.8718143
ENSMUSG00000097545.10,Mir124a-1hg,lncRNA	0.09710187	0.7214666
ENSMUSG00000034255.19,Arhgap27,protein_coding	0.09704333	0.6720023
ENSMUSG00000015711.9,Prune1,protein_coding	0.09699805	0.5368621
ENSMUSG00000025512.16,Chid1,protein_coding	0.09694048	0.5632684
ENSMUSG00000102452.2,Gm38344,TEC	0.09684329	0.8014453
ENSMUSG00000020193.4,Zpbp,protein_coding	0.09683732	0.7893915
ENSMUSG00000001517.15,Foxm1,protein_coding	0.0967996	0.9241437
ENSMUSG00000113557.2,Gm47657,TEC	0.09679634	0.7343576
ENSMUSG00000031453.17,Rasa3,protein_coding	0.0967434	0.427403
ENSMUSG00000052684.6,Jun,protein_coding	0.09671394	0.5684564
ENSMUSG00000074272.11,Ceacam1,protein_coding	0.09670981	0.6892402
ENSMUSG00000035172.16,Plekhh3,protein_coding	0.09670391	0.6857619
ENSMUSG00000080775.2,Gm6368,processed_pseudogene	0.09667419	0.8429154
ENSMUSG00000028444.18,Cntfr,protein_coding	0.09667178	0.6692409
ENSMUSG00000050697.10,Prkaa1,protein_coding	0.09663317	0.4649984
ENSMUSG00000107009.2,6720475M21Rik,TEC	0.09660225	0.8187986
ENSMUSG00000050213.7,Snip1,protein_coding	0.09658424	0.5891527
ENSMUSG00000036054.16,Sugp2,protein_coding	0.09653177	0.4985484
ENSMUSG00000038587.11,Akap12,protein_coding	0.09649573	0.6526984
ENSMUSG00000046822.15,Slc39a3,protein_coding	0.0964177	0.5944094
ENSMUSG00000025208.10,Mrpl43,protein_coding	0.09639316	0.5663172
ENSMUSG00000038843.19,Gcnt1,protein_coding	0.09637318	0.7987027
ENSMUSG00000104125.2,Gm37488,TEC	0.09636607	0.8097577
ENSMUSG00000000552.11,Zfp385a,protein_coding	0.09635851	0.6523626
ENSMUSG00000097080.11,1700086O06Rik,lncRNA	0.09633954	0.6476967
ENSMUSG00000040247.7,Tbc1d10c,protein_coding	0.09632962	0.9275239
ENSMUSG00000039830.10,Olig2,protein_coding	0.09630366	0.5225319
ENSMUSG00000056019.13,Zfp709,protein_coding	0.09628651	0.6350109
ENSMUSG00000087535.4,Zmiz1os1,lncRNA	0.0962668	0.6618815
ENSMUSG00000064345.1,mt-Nd2,protein_coding	0.09624908	0.7963021
ENSMUSG00000115591.3,Gm31282,lncRNA	0.09621811	0.8033786
ENSMUSG00000102653.2,Gm37079,TEC	0.09618729	0.7795612
ENSMUSG00000013833.16,Med16,protein_coding	0.09618123	0.6131892
ENSMUSG00000039081.11,Zfp503,protein_coding	0.09616364	0.7837224
ENSMUSG00000034902.18,Pip5k1c,protein_coding	0.09609456	0.5920379
ENSMUSG00000029790.17,Cep41,protein_coding	0.09608946	0.6346259
ENSMUSG00000012114.18,Med15,protein_coding	0.09608054	0.4381905
ENSMUSG00000026342.11,Slc35f5,protein_coding	0.09604196	0.5279685

ENSMUSG00000041025.16,Iffo2,protein_coding	0.09601845	0.6093046
ENSMUSG00000079470.9,Utp14b,protein_coding	0.09600676	0.6327446
ENSMUSG00000087292.3,Gm13832,lncRNA	0.09596352	0.7756991
ENSMUSG00000040133.3,Gpr176,protein_coding	0.09595503	0.6090364
ENSMUSG00000045409.17,Trim39,protein_coding	0.09593503	0.5784999
ENSMUSG00000039323.19,Igfbp2,protein_coding	0.09591539	0.7859829
ENSMUSG00000057130.13,Txnl4a,protein_coding	0.09584659	0.5548544
ENSMUSG00000006715.12,Gmnn,protein_coding	0.09583753	0.8788593
ENSMUSG00000026646.17,Suv39h2,protein_coding	0.09581796	0.7626376
ENSMUSG00000021770.12,Samd8,protein_coding	0.09575389	0.4830167
ENSMUSG00000007480.7,Mc5r,protein_coding	0.09574161	0.8150143
ENSMUSG00000053716.10,Dusp7,protein_coding	0.09569286	0.6764495
ENSMUSG00000031367.16,Ap1s2,protein_coding	0.09568993	0.6547484
ENSMUSG00000118550.2,Gm52965,lncRNA	0.09567044	0.7541342
ENSMUSG00000032262.14,Elovl4,protein_coding	0.09566982	0.6274104
ENSMUSG00000031918.17,Mtmr2,protein_coding	0.09564402	0.3625442
ENSMUSG00000022557.12,Bop1,protein_coding	0.09562752	0.6152525
ENSMUSG00000000876.12,Pxmp4,protein_coding	0.09561504	0.5880903
ENSMUSG00000035572.17,Dcaf10,protein_coding	0.09560943	0.3674965
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ENSMUSG00000040752.17,Myh6,protein_coding	0.09559083	0.8784487
ENSMUSG00000044296.11,Zfp879,protein_coding	0.09555156	0.7876357
ENSMUSG00000102650.2,Gm19863,TEC	0.09552783	0.7881913
ENSMUSG00000026648.19,Dclre1c,protein_coding	0.09552314	0.7027507
ENSMUSG00000022208.13,Jph4,protein_coding	0.09544412	0.6799908
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ENSMUSG00000063802.6,Hspbp1,protein_coding	0.09543529	0.6814679
ENSMUSG00000085085.5,1700086P04Rik,lncRNA	0.09543453	0.8370466
ENSMUSG00000042814.9,Mcts2,protein_coding	0.09541219	0.6809788
ENSMUSG00000037278.10,Tmem97,protein_coding	0.09531797	0.6802676
ENSMUSG00000031198.5,Fundc2,protein_coding	0.0953081	0.4922044
ENSMUSG00000001062.19,Vps9d1,protein_coding	0.09527255	0.5235468
ENSMUSG00000028453.11,Fancg,protein_coding	0.09524847	0.648503
ENSMUSG00000020346.17,Mgat1,protein_coding	0.09523822	0.6225951
ENSMUSG00000028634.18,Hivep3,protein_coding	0.09522566	0.4657387
ENSMUSG00000055322.17,Tns1,protein_coding	0.09520138	0.6334162
ENSMUSG00000026313.17,Hdac4,protein_coding	0.09519785	0.4869237
ENSMUSG00000002799.7,Jag2,protein_coding	0.09518648	0.70527
ENSMUSG00000043987.19,Cep164,protein_coding	0.09518524	0.5262788
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ENSMUSG00000055675.7,Kbtbd11,protein_coding	0.0951201	0.5309476
ENSMUSG00000054855.14,Rnd1,protein_coding	0.09511599	0.656531
ENSMUSG00000105293.2,Gm42843,TEC	0.09509588	0.7637068
ENSMUSG00000085275.3,Gm14487,lncRNA	0.09503409	0.7895474
ENSMUSG00000039220.17,Ppp1r10,protein_coding	0.09499457	0.4635275
ENSMUSG00000020432.13,Tcn2,protein_coding	0.09494955	0.6995212
ENSMUSG00000023353.15,Agap3,protein_coding	0.09493074	0.6487913
ENSMUSG00000106516.2,Gm42441,TEC	0.09487837	0.7665005
ENSMUSG00000094622.4,Gm3055,protein_coding	0.09484558	0.8115613
ENSMUSG00000126789.1,ENSMUSG00000126789,lncRNA	0.09484095	0.7213582
ENSMUSG00000071291.11,Zfp58,protein_coding	0.09481736	0.6771474

ENSMUSG00000002341.9,Ncan,protein_coding	0.09481683	0.6892524
ENSMUSG00000034157.13,Cipc,protein_coding	0.09479375	0.4275333
ENSMUSG00000023915.6,Tnfrsf21,protein_coding	0.09472272	0.6440488
ENSMUSG00000026879.15,Gsn,protein_coding	0.09463197	0.6331056
ENSMUSG00000064225.7,Paqr9,protein_coding	0.09461163	0.5960522
ENSMUSG00000056966.8,Gjc3,protein_coding	0.09455499	0.6169546
ENSMUSG00000053588.6,A730061H03Rik,lncRNA	0.09455079	0.8422141
ENSMUSG00000064247.15,Plcxd1,protein_coding	0.09448385	0.7873685
ENSMUSG00000045349.16,Sh2d5,protein_coding	0.09448135	0.7501602
ENSMUSG00000106961.2,Gm43128,TEC	0.09444006	0.8432447
ENSMUSG00000034800.16,Zfp661,protein_coding	0.09440431	0.5586413
ENSMUSG00000020689.5,Itgb3,protein_coding	0.09437264	0.9011315
ENSMUSG00000038390.12,Gpr162,protein_coding	0.09430986	0.6311188
ENSMUSG00000097303.5,3110083C13Rik,lncRNA	0.09430485	0.6945111
ENSMUSG00000090213.2,Peds1,protein_coding	0.09426642	0.5593925
ENSMUSG00000056458.17,Mok,protein_coding	0.09424103	0.7495655
ENSMUSG00000002343.12,Armc6,protein_coding	0.09422856	0.6191965
ENSMUSG00000000326.14,Comt,protein_coding	0.09418242	0.5552442
ENSMUSG00000103906.2,Tigd5,protein_coding	0.09417827	0.6465926
ENSMUSG00000090150.11,Acad11,protein_coding	0.09413623	0.3941882
ENSMUSG00000048385.11,Scrt1,protein_coding	0.09409658	0.6175406
ENSMUSG00000071547.5,Nt5dc2,protein_coding	0.09407588	0.8407861
ENSMUSG00000025006.19,Sorbs1,protein_coding	0.09401247	0.5447991
ENSMUSG00000106579.2,Gm42771,TEC	0.09398924	0.752028
ENSMUSG00000002227.16,Mov10,protein_coding	0.09394553	0.7589436
ENSMUSG00000068742.12,Cry2,protein_coding	0.09389514	0.577184
ENSMUSG00000029510.16,Gpc2,protein_coding	0.09388105	0.715025
ENSMUSG00000035226.6,Rims4,protein_coding	0.0938654	0.6580068
ENSMUSG00000128554.1,ENSMUSG00000128554,lncRNA	0.09385493	0.7042326
ENSMUSG00000004113.20,Cacna1b,protein_coding	0.09384571	0.632839
ENSMUSG00000037791.16,Phf12,protein_coding	0.09383285	0.4551324
ENSMUSG00000031458.9,Coprs,protein_coding	0.09381386	0.7184732
ENSMUSG00000037709.14,Fam13a,protein_coding	0.09375193	0.643373
ENSMUSG00000055799.14,Tcf7l1,protein_coding	0.09374366	0.7021864
ENSMUSG00000022434.9,Fam118a,protein_coding	0.09372532	0.5157149
ENSMUSG00000125978.1,ENSMUSG00000125978,lncRNA	0.09370308	0.7984195
ENSMUSG00000036432.9,Siah2,protein_coding	0.09369059	0.6513885
ENSMUSG00000030204.11,Ddx47,protein_coding	0.09367119	0.373932
ENSMUSG00000050821.15,Fam131a,protein_coding	0.09367019	0.7338132
ENSMUSG00000028847.9,Trappc3,protein_coding	0.09362396	0.5127115
ENSMUSG00000023809.12,Rps6ka2,protein_coding	0.09360115	0.665965
ENSMUSG00002076937.1,Gm25820,scaRNA	0.09359852	0.7615078
ENSMUSG00000083679.2,Gm12892,processed_pseudogene	0.09358824	0.9009292
ENSMUSG00000032452.13,Clstn2,protein_coding	0.09354031	0.6707097
ENSMUSG00000022561.14,Gpaa1,protein_coding	0.09351673	0.6568987
ENSMUSG00000057615.6,Ldoc1,protein_coding	0.09345317	0.8573616
ENSMUSG00000037995.16,Igsf9,protein_coding	0.09342928	0.8195743
ENSMUSG00000032396.18,Dis3l,protein_coding	0.09342674	0.436884
ENSMUSG00000061273.4,Mmgt1,protein_coding	0.09342329	0.6485447
ENSMUSG00000022574.8,Naprt,protein_coding	0.093385	0.729143
ENSMUSG00000042918.18,Mamstr,protein_coding	0.09330751	0.707355
ENSMUSG00000048022.12,Tmem229a,protein_coding	0.09330232	0.5598445

ENSMUSG00000002326.7,Gmpr2,protein_coding	0.0933021	0.5465209
ENSMUSG00000024121.14,Atp6v0c,protein_coding	0.09327553	0.6859175
ENSMUSG00000107109.2,Gm42571,TEC	0.09326459	0.7575845
ENSMUSG00000032517.17,Mobp,protein_coding	0.09322963	0.6037976
ENSMUSG00000104363.2,Gm38081,TEC	0.09318507	0.853414
ENSMUSG00000103060.2,Gm36969,TEC	0.09317279	0.7674189
ENSMUSG00000134304.1,ENSMUSG00000134304,lncRNA	0.0931483	0.7716717
ENSMUSG00000022528.9,Hes1,protein_coding	0.09307898	0.6846127
ENSMUSG00000063511.12,Snrnp70,protein_coding	0.09307188	0.600404
ENSMUSG00000027963.15,Extl2,protein_coding	0.09301812	0.5595424
ENSMUSG00000023011.9,Faim2,protein_coding	0.09301541	0.6622666
ENSMUSG00000019054.14,Fis1,protein_coding	0.09301067	0.6456328
ENSMUSG00000032839.14,Trpc1,protein_coding	0.09300766	0.5775556
ENSMUSG00000031790.9,Mmp15,protein_coding	0.09300259	0.6693408
ENSMUSG00000051586.18,Mical3,protein_coding	0.09294112	0.5926049
ENSMUSG00000125551.1,ENSMUSG00000125551,lncRNA	0.09293467	0.8649183
ENSMUSG00000006362.17,Cbfa2t3,protein_coding	0.09288287	0.575008
ENSMUSG00000048232.13,Fbxo10,protein_coding	0.09286324	0.7030217
ENSMUSG00000090799.3,Klhl33,protein_coding	0.09282621	0.6932638
ENSMUSG00000031297.15,Slc7a3,protein_coding	0.09280604	0.8537727
ENSMUSG00000050705.16,2310061I04Rik,protein_coding	0.09278837	0.6479348
ENSMUSG00000035067.10,Xkr6,protein_coding	0.09271699	0.7398124
ENSMUSG00000107813.2,Gm44434,TEC	0.09271615	0.7786899
ENSMUSG00000112317.2,Gm47580,TEC	0.09264568	0.8091083
ENSMUSG00000102657.2,Gm37899,TEC	0.09263772	0.6953082
ENSMUSG00000054716.5,Zfp771,protein_coding	0.09260952	0.6214836
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ENSMUSG00000063931.15,Pepd,protein_coding	0.09254278	0.5812956
ENSMUSG00000092417.4,Gpank1,protein_coding	0.09250803	0.7522223
ENSMUSG00000002733.9,Plekha3,protein_coding	0.09248906	0.5020912
ENSMUSG00000123918.1,ENSMUSG00000123918,lncRNA	0.09248422	0.927494
ENSMUSG00000121093.2,Gm56906,lncRNA	0.09247717	0.9403491
ENSMUSG00000027109.17,Sp3,protein_coding	0.09245969	0.65071
ENSMUSG00000128148.1,ENSMUSG00000128148,lncRNA	0.09245898	0.8218715
ENSMUSG00000045731.7,Pnoc,protein_coding	0.09239514	0.7784207
ENSMUSG00000063904.5,Dpp3,protein_coding	0.09235249	0.543959
ENSMUSG00000114501.2,Gm48582,TEC	0.09234807	0.7290748
ENSMUSG00000057897.16,Camk2b,protein_coding	0.09233885	0.6829706
ENSMUSG00000034863.10,Ano8,protein_coding	0.09232386	0.6167074
ENSMUSG00000030822.16,Prr14,protein_coding	0.09226851	0.5991873
ENSMUSG00000026043.19,Col3a1,protein_coding	0.09221407	0.79806
ENSMUSG00000040102.11,Klhl42,protein_coding	0.09216529	0.4322429
ENSMUSG00000040037.14,Negr1,protein_coding	0.09213911	0.6172662
ENSMUSG00000134942.1,ENSMUSG00000134942,lncRNA	0.09210022	0.8548823
ENSMUSG00000002778.15,Kdelr1,protein_coding	0.09209703	0.4634905
ENSMUSG00000104235.2,Gm37589,TEC	0.09208717	0.8450371
ENSMUSG00000107595.2,Gm44441,TEC	0.09207767	0.7860032
ENSMUSG00000091177.3,Gm15494,lncRNA	0.09206914	0.8151364
ENSMUSG00000027849.20,Syt6,protein_coding	0.09205548	0.7888018
ENSMUSG00000021782.15,Dlg5,protein_coding	0.09204459	0.5777352
ENSMUSG00000046807.11,Lrrc75b,protein_coding	0.09202054	0.6926265
ENSMUSG00000040605.8,Bace2,protein_coding	0.09201631	0.6356768

ENSMUSG00000026805.15,Barhl1,protein_coding	0.09200766	0.8428046
ENSMUSG00000032333.7,Stoml1,protein_coding	0.09194289	0.6444281
ENSMUSG00000047656.10,Trpt1,protein_coding	0.09191173	0.6758993
ENSMUSG00000114888.2,Gm49616,TEC	0.09188178	0.8852869
ENSMUSG00000027353.15,Mcm8,protein_coding	0.0917963	0.8378063
ENSMUSG00000028104.15,Polr3gl,protein_coding	0.09177854	0.5596782
ENSMUSG00000031812.17,Map1lc3b,protein_coding	0.09177086	0.4871215
ENSMUSG00000052613.18,Pcdh15,protein_coding	0.09175951	0.5190798
ENSMUSG00000054256.12,Msi1,protein_coding	0.09175602	0.6058589
ENSMUSG00000017299.14,Dnttip1,protein_coding	0.09174858	0.5791945
ENSMUSG00000044244.19,Il20rb,protein_coding	0.09172097	0.888438
ENSMUSG00000030733.11,Sh2b1,protein_coding	0.0916905	0.6797182
ENSMUSG00000020755.10,Sap30bp,protein_coding	0.0916128	0.4885773
ENSMUSG00000030168.14,Adipor2,protein_coding	0.09160742	0.5856803
ENSMUSG00000050035.8,Fhl4,protein_coding	0.09155439	0.8785069
ENSMUSG00000041638.19,Gcn1,protein_coding	0.09146837	0.4572615
ENSMUSG00000022306.10,Zfpm2,protein_coding	0.0914466	0.7503432
ENSMUSG00000005442.14,Cic,protein_coding	0.09143829	0.5439483
ENSMUSG00000102714.2,Gm37618,TEC	0.09139475	0.8034111
ENSMUSG00000025592.18,Dach2,protein_coding	0.09136599	0.8171715
ENSMUSG00000118071.2,Gm50455,lncRNA	0.09132944	0.8289781
ENSMUSG00000130708.1,ENSMUSG00000130708,lncRNA	0.09132343	0.8721237
ENSMUSG00000050069.4,Grem2,protein_coding	0.09131724	0.7146687
ENSMUSG00000103707.6,Pcdha6,protein_coding	0.09131129	0.7367164
ENSMUSG00000024845.20,Tmem134,protein_coding	0.09130664	0.6228385
ENSMUSG00000025083.19,Afap1l2,protein_coding	0.09127289	0.8250442
ENSMUSG00000025505.17,Tmem80,protein_coding	0.09126034	0.4903563
ENSMUSG00000105761.2,Gm43787,TEC	0.09119101	0.6322662
ENSMUSG00000019979.13,Apaf1,protein_coding	0.09116334	0.5551282
ENSMUSG00000027584.18,Oprl1,protein_coding	0.09111999	0.7844683
ENSMUSG00000025050.9,Pcgf6,protein_coding	0.0910594	0.6296645
ENSMUSG00000042675.16,Ypel3,protein_coding	0.0910516	0.5744243
ENSMUSG00000064899.3,Snord118,snoRNA	0.09103626	0.8748242
ENSMUSG00000086331.2,Gm16310,lncRNA	0.09103056	0.8155534
ENSMUSG00000058248.13,Kcnh1,protein_coding	0.09093936	0.6522474
ENSMUSG00000062044.17,Lmtk3,protein_coding	0.09084972	0.7542146
ENSMUSG00000034377.11,Tulp4,protein_coding	0.09083015	0.4986926
ENSMUSG00000030527.16,Crtc3,protein_coding	0.09082923	0.5864161
ENSMUSG00000020238.15,Ncln,protein_coding	0.09082404	0.60651
ENSMUSG00000104784.3,Gm42984,lncRNA	0.09079719	0.8212349
ENSMUSG00000049354.9,Dcaf7,protein_coding	0.09075995	0.5315905
ENSMUSG00000034781.6,Gna11,protein_coding	0.09073483	0.6182588
ENSMUSG00000047123.9,Ticam1,protein_coding	0.09070401	0.7475169
ENSMUSG00000051499.8,Zfp786,protein_coding	0.09069574	0.6611216
ENSMUSG00000058756.14,Thra,protein_coding	0.09068396	0.6719029
ENSMUSG00000030393.9,Zik1,protein_coding	0.09068326	0.6262211
ENSMUSG00000078249.6,Hmga1b,protein_coding	0.09066574	0.7787183
ENSMUSG00000105449.2,Gm43379,TEC	0.09063014	0.6559334
ENSMUSG00000020652.18,Cenpo,protein_coding	0.09062838	0.7175372
ENSMUSG00000022414.9,Tab1,protein_coding	0.0906131	0.5203131
ENSMUSG00000045062.5,Pcdhb7,protein_coding	0.09060994	0.6183985
ENSMUSG00000121492.2,6820431F20Rik,lncRNA	0.09059602	0.7158984

ENSMUSG00000040663.10,Clcf1,protein_coding	0.09057022	0.9068717
ENSMUSG00000114503.2,Gm20242,TEC	0.09056813	0.8006118
ENSMUSG00000026123.12,Plekhb2,protein_coding	0.09056566	0.557581
ENSMUSG00000035011.16,Zbtb7a,protein_coding	0.09054316	0.4067178
ENSMUSG00000025195.10,Dnmbp,protein_coding	0.09049607	0.5481444
ENSMUSG00000055302.6,Mrfap1,protein_coding	0.09043949	0.447383
ENSMUSG00000111547.2,Gm48069,TEC	0.09041016	0.8288115
ENSMUSG00000054226.14,Tprkb,protein_coding	0.09035241	0.4609278
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ENSMUSG00000029875.6,Ccdc184,protein_coding	0.09034513	0.7488189
ENSMUSG00000038534.21,Osbpl7,protein_coding	0.09032922	0.5104798
ENSMUSG00000009293.18,Ube2g2,protein_coding	0.09030591	0.5343013
ENSMUSG00000022564.8,Grina,protein_coding	0.09028976	0.6441583
ENSMUSG00000127031.1,ENSMUSG00000127031,lncRNA	0.0902527	0.6019903
ENSMUSG00000031387.15,Renbp,protein_coding	0.09024099	0.8577254
ENSMUSG00000103076.2,Gm37902,TEC	0.09023799	0.8471179
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ENSMUSG00000038545.14,Cul7,protein_coding	0.09015636	0.6918642
ENSMUSG00000124769.1,ENSMUSG00000124769,lncRNA	0.08999068	0.8107336
ENSMUSG00000040007.9,Bahd1,protein_coding	0.08998253	0.6125738
ENSMUSG00000028909.18,Ptpru,protein_coding	0.08998119	0.6192539
ENSMUSG00000086877.10,A230072C01Rik,lncRNA	0.08990972	0.5906859
ENSMUSG00000132245.1,ENSMUSG00000132245,lncRNA	0.08985831	0.8677044
ENSMUSG00000032528.6,Vipr1,protein_coding	0.08984134	0.7843124
ENSMUSG00000026883.18,Dab2ip,protein_coding	0.08980196	0.6652029
ENSMUSG00000087361.9,0610043K17Rik,lncRNA	0.08979829	0.7447109
ENSMUSG00000034854.9,Mfsd12,protein_coding	0.08978438	0.6241225
ENSMUSG00000018293.5,Pfn1,protein_coding	0.08978108	0.8235737
ENSMUSG00000053693.17,Mast1,protein_coding	0.08977094	0.6593178
ENSMUSG00000025372.17,Baiap2,protein_coding	0.08976171	0.7300936
ENSMUSG00000040188.11,Scamp2,protein_coding	0.08974387	0.7598803
ENSMUSG00000097911.4,Gm26691,lncRNA	0.08966404	0.7602324
ENSMUSG00000107512.2,Gm44433,TEC	0.08959714	0.690327
ENSMUSG00000035168.17,Tanc1,protein_coding	0.08958617	0.5281333
ENSMUSG00000143481.1,ENSMUSG00000143481,lncRNA	0.08951643	0.7586553
ENSMUSG00000022456.19,Septin3,protein_coding	0.08948826	0.591963
ENSMUSG00000120976.1,Gm56971,lncRNA	0.08946214	0.6371787
ENSMUSG00000026447.18,Pik3c2b,protein_coding	0.08941499	0.6588542
ENSMUSG00000045625.6,Pigz,protein_coding	0.08941429	0.6705761
ENSMUSG00000036513.16,Commd2,protein_coding	0.08934696	0.6433208
ENSMUSG00000113328.2,Gm47260,TEC	0.08933049	0.6432972
ENSMUSG00000014748.14,Tex261,protein_coding	0.08927746	0.5130367
ENSMUSG00000029186.13,Pi4k2b,protein_coding	0.08926901	0.778553
ENSMUSG00000025873.17,Faf2,protein_coding	0.08925892	0.4640771
ENSMUSG00000029513.15,Prkab1,protein_coding	0.08922682	0.6498566
ENSMUSG00000097305.5,Gm17276,lncRNA	0.08921831	0.7183495
ENSMUSG00000039298.17,Cdk5rap2,protein_coding	0.08919144	0.6780773
ENSMUSG00000027954.10,Efna1,protein_coding	0.08916507	0.774913
ENSMUSG00000037313.17,Tacc3,protein_coding	0.08914508	0.9114111
ENSMUSG00000001525.11,Tubb5,protein_coding	0.08912672	0.7120899
ENSMUSG00000036698.12,Ago2,protein_coding	0.0891133	0.3627095
ENSMUSG00000042496.19,Prdm10,protein_coding	0.08908157	0.5102475

ENSMUSG00000041992.10,Rapgef5,protein_coding	0.08906101	0.5806191
ENSMUSG00000103497.2,Gm37407,TEC	0.08900498	0.8358129
ENSMUSG00000039886.9,Tmem120a,protein_coding	0.08898361	0.7570416
ENSMUSG00000117729.2,Gm5242,processed_pseudogene	0.08897993	0.7725884
ENSMUSG00000032932.16,Hspa13,protein_coding	0.08897354	0.5366277
ENSMUSG00000105050.2,Gm42482,TEC	0.08896576	0.7915926
ENSMUSG00000115041.2,Gm48939,TEC	0.08896381	0.8337768
ENSMUSG00000029416.18,Slc15a4,protein_coding	0.08895532	0.53931
ENSMUSG00000024122.17,Pdpk1,protein_coding	0.08893744	0.4233088
ENSMUSG00000109927.2,Gm45264,TEC	0.08871094	0.7647346
ENSMUSG00000051527.12,Usp29,protein_coding	0.0887046	0.6502614
ENSMUSG00000032092.6,Mpzl2,protein_coding	0.08869941	0.8982398
ENSMUSG00000064354.1,mt-Co2,protein_coding	0.08868929	0.7546331
ENSMUSG00000027221.6,Chst1,protein_coding	0.08865821	0.7012982
ENSMUSG00000027957.14,Slc35a3,protein_coding	0.0886163	0.6134334
ENSMUSG00000027993.17,Trim2,protein_coding	0.0886105	0.5573522
ENSMUSG00000092060.5,Bend4,protein_coding	0.0885744	0.6682547
ENSMUSG00000020471.12,Pold2,protein_coding	0.08854362	0.7626017
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ENSMUSG00000024309.16,Pfdn6,protein_coding	0.08843819	0.666438
ENSMUSG00000030770.16,Parva,protein_coding	0.08836193	0.6193228
ENSMUSG00000105139.3,Gm19391,lncRNA	0.0883424	0.8620515
ENSMUSG00000030890.17,Ilk,protein_coding	0.08833272	0.4346033
ENSMUSG00000094685.3,Gm5900,transcribed_processed_pseudogene	0.08832242	0.8997594
ENSMUSG00000006736.10,Tspan31,protein_coding	0.0883067	0.5493233
ENSMUSG00000071176.11,Arhgef10,protein_coding	0.08827309	0.622196
ENSMUSG00000030677.9,Kif22,protein_coding	0.08826562	0.9320573
ENSMUSG00000030271.15,Ogg1,protein_coding	0.08824675	0.7642088
ENSMUSG00000041697.10,Cox6a1,protein_coding	0.0882406	0.6643584
ENSMUSG00000041890.18,Git2,protein_coding	0.08821139	0.6430212
ENSMUSG00000036398.14,Ppp1r11,protein_coding	0.08816306	0.5729846
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ENSMUSG00000029713.16,Gnb2,protein_coding	0.08811866	0.6540739
ENSMUSG00000027661.5,Slc2a10,protein_coding	0.08810782	0.815937
ENSMUSG00000103506.2,Gm38376,TEC	0.08805684	0.6836864
ENSMUSG00000022124.16,Fbxl3,protein_coding	0.08803685	0.6276873
ENSMUSG00000105663.2,Gm43606,TEC	0.08802152	0.7820518
ENSMUSG00000049800.14,Sertad2,protein_coding	0.08798979	0.5246466
ENSMUSG00000121277.2,Gm57184,lncRNA	0.08796084	0.5854965
ENSMUSG00000052949.15,Rnf157,protein_coding	0.08793776	0.692844
ENSMUSG00000066278.7,Vps37b,protein_coding	0.08792267	0.6609822
ENSMUSG00000045318.7,Adra2c,protein_coding	0.08790991	0.8028416
ENSMUSG00000032657.16,Entrep3,protein_coding	0.0879083	0.6934321
ENSMUSG00000052151.13,Plpp2,protein_coding	0.08786334	0.8467482
ENSMUSG00000028439.15,Fam219a,protein_coding	0.08785418	0.7075034
ENSMUSG00000120606.2,Gm56756,lncRNA	0.08785257	0.7912929
ENSMUSG00000026426.11,Arl8a,protein_coding	0.08781164	0.6388026
ENSMUSG00000039634.13,Zfp189,protein_coding	0.08778008	0.5807525
ENSMUSG00000143652.1,ENSMUSG00000143652,lncRNA	0.08776261	0.6866081
ENSMUSG00000044393.16,Dsg2,protein_coding	0.08773864	0.7555405
ENSMUSG00000039477.17,Tnrc18,protein_coding	0.0877195	0.6681153

ENSMUSG00000026519.17,Tmem63a,protein_coding	0.08769931	0.6884227
ENSMUSG00000105895.2,Gm42829,lncRNA	0.08767001	0.7134292
ENSMUSG00000007036.16,Abhd16a,protein_coding	0.08765552	0.6456147
ENSMUSG00000034584.4,Exph5,protein_coding	0.08760971	0.8485838
ENSMUSG00000131992.1,ENSMUSG00000131992,lncRNA	0.08758268	0.7936793
ENSMUSG00000113810.2,Gm48259,TEC	0.08757667	0.8483453
ENSMUSG00000026634.17,Angel2,protein_coding	0.08756684	0.4312771
ENSMUSG00000074452.14,Pate2,protein_coding	0.08750254	0.7989968
ENSMUSG00000030346.17,Rad51ap1,protein_coding	0.08749923	0.9243092
ENSMUSG00000032959.13,Pebp1,protein_coding	0.08748498	0.6735685
ENSMUSG00000093752.2,Gm20716,protein_coding	0.08747647	0.7469728
ENSMUSG00000025871.19,4833439L19Rik,protein_coding	0.08746421	0.4598066
ENSMUSG00000059839.10,Zfp874b,protein_coding	0.08745394	0.7019244
ENSMUSG00000132209.1,ENSMUSG00000132209,lncRNA	0.08739596	0.7517015
ENSMUSG00000078878.10,Gm14305,protein_coding	0.0873775	0.7179564
ENSMUSG00000054150.13,Syne3,protein_coding	0.08735877	0.775209
ENSMUSG00000097428.3,AW047730,lncRNA	0.08730747	0.6636949
ENSMUSG00000054452.11,Tle5,protein_coding	0.08728766	0.6442359
ENSMUSG00000102697.2,Pcdhac2,protein_coding	0.08728138	0.6418224
ENSMUSG00000053702.17,Nebl,protein_coding	0.0872042	0.6414857
ENSMUSG00000037795.15,N4bp2,protein_coding	0.08714082	0.7835961
ENSMUSG00000130632.1,ENSMUSG00000130632,lncRNA	0.08707265	0.8748547
ENSMUSG00000019899.18,Lama2,protein_coding	0.08706603	0.5475205
ENSMUSG00000046798.15,Cldn12,protein_coding	0.08705011	0.5529964
ENSMUSG00000028469.16,Npr2,protein_coding	0.08704821	0.5830682
ENSMUSG00000022043.20,Trim35,protein_coding	0.0869923	0.5147575
ENSMUSG00000036103.10,Colec12,protein_coding	0.08698832	0.6994417
ENSMUSG00000054027.9,Nt5dc3,protein_coding	0.08698796	0.6152983
ENSMUSG00000078923.11,Ube2v1,protein_coding	0.08694293	0.6526294
ENSMUSG00000043683.5,Fem1a,protein_coding	0.08689353	0.4179714
ENSMUSG00000022536.15,Glyr1,protein_coding	0.08688075	0.3850904
ENSMUSG00000053930.14,Shisa6,protein_coding	0.08685227	0.7682291
ENSMUSG00000035640.20,Cbarp,protein_coding	0.08683761	0.7693773
ENSMUSG00000040822.8,1700123O20Rik,protein_coding	0.08680516	0.705853
ENSMUSG00000022799.5,Arhgap31,protein_coding	0.0868017	0.5951485
ENSMUSG00000120008.2,Gm56822,lncRNA	0.08673969	0.66105
ENSMUSG00000097191.5,Mm2pr,lncRNA	0.08666224	0.7465975
ENSMUSG00000036622.16,Atp13a2,protein_coding	0.08664548	0.6471051
ENSMUSG00000000149.11,Gna12,protein_coding	0.08663733	0.536558
ENSMUSG00000022602.15,Arc,protein_coding	0.0866349	0.8433942
ENSMUSG00000128555.1,ENSMUSG00000128555,lncRNA	0.08660482	0.833004
ENSMUSG00000036561.10,Ppp6r2,protein_coding	0.0865656	0.5512403
ENSMUSG00000040472.16,Rabggta,protein_coding	0.08648069	0.6243648
ENSMUSG00000060985.16,Tdrd5,protein_coding	0.08647561	0.7727601
ENSMUSG00000022843.18,Clcn2,protein_coding	0.08647162	0.6189315
ENSMUSG00000022231.11,Sema5a,protein_coding	0.08647118	0.5803167
ENSMUSG00000068267.6,Cenpb,protein_coding	0.08641247	0.4126923
ENSMUSG00000025736.16,Jmjd8,protein_coding	0.08640397	0.6184733
ENSMUSG00000026520.9,Pycr2,protein_coding	0.0863899	0.6410739
ENSMUSG00000020435.18,Osbp2,protein_coding	0.08637167	0.6598705
ENSMUSG00000102397.2,Gm37573,lncRNA	0.08635165	0.7535194
ENSMUSG00000104625.2,Gm42448,TEC	0.08634338	0.8083817

ENSMUSG00000046519.17,Golph3l,protein_coding	0.08629886	0.629192
ENSMUSG00000021495.11,Fam193b,protein_coding	0.08628573	0.6643735
ENSMUSG00000001151.11,Pcnt,protein_coding	0.08627881	0.5232071
ENSMUSG00000028944.15,Prkag2,protein_coding	0.08624304	0.5549114
ENSMUSG00000031955.11,Bcar1,protein_coding	0.08619507	0.6235603
ENSMUSG00000065899.3,Gm24523,snoRNA	0.086162	0.886353
ENSMUSG00000113869.2,Gm48869,processed_pseudogene	0.08610906	0.7394673
ENSMUSG00000036067.13,Slc2a6,protein_coding	0.08604684	0.6513042
ENSMUSG00000051510.14,Mafg,protein_coding	0.08603972	0.5487207
ENSMUSG00000020142.13,Slc1a4,protein_coding	0.0860245	0.575461
ENSMUSG00000114310.2,Gm48602,TEC	0.08596496	0.7109042
ENSMUSG00000040883.19,Tmem205,protein_coding	0.0859497	0.7227901
ENSMUSG00000026753.6,Ppp6c,protein_coding	0.08579388	0.691139
ENSMUSG00000030095.11,Tmem43,protein_coding	0.08578281	0.6265056
ENSMUSG00000044991.11,Shld1,protein_coding	0.08571811	0.6958729
ENSMUSG00000116838.2,Gm6475,processed_pseudogene	0.0856287	0.8877588
ENSMUSG00000074607.12,Tox2,protein_coding	0.0856177	0.7878675
ENSMUSG00000096056.2,Gm21986,lncRNA	0.08560507	0.7940761
ENSMUSG00000126950.1,ENSMUSG00000126950,lncRNA	0.08558036	0.8173218
ENSMUSG00000017721.16,Pigt,protein_coding	0.0855327	0.6570596
ENSMUSG00000026843.16,Fubp3,protein_coding	0.08551725	0.4826582
ENSMUSG00000052934.15,Fbxo31,protein_coding	0.08551513	0.6228707
ENSMUSG00000022515.7,Anks3,protein_coding	0.08549831	0.564217
ENSMUSG00000140129.1,ENSMUSG00000140129,lncRNA	0.08549094	0.7569298
ENSMUSG00000003410.9,Elavl3,protein_coding	0.08545424	0.5556178
ENSMUSG00000030748.10,Il4ra,protein_coding	0.08543768	0.8509147
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ENSMUSG00000110751.2,C230053D17Rik,TEC	0.08541994	0.7474929
ENSMUSG00000030166.15,Rad52,protein_coding	0.08534077	0.5746639
ENSMUSG00000026109.15,Tmeff2,protein_coding	0.08531363	0.5797751
ENSMUSG00000103741.2,Gm38241,processed_pseudogene	0.08529205	0.8637384
ENSMUSG00000028863.14,Meaf6,protein_coding	0.08523581	0.5971294
ENSMUSG00000117994.2,Gm5820,lncRNA	0.08523266	0.8407958
ENSMUSG00000038312.11,Edem2,protein_coding	0.08520196	0.5874257
ENSMUSG00000135492.1,ENSMUSG00000135492,lncRNA	0.08516615	0.7628432
ENSMUSG00000031834.16,Pik3r2,protein_coding	0.08515581	0.6222966
ENSMUSG00000042569.14,Dhrs7b,protein_coding	0.08515089	0.6346504
ENSMUSG00000026614.8,Slc30a10,protein_coding	0.08513161	0.6893605
ENSMUSG00000004768.15,Rab23,protein_coding	0.08506875	0.3968921
ENSMUSG00000030678.8,Maz,protein_coding	0.08506828	0.5014156
ENSMUSG00000024393.15,Prrc2a,protein_coding	0.08502528	0.5918933
ENSMUSG00000024186.16,Rgs11,protein_coding	0.08499713	0.7554301
ENSMUSG00000022475.20,Hdac7,protein_coding	0.08499265	0.6145533
ENSMUSG00000029072.4,Tas1r3,protein_coding	0.08497784	0.8528495
ENSMUSG00000062627.10,Mysm1,protein_coding	0.08496463	0.6632496
ENSMUSG00000042115.5,Klhdc8a,protein_coding	0.08492751	0.7863796
ENSMUSG00000030327.9,Necap1,protein_coding	0.08492684	0.6310955
ENSMUSG00000096687.9,Mfsd4b4,protein_coding	0.08490798	0.6842106
ENSMUSG00000072915.4,Gm12258,protein_coding	0.08486309	0.5812209
ENSMUSG00000032114.10,Slc37a4,protein_coding	0.08484407	0.6793383
ENSMUSG00000117538.2,Gm50008,TEC	0.08483555	0.7388826
ENSMUSG00000096856.8,Gm10778,protein_coding	0.0847621	0.7488436

ENSMUSG00000055485.7,Mtcl2,protein_coding	0.08473173	0.7863473
ENSMUSG00000020744.14,Slc25a19,protein_coding	0.08472291	0.8593181
ENSMUSG00000120137.2,Gm56495,lncRNA	0.08471288	0.7581736
ENSMUSG00000060216.16,Arrb2,protein_coding	0.08470153	0.6678933
ENSMUSG00000085125.9,Gm16070,lncRNA	0.08469793	0.751909
ENSMUSG00000020831.19,0610010K14Rik,protein_coding	0.08468059	0.6733325
ENSMUSG00000096188.2,Cmtm4,protein_coding	0.08467878	0.6425484
ENSMUSG00000022619.6,Mapk8ip2,protein_coding	0.0846389	0.6294719
ENSMUSG00000086944.2,Gm15859,lncRNA	0.08462258	0.812178
ENSMUSG00000035439.14,Haus8,protein_coding	0.08461845	0.7852272
ENSMUSG00000008036.12,Ap2s1,protein_coding	0.08442667	0.6491538
ENSMUSG00000040586.9,Ofd1,protein_coding	0.08441007	0.7050841
ENSMUSG00000024767.12,Otub1,protein_coding	0.08439549	0.7073839
ENSMUSG00000024826.16,Dpf2,protein_coding	0.08436112	0.4441541
ENSMUSG00000002658.10,Gtf2f1,protein_coding	0.08432972	0.5774657
ENSMUSG00000021023.15,Prorp,protein_coding	0.08429066	0.7920325
ENSMUSG00000021365.16,Nedd9,protein_coding	0.08424478	0.6682405
ENSMUSG00000027361.16,Gabpb1,protein_coding	0.08418509	0.6665042
ENSMUSG00000028137.10,Celf3,protein_coding	0.0841298	0.7782124
ENSMUSG00000047658.7,Gal3st3,protein_coding	0.08409949	0.7185276
ENSMUSG00000002059.19,Rab34,protein_coding	0.08409928	0.6839134
ENSMUSG00000025135.13,Anapc11,protein_coding	0.0840768	0.5666802
ENSMUSG00000040723.15,Rcsd1,protein_coding	0.08405989	0.8563434
ENSMUSG00000097381.4,A230087F16Rik,lncRNA	0.08404357	0.763294
ENSMUSG00000028614.15,Ndc1,protein_coding	0.08392353	0.7300428
ENSMUSG00000034928.17,Rnf44,protein_coding	0.08388732	0.5582917
ENSMUSG00000068264.12,Ap5s1,protein_coding	0.08387581	0.7800856
ENSMUSG00000103793.2,Pcdhga6,protein_coding	0.08386026	0.5405058
ENSMUSG00000086714.4,0610009E02Rik,lncRNA	0.08384725	0.6921062
ENSMUSG00000039048.16,Foxred1,protein_coding	0.08379683	0.5456664
ENSMUSG00000087305.11,A430035B10Rik,lncRNA	0.08374207	0.829748
ENSMUSG00000105556.2,Gm43080,TEC	0.08370634	0.7953969
ENSMUSG00000030802.15,Bckdk,protein_coding	0.08358957	0.5611216
ENSMUSG00000089997.3,Cfap92,protein_coding	0.0835748	0.8478939
ENSMUSG00000079426.14,Arpc4,protein_coding	0.08355919	0.5585807
ENSMUSG00000022035.7,Ccdc25,protein_coding	0.08355913	0.4902658
ENSMUSG00000001334.11,Fndc5,protein_coding	0.08353999	0.6451859
ENSMUSG00000035545.14,Leng8,protein_coding	0.08349596	0.6378104
ENSMUSG00000040220.11,Gas8,protein_coding	0.0834795	0.5949165
ENSMUSG00000112254.2,Gm47690,TEC	0.08346557	0.7315738
ENSMUSG00000115370.2,Gm15667,processed_pseudogene	0.08343638	0.7819259
ENSMUSG00000109505.2,Gm44677,TEC	0.08339506	0.8217933
ENSMUSG00000058192.17,Zfp846,protein_coding	0.0833876	0.5841904
ENSMUSG00000018634.11,Crhr1,protein_coding	0.08336839	0.7286479
ENSMUSG00000108297.2,Gm44167,lncRNA	0.08333413	0.7385494
ENSMUSG00000036646.14,Man1b1,protein_coding	0.0832762	0.5500819
ENSMUSG00000024236.19,Svil,protein_coding	0.08327616	0.5668238
ENSMUSG00000032898.10,Fbxo21,protein_coding	0.08327216	0.6429971
ENSMUSG00000136515.1,ENSMUSG00000136515,lncRNA	0.08325105	0.8713854
ENSMUSG00000116165.2,Pdxp,protein_coding	0.08321664	0.7534377
ENSMUSG00000024049.16,Myom1,protein_coding	0.08320682	0.7806571
ENSMUSG00000048578.12,Mlec,protein_coding	0.08318311	0.5280984

ENSMUSG00000022018.8,Rgcc,protein_coding	0.08315228	0.720923
ENSMUSG00000079442.13,St6galnac4,protein_coding	0.08313012	0.7253351
ENSMUSG00000105272.2,Gm43071,TEC	0.08312089	0.7760945
ENSMUSG00000114409.2,Gm9042,processed_pseudogene	0.08311542	0.8511183
ENSMUSG00000034190.10,Chmp7,protein_coding	0.08311226	0.4990337
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ENSMUSG00000033022.9,Cdo1,protein_coding	0.08302762	0.6627538
ENSMUSG00000023832.15,Acat2,protein_coding	0.08299012	0.659618
ENSMUSG00000033740.18,St18,protein_coding	0.08298197	0.8411987
ENSMUSG00000028096.14,Gpr89,protein_coding	0.08295705	0.4891811
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ENSMUSG00000046160.7,Olig1,protein_coding	0.08290916	0.4950469
ENSMUSG00000063626.7,Unc5d,protein_coding	0.08289203	0.6652982
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ENSMUSG00000121504.2,Ppp4r1l-ps,lncRNA	0.08283894	0.6169299
ENSMUSG00000069114.9,Zbtb10,protein_coding	0.08283522	0.7114628
ENSMUSG00000070407.6,Hs3st3b1,protein_coding	0.08283431	0.790918
ENSMUSG00000039148.6,Sart1,protein_coding	0.08282684	0.5878022
ENSMUSG00000070802.6,Pnma8b,protein_coding	0.0827965	0.7337143
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ENSMUSG00000018427.9,Ypel2,protein_coding	0.08269241	0.6870819
ENSMUSG00000001418.14,Glmp,protein_coding	0.08267584	0.6129439
ENSMUSG00000097451.13,Rian,lncRNA	0.08264019	0.6933214
ENSMUSG00000003062.14,Stard3nl,protein_coding	0.08263375	0.5166627
ENSMUSG00000120343.2,4930434J08Rik,lncRNA	0.0826334	0.7573362
ENSMUSG00000040339.11,Eeig2,protein_coding	0.08247832	0.6948449
ENSMUSG00000029307.8,Dmp1,protein_coding	0.08247046	0.8321959
ENSMUSG00000035027.19,Map2k2,protein_coding	0.08242579	0.5777034
ENSMUSG00000024042.8,Sik1,protein_coding	0.08240748	0.6785303
ENSMUSG00000053646.14,Plxnb1,protein_coding	0.0823968	0.5626997
ENSMUSG00000037395.17,Rcor3,protein_coding	0.08237749	0.6189648
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ENSMUSG00000015289.5,Lage3,protein_coding	0.08236883	0.6516402
ENSMUSG00000040365.15,Trim41,protein_coding	0.08233814	0.5125534
ENSMUSG00000087660.3,B230398E01Rik,lncRNA	0.08233104	0.8352747
ENSMUSG00000109401.2,Cpeb1os1,TEC	0.08233059	0.8205309
ENSMUSG00000038485.7,Socs7,protein_coding	0.08232704	0.5899987
ENSMUSG00000120554.2,Gm57268,lncRNA	0.08232569	0.7723021
ENSMUSG00000143989.1,ENSMUSG00000143989,lncRNA	0.08225015	0.9039326
ENSMUSG00000038604.10,Ripor1,protein_coding	0.08224709	0.6611353
ENSMUSG00000024170.16,Telo2,protein_coding	0.08221603	0.625648
ENSMUSG00000118257.3,9630014M24Rik,lncRNA	0.08220283	0.7313778
ENSMUSG00000010205.12,Raver1,protein_coding	0.08217452	0.7447263
ENSMUSG00000041460.17,Cacna2d4,protein_coding	0.08216222	0.7772101
ENSMUSG00000078584.10,AU022252,protein_coding	0.08215311	0.5055657
ENSMUSG00000080316.12,Spaca6,protein_coding	0.08211445	0.7518705
ENSMUSG00000025939.20,Ube2w,protein_coding	0.08210864	0.6945934
ENSMUSG00000066438.7,Plekhd1,protein_coding	0.08204792	0.802114
ENSMUSG00000044148.7,1810030O07Rik,protein_coding	0.08203099	0.6388064
ENSMUSG00000039851.12,Epcip,protein_coding	0.08201091	0.7989391

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ENSMUSG00000037134.18,Prmt9,protein_coding	0.08186987	0.5007374
ENSMUSG00000065990.13,Aurkaip1,protein_coding	0.08186338	0.7010909
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ENSMUSG00000028982.10,Slc25a33,protein_coding	0.08181682	0.7033483
ENSMUSG00000022517.18,Mgrn1,protein_coding	0.08171682	0.6586293
ENSMUSG00000019992.9,Mtfr2,protein_coding	0.08168617	0.9188239
ENSMUSG00000027879.10,Sec22b,protein_coding	0.08166276	0.5595998
ENSMUSG00000021596.18,Mctp1,protein_coding	0.08164644	0.7178364
ENSMUSG00000000628.11,Hk2,protein_coding	0.08162392	0.8697226
ENSMUSG00000106032.2,Gm42463,lncRNA	0.08160707	0.7543
ENSMUSG00000104631.2,Gm43774,lncRNA	0.0816027	0.8309154
ENSMUSG00000038046.5,Mrm3,protein_coding	0.08159818	0.6907882
ENSMUSG00000097357.5,Gm16793,lncRNA	0.08158612	0.7898711
ENSMUSG00000081094.5,Rpl19-ps11,transcribed_processed_pseudogene	0.08155054	0.8276282
ENSMUSG00000035268.15,Pkig,protein_coding	0.08154028	0.5890982
ENSMUSG00000050621.8,Rps27rt,protein_coding	0.08139537	0.8505464
ENSMUSG00000008658.18,Rbfox1,protein_coding	0.08135933	0.7059458
ENSMUSG00000044933.4,Sstr3,protein_coding	0.08135746	0.7232727
ENSMUSG00000066113.17,Adamtsl1,protein_coding	0.08129534	0.6919082
ENSMUSG00000034235.18,Usp54,protein_coding	0.08124671	0.5284182
ENSMUSG00000109286.2,Gm44541,TEC	0.08121901	0.6576354
ENSMUSG00000127347.1,ENSMUSG00000127347,lncRNA	0.08113411	0.879606
ENSMUSG00000104735.2,C130075A20Rik,TEC	0.08108119	0.8497591
ENSMUSG00000027715.10,Ccna2,protein_coding	0.0810724	0.9358531
ENSMUSG00000053604.6,Rpia,protein_coding	0.08103485	0.6308223
ENSMUSG00000029068.17,Ccnl2,protein_coding	0.0810076	0.6149934
ENSMUSG00000044694.4,2010007H06Rik,lncRNA	0.08089469	0.954469
ENSMUSG00000027285.14,Haus2,protein_coding	0.08087765	0.6858333
ENSMUSG00000055148.8,Klf2,protein_coding	0.08087473	0.741586
ENSMUSG00000002409.19,Dyrk1b,protein_coding	0.08085967	0.7134468
ENSMUSG00000121377.2,Gm5113,lncRNA	0.08082486	0.5854217
ENSMUSG00000121783.1,ENSMUSG00000121783,lncRNA	0.0808196	0.7749016
ENSMUSG00000023411.13,Nfatc4,protein_coding	0.08079756	0.8005706
ENSMUSG00000019261.4,Map1s,protein_coding	0.08076372	0.5934163
ENSMUSG00000023452.20,Pisd,protein_coding	0.08071824	0.6658351
ENSMUSG00000104479.2,Gm10305,TEC	0.08066992	0.7216384
ENSMUSG00000113195.2,Gm48586,TEC	0.08061965	0.8436542
ENSMUSG00000037606.19,Osbpl5,protein_coding	0.08060693	0.6958001
ENSMUSG00000060961.17,Slc4a4,protein_coding	0.08059187	0.5942342
ENSMUSG00000090330.4,9130221H12Rik,lncRNA	0.08058805	0.6270099
ENSMUSG00000034701.10,Neurod1,protein_coding	0.08056491	0.8989698
ENSMUSG00000026421.15,Csrp1,protein_coding	0.08055588	0.5695995
ENSMUSG00000020883.19,Fbxl20,protein_coding	0.0805347	0.4320971
ENSMUSG00000041515.11,Irf8,protein_coding	0.08051311	0.9526015
ENSMUSG00000004500.10,Zfp324,protein_coding	0.08042895	0.6283308
ENSMUSG00000083863.2,Gm13341,unprocessed_pseudogene	0.08042762	0.8597693
ENSMUSG00000022554.8,Hgh1,protein_coding	0.0804249	0.727165
ENSMUSG00000024665.9,Fads2,protein_coding	0.08040019	0.663309
ENSMUSG00000020130.10,Tbc1d15,protein_coding	0.08036367	0.635333
ENSMUSG00000037172.15,Dennd11,protein_coding	0.0803486	0.6978333

ENSMUSG00000029536.9,Gatc,protein_coding	0.08023274	0.5650955
ENSMUSG00000119530.1,Gm25085,snoRNA	0.08022085	0.8789502
ENSMUSG00000030539.14,Sema4b,protein_coding	0.08021062	0.658901
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ENSMUSG00000030731.14,Syt3,protein_coding	0.08016413	0.6799249
ENSMUSG00000097827.3,5330439K02Rik,lncRNA	0.08012576	0.7610757
ENSMUSG00000104891.2,2510017J16Rik,lncRNA	0.0801171	0.8394596
ENSMUSG00000034165.17,Ccnd3,protein_coding	0.0801046	0.8747607
ENSMUSG00000041235.13,Chd7,protein_coding	0.08008435	0.8494815
ENSMUSG00000021518.5,Ptdss1,protein_coding	0.08005957	0.5381351
ENSMUSG00000040606.15,Kazn,protein_coding	0.07998603	0.6079268
ENSMUSG00000021423.7,Ly86,protein_coding	0.07998477	0.9196736
ENSMUSG00000033088.20,Triobp,protein_coding	0.07997804	0.7675982
ENSMUSG00000120199.2,Gm57202,lncRNA	0.07996686	0.8670395
ENSMUSG00000043388.9,Tmem130,protein_coding	0.0799347	0.8134455
ENSMUSG00000007908.15,Hmgcll1,protein_coding	0.07991982	0.6148926
ENSMUSG00000036442.9,Thap11,protein_coding	0.07990258	0.5766399
ENSMUSG00000049571.19,Cfap46,protein_coding	0.0798834	0.7639852
ENSMUSG00000106612.2,Gm43750,TEC	0.07988253	0.7946912
ENSMUSG00000112248.2,Gm47910,TEC	0.07985591	0.8268012
ENSMUSG00000060121.16,Gemin2,protein_coding	0.0798482	0.7018871
ENSMUSG00000083935.2,Gm12294,processed_pseudogene	0.0798364	0.8369018
ENSMUSG00000108640.2,Gm44508,TEC	0.07981656	0.7966151
ENSMUSG00000107917.2,Gm44235,TEC	0.07979511	0.7655065
ENSMUSG00000028974.14,Dffa,protein_coding	0.0797832	0.6299363
ENSMUSG00000031840.15,Rab3a,protein_coding	0.07975987	0.7346961
ENSMUSG00000045608.8,Dbx2,protein_coding	0.07974463	0.6389203
ENSMUSG00000089715.13,Cbx6,protein_coding	0.07971394	0.6635467
ENSMUSG00000020263.15,Appl2,protein_coding	0.07971211	0.7712742
ENSMUSG00000113250.2,Gm48585,TEC	0.07967707	0.8009853
ENSMUSG00000031819.14,Emc8,protein_coding	0.07961303	0.4934025
ENSMUSG00000034118.16,Tpst1,protein_coding	0.07961278	0.5026081
ENSMUSG00000114707.2,Gm47558,TEC	0.07960197	0.7599956
ENSMUSG00000097346.3,Rps18-ps4,lncRNA	0.07959841	0.8822894
ENSMUSG00000057375.14,Yipf1,protein_coding	0.0795905	0.5623029
ENSMUSG00000029861.18,Fam131b,protein_coding	0.07958403	0.6857491
ENSMUSG00000029063.17,Nadk,protein_coding	0.07957508	0.4472626
ENSMUSG00000046056.16,Sbsn,protein_coding	0.07953938	0.7853887
ENSMUSG00000052837.8,Junb,protein_coding	0.07951272	0.6519419
ENSMUSG00000096054.4,Syne1,protein_coding	0.07948036	0.7218247
ENSMUSG00000028833.14,Ncdn,protein_coding	0.07946547	0.7772789
ENSMUSG00000007833.16,Aldh16a1,protein_coding	0.07943349	0.8122774
ENSMUSG00000117557.2,Gm50070,lncRNA	0.07942628	0.8590044
ENSMUSG00000074887.7,EU599041,lncRNA	0.0794206	0.958363
ENSMUSG00000025139.15,Tollip,protein_coding	0.07940393	0.5746935
ENSMUSG00000025272.17,Tro,protein_coding	0.07934427	0.6493675
ENSMUSG00000114446.3,Gm33524,lncRNA	0.07925044	0.9355959
ENSMUSG00000031015.9,Swap70,protein_coding	0.07924194	0.9167525
ENSMUSG00000137098.1,ENSMUSG00000137098,lncRNA	0.07922756	0.9075756
ENSMUSG00000113440.3,Gm46404,lncRNA	0.07922156	0.800764
ENSMUSG00000028563.17,Tm2d1,protein_coding	0.07919881	0.6814978
ENSMUSG00000102868.2,Gm37633,TEC	0.07915687	0.7941198

ENSMUSG00000026617.17,Bpnt1,protein_coding	0.07911747	0.4815666
ENSMUSG00000068115.14,Ninl,protein_coding	0.07910563	0.6573072
ENSMUSG00000097892.4,Gm26801,lncRNA	0.07907596	0.8565825
ENSMUSG00000029071.17,Dvl1,protein_coding	0.0789885	0.5576334
ENSMUSG00000030376.9,Slc8a2,protein_coding	0.07896735	0.7654652
ENSMUSG00000111291.2,Gm48604,lncRNA	0.07893634	0.6580877
ENSMUSG00000024891.7,Slc29a2,protein_coding	0.07887228	0.7901891
ENSMUSG00000069727.6,Zfp975,protein_coding	0.07887086	0.7899341
ENSMUSG00000079657.11,Rab26,protein_coding	0.07886662	0.8031744
ENSMUSG00000010097.16,Nxf1,protein_coding	0.0788121	0.5312726
ENSMUSG00000048307.9,Ankrd46,protein_coding	0.07873198	0.5604333
ENSMUSG00000006307.17,Kmt2b,protein_coding	0.07872825	0.6110398
ENSMUSG00000029121.17,Crmp1,protein_coding	0.07871849	0.6730283
ENSMUSG00000026425.16,Srgap2,protein_coding	0.07871788	0.6740591
ENSMUSG00000102423.2,Gm37465,TEC	0.07861408	0.8152623
ENSMUSG00000110928.2,Gm48114,TEC	0.07860938	0.7937157
ENSMUSG00000019969.15,Psen1,protein_coding	0.07860137	0.4549044
ENSMUSG00000120174.2,4931408D14Rik,lncRNA	0.07857803	0.8540724
ENSMUSG00000031995.10,St14,protein_coding	0.07854638	0.9230891
ENSMUSG00000074811.4,Hps6,protein_coding	0.07853712	0.7568406
ENSMUSG00000106553.2,6720482G16Rik,TEC	0.07852637	0.8890119
ENSMUSG00000020255.9,Nopchap1,protein_coding	0.07850557	0.741208
ENSMUSG00000051864.11,Tbc1d22a,protein_coding	0.07846018	0.611606
ENSMUSG00000091519.2,Skor2,protein_coding	0.07840099	0.9007092
ENSMUSG00000137245.1,ENSMUSG00000137245,lncRNA	0.07838291	0.8062213
ENSMUSG00000055805.16,Fmnl1,protein_coding	0.07836522	0.7192947
ENSMUSG00000008153.13,Clstn3,protein_coding	0.0783503	0.7038693
ENSMUSG00000108456.2,4732496C06Rik,lncRNA	0.07833435	0.7083916
ENSMUSG00000018999.15,Slc35b4,protein_coding	0.0783235	0.6071604
ENSMUSG00000044345.10,Marveld1,protein_coding	0.07827815	0.602718
ENSMUSG00000020183.12,Cpm,protein_coding	0.07826218	0.7176578
ENSMUSG00000002870.9,Mcm2,protein_coding	0.07825931	0.9269002
ENSMUSG00000032064.18,Dixdc1,protein_coding	0.07823197	0.6185306
ENSMUSG00000114575.3,Gm47814,lncRNA	0.07819795	0.7167518
ENSMUSG00000033949.13,Trim36,protein_coding	0.07812953	0.7238282
ENSMUSG00000081046.2,Gm12846,processed_pseudogene	0.07812404	0.8973326
ENSMUSG00000032231.15,Anxa2,protein_coding	0.07811569	0.8520122
ENSMUSG00000007987.13,Ift22,protein_coding	0.07810375	0.6010619
ENSMUSG00000120428.2,Gm56523,lncRNA	0.07810245	0.7366435
ENSMUSG00000039533.9,Mmd2,protein_coding	0.07808299	0.6154657
ENSMUSG00000044197.9,Gpr146,protein_coding	0.07803885	0.5861846
ENSMUSG00000030120.15,Mlf2,protein_coding	0.07800973	0.6977707
ENSMUSG00000020827.19,Mink1,protein_coding	0.0779841	0.6942545
ENSMUSG00000026727.11,Rsu1,protein_coding	0.07796623	0.6303322
ENSMUSG00000035914.12,Cd276,protein_coding	0.07795139	0.7494363
ENSMUSG00000021752.15,Kctd6,protein_coding	0.07793367	0.6295527
ENSMUSG00000006273.15,Atp6v1b2,protein_coding	0.07788504	0.6976068
ENSMUSG00000061518.12,Cox5b,protein_coding	0.07788399	0.675941
ENSMUSG00000043301.17,Kcnj6,protein_coding	0.07779235	0.7033414
ENSMUSG00000032289.16,Thsd4,protein_coding	0.0777701	0.7528561
ENSMUSG00000020037.16,Rfx4,protein_coding	0.07776722	0.5990245
ENSMUSG00000107200.2,Gm43039,TEC	0.07774066	0.7655239

ENSMUSG00000028277.14,Ube2j1,protein_coding	0.07770522	0.5698699
ENSMUSG00000004268.12,Emg1,protein_coding	0.07769545	0.6906484
ENSMUSG00000028849.18,Map7d1,protein_coding	0.07766349	0.6404342
ENSMUSG00000027828.13,Ssr3,protein_coding	0.07764993	0.5407626
ENSMUSG00000061111.9,Mcrip1,protein_coding	0.07764347	0.7007815
ENSMUSG00000008305.20,Tle1,protein_coding	0.07759816	0.5839243
ENSMUSG00000046743.7,Fat4,protein_coding	0.07759	0.7155355
ENSMUSG00000038930.12,Rccd1,protein_coding	0.07758911	0.7325495
ENSMUSG00000031485.16,Plpbp,protein_coding	0.07757312	0.4914089
ENSMUSG00000105945.2,Gm43570,lncRNA	0.07757224	0.8236249
ENSMUSG00000109719.2,Gm45266,TEC	0.0775253	0.9033398
ENSMUSG00000029775.15,Klhdc10,protein_coding	0.07746306	0.5159081
ENSMUSG00000117896.3,AA387883,lncRNA	0.0774173	0.8688684
ENSMUSG00000045237.6,Eola1,protein_coding	0.07728811	0.7834061
ENSMUSG00000027466.16,Rbck1,protein_coding	0.07723173	0.6347739
ENSMUSG00000057554.14,Lgals8,protein_coding	0.07722505	0.5654892
ENSMUSG00000031728.11,Zfp821,protein_coding	0.07721642	0.5690165
ENSMUSG00000111497.2,Gm38431,protein_coding	0.07720075	0.7719922
ENSMUSG00000114993.2,Gm6363,processed_pseudogene	0.07710465	0.9091984
ENSMUSG00000039789.8,Zfp597,protein_coding	0.07710172	0.5626332
ENSMUSG00000028329.14,Xpa,protein_coding	0.07706913	0.7408164
ENSMUSG00000043670.5,Diras1,protein_coding	0.0770445	0.7240231
ENSMUSG00000018459.16,Slc13a3,protein_coding	0.07700654	0.6921
ENSMUSG00000004035.13,Gstm7,protein_coding	0.07699608	0.7935133
ENSMUSG00000063681.15,Crb1,protein_coding	0.07697467	0.8601836
ENSMUSG00000047013.16,Fbxo41,protein_coding	0.07696489	0.7317666
ENSMUSG00000027427.14,Polr3f,protein_coding	0.07695379	0.620659
ENSMUSG00000063884.7,Ptcd3,protein_coding	0.07691849	0.485346
ENSMUSG00000102407.2,Gm37862,TEC	0.0769152	0.8073422
ENSMUSG00000055994.16,Nod2,protein_coding	0.07687331	0.9148107
ENSMUSG00000106087.2,Gm43609,TEC	0.07683563	0.7532594
ENSMUSG00000027331.16,Knstrn,protein_coding	0.07683242	0.9359375
ENSMUSG00000043872.15,Zmym1,protein_coding	0.07681645	0.7333542
ENSMUSG00000020284.17,Cfap410,protein_coding	0.07678778	0.6521587
ENSMUSG00000120787.2,Gm56659,lncRNA	0.07675106	0.8544489
ENSMUSG00000136351.1,ENSMUSG00000136351,lncRNA	0.07671811	0.7748481
ENSMUSG00000034438.17,Gbp8,protein_coding	0.0766898	0.9645794
ENSMUSG00000014550.15,Rbsn,protein_coding	0.07667816	0.4318264
ENSMUSG00000073532.4,Gm7276,lncRNA	0.07666898	0.805817
ENSMUSG00000105358.2,Gm43099,TEC	0.07665537	0.7404091
ENSMUSG00000021877.13,Arf4,protein_coding	0.07664168	0.7078379
ENSMUSG00000022388.15,Ttll8,protein_coding	0.0766239	0.8425513
ENSMUSG00000108865.2,Gm44617,lncRNA	0.07656975	0.8782149
ENSMUSG00000003131.8,Pafah1b2,protein_coding	0.07656128	0.5561539
ENSMUSG00000107363.2,Gm43373,TEC	0.07652699	0.8562197
ENSMUSG00000033166.12,Dis3,protein_coding	0.07650838	0.8026924
ENSMUSG00000024593.16,Megf10,protein_coding	0.07644465	0.6951398
ENSMUSG00000111977.2,Gm47163,lncRNA	0.07643388	0.7442677
ENSMUSG00000039126.11,Prune2,protein_coding	0.07641424	0.7299454
ENSMUSG00000027454.11,Gins1,protein_coding	0.07639166	0.9467842
ENSMUSG00000047205.13,Dusp18,protein_coding	0.07638664	0.7624966
ENSMUSG00000024077.16,Strn,protein_coding	0.07636815	0.737217

ENSMUSG00000042472.12,Zfp410,protein_coding	0.07634321	0.6617522
ENSMUSG00000030717.10,Nupr1,protein_coding	0.07633175	0.880641
ENSMUSG00000028671.17,Gale,protein_coding	0.07632236	0.7874774
ENSMUSG00000001138.14,Cnnm3,protein_coding	0.07632004	0.5904718
ENSMUSG00000027035.11,Cers6,protein_coding	0.07629846	0.6643157
ENSMUSG00000001018.16,Snapin,protein_coding	0.07624261	0.563618
ENSMUSG00000014767.18,Tbp,protein_coding	0.07623663	0.6633314
ENSMUSG00000025223.16,Ldb1,protein_coding	0.07623645	0.6060407
ENSMUSG00000027660.17,Skil,protein_coding	0.07620634	0.6047289
ENSMUSG00000037736.21,Limch1,protein_coding	0.07608011	0.582121
ENSMUSG00000085241.8,Snhg3,lncRNA	0.07606148	0.8539008
ENSMUSG00000059493.14,Nhs,protein_coding	0.07605786	0.7240105
ENSMUSG00000033578.8,Tmem35a,protein_coding	0.07599708	0.609219
ENSMUSG00000022479.16,Vdr,protein_coding	0.07599165	0.9177833
ENSMUSG00000117113.2,Gm49883,TEC	0.07597381	0.6462096
ENSMUSG00000027806.10,Tsc22d2,protein_coding	0.07596448	0.6135853
ENSMUSG00000038965.18,Ube2l3,protein_coding	0.0759387	0.4332358
ENSMUSG00000018537.17,Pcgf2,protein_coding	0.07593128	0.6914532
ENSMUSG00000133019.1,ENSMUSG00000133019,lncRNA	0.0759001	0.879986
ENSMUSG00000026028.13,Trak2,protein_coding	0.07588712	0.6148955
ENSMUSG00000106557.2,Gm42442,TEC	0.07586824	0.7866343
ENSMUSG00000106870.2,Gm43681,TEC	0.07585303	0.7262777
ENSMUSG00000018166.9,Erbb3,protein_coding	0.07582248	0.701427
ENSMUSG00000025545.11,Clybl,protein_coding	0.07581901	0.8094267
ENSMUSG00000057342.16,Sphk2,protein_coding	0.07578631	0.683756
ENSMUSG00000027430.13,Dtd1,protein_coding	0.075699	0.743785
ENSMUSG00000034327.19,Kctd9,protein_coding	0.07568232	0.7492505
ENSMUSG00000051323.17,Pcdh19,protein_coding	0.07565931	0.7602049
ENSMUSG00000048897.16,Zfp710,protein_coding	0.07565816	0.7346748
ENSMUSG00000041035.10,Dpcd,protein_coding	0.0756391	0.7795217
ENSMUSG00000061578.10,Ksr2,protein_coding	0.07562942	0.662709
ENSMUSG00000038055.13,Dexi,protein_coding	0.07562841	0.6561699
ENSMUSG00000113789.2,Gm47322,TEC	0.07562096	0.8634895
ENSMUSG00000106962.2,Gm43633,TEC	0.07559814	0.8020937
ENSMUSG00000105485.2,Gm42447,TEC	0.07552165	0.8370716
ENSMUSG00000020925.18,Ccdc43,protein_coding	0.0755138	0.6242263
ENSMUSG00000044876.16,Zfp444,protein_coding	0.0755085	0.6131492
ENSMUSG00000003929.12,Zfp81,protein_coding	0.07536654	0.6387395
ENSMUSG00000020303.3,Stc2,protein_coding	0.07535107	0.8520876
ENSMUSG00000020327.5,Fgf22,protein_coding	0.07529552	0.7826706
ENSMUSG00000063275.17,Hacd1,protein_coding	0.07528482	0.7735438
ENSMUSG00000010045.3,Tmem115,protein_coding	0.07527103	0.6912993
ENSMUSG00000034216.13,Vps18,protein_coding	0.07524802	0.6699551
ENSMUSG00000040543.17,Pitpnm3,protein_coding	0.07522649	0.6989685
ENSMUSG00000042642.14,Flad1,protein_coding	0.07520548	0.5488536
ENSMUSG00000107199.2,Gm42550,TEC	0.07518272	0.8047037
ENSMUSG00000110558.2,Gm45779,TEC	0.07513062	0.7222158
ENSMUSG00000040867.14,Begain,protein_coding	0.07511959	0.7857119
ENSMUSG00000038718.16,Pbx3,protein_coding	0.07506457	0.7419836
ENSMUSG00000113391.2,Gm48327,TEC	0.07503861	0.8283815
ENSMUSG00000041849.8,Card6,protein_coding	0.07503657	0.882266
ENSMUSG00000025153.10,Fasn,protein_coding	0.07503204	0.6780911

ENSMUSG00000093904.3,Tomm20,protein_coding	0.07501125	0.6538174
ENSMUSG00000109359.2,Gm44797,TEC	0.07500985	0.7510128
ENSMUSG00000045589.8,Frrs1l,protein_coding	0.07499881	0.7344893
ENSMUSG00000105332.2,Gm43316,TEC	0.07499085	0.8474419
ENSMUSG00000039840.9,Epg5,protein_coding	0.07495272	0.4857716
ENSMUSG00000063556.6,Gm10132,processed_pseudogene	0.07490358	0.928766
ENSMUSG00000089682.11,Bcl2l2,protein_coding	0.07488567	0.6408636
ENSMUSG00000035246.17,Pcyt1b,protein_coding	0.07487112	0.6465395
ENSMUSG00000030739.20,Myh14,protein_coding	0.07486833	0.7417073
ENSMUSG00000096299.6,Gm21814,lncRNA	0.07485158	0.7957482
ENSMUSG00000103642.2,Gm37769,TEC	0.07483968	0.8252371
ENSMUSG00000032777.10,Gtf3c1,protein_coding	0.07480941	0.5803621
ENSMUSG00000018559.17,Ctdnep1,protein_coding	0.0748066	0.5263932
ENSMUSG00000039844.21,Rapgef1,protein_coding	0.07480594	0.6276414
ENSMUSG00000102533.2,Gm37226,TEC	0.07480395	0.760376
ENSMUSG00000037989.17,Wnk2,protein_coding	0.07477899	0.6849459
ENSMUSG00000040759.10,Cmtm5,protein_coding	0.07477825	0.672454
ENSMUSG00000028078.15,Dclk2,protein_coding	0.0747644	0.7052804
ENSMUSG00000046562.6,Unc119b,protein_coding	0.07475503	0.6435412
ENSMUSG00000009566.13,Fpgs,protein_coding	0.07475144	0.7948311
ENSMUSG00000115373.2,Gm49194,lncRNA	0.07474905	0.837913
ENSMUSG00000045312.13,Lhfpl2,protein_coding	0.07460154	0.6330189
ENSMUSG00000108943.2,Gm44559,TEC	0.07451115	0.8303888
ENSMUSG00000022665.16,Ccdc80,protein_coding	0.07450968	0.7202011
ENSMUSG00000070003.8,Ssbp4,protein_coding	0.07447685	0.7557209
ENSMUSG00000030268.18,Bcat1,protein_coding	0.07443413	0.7630307
ENSMUSG00000028637.17,Ccdc30,protein_coding	0.07438957	0.7546738
ENSMUSG00000025571.14,Tnrc6c,protein_coding	0.07435156	0.6088575
ENSMUSG00000032714.7,Syde1,protein_coding	0.07434988	0.6814462
ENSMUSG00000134402.1,Gm12250,lncRNA	0.07433547	0.9657861
ENSMUSG00000028798.17,Eif3i,protein_coding	0.07433369	0.7011505
ENSMUSG00000024188.17,Luc7l,protein_coding	0.07431898	0.4676197
ENSMUSG00000022369.14,Mtbp,protein_coding	0.07431392	0.9065824
ENSMUSG00000074088.7,Snrnp40,protein_coding	0.07427402	0.6628846
ENSMUSG00000049191.13,Rtl5,protein_coding	0.07424384	0.8032192
ENSMUSG00000024191.16,Bnip1,protein_coding	0.07420054	0.6419664
ENSMUSG00000022791.20,Tnk2,protein_coding	0.07419922	0.7274538
ENSMUSG00000046240.9,Hepacam,protein_coding	0.07414435	0.5254215
ENSMUSG00000105867.3,Tmem217rt,protein_coding	0.0741154	0.7991463
ENSMUSG00000118423.3,Lrrc70,transcribed_unitary_pseudogene	0.07409511	0.9195884
ENSMUSG00000047766.16,Lrrc49,protein_coding	0.07399973	0.5614935
ENSMUSG00000071657.13,Bscl2,protein_coding	0.07396087	0.6052503
ENSMUSG00000017167.7,Cntnap1,protein_coding	0.07390589	0.6422593
ENSMUSG00000031775.6,Pllp,protein_coding	0.0738653	0.7637428
ENSMUSG00000083708.2,Gm13123,processed_pseudogene	0.07384228	0.8962882
ENSMUSG00000020794.14,Ube2g1,protein_coding	0.07383193	0.6956938
ENSMUSG00000001036.18,Epn2,protein_coding	0.07380497	0.5459443
ENSMUSG00000054381.6,Zfp747,protein_coding	0.07376412	0.6725642
ENSMUSG00000108049.2,Gm44168,TEC	0.07371067	0.7579949
ENSMUSG00000032184.6,Lysmd2,protein_coding	0.07366422	0.6574846
ENSMUSG00000025576.18,Rbfox3,protein_coding	0.07360404	0.6737655
ENSMUSG00000099964.8,Gm29514,lncRNA	0.07358833	0.7307181

ENSMUSG00000019857.8,Asf1a,protein_coding	0.07357948	0.7443465
ENSMUSG00000053963.8,Stum,protein_coding	0.07356893	0.8305594
ENSMUSG00000060862.11,Zbtb40,protein_coding	0.07356693	0.613698
ENSMUSG00000051335.7,Gfod1,protein_coding	0.07355459	0.684716
ENSMUSG00000101301.2,Gm29214,processed_pseudogene	0.0735495	0.8437829
ENSMUSG00000038495.15,Otud7b,protein_coding	0.07352357	0.5134852
ENSMUSG00000120979.2,Gm56718,lncRNA	0.07348442	0.7288024
ENSMUSG00000074622.5,Mafb,protein_coding	0.07346891	0.7528764
ENSMUSG00000102951.2,Gm37216,TEC	0.0734263	0.8274331
ENSMUSG00000075592.12,Nynrin,protein_coding	0.07342044	0.8206226
ENSMUSG00000099672.3,Gm28564,lncRNA	0.07339473	0.8640615
ENSMUSG00000050017.12,Pitpnb,protein_coding	0.07335031	0.4943431
ENSMUSG00000087334.3,AW495222,lncRNA	0.07334022	0.8865846
ENSMUSG00000027223.16,Mapk8ip1,protein_coding	0.07326657	0.6665183
ENSMUSG00000049739.11,Zfp646,protein_coding	0.07323535	0.6219771
ENSMUSG00000089857.10,Zfp882,protein_coding	0.07321919	0.7439426
ENSMUSG00000039873.5,Neurl2,protein_coding	0.07318969	0.913404
ENSMUSG00000111935.2,Gm47023,TEC	0.07318663	0.8300524
ENSMUSG00000089824.11,Rbm12,protein_coding	0.07312352	0.6958924
ENSMUSG00000022885.17,St6gal1,protein_coding	0.07306313	0.8824386
ENSMUSG00000074212.8,Dnajb14,protein_coding	0.07304253	0.6037201
ENSMUSG00000121202.2,Gm57000,lncRNA	0.07304094	0.7797495
ENSMUSG00000011148.15,Adss1,protein_coding	0.07300318	0.7231548
ENSMUSG00000002014.13,Ssr4,protein_coding	0.07299911	0.6870919
ENSMUSG00000022960.14,Donson,protein_coding	0.07299101	0.6049134
ENSMUSG00000019920.19,Lims1,protein_coding	0.07296258	0.7135306
ENSMUSG00000026442.15,Nfasc,protein_coding	0.07293628	0.6344505
ENSMUSG00000045078.13,Rnf216,protein_coding	0.07293273	0.5119248
ENSMUSG00000104210.2,Gm37984,TEC	0.07288542	0.8379057
ENSMUSG00000026933.19,Camsap1,protein_coding	0.07286886	0.5812359
ENSMUSG00000029034.10,Ints11,protein_coding	0.0727637	0.7441648
ENSMUSG00000138531.1,ENSMUSG00000138531,lncRNA	0.07268845	0.7432657
ENSMUSG00000064844.3,Gm26202,snoRNA	0.07263091	0.8598733
ENSMUSG00000045903.10,Npas4,protein_coding	0.07257781	0.8546198
ENSMUSG00000097464.2,Gm26736,TEC	0.07256317	0.8346255
ENSMUSG00000115161.2,Gm20555,TEC	0.07255949	0.7902872
ENSMUSG00000022948.17,Setd4,protein_coding	0.07254803	0.7602353
ENSMUSG00000100867.2,Gm18981,processed_pseudogene	0.07254121	0.8725896
ENSMUSG00000114016.2,Gm47258,TEC	0.07254107	0.7994381
ENSMUSG00000032171.8,Pin1,protein_coding	0.07252042	0.6021936
ENSMUSG00000006342.16,Susd2,protein_coding	0.07249887	0.8647295
ENSMUSG00000047787.9,Flrt1,protein_coding	0.07248773	0.7043721
ENSMUSG00000036299.6,BC031181,protein_coding	0.0724858	0.6476719
ENSMUSG00000051790.16,Nlgn2,protein_coding	0.07247978	0.719975
ENSMUSG00000024059.11,Clip4,protein_coding	0.07244121	0.7054898
ENSMUSG00000018750.15,Zbtb4,protein_coding	0.07243316	0.5764005
ENSMUSG00000023988.9,Bysl,protein_coding	0.07243156	0.5939433
ENSMUSG00000044337.6,Ackr3,protein_coding	0.07242737	0.8086904
ENSMUSG00000052310.10,Slc39a1,protein_coding	0.07241867	0.7297004
ENSMUSG00000040591.19,Cstpp1,protein_coding	0.07239463	0.6917715
ENSMUSG00000057596.14,Trim30d,protein_coding	0.07236002	0.9476168
ENSMUSG00000035171.10,1110059E24Rik,protein_coding	0.07235534	0.7746765

ENSMUSG00000037243.18,Zfp692,protein_coding	0.07234454	0.7483093
ENSMUSG00000020246.14,Hcfc2,protein_coding	0.07231552	0.5946164
ENSMUSG00000107414.2,6330419E04Rik,TEC	0.0722142	0.82349
ENSMUSG00000059923.14,Grb2,protein_coding	0.07221274	0.6369509
ENSMUSG00000078161.9,Erich3,protein_coding	0.07221076	0.7619239
ENSMUSG00000021993.11,Mipep,protein_coding	0.07207898	0.6593533
ENSMUSG00000047261.10,Gap43,protein_coding	0.07205825	0.7817888
ENSMUSG00000072487.12,Mroh5,protein_coding	0.07205066	0.8878734
ENSMUSG00000051855.16,Mest,protein_coding	0.07203562	0.7392992
ENSMUSG00000039621.14,Prex1,protein_coding	0.07200425	0.5648654
ENSMUSG00000023959.11,Clic5,protein_coding	0.0719369	0.7116702
ENSMUSG00000107472.2,Gm44265,lncRNA	0.0719016	0.8899165
ENSMUSG00000045275.18,Lca5l,protein_coding	0.0718725	0.8152906
ENSMUSG00000039542.17,Ncam1,protein_coding	0.07184381	0.6511559
ENSMUSG00000041842.16,Fhdc1,protein_coding	0.07183073	0.8119902
ENSMUSG00000002957.12,Ap2a2,protein_coding	0.07179244	0.6580915
ENSMUSG00000038628.9,Polr3k,protein_coding	0.07175044	0.6530459
ENSMUSG00000023572.17,Ccndbp1,protein_coding	0.07174425	0.6126323
ENSMUSG00000019146.3,Cacng2,protein_coding	0.07173668	0.625983
ENSMUSG00000038954.15,Supt3,protein_coding	0.07173177	0.7105887
ENSMUSG00000044788.11,Fads6,protein_coding	0.07168999	0.7315343
ENSMUSG00000009406.14,Elk1,protein_coding	0.07167553	0.6358605
ENSMUSG00000120994.2,Gm56548,lncRNA	0.07165884	0.8393485
ENSMUSG00000019188.17,H13,protein_coding	0.07165631	0.5606292
ENSMUSG00000057230.15,Aak1,protein_coding	0.07164056	0.6082396
ENSMUSG00000102982.2,Gm38319,TEC	0.07162575	0.8592038
ENSMUSG00000030411.17,Nova2,protein_coding	0.07159925	0.7564297
ENSMUSG00000039715.9,Dync2i2,protein_coding	0.07159458	0.7836674
ENSMUSG00000036036.16,Zfp57,protein_coding	0.07157477	0.8300246
ENSMUSG00000030110.14,Ret,protein_coding	0.07156576	0.8463164
ENSMUSG00000032536.13,Trak1,protein_coding	0.07156403	0.6308744
ENSMUSG00000033111.17,Cep15,protein_coding	0.07153977	0.6721055
ENSMUSG00000003345.17,Csnk1g2,protein_coding	0.07148294	0.6386487
ENSMUSG00000039860.20,Srrm3,protein_coding	0.07145024	0.7447243
ENSMUSG00000102623.2,Gm37673,TEC	0.07143633	0.823662
ENSMUSG00000096221.5,1500002C15Rik,lncRNA	0.0714269	0.7158815
ENSMUSG00000044715.8,Gskip,protein_coding	0.0714252	0.5367625
ENSMUSG00000109362.2,Gm44562,TEC	0.07142212	0.8804748
ENSMUSG00000028136.16,Snx27,protein_coding	0.07141272	0.4979236
ENSMUSG00000110903.2,Gm47857,TEC	0.07141058	0.8590279
ENSMUSG00000049411.16,Tmem241,protein_coding	0.07136528	0.6804705
ENSMUSG00000027298.18,Tyro3,protein_coding	0.0713485	0.7523801
ENSMUSG00000021364.17,Elovl2,protein_coding	0.07133785	0.6926515
ENSMUSG00000096458.8,Moap1,protein_coding	0.07128226	0.8423889
ENSMUSG00000078139.4,AK157302,protein_coding	0.07125162	0.7990241
ENSMUSG00000004071.14,Cdip1,protein_coding	0.07123076	0.5392018
ENSMUSG00000044681.20,Cnpy1,protein_coding	0.07120791	0.924334
ENSMUSG00000025228.6,Actr1a,protein_coding	0.07120471	0.6596013
ENSMUSG00000020451.18,Limk2,protein_coding	0.07119958	0.6311127
ENSMUSG00000039680.11,Mrps6,protein_coding	0.07117552	0.7667501
ENSMUSG00000039637.16,Coro7,protein_coding	0.07112096	0.6535985
ENSMUSG00000064145.13,Arih2,protein_coding	0.07110569	0.4802703

ENSMUSG00000075227.7,Znhit2,protein_coding	0.07107693	0.7997681
ENSMUSG00000085875.5,Gm12905,lncRNA	0.07107296	0.7515141
ENSMUSG00000097048.10,1600020E01Rik,lncRNA	0.07107137	0.6296196
ENSMUSG00000026502.14,Desi2,protein_coding	0.07106484	0.6478224
ENSMUSG00000109585.2,Gm45358,TEC	0.07103517	0.8279764
ENSMUSG00000028430.15,Nol6,protein_coding	0.07103467	0.6922436
ENSMUSG00000032411.16,Tfdp2,protein_coding	0.07094505	0.481441
ENSMUSG00000006941.6,Eif1b,protein_coding	0.07094429	0.6664234
ENSMUSG00000103657.2,Gm37204,TEC	0.07093045	0.8003807
ENSMUSG00000011254.17,Thg1l,protein_coding	0.0708799	0.6921259
ENSMUSG00000038827.12,Abitram,protein_coding	0.07086389	0.608933
ENSMUSG00000040818.11,Dennd6a,protein_coding	0.07085351	0.6289125
ENSMUSG00000053062.17,Jam2,protein_coding	0.07084013	0.6293626
ENSMUSG00000046062.6,Ppp1r15b,protein_coding	0.07083626	0.7157042
ENSMUSG00000110411.2,Gm45457,TEC	0.07076955	0.8087713
ENSMUSG00000102570.2,Gm37968,TEC	0.07073246	0.8364685
ENSMUSG00000021120.12,Pigh,protein_coding	0.07071475	0.6844884
ENSMUSG00000024208.17,Uqcc2,protein_coding	0.07068373	0.766537
ENSMUSG00000000560.10,Gabra2,protein_coding	0.07067234	0.8034915
ENSMUSG00000024667.13,Tmem216,protein_coding	0.07059321	0.8424851
ENSMUSG00000026918.17,Brd3,protein_coding	0.07058279	0.46725
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ENSMUSG00000057359.8,Gm17494,lncRNA	0.07050869	0.7222872
ENSMUSG00000026839.18,Upp2,protein_coding	0.07043709	0.6554019
ENSMUSG00000052087.15,Rgs14,protein_coding	0.07043689	0.8313618
ENSMUSG00000022994.10,Adcy6,protein_coding	0.07038617	0.6725619
ENSMUSG00000103984.2,Gm37447,TEC	0.07033665	0.8061342
ENSMUSG00000120013.2,Gm57273,lncRNA	0.07032782	0.7695384
ENSMUSG00000029524.17,Sirt4,protein_coding	0.07029285	0.7306704
ENSMUSG00000051403.10,Ppp1r37,protein_coding	0.07027776	0.7155187
ENSMUSG00000120399.2,Gm56949,lncRNA	0.07026413	0.8425203
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ENSMUSG00000026991.21,Pkp4,protein_coding	0.07019128	0.5415665
ENSMUSG00000034898.18,Filip1,protein_coding	0.07018628	0.8542633
ENSMUSG00000027829.16,Ccnl1,protein_coding	0.07018208	0.7945799
ENSMUSG00000004568.14,Arhgef18,protein_coding	0.07017485	0.6482017
ENSMUSG00000091537.3,Tma7,protein_coding	0.07017183	0.7002737
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ENSMUSG00000016262.15,Sertad4,protein_coding	0.07015885	0.7914216
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ENSMUSG00000030226.13,Lmo3,protein_coding	0.07010166	0.8450766
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ENSMUSG00000106341.2,Gm43330,lncRNA	0.07006049	0.8134565
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ENSMUSG00000036989.17,Trim3,protein_coding	0.06998075	0.6671345
ENSMUSG00000106648.2,Gm43176,TEC	0.06992951	0.8200347
ENSMUSG00000120709.2,Gm56535,lncRNA	0.06991448	0.8221231
ENSMUSG00000025078.10,Nhlrc2,protein_coding	0.0699031	0.6449106
ENSMUSG00000031134.17,Rbmx,protein_coding	0.06989487	0.6025151
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ENSMUSG00000021823.11,Vcl,protein_coding	0.06977432	0.4976709

ENSMUSG00000021287.13,Xrcc3,protein_coding	0.06974775	0.7810134
ENSMUSG00000037486.19,Asxl2,protein_coding	0.06972497	0.6948173
ENSMUSG00000120995.2,Gm51425,lncRNA	0.06972043	0.8995175
ENSMUSG00000034868.10,Myl12b,protein_coding	0.06971184	0.7037625
ENSMUSG00000036552.20,Ermard,protein_coding	0.06966458	0.7927757
ENSMUSG00000003824.13,Syce2,protein_coding	0.06959066	0.8814558
ENSMUSG00000050855.17,Zfp940,protein_coding	0.06957187	0.712996
ENSMUSG00000048796.8,Cyb561d1,protein_coding	0.06956373	0.6338155
ENSMUSG00000032011.6,Thy1,protein_coding	0.06952241	0.7891491
ENSMUSG00000039826.14,Trub2,protein_coding	0.06951951	0.5737413
ENSMUSG00000027575.20,Arfgap1,protein_coding	0.06950431	0.6086664
ENSMUSG00000046658.17,Zfp316,protein_coding	0.06947741	0.6743338
ENSMUSG00000096847.3,Tmem151b,protein_coding	0.06946659	0.6821608
ENSMUSG00000030701.18,Plekhb1,protein_coding	0.06944258	0.6695144
ENSMUSG00000029577.14,Ube3b,protein_coding	0.06942548	0.6210159
ENSMUSG00000087211.10,Lhx1os,lncRNA	0.0693602	0.8790469
ENSMUSG00000113065.2,Gm48870,TEC	0.06932124	0.7883869
ENSMUSG00000034210.15,Efcab14,protein_coding	0.06931394	0.564772
ENSMUSG00000121345.2,2610005L07Rik,lncRNA	0.06930489	0.7577152
ENSMUSG00000005621.12,Zfp592,protein_coding	0.06929644	0.6047842
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ENSMUSG00000031446.15,Cul4a,protein_coding	0.06922047	0.5178683
ENSMUSG00000045160.15,Bola3,protein_coding	0.06918268	0.709088
ENSMUSG00000033948.4,Zswim5,protein_coding	0.06917175	0.6430303
ENSMUSG00000048930.13,Tada3,protein_coding	0.06916239	0.6918496
ENSMUSG00000001435.16,Col18a1,protein_coding	0.06904046	0.8470714
ENSMUSG00000021268.20,Meg3,lncRNA	0.06901838	0.7858592
ENSMUSG00000020134.14,Peli1,protein_coding	0.06901798	0.6067308
ENSMUSG00000031149.8,Praf2,protein_coding	0.06899739	0.7270122
ENSMUSG00000029016.14,Clcn6,protein_coding	0.06897868	0.6975908
ENSMUSG00000127844.1,ENSMUSG00000127844,lncRNA	0.0689719	0.8563416
ENSMUSG00000022679.14,Mpv17l,protein_coding	0.06896768	0.6930517
ENSMUSG00000105762.2,Gm43605,TEC	0.06895694	0.8389075
ENSMUSG00000024524.18,Gnal,protein_coding	0.06895296	0.8041276
ENSMUSG00000033918.17,Parl,protein_coding	0.06889795	0.688261
ENSMUSG00000102748.2,Pcdhgb2,protein_coding	0.06888926	0.7608942
ENSMUSG00000021322.9,Aoah,protein_coding	0.06888104	0.9527762
ENSMUSG00000039952.16,Dag1,protein_coding	0.06887347	0.5460185
ENSMUSG00000029148.16,Nrbp1,protein_coding	0.06886982	0.6306785
ENSMUSG00000029234.14,Tmem165,protein_coding	0.06885862	0.7243138
ENSMUSG00000068732.6,Tmem167b,protein_coding	0.06885565	0.5727131
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ENSMUSG00000022055.8,Nefl,protein_coding	0.06879672	0.7601263
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ENSMUSG00000027428.10,Rbbp9,protein_coding	0.06878647	0.693924
ENSMUSG00000039662.17,Icmt,protein_coding	0.06875021	0.7532328
ENSMUSG00000079557.12,Marchf2,protein_coding	0.06869687	0.6109284
ENSMUSG00000079677.3,Fdx2,protein_coding	0.06867506	0.7796101
ENSMUSG00000035754.9,Wdr18,protein_coding	0.0686484	0.7025004
ENSMUSG00000022416.16,Cacna1i,protein_coding	0.06864812	0.7401047
ENSMUSG00000000823.17,Zfp512b,protein_coding	0.06864252	0.6679049
ENSMUSG00000032382.15,Snx1,protein_coding	0.06858745	0.6206442

ENSMUSG00000032036.16,Kirrel3,protein_coding	0.06857189	0.7196674
ENSMUSG00000077274.3,Gm22786,snoRNA	0.06853164	0.8788584
ENSMUSG00000032350.10,Gclc,protein_coding	0.06852937	0.5044378
ENSMUSG00000004565.16,Pnpla6,protein_coding	0.0685059	0.6136736
ENSMUSG00000083623.2,Gm7224,unprocessed_pseudogene	0.06849105	0.8473128
ENSMUSG00000030177.15,Ccdc77,protein_coding	0.06847986	0.7778422
ENSMUSG00000000374.9,Trappc10,protein_coding	0.06847499	0.4969099
ENSMUSG00000027663.14,Zmat3,protein_coding	0.0684685	0.5610287
ENSMUSG00000030276.20,Ttll3,protein_coding	0.06841067	0.7038018
ENSMUSG00000102939.2,Gm38111,TEC	0.06840021	0.8070729
ENSMUSG00000098439.2,Hm629797,lncRNA	0.06836664	0.867328
ENSMUSG00000071076.9,Jund,protein_coding	0.06832509	0.5663245
ENSMUSG00000027984.9,Hadh,protein_coding	0.06822707	0.7173176
ENSMUSG00000097617.5,Gm10687,lncRNA	0.06817865	0.8361415
ENSMUSG00000073910.11,Mob3b,protein_coding	0.06817193	0.6952416
ENSMUSG00000034761.17,Map4k5,protein_coding	0.06816972	0.6184698
ENSMUSG00000041073.11,Nacad,protein_coding	0.06816131	0.7284342
ENSMUSG00000027524.10,Edn3,protein_coding	0.06810887	0.8373987
ENSMUSG00000040321.4,Zfp770,protein_coding	0.06809763	0.7229533
ENSMUSG00000034156.17,Tspoap1,protein_coding	0.06808272	0.7518657
ENSMUSG00000068245.15,Phf11d,protein_coding	0.06808016	0.9308191
ENSMUSG00000003378.10,Grik5,protein_coding	0.06799539	0.7875965
ENSMUSG00000002031.14,Ift46,protein_coding	0.0679806	0.6337856
ENSMUSG00000018820.14,Zfyve27,protein_coding	0.06797951	0.5899754
ENSMUSG00000065687.3,Gm23734,snoRNA	0.06796106	0.8438652
ENSMUSG00000026609.16,Ush2a,protein_coding	0.06791317	0.8497189
ENSMUSG00000110710.2,C78859,lncRNA	0.06788275	0.819772
ENSMUSG00000121606.1,Akap17a,protein_coding	0.06787221	0.7336836
ENSMUSG00000063320.12,Uqcc6,protein_coding	0.06780797	0.8061492
ENSMUSG00000034341.18,Wbp2,protein_coding	0.06773752	0.6790673
ENSMUSG00000020473.14,Aebp1,protein_coding	0.06772634	0.829518
ENSMUSG00000055065.8,Ddx17,protein_coding	0.06771166	0.5987243
ENSMUSG00000079480.4,Pin4,protein_coding	0.06766614	0.755963
ENSMUSG00000060860.9,Ube2s,protein_coding	0.06764994	0.7991508
ENSMUSG00000030279.16,C2cd5,protein_coding	0.06761948	0.6623671
ENSMUSG00000049686.16,Orai1,protein_coding	0.0675786	0.7940782
ENSMUSG00000078908.11,Mon1b,protein_coding	0.06755597	0.5559209
ENSMUSG00000015202.14,Cnksr3,protein_coding	0.06753302	0.8715922
ENSMUSG00000078942.11,Naip6,protein_coding	0.06747395	0.937385
ENSMUSG00000096910.3,Zfp955b,protein_coding	0.06742273	0.6167122
ENSMUSG00000001910.6,Nacc1,protein_coding	0.06740663	0.6478156
ENSMUSG00000104378.2,Gm37510,TEC	0.0673997	0.7983227
ENSMUSG00000010392.9,Gosr1,protein_coding	0.06733393	0.5050603
ENSMUSG00000021431.17,Snrnp48,protein_coding	0.06729782	0.686309
ENSMUSG00000005625.16,Psmd4,protein_coding	0.06725135	0.7106181
ENSMUSG00000035566.8,Pcdh17,protein_coding	0.06724592	0.7675889
ENSMUSG00000025981.14,Coq10b,protein_coding	0.06715785	0.7435459
ENSMUSG00000041912.13,Tdrkh,protein_coding	0.06714063	0.6558723
ENSMUSG00000090936.4,Gm17705,lncRNA	0.06712708	0.86476
ENSMUSG00000067242.12,Lgi1,protein_coding	0.06708529	0.7380361
ENSMUSG00000034949.19,Zfr2,protein_coding	0.06707616	0.7699488
ENSMUSG00000041216.16,Clvs1,protein_coding	0.06704322	0.6641663

ENSMUSG00000026277.15,Stk25,protein_coding	0.06702223	0.6656137
ENSMUSG00000047213.15,Ythdf3,protein_coding	0.06701315	0.6967753
ENSMUSG00000034893.10,Cog3,protein_coding	0.06700169	0.534728
ENSMUSG00000100394.2,Gm28791,lncRNA	0.06698244	0.8632762
ENSMUSG00000114448.2,C630044B11Rik,TEC	0.06697915	0.769249
ENSMUSG00000024376.8,Epb41l4a,protein_coding	0.06696573	0.8213575
ENSMUSG00000031167.17,Rbm3,protein_coding	0.06696247	0.8345477
ENSMUSG00000019894.15,Slc6a15,protein_coding	0.06695054	0.6821298
ENSMUSG00000110442.2,Gm45804,TEC	0.06692772	0.7793975
ENSMUSG00000021578.18,Ccdc127,protein_coding	0.06689288	0.5263394
ENSMUSG00000084792.3,1700056N10Rik,lncRNA	0.06685581	0.8532372
ENSMUSG00000026556.17,Vangl2,protein_coding	0.06684002	0.6755006
ENSMUSG00000048827.13,Pkd1l3,protein_coding	0.06683111	0.9096405
ENSMUSG00000040653.7,Ppp1r14c,protein_coding	0.06682152	0.7219196
ENSMUSG00000103558.2,Gm38220,TEC	0.06667743	0.8329301
ENSMUSG00000042596.8,Tfap2d,protein_coding	0.06665572	0.9520127
ENSMUSG00000033294.12,Noc4l,protein_coding	0.0666509	0.7860713
ENSMUSG00000056201.10,Cfl1,protein_coding	0.0666447	0.6711959
ENSMUSG00000024914.17,Drap1,protein_coding	0.066558	0.7084963
ENSMUSG00000029413.15,Naaa,protein_coding	0.06653669	0.6797498
ENSMUSG00000032487.9,Ptgs2,protein_coding	0.06653208	0.8753036
ENSMUSG00000053358.3,Gm9905,TEC	0.06649636	0.8351561
ENSMUSG00000045790.11,Ccdc149,protein_coding	0.06646533	0.7448864
ENSMUSG00000107227.2,Gm42559,TEC	0.06644591	0.6938588
ENSMUSG00000052296.8,Ppp6r1,protein_coding	0.06641455	0.6140581
ENSMUSG00000029212.12,Gabrb1,protein_coding	0.06636885	0.729499
ENSMUSG00000118030.3,Gm50163,lncRNA	0.06634933	0.801957
ENSMUSG00000035227.8,Spcs2,protein_coding	0.06634708	0.7127673
ENSMUSG00000111422.3,1700027J07Rik,lncRNA	0.06633362	0.9756772
ENSMUSG00000078607.7,1810010H24Rik,protein_coding	0.0662911	0.8542468
ENSMUSG00000003573.16,Homer3,protein_coding	0.06627787	0.8782233
ENSMUSG00000073590.5,3222401L13Rik,lncRNA	0.06626935	0.843884
ENSMUSG00000037656.10,Slc20a2,protein_coding	0.06625333	0.6792013
ENSMUSG00000050751.16,Pgbd5,protein_coding	0.066164	0.7498333
ENSMUSG00000002006.13,Pdzd4,protein_coding	0.06614824	0.7591561
ENSMUSG00000113853.2,Gm47583,TEC	0.0661446	0.7934026
ENSMUSG00000027367.17,Stard7,protein_coding	0.06611977	0.5006045
ENSMUSG00000107576.2,Gm44093,TEC	0.06609	0.7550004
ENSMUSG00000036199.10,Ndufa13,protein_coding	0.06605733	0.7836913
ENSMUSG00000024556.5,Me2,protein_coding	0.06605106	0.6523551
ENSMUSG00000107454.2,Gm43875,TEC	0.0660422	0.8473073
ENSMUSG00000051853.11,Arf3,protein_coding	0.06602165	0.7842821
ENSMUSG00000036537.7,Rnf113a1,protein_coding	0.06600308	0.8345846
ENSMUSG00000056493.10,Foxk1,protein_coding	0.06599493	0.5423526
ENSMUSG00000044352.7,Sowaha,protein_coding	0.06595657	0.8446355
ENSMUSG00000030598.16,Fbxo17,protein_coding	0.06592732	0.8904282
ENSMUSG00000053838.15,Nudcd3,protein_coding	0.06590654	0.6437363
ENSMUSG00000058070.15,Eml1,protein_coding	0.06589364	0.597649
ENSMUSG00000111752.3,Gm38575,lncRNA	0.06582117	0.907296
ENSMUSG00000022472.17,Desi1,protein_coding	0.06581842	0.5971202
ENSMUSG00000107966.2,Gm44001,TEC	0.0658115	0.8179357
ENSMUSG00000001946.15,Esam,protein_coding	0.06580062	0.7652242

ENSMUSG00000029754.14,Dlx6,protein_coding	0.06579658	0.8966184
ENSMUSG00000040557.15,Mettl27,protein_coding	0.06577676	0.8101722
ENSMUSG00000061613.14,U2af1,protein_coding	0.06576686	0.6650291
ENSMUSG00000020376.18,Rnf130,protein_coding	0.06575931	0.6737857
ENSMUSG00000023909.5,Paqr4,protein_coding	0.06574385	0.7461585
ENSMUSG00000040857.16,Erf,protein_coding	0.06568567	0.7271195
ENSMUSG00000074800.5,Gm4149,processed_pseudogene	0.06567763	0.8395314
ENSMUSG00000055296.15,Tmem245,protein_coding	0.06566108	0.5973627
ENSMUSG00000036766.13,Dner,protein_coding	0.06565689	0.7642682
ENSMUSG00000061524.9,Zic2,protein_coding	0.06565376	0.8841562
ENSMUSG00000028062.16,Lamtor2,protein_coding	0.06560732	0.8068197
ENSMUSG00000033316.15,Galnt9,protein_coding	0.0655872	0.7553401
ENSMUSG00000003033.16,Ap1m1,protein_coding	0.06558207	0.6711781
ENSMUSG00000031818.13,Cox4i1,protein_coding	0.0655727	0.7397571
ENSMUSG00000091900.4,Gm4353,processed_pseudogene	0.06555691	0.8875709
ENSMUSG00000001105.16,Ift20,protein_coding	0.06555674	0.6903891
ENSMUSG00000052364.5,B630019K06Rik,protein_coding	0.06553799	0.7580473
ENSMUSG00000132744.1,ENSMUSG00000132744,lncRNA	0.06553185	0.9090059
ENSMUSG00000138276.1,ENSMUSG00000138276,lncRNA	0.06552441	0.8677378
ENSMUSG00000105584.2,Gm42588,TEC	0.06550529	0.8284758
ENSMUSG00000035969.16,Rusc2,protein_coding	0.06548299	0.7698527
ENSMUSG00000026854.17,Usp20,protein_coding	0.0654791	0.7458178
ENSMUSG00000041936.19,Agrn,protein_coding	0.06547187	0.7451928
ENSMUSG00000033565.20,Rbfox2,protein_coding	0.06547123	0.6936231
ENSMUSG00000058446.15,Znrf2,protein_coding	0.06545332	0.6533814
ENSMUSG00000031729.7,Ist1,protein_coding	0.06544113	0.5757812
ENSMUSG00000097736.10,9530059O14Rik,lncRNA	0.06542351	0.8617056
ENSMUSG00000031883.14,Car7,protein_coding	0.0654205	0.789208
ENSMUSG00000024790.9,Sac3d1,protein_coding	0.06538659	0.8381606
ENSMUSG00000034648.10,Lrrn1,protein_coding	0.0653853	0.6256933
ENSMUSG00000121438.2,ENSMUSG00000121438,lncRNA	0.06534765	0.7950565
ENSMUSG00000087177.10,E130307A14Rik,lncRNA	0.06534462	0.7055654
ENSMUSG00000052544.10,St6galnac3,protein_coding	0.06533887	0.7488539
ENSMUSG00000073437.13,D330041H03Rik,lncRNA	0.0653201	0.712029
ENSMUSG00000104903.2,Gm43707,lncRNA	0.06531248	0.8329707
ENSMUSG00000097233.2,Gm17552,lncRNA	0.06529413	0.8988604
ENSMUSG00000074591.9,Ankub1,protein_coding	0.06524755	0.7776342
ENSMUSG00000035953.15,Pip4p1,protein_coding	0.06517863	0.5962229
ENSMUSG00000022551.9,Cyc1,protein_coding	0.06515683	0.6933816
ENSMUSG00000121001.2,Gm57461,lncRNA	0.06515134	0.6816108
ENSMUSG00000028656.15,Cap1,protein_coding	0.06514564	0.6899662
ENSMUSG00000006299.14,Aamp,protein_coding	0.0651269	0.7145393
ENSMUSG00000031805.18,Jak3,protein_coding	0.06512261	0.8999285
ENSMUSG00000038831.17,Ralgps1,protein_coding	0.06512008	0.6396476
ENSMUSG00000020707.7,Rnf135,protein_coding	0.06506853	0.8107942
ENSMUSG00000078676.10,Casc3,protein_coding	0.06506243	0.5302789
ENSMUSG00000092341.7,Malat1,lncRNA	0.06496334	0.8043286
ENSMUSG00000036885.15,Arhgef26,protein_coding	0.06495094	0.6436149
ENSMUSG00000045464.8,2810002D19Rik,lncRNA	0.0649495	0.8348066
ENSMUSG00000039194.17,Rlbp1,protein_coding	0.06493722	0.8257315
ENSMUSG00000023104.10,Rfc2,protein_coding	0.06491059	0.7693781
ENSMUSG00000028653.17,Trit1,protein_coding	0.06486992	0.7679451

ENSMUSG00000034206.16,Polq,protein_coding	0.06486013	0.9176282
ENSMUSG00000019863.8,Qrsl1,protein_coding	0.06483576	0.7063443
ENSMUSG00000064432.3,Gm25587,snRNA	0.06481793	0.9404785
ENSMUSG00000023999.15,Kif6,protein_coding	0.0647934	0.8740815
ENSMUSG00000022658.11,Tagln3,protein_coding	0.06477639	0.7827151
ENSMUSG00000047284.15,Neurl4,protein_coding	0.06475246	0.6781177
ENSMUSG00000108808.2,Gm45204,TEC	0.06474912	0.8230146
ENSMUSG00000002032.18,Tmem25,protein_coding	0.06474761	0.6529507
ENSMUSG00000038845.12,Phb1,protein_coding	0.06472707	0.7696316
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ENSMUSG00000103785.4,Gm35025,lncRNA	0.06466178	0.8552621
ENSMUSG00000001270.10,Ckb,protein_coding	0.06465256	0.7185665
ENSMUSG00000042476.13,Abcb4,protein_coding	0.06464708	0.8518704
ENSMUSG00000048234.14,Rnf149,protein_coding	0.06456888	0.7346742
ENSMUSG00000026917.16,Wdr5,protein_coding	0.06455137	0.6903576
ENSMUSG00000002633.5,Shh,protein_coding	0.06454642	0.8482161
ENSMUSG00000022623.18,Shank3,protein_coding	0.06453274	0.779269
ENSMUSG00000021189.12,Atxn3,protein_coding	0.06453048	0.6505713
ENSMUSG00000060716.8,Plekhh1,protein_coding	0.06442514	0.697549
ENSMUSG00000008690.16,Ncaph2,protein_coding	0.06439247	0.6681608
ENSMUSG00000045322.11,Tlr9,protein_coding	0.06433377	0.9725205
ENSMUSG00000028706.15,Nsun4,protein_coding	0.06430288	0.7240201
ENSMUSG00000039357.3,Fut11,protein_coding	0.06429578	0.7124495
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ENSMUSG00000029401.9,Rilpl2,protein_coding	0.06426065	0.7115797
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ENSMUSG00000024654.9,Asrgl1,protein_coding	0.06423817	0.6477168
ENSMUSG00000040234.17,Tm7sf3,protein_coding	0.06421586	0.6292765
ENSMUSG00000038984.5,Tspyl5,protein_coding	0.06420475	0.7549414
ENSMUSG00000021242.10,Npc2,protein_coding	0.06418761	0.8108593
ENSMUSG00000044145.3,1810024B03Rik,protein_coding	0.06417866	0.876657
ENSMUSG00000058922.8,Gm10052,processed_pseudogene	0.06417032	0.8603249
ENSMUSG00000022801.14,Lrch3,protein_coding	0.06416855	0.6143248
ENSMUSG00000029681.13,Bcl7b,protein_coding	0.06412828	0.7062597
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ENSMUSG00000049755.15,Zfp672,protein_coding	0.06404145	0.6418231
ENSMUSG00000091803.8,Cox16,protein_coding	0.06403804	0.7713206
ENSMUSG00000134911.1,ENSMUSG00000134911,lncRNA	0.06401205	0.9355374
ENSMUSG00000134230.1,ENSMUSG00000134230,lncRNA	0.06398162	0.9339233
ENSMUSG00000107278.2,Gm42600,TEC	0.06395598	0.8649476
ENSMUSG00000057716.8,Tmem178b,protein_coding	0.0639308	0.7229633
ENSMUSG00000055202.12,Zfp811,protein_coding	0.06391902	0.7440215
ENSMUSG00000034853.17,Acot11,protein_coding	0.06391545	0.6582873
ENSMUSG00000091476.9,Catspere2,protein_coding	0.06389826	0.8650963
ENSMUSG00000073728.12,Tmem51os1,lncRNA	0.06389617	0.8874645
ENSMUSG00000086264.12,Gm15850,lncRNA	0.06386372	0.885423
ENSMUSG00000039176.18,Polg,protein_coding	0.06383419	0.5574928
ENSMUSG00000053134.14,Supt7l,protein_coding	0.0637323	0.6280795
ENSMUSG00000022544.15,Eef2kmt,protein_coding	0.06372272	0.839602
ENSMUSG00000004631.16,Sgce,protein_coding	0.06370266	0.6549787
ENSMUSG00000033373.17,Fntb,protein_coding	0.06368862	0.7124315
ENSMUSG00000105572.2,Gm43300,TEC	0.06365167	0.8406298

ENSMUSG00002076288.1,Snora34,snoRNA	0.06363705	0.8473822
ENSMUSG00000039313.15,Minar1,protein_coding	0.06363117	0.8563268
ENSMUSG00000020888.17,Dvl2,protein_coding	0.06359494	0.6666589
ENSMUSG00000048038.9,Ccdc187,protein_coding	0.06357578	0.8701387
ENSMUSG00000030374.16,Strn4,protein_coding	0.06354254	0.6715406
ENSMUSG00000002308.17,Cd320,protein_coding	0.06352417	0.7859094
ENSMUSG00000032966.15,Fkbp1a,protein_coding	0.06352088	0.7202272
ENSMUSG00000046020.14,Pofut1,protein_coding	0.06350588	0.5692332
ENSMUSG00000035203.17,Epn1,protein_coding	0.06344122	0.7028818
ENSMUSG00000000532.12,Acvr1b,protein_coding	0.06342525	0.7089761
ENSMUSG00000033319.6,Fem1c,protein_coding	0.06337376	0.7316709
ENSMUSG00000044864.17,Ankrd50,protein_coding	0.06336795	0.581589
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ENSMUSG00000039206.14,Daglb,protein_coding	0.06336691	0.5989181
ENSMUSG00000038671.16,Arfrp1,protein_coding	0.06332829	0.5845804
ENSMUSG00000014859.10,E2f4,protein_coding	0.06331719	0.7400826
ENSMUSG00000144212.1,ENSMUSG00000144212,lncRNA	0.0633072	0.813099
ENSMUSG00000032735.16,Ablim3,protein_coding	0.06330387	0.806766
ENSMUSG00000110282.2,B930086L07Rik,TEC	0.06328113	0.8488563
ENSMUSG00000027323.11,Rad51,protein_coding	0.0632414	0.9454784
ENSMUSG00000117351.3,Gm31615,lncRNA	0.06316897	0.9439865
ENSMUSG00000064370.1,mt-Cytb,protein_coding	0.06314969	0.8341521
ENSMUSG00000031839.8,Hsbp1,protein_coding	0.06314257	0.7173291
ENSMUSG00000030629.16,Zfand6,protein_coding	0.06308768	0.8291032
ENSMUSG00000029166.15,Mapre3,protein_coding	0.06307561	0.7516034
ENSMUSG00000083951.2,Gm13786,processed_pseudogene	0.0630624	0.8675952
ENSMUSG00000033350.8,Chst2,protein_coding	0.06299569	0.6397481
ENSMUSG00000054619.8,Tmt1a,protein_coding	0.06299194	0.6366834
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ENSMUSG00000003575.14,Crtc1,protein_coding	0.06290071	0.7414755
ENSMUSG00000079435.10,Rpl36a,protein_coding	0.06289677	0.8557904
ENSMUSG00000007039.13,Ddah2,protein_coding	0.06289116	0.7689889
ENSMUSG00000038370.7,Pcp4l1,protein_coding	0.0628467	0.8111155
ENSMUSG00000009035.16,Tmem184b,protein_coding	0.06282315	0.7277276
ENSMUSG00000078747.10,Gm20878,protein_coding	0.06280408	0.8552051
ENSMUSG00000031284.17,Pak3,protein_coding	0.06277218	0.7816005
ENSMUSG00000109317.2,Gm45041,TEC	0.06269648	0.8396387
ENSMUSG00000027618.18,Nfs1,protein_coding	0.06267321	0.6153772
ENSMUSG00000035725.14,Prkx,protein_coding	0.0626536	0.6125665
ENSMUSG00000042408.14,Zmym6,protein_coding	0.06265337	0.6686529
ENSMUSG00000058440.15,Nrf1,protein_coding	0.06264584	0.7195973
ENSMUSG00000106296.2,4632404M16Rik,lncRNA	0.06264497	0.8629209
ENSMUSG00000020277.11,Pfkl,protein_coding	0.06257362	0.7564901
ENSMUSG00000069495.13,Epc2,protein_coding	0.06255198	0.6354168
ENSMUSG00000005262.14,Ufd1,protein_coding	0.06252496	0.6052934
ENSMUSG00000022265.8,Ank,protein_coding	0.06248237	0.6535954
ENSMUSG00000015790.17,Surf1,protein_coding	0.06245619	0.7231761
ENSMUSG00000072893.14,4933439C10Rik,lncRNA	0.0624061	0.7408307
ENSMUSG00000025422.11,Agap2,protein_coding	0.06239895	0.8309444
ENSMUSG00000097789.3,Ctxnd1,protein_coding	0.06237867	0.7601477
ENSMUSG00000062591.6,Tubb4a,protein_coding	0.06236123	0.7131658
ENSMUSG00000034055.17,Phka1,protein_coding	0.06235311	0.662753

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ENSMUSG00000030652.12,Coq7,protein_coding	0.06232893	0.7186059
ENSMUSG00000105677.2,Gm43328,lncRNA	0.06232452	0.8550456
ENSMUSG00000103163.2,Gm38146,TEC	0.06232439	0.8312572
ENSMUSG00000015149.15,Sirt2,protein_coding	0.06229645	0.7032
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ENSMUSG00000018909.16,Arrb1,protein_coding	0.06222564	0.7150264
ENSMUSG00000084106.5,Gm6136,processed_pseudogene	0.062213	0.8907835
ENSMUSG00000116740.2,Gm49659,TEC	0.06218977	0.8754934
ENSMUSG00000042185.15,Nfrkb,protein_coding	0.06217575	0.5968265
ENSMUSG00000051934.6,Spats2,protein_coding	0.06216455	0.6717339
ENSMUSG00000104344.2,Gm38077,TEC	0.06214131	0.7955331
ENSMUSG00000029126.8,Nsg1,protein_coding	0.0621105	0.6931536
ENSMUSG00000020496.11,Rnf187,protein_coding	0.06210335	0.7415791
ENSMUSG00000005949.10,Ctns,protein_coding	0.06208961	0.6181378
ENSMUSG00000113922.2,Gm48887,TEC	0.06206718	0.8318752
ENSMUSG00000047466.11,Ark2n,protein_coding	0.06204506	0.6710448
ENSMUSG00000052914.5,Cyp2j6,protein_coding	0.06203154	0.6642026
ENSMUSG00000109896.3,Gm31409,lncRNA	0.06202083	0.9272137
ENSMUSG00000117924.2,Tmem223,protein_coding	0.0619754	0.7811157
ENSMUSG00000040410.15,Fbxl4,protein_coding	0.06190231	0.7041497
ENSMUSG00000005417.18,Mprip,protein_coding	0.06189952	0.6526852
ENSMUSG00000079045.6,Prox1os,lncRNA	0.06189672	0.8799784
ENSMUSG00000130855.1,ENSMUSG00000130855,lncRNA	0.06189068	0.9393089
ENSMUSG00000036390.9,Gadd45a,protein_coding	0.0618474	0.7795274
ENSMUSG00000007021.6,Syngr3,protein_coding	0.06182088	0.829506
ENSMUSG00000063952.17,Brpf3,protein_coding	0.06181997	0.6263586
ENSMUSG00000053907.11,Mat2a,protein_coding	0.06181408	0.6223969
ENSMUSG00000000753.16,Serpinf1,protein_coding	0.06173884	0.8290385
ENSMUSG00000076437.12,Selenoh,protein_coding	0.06172922	0.88045
ENSMUSG00000062590.14,Armc9,protein_coding	0.06172597	0.734053
ENSMUSG00000032366.16,Tpm1,protein_coding	0.06162587	0.637526
ENSMUSG00000045045.8,Lrfn4,protein_coding	0.06160357	0.7772125
ENSMUSG00000047227.6,Gm527,protein_coding	0.0615634	0.790349
ENSMUSG00000044702.14,Palb2,protein_coding	0.06155672	0.9127727
ENSMUSG00000059149.18,Mfsd4a,protein_coding	0.06144427	0.7049576
ENSMUSG00000031537.16,Ikbkb,protein_coding	0.06144305	0.6897082
ENSMUSG00000041688.17,Amot,protein_coding	0.06144236	0.6872144
ENSMUSG00000039016.6,Timm8b,protein_coding	0.06142491	0.7630386
ENSMUSG00000020261.16,Slc36a1,protein_coding	0.06140767	0.6800518
ENSMUSG00000005124.11,Ccn4,protein_coding	0.06140654	0.9185098
ENSMUSG00000049643.16,2310022A10Rik,protein_coding	0.06135187	0.750691
ENSMUSG00000058672.8,Tubb2a,protein_coding	0.06132977	0.8084451
ENSMUSG00000039157.13,Eeig1,protein_coding	0.06132331	0.6764459
ENSMUSG00000061132.14,Blnk,protein_coding	0.06131409	0.9367718
ENSMUSG00000074968.12,Ano3,protein_coding	0.06130238	0.8725901
ENSMUSG00000018481.10,Appbp2,protein_coding	0.0612851	0.5487333
ENSMUSG00000059901.13,Adamts14,protein_coding	0.06127158	0.9038877
ENSMUSG00000038241.17,Cep250,protein_coding	0.06124949	0.7220493
ENSMUSG00000117840.3,Gm50399,lncRNA	0.06121844	0.8916238
ENSMUSG00000018196.19,Glrx2,protein_coding	0.06116357	0.6404696
ENSMUSG00000040105.4,Plpp6,protein_coding	0.06115741	0.706443

ENSMUSG00000028979.18,Masp2,protein_coding	0.06111923	0.8410458
ENSMUSG00000111264.2,E030022I16Rik,TEC	0.0610948	0.8221839
ENSMUSG00000110068.2,Gm45294,TEC	0.0610879	0.7986957
ENSMUSG00000121583.1,Gm57852,protein_coding	0.06108287	0.7441051
ENSMUSG00000035314.11,Gdpd5,protein_coding	0.06106252	0.7538588
ENSMUSG00000113488.3,Gm47819,lncRNA	0.06101689	0.8935384
ENSMUSG00000127364.1,ENSMUSG00000127364,lncRNA	0.06101563	0.9002093
ENSMUSG00000056124.6,B4galt6,protein_coding	0.06101008	0.6845037
ENSMUSG00000022503.11,Nubp1,protein_coding	0.06098543	0.8325635
ENSMUSG00000005899.15,Smpd4,protein_coding	0.06098464	0.7098816
ENSMUSG00000021624.10,Cd180,protein_coding	0.06097411	0.9558237
ENSMUSG00000085929.4,Gm13421,lncRNA	0.06096062	0.8080776
ENSMUSG00000141473.1,ENSMUSG00000141473,lncRNA	0.06094451	0.9131924
ENSMUSG00000106244.2,Gm43046,TEC	0.06094439	0.8602316
ENSMUSG00000015112.16,Slc25a13,protein_coding	0.06094106	0.823461
ENSMUSG00000042198.13,Chchd7,protein_coding	0.06092462	0.7007377
ENSMUSG00000028538.13,St3gal3,protein_coding	0.06085351	0.7299615
ENSMUSG00000022199.13,Slc22a17,protein_coding	0.06078081	0.82084
ENSMUSG00000103569.2,Gm38067,TEC	0.06074644	0.8192934
ENSMUSG00000030269.15,Mtmr14,protein_coding	0.06073972	0.9197934
ENSMUSG00000036686.17,Cc2d1a,protein_coding	0.06072564	0.7267126
ENSMUSG00000026941.17,Mamdc4,protein_coding	0.06071675	0.9070615
ENSMUSG00000108474.2,Gm44895,TEC	0.06071343	0.8319302
ENSMUSG00000027581.13,Stmn3,protein_coding	0.06068699	0.7911707
ENSMUSG00000067925.5,Rtl8a,protein_coding	0.06066421	0.8247861
ENSMUSG00000023912.11,Slc25a27,protein_coding	0.06065382	0.666952
ENSMUSG00000028407.5,Smim27,protein_coding	0.06064085	0.9136827
ENSMUSG00000023827.9,Agpat4,protein_coding	0.06062517	0.7245402
ENSMUSG00000081534.4,Slc48a1,protein_coding	0.06049626	0.7132936
ENSMUSG00000034757.16,Tmub2,protein_coding	0.06046807	0.7253738
ENSMUSG00000035596.15,Mboat7,protein_coding	0.06045482	0.7352337
ENSMUSG00000053929.19,Zftraf1,protein_coding	0.06043898	0.6541351
ENSMUSG00000109812.2,Gm45640,TEC	0.0604312	0.8126263
ENSMUSG00000053830.5,Gm9923,processed_pseudogene	0.06042719	0.8936724
ENSMUSG00000031659.14,Adcy7,protein_coding	0.06042543	0.8953325
ENSMUSG00000027651.17,Rprd1b,protein_coding	0.06041265	0.6228239
ENSMUSG00000025551.14,Fgf14,protein_coding	0.06039055	0.7499191
ENSMUSG00000000594.8,Gm2a,protein_coding	0.060377	0.6853702
ENSMUSG00000114653.2,Gm18398,processed_pseudogene	0.06034692	0.8651334
ENSMUSG00000024807.19,Syvn1,protein_coding	0.0602889	0.8133899
ENSMUSG00000121808.2,ENSMUSG00000121808,lncRNA	0.06025377	0.7273541
ENSMUSG00000052488.8,Cherp,protein_coding	0.06025005	0.707116
ENSMUSG00000038526.15,Car14,protein_coding	0.06024523	0.7602
ENSMUSG00000099083.8,Atf7,protein_coding	0.06024292	0.7089004
ENSMUSG00000063568.12,Jazf1,protein_coding	0.06024229	0.8040552
ENSMUSG00000029030.15,Tprg1l,protein_coding	0.0602324	0.5937514
ENSMUSG00000059361.7,Nrsn2,protein_coding	0.06023189	0.8294694
ENSMUSG00000043991.6,Pura,protein_coding	0.06022558	0.685758
ENSMUSG00000025969.16,Nrp2,protein_coding	0.06019451	0.7435399
ENSMUSG00000056972.7,Magel2,protein_coding	0.060111	0.9158366
ENSMUSG00000040699.14,Limd2,protein_coding	0.06002007	0.7549197
ENSMUSG00000020886.18,Dlg4,protein_coding	0.0599846	0.7946125

ENSMUSG00000026848.15,Tor1b,protein_coding	0.05993702	0.6215134
ENSMUSG00000041571.11,Selenow,protein_coding	0.05992572	0.7937693
ENSMUSG00000042744.17,Hectd4,protein_coding	0.05992156	0.6972849
ENSMUSG00000022556.12,Hsf1,protein_coding	0.05989549	0.62728
ENSMUSG00000027569.16,Mrgbp,protein_coding	0.05989332	0.6945707
ENSMUSG00000099954.2,Gm28112,lncRNA	0.05988163	0.8900323
ENSMUSG00000078517.14,Emc1,protein_coding	0.05987343	0.6621291
ENSMUSG00000016940.19,Kctd2,protein_coding	0.05984579	0.7254819
ENSMUSG00000038146.9,Notch3,protein_coding	0.05982754	0.7687437
ENSMUSG00000060279.16,Ap2a1,protein_coding	0.05982212	0.787108
ENSMUSG00000045348.17,Nyap1,protein_coding	0.05976934	0.7989503
ENSMUSG00000047842.8,Diras2,protein_coding	0.05972448	0.7711355
ENSMUSG00000021182.17,Ccdc88c,protein_coding	0.05969773	0.7288456
ENSMUSG00000004892.14,Bcan,protein_coding	0.05969614	0.7659246
ENSMUSG00000002808.8,Epdr1,protein_coding	0.05969505	0.714797
ENSMUSG00000036529.18,Sbf1,protein_coding	0.05968819	0.684194
ENSMUSG00000107194.3,Gm43173,TEC	0.0596492	0.9056982
ENSMUSG00000053091.17,Lins1,protein_coding	0.05964162	0.7117925
ENSMUSG00000107796.2,Gm44068,TEC	0.05963543	0.8829372
ENSMUSG00000060212.14,Pcnx2,protein_coding	0.05962577	0.7579949
ENSMUSG00000026787.4,Gad2,protein_coding	0.05960444	0.7296839
ENSMUSG00000009681.11,Bcr,protein_coding	0.05959687	0.7826612
ENSMUSG00000045980.14,Tmem104,protein_coding	0.05958399	0.713694
ENSMUSG00000030689.16,Ino80e,protein_coding	0.05955431	0.754622
ENSMUSG00000021461.18,Fancc,protein_coding	0.05952929	0.8016513
ENSMUSG00000126408.1,ENSMUSG00000126408,lncRNA	0.05949945	0.8976221
ENSMUSG00000103037.2,Pcdhgb1,protein_coding	0.05949752	0.7301379
ENSMUSG00000086429.12,Gt(ROSA)26Sor,lncRNA	0.05948667	0.8621447
ENSMUSG00000013033.17,Adgrl1,protein_coding	0.05947479	0.7763673
ENSMUSG00000022048.10,Dpysl2,protein_coding	0.05946701	0.7343232
ENSMUSG00000106665.2,Gm43389,TEC	0.05945346	0.7796316
ENSMUSG00000070972.14,Dnajc25,protein_coding	0.05945082	0.7787762
ENSMUSG00000041841.9,Rpl37,protein_coding	0.05940748	0.8342966
ENSMUSG00000040249.16,Lrp1,protein_coding	0.05939207	0.7115135
ENSMUSG00000047368.5,Abhd17b,protein_coding	0.05936803	0.8569326
ENSMUSG00000037712.18,Fermt2,protein_coding	0.05934786	0.678949
ENSMUSG00000031788.15,Kifc3,protein_coding	0.05929981	0.8051847
ENSMUSG00000107134.2,Gm42528,TEC	0.05923962	0.86351
ENSMUSG00000020331.11,Hcn2,protein_coding	0.05920799	0.7328763
ENSMUSG00000068706.4,Gm10250,processed_pseudogene	0.0591001	0.892195
ENSMUSG00000022066.17,Entpd4b,protein_coding	0.05906226	0.6529801
ENSMUSG00000021819.12,Zswim8,protein_coding	0.05905015	0.709051
ENSMUSG00000006205.14,Htra1,protein_coding	0.0590058	0.7469949
ENSMUSG00000046432.13,Bex3,protein_coding	0.05900498	0.8231692
ENSMUSG00000030577.15,Cd22,protein_coding	0.05898499	0.9899383
ENSMUSG00000051154.13,Commd3,protein_coding	0.05897634	0.7268959
ENSMUSG00000136315.1,ENSMUSG00000136315,lncRNA	0.05895832	0.9071749
ENSMUSG00000025608.10,Podxl,protein_coding	0.05894413	0.7021214
ENSMUSG00000038828.14,Tmem214,protein_coding	0.05894396	0.5961051
ENSMUSG00000085779.3,Atcayos,lncRNA	0.05892361	0.9051531
ENSMUSG00000063052.10,Lrrc40,protein_coding	0.05889361	0.754455
ENSMUSG00000020612.17,Prkar1a,protein_coding	0.05888588	0.660186

ENSMUSG00000049555.11,Tmie,protein_coding	0.05885031	0.8773609
ENSMUSG00000030208.16,Emp1,protein_coding	0.05882674	0.9042866
ENSMUSG00000111425.2,Gm47324,processed_pseudogene	0.05879952	0.9294801
ENSMUSG00000039640.8,Mrpl12,protein_coding	0.05877743	0.7521161
ENSMUSG00000020163.13,Uqcr11,protein_coding	0.05874751	0.8129872
ENSMUSG00000024277.15,Mapre2,protein_coding	0.05871941	0.6276227
ENSMUSG00000106673.2,Gm43374,TEC	0.0587119	0.8669479
ENSMUSG00000057193.9,Slc44a2,protein_coding	0.05871179	0.7118602
ENSMUSG00000069806.6,Cacng7,protein_coding	0.05870332	0.7492945
ENSMUSG00000075705.14,Msrb1,protein_coding	0.05869909	0.8091768
ENSMUSG00000045374.19,Wdr81,protein_coding	0.05869489	0.7285381
ENSMUSG00000129662.1,ENSMUSG00000129662,lncRNA	0.058667	0.8883031
ENSMUSG00000027708.15,Dcun1d1,protein_coding	0.05862728	0.6801181
ENSMUSG00000063171.7,Rps4l,protein_coding	0.0586243	0.869321
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ENSMUSG00000028470.11,Hint2,protein_coding	0.05861004	0.8143811
ENSMUSG00000018433.15,Nol11,protein_coding	0.05854698	0.7326215
ENSMUSG00000105985.2,Gm42993,TEC	0.05853284	0.8488811
ENSMUSG00000027824.6,Vmn2r1,protein_coding	0.05852186	0.9266365
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ENSMUSG00000061897.6,Gm14292,transcribed_processed_pseudogene	0.05848044	0.8294203
ENSMUSG00000038175.11,Mylip,protein_coding	0.05840074	0.6966776
ENSMUSG00000005469.11,Prkaca,protein_coding	0.058381	0.7917343
ENSMUSG00000000958.11,Slc7a7,protein_coding	0.05833645	0.974547
ENSMUSG00000002767.14,Mrpl2,protein_coding	0.05833513	0.8183235
ENSMUSG00000041757.18,Plekha6,protein_coding	0.05833429	0.7334077
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ENSMUSG00000020280.13,Pus10,protein_coding	0.05828584	0.8270482
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ENSMUSG00000028757.5,Ddost,protein_coding	0.05814944	0.7313253
ENSMUSG00000108780.2,5430434F05Rik,TEC	0.05797479	0.7820866
ENSMUSG00000029486.15,Mrpl1,protein_coding	0.05794796	0.7487587
ENSMUSG00000048911.16,Rnf24,protein_coding	0.05794539	0.6777056
ENSMUSG00000004815.13,Dgkq,protein_coding	0.05793692	0.6862999
ENSMUSG00000004567.17,Mcoln1,protein_coding	0.05790717	0.6690198
ENSMUSG00000046844.7,Vat1l,protein_coding	0.05788735	0.8091801
ENSMUSG00000027243.9,Harbi1,protein_coding	0.05787756	0.8271963
ENSMUSG00000020918.15,Kat2a,protein_coding	0.05787143	0.7423901
ENSMUSG00000020121.16,Srgap1,protein_coding	0.05786133	0.7121847
ENSMUSG00000053536.8,Cstf2t,protein_coding	0.05776867	0.6856645
ENSMUSG00000037032.18,Apbb1,protein_coding	0.05771464	0.8055678
ENSMUSG00000030004.7,Nat8,protein_coding	0.05768656	0.8775692
ENSMUSG00000032135.16,Mcam,protein_coding	0.05767433	0.7439394
ENSMUSG00000020828.14,Pld2,protein_coding	0.05766873	0.7582366
ENSMUSG00000022848.9,Slc49a4,protein_coding	0.05766468	0.7164553
ENSMUSG00000026890.20,Lhx6,protein_coding	0.05764035	0.8699518
ENSMUSG00000029348.12,Asphd2,protein_coding	0.05763858	0.8031168
ENSMUSG00000042688.17,Mapk6,protein_coding	0.05763527	0.6898985
ENSMUSG00000001415.11,Smg5,protein_coding	0.05760332	0.698824

ENSMUSG00000038949.9,Cnst,protein_coding	0.05758196	0.7453262
ENSMUSG00000020668.11,Kif3c,protein_coding	0.05754731	0.7636411
ENSMUSG00000042406.9,Atf4,protein_coding	0.05752489	0.7412953
ENSMUSG00000143685.1,ENSMUSG00000143685,lncRNA	0.05749497	0.9195438
ENSMUSG00000025968.17,Ndufs1,protein_coding	0.05748638	0.57796
ENSMUSG00000029998.15,Pcyox1,protein_coding	0.05748214	0.7110312
ENSMUSG00000041712.8,Ubr7,protein_coding	0.05747036	0.7405521
ENSMUSG00000078867.11,Gm14418,protein_coding	0.05744989	0.8673964
ENSMUSG00000061615.3,H2ac4,protein_coding	0.05744488	0.9751605
ENSMUSG00000025937.7,Lactb2,protein_coding	0.05744288	0.6914604
ENSMUSG00000004933.18,Matk,protein_coding	0.05743859	0.848977
ENSMUSG00000103065.2,Gm20236,TEC	0.05743013	0.879342
ENSMUSG00000103720.2,Gm37094,TEC	0.05743013	0.879342
ENSMUSG00000035666.15,Gtf3c4,protein_coding	0.05739799	0.570198
ENSMUSG00000122568.1,ENSMUSG00000122568,lncRNA	0.05736809	0.9027521
ENSMUSG00000036860.15,Mrpl55,protein_coding	0.05731384	0.8113379
ENSMUSG00000031827.15,Cotl1,protein_coding	0.05730006	0.8191404
ENSMUSG00000115222.3,Gm49747,lncRNA	0.05729611	0.8120256
ENSMUSG00000025578.10,Cbx8,protein_coding	0.05729355	0.7532536
ENSMUSG00000033216.10,Eefsec,protein_coding	0.05718952	0.7548292
ENSMUSG00000102147.2,Gm38055,TEC	0.0571527	0.8816547
ENSMUSG00000027457.16,Snph,protein_coding	0.05715167	0.7648757
ENSMUSG00000085622.11,3110056K07Rik,lncRNA	0.05712564	0.7817515
ENSMUSG00000053411.17,Cbx7,protein_coding	0.05710963	0.7346908
ENSMUSG00000024793.15,Tnfrsf25,protein_coding	0.05708447	0.9248602
ENSMUSG00000103004.2,2900002M20Rik,TEC	0.05704039	0.8911771
ENSMUSG00000060402.9,Chst8,protein_coding	0.0570285	0.743564
ENSMUSG00000101860.5,Mindy4b-ps,protein_coding	0.05699604	0.9012505
ENSMUSG00000020422.15,Tns3,protein_coding	0.05699189	0.62489
ENSMUSG00000037049.10,Smpd1,protein_coding	0.05695409	0.7867384
ENSMUSG00000038552.15,Fndc4,protein_coding	0.0569356	0.7676741
ENSMUSG00000109379.2,Gm44550,TEC	0.05691056	0.7656376
ENSMUSG00000030814.18,Bcl7c,protein_coding	0.05690454	0.7528307
ENSMUSG00000026959.14,Grin1,protein_coding	0.05690018	0.7756077
ENSMUSG00000032846.13,Zswim6,protein_coding	0.05688872	0.7440055
ENSMUSG00000027168.22,Pax6,protein_coding	0.05685049	0.8862653
ENSMUSG00000017418.15,Arl5b,protein_coding	0.05685013	0.7362361
ENSMUSG00000001229.10,Dpp9,protein_coding	0.05684804	0.6548947
ENSMUSG00000046598.16,Bdh1,protein_coding	0.05683702	0.729649
ENSMUSG00000030056.9,Isy1,protein_coding	0.05682871	0.5260208
ENSMUSG00000036882.8,Arhgap33,protein_coding	0.05678724	0.8751325
ENSMUSG00000086596.3,Susd5,protein_coding	0.0567647	0.840741
ENSMUSG00000027854.13,Sike1,protein_coding	0.05676303	0.6876711
ENSMUSG00000107283.4,Mpv17,protein_coding	0.0566839	0.6653975
ENSMUSG00000118651.3,Gm17315,lncRNA	0.05666343	0.8949614
ENSMUSG00000061186.16,Sfmbt2,protein_coding	0.0566525	0.8351116
ENSMUSG00000042271.14,Nxt2,protein_coding	0.05661556	0.8069715
ENSMUSG00000014077.14,Chp1,protein_coding	0.05654179	0.7309279
ENSMUSG00000060594.7,Layn,protein_coding	0.05653715	0.8243609
ENSMUSG00000029598.13,Plbd2,protein_coding	0.05641721	0.7166037
ENSMUSG00000022253.18,Nadk2,protein_coding	0.05641644	0.7751261
ENSMUSG00000046378.12,Asphd1,protein_coding	0.05640008	0.805915

ENSMUSG00000039396.12,Neil3,protein_coding	0.05638982	0.9835454
ENSMUSG00000024650.6,Slc22a6,protein_coding	0.05636327	0.8493615
ENSMUSG00000104929.2,Gm42766,TEC	0.05631674	0.8501008
ENSMUSG00000056856.15,Jakmip3,protein_coding	0.05631505	0.6962303
ENSMUSG00000025722.17,Wdr73,protein_coding	0.05630335	0.7321344
ENSMUSG00000042763.10,Maneal,protein_coding	0.05630296	0.7372665
ENSMUSG00000084950.9,Gm5577,lncRNA	0.0562847	0.8616912
ENSMUSG00000001847.15,Rac1,protein_coding	0.05628082	0.6177028
ENSMUSG00000034818.18,Celf5,protein_coding	0.05624323	0.8644161
ENSMUSG00000021592.19,Arsk,protein_coding	0.05622669	0.8256456
ENSMUSG00000025470.12,Zfp511,protein_coding	0.05620722	0.7329411
ENSMUSG00000027544.17,Nfatc2,protein_coding	0.0562008	0.7991244
ENSMUSG00000048175.14,Asb8,protein_coding	0.05619119	0.6859749
ENSMUSG00000027001.11,Dusp19,protein_coding	0.05616504	0.746963
ENSMUSG00000022548.15,Apod,protein_coding	0.05614895	0.8781418
ENSMUSG00000056073.17,Grik2,protein_coding	0.05614267	0.7960352
ENSMUSG00000053483.16,Usp21,protein_coding	0.05613867	0.5984158
ENSMUSG00000030101.16,Sumf1,protein_coding	0.05611912	0.7308998
ENSMUSG00000025318.14,Jph3,protein_coding	0.05608971	0.7863396
ENSMUSG00000120353.2,Gm56492,lncRNA	0.05606809	0.7725599
ENSMUSG00000024937.16,Ehbp1l1,protein_coding	0.05600768	0.7276876
ENSMUSG00000021895.11,Arhgef3,protein_coding	0.05600656	0.747292
ENSMUSG00000107320.2,Gm42549,TEC	0.0560057	0.7786
ENSMUSG00000063260.3,Syt10,protein_coding	0.05597236	0.8511239
ENSMUSG00000111504.3,Gm48284,lncRNA	0.05592977	0.9210742
ENSMUSG00000036151.16,Tm6sf2,protein_coding	0.05592897	0.94607
ENSMUSG00000110342.2,Gm45263,TEC	0.05590552	0.881644
ENSMUSG00000029432.13,Nipsnap2,protein_coding	0.05589259	0.6719299
ENSMUSG00000070576.5,Mn1,protein_coding	0.05588281	0.8740537
ENSMUSG00000042523.13,Dnal1,protein_coding	0.05587341	0.7752857
ENSMUSG00000033417.17,Cacul1,protein_coding	0.05583001	0.6713987
ENSMUSG00000050711.8,Scg2,protein_coding	0.0558176	0.8349305
ENSMUSG00000020740.14,Gga3,protein_coding	0.05576317	0.6482696
ENSMUSG00000055761.15,Nkain3,protein_coding	0.05573245	0.8340226
ENSMUSG00000031976.15,Urb2,protein_coding	0.05572902	0.7734618
ENSMUSG00000026851.10,BC005624,protein_coding	0.05567682	0.7122189
ENSMUSG00000067071.9,Hes6,protein_coding	0.05562831	0.8603846
ENSMUSG00000059602.15,Syn3,protein_coding	0.05562211	0.7481759
ENSMUSG00000003420.9,Fcgrt,protein_coding	0.05559569	0.8189873
ENSMUSG00000054770.17,Kctd18,protein_coding	0.05553619	0.7067585
ENSMUSG00000033486.15,Catsper2,protein_coding	0.05546917	0.8524351
ENSMUSG00000109321.3,A330076H08Rik,lncRNA	0.05546809	0.8624463
ENSMUSG00000044465.20,Fhip1b,protein_coding	0.05545736	0.7081227
ENSMUSG00000026944.19,Abca2,protein_coding	0.05544545	0.7480687
ENSMUSG00000031065.15,Cdk16,protein_coding	0.05544413	0.7200473
ENSMUSG00000046449.16,Nexmif,protein_coding	0.05543807	0.8117623
ENSMUSG00000085555.12,2610035F20Rik,lncRNA	0.05541256	0.9058827
ENSMUSG00000106636.2,Gm43813,lncRNA	0.05540689	0.8387934
ENSMUSG00000074158.10,Zfp976,protein_coding	0.05540529	0.8418634
ENSMUSG00000108513.4,Gm30075,lncRNA	0.05540172	0.9038422
ENSMUSG00000033909.18,Usp36,protein_coding	0.05538499	0.6194808
ENSMUSG00000102324.2,Gm19721,TEC	0.05536249	0.847187

ENSMUSG00000007783.11,Cpt1c,protein_coding	0.05535659	0.7721385
ENSMUSG00000021615.14,Xrcc4,protein_coding	0.05535232	0.82607
ENSMUSG00000026596.14,Abl2,protein_coding	0.05535132	0.5414948
ENSMUSG00000026670.16,Uap1,protein_coding	0.05534505	0.74575
ENSMUSG00000066892.15,Fbxl12,protein_coding	0.05532903	0.748844
ENSMUSG00000106254.2,Gm42907,TEC	0.05532568	0.8543273
ENSMUSG00000004393.11,Ddx56,protein_coding	0.05530776	0.7396435
ENSMUSG00000036923.13,Stox1,protein_coding	0.05529338	0.8662276
ENSMUSG00000022550.19,Adck5,protein_coding	0.05523642	0.7995329
ENSMUSG00000111017.2,Gm48314,TEC	0.05519385	0.8082109
ENSMUSG00000022540.18,Rogdi,protein_coding	0.0551788	0.8043818
ENSMUSG00000047415.13,Gpr68,protein_coding	0.05517355	0.8301485
ENSMUSG00000028488.16,Sh3gl2,protein_coding	0.05516016	0.7323968
ENSMUSG00000024797.15,Vps51,protein_coding	0.05516015	0.7818109
ENSMUSG00000033066.18,Gas7,protein_coding	0.05513838	0.7741807
ENSMUSG00000038482.12,Tfdp1,protein_coding	0.05512162	0.7960436
ENSMUSG00000086308.4,G630016G05Rik,lncRNA	0.05509556	0.8935571
ENSMUSG00000004151.18,Etv1,protein_coding	0.05506366	0.8967908
ENSMUSG00000029120.11,Ppp2r2c,protein_coding	0.05506344	0.784396
ENSMUSG00000086896.3,Cyp4x1os,lncRNA	0.05505773	0.8815578
ENSMUSG00000032754.15,Slc8b1,protein_coding	0.05499974	0.8260054
ENSMUSG00000138269.1,ENSMUSG00000138269,lncRNA	0.05498579	0.8517359
ENSMUSG00000029461.18,Fam168a,protein_coding	0.0549527	0.6803965
ENSMUSG00000107178.2,Gm42531,lncRNA	0.05493732	0.8898542
ENSMUSG00000022280.10,Rnf19a,protein_coding	0.05492802	0.6148931
ENSMUSG00000079507.11,H2-Q1,protein_coding	0.05491072	0.9476353
ENSMUSG00000030319.9,Cand2,protein_coding	0.05490595	0.8571251
ENSMUSG00000032386.16,Trip4,protein_coding	0.05490423	0.6190992
ENSMUSG00000038518.16,Jarid2,protein_coding	0.0548784	0.7519413
ENSMUSG00000049339.17,Retreg2,protein_coding	0.0548649	0.7598075
ENSMUSG00000037553.15,Zdhhc18,protein_coding	0.05485988	0.7187529
ENSMUSG00000005615.16,Pcyt1a,protein_coding	0.05483642	0.6678052
ENSMUSG00000036057.12,Ptpn23,protein_coding	0.0548357	0.6645429
ENSMUSG00000002768.9,Mea1,protein_coding	0.05482757	0.8018272
ENSMUSG00000025964.16,Adam23,protein_coding	0.0548272	0.7242858
ENSMUSG00000045287.7,Rtn4rl1,protein_coding	0.05480035	0.7867916
ENSMUSG00000048537.17,Phldb1,protein_coding	0.05477051	0.8005764
ENSMUSG00000075000.12,Nrbf2,protein_coding	0.05473313	0.7021943
ENSMUSG00000005505.13,Kbtbd4,protein_coding	0.05471495	0.6899152
ENSMUSG00000042532.15,Golga7b,protein_coding	0.05469904	0.7828235
ENSMUSG00000021340.14,Gpld1,protein_coding	0.05469567	0.7195221
ENSMUSG00000069895.5,Atxn1l,protein_coding	0.05468691	0.5740755
ENSMUSG00000106832.2,Gm42632,TEC	0.05466818	0.8644404
ENSMUSG00000021576.7,Pdcd6,protein_coding	0.05466762	0.7312135
ENSMUSG00000041341.11,Atg2b,protein_coding	0.05466192	0.54201
ENSMUSG00000021901.11,Bap1,protein_coding	0.0546426	0.7411078
ENSMUSG00000040054.18,Baz2a,protein_coding	0.05462898	0.7067648
ENSMUSG00000039615.10,Stub1,protein_coding	0.0545805	0.7785338
ENSMUSG00000108033.2,Gm44284,lncRNA	0.05456513	0.9085873
ENSMUSG00000020044.14,Timp3,protein_coding	0.0545509	0.7345824
ENSMUSG00000041544.12,Disp3,protein_coding	0.05452053	0.7750239
ENSMUSG00000035242.17,Oaz1,protein_coding	0.05451726	0.7105783

ENSMUSG00000030602.14,Pak4,protein_coding	0.0545059	0.7652828
ENSMUSG00000014426.10,Map3k4,protein_coding	0.05450544	0.6795674
ENSMUSG00000029569.10,Tmem168,protein_coding	0.05441673	0.779952
ENSMUSG00000028063.16,Lmna,protein_coding	0.05441599	0.765419
ENSMUSG00000000673.10,Haao,protein_coding	0.05441576	0.9739784
ENSMUSG00000097994.2,Gm26982,lncRNA	0.05440017	0.7729586
ENSMUSG00000042404.17,Dennd4b,protein_coding	0.05440014	0.7161804
ENSMUSG00000086918.4,4930429F24Rik,lncRNA	0.054374	0.8723559
ENSMUSG00000021846.11,Peli2,protein_coding	0.0543723	0.7115932
ENSMUSG00000040721.10,Zfhx2,protein_coding	0.05434791	0.8311442
ENSMUSG00000104273.2,A530064N14Rik,TEC	0.05433399	0.8181448
ENSMUSG00000030291.13,Med21,protein_coding	0.05433059	0.7891849
ENSMUSG00000005161.16,Prdx2,protein_coding	0.05432834	0.7913973
ENSMUSG00000003464.14,Pex19,protein_coding	0.05421925	0.6730733
ENSMUSG00000043207.11,Zmpste24,protein_coding	0.05420996	0.8217418
ENSMUSG00000042686.6,Jph1,protein_coding	0.05419775	0.7983501
ENSMUSG00000004263.16,Atn1,protein_coding	0.05416089	0.7718738
ENSMUSG00000064341.1,mt-Nd1,protein_coding	0.05415603	0.8841351
ENSMUSG00000028744.16,Slc66a1,protein_coding	0.05414332	0.7698163
ENSMUSG00000031928.16,Mre11a,protein_coding	0.05414225	0.7001647
ENSMUSG00000056629.17,Fkbp2,protein_coding	0.05410566	0.8142082
ENSMUSG00000025925.15,Terf1,protein_coding	0.0540985	0.8280016
ENSMUSG00000024078.8,Ttc27,protein_coding	0.05409638	0.7616627
ENSMUSG00000038072.15,Galnt11,protein_coding	0.05406996	0.6508191
ENSMUSG00000027637.4,Rab5if,protein_coding	0.05403434	0.7275821
ENSMUSG00000030407.3,Qpctl,protein_coding	0.05400738	0.7387014
ENSMUSG00000021327.20,Zkscan3,protein_coding	0.05400162	0.7727633
ENSMUSG00000103706.2,6820402A03Rik,TEC	0.05398774	0.9369563
ENSMUSG00000085334.8,Gm12940,lncRNA	0.05398157	0.8396859
ENSMUSG00000015290.16,Ubl4a,protein_coding	0.05394186	0.7241154
ENSMUSG00000035397.9,Klf16,protein_coding	0.05390457	0.8389365
ENSMUSG00000066043.14,Phactr4,protein_coding	0.05386477	0.7874525
ENSMUSG00000038836.16,Agbl3,protein_coding	0.05382734	0.800749
ENSMUSG00000035835.15,Plppr3,protein_coding	0.053816	0.887777
ENSMUSG00000028975.17,Pex14,protein_coding	0.0538139	0.7254411
ENSMUSG00000026755.15,Arpc5l,protein_coding	0.05375147	0.7431662
ENSMUSG00000053550.14,Shisa7,protein_coding	0.05373523	0.8566338
ENSMUSG00000040236.5,Trappc5,protein_coding	0.05366241	0.6472276
ENSMUSG00000022383.14,Ppara,protein_coding	0.05362384	0.857351
ENSMUSG00000006289.15,Osgep,protein_coding	0.05362074	0.6817873
ENSMUSG00000042111.10,Ccdc115,protein_coding	0.0536149	0.7114561
ENSMUSG00000079555.3,Haus3,protein_coding	0.05358795	0.9267545
ENSMUSG00000000916.16,Nsun5,protein_coding	0.05358507	0.7724134
ENSMUSG00000058064.7,Gm10036,processed_pseudogene	0.05357523	0.9538594
ENSMUSG00000022412.15,Mief1,protein_coding	0.05356808	0.596145
ENSMUSG00000031938.16,4931406C07Rik,protein_coding	0.05356491	0.6885849
ENSMUSG00000071604.6,Entrep1,protein_coding	0.05356355	0.8231347
ENSMUSG00000032504.16,Pdcd6ip,protein_coding	0.05352365	0.552728
ENSMUSG00000104272.2,Gm38297,TEC	0.05352164	0.8468854
ENSMUSG00000002372.10,Ranbp3,protein_coding	0.05349516	0.7275809
ENSMUSG00000020818.17,Mfsd11,protein_coding	0.0534908	0.6783559
ENSMUSG00000068874.14,Selenbp1,protein_coding	0.05344013	0.8527389

ENSMUSG00000043323.18,Fbrsl1,protein_coding	0.05341717	0.7439357
ENSMUSG00000064090.15,Vrk2,protein_coding	0.05339087	0.9424526
ENSMUSG00000041380.14,Htr2c,protein_coding	0.0533879	0.8230408
ENSMUSG00000006024.14,Napa,protein_coding	0.05336112	0.7148808
ENSMUSG00000021235.14,Coq6,protein_coding	0.0533459	0.7236018
ENSMUSG00000137091.1,ENSMUSG00000137091,lncRNA	0.05332307	0.8099746
ENSMUSG00000137391.1,ENSMUSG00000137391,lncRNA	0.05322425	0.8187435
ENSMUSG00000022711.17,Pmm2,protein_coding	0.05321151	0.7803914
ENSMUSG00000105230.2,Gm42433,TEC	0.05320887	0.8244831
ENSMUSG00000026994.10,Galnt3,protein_coding	0.05320079	0.9138354
ENSMUSG00000039735.17,Fnbp1l,protein_coding	0.0531779	0.8334121
ENSMUSG00000036840.6,Siah1a,protein_coding	0.05317006	0.6957262
ENSMUSG00000066551.13,Hmgb1,protein_coding	0.05314333	0.8022168
ENSMUSG00000103291.2,Gm38235,TEC	0.05312893	0.832707
ENSMUSG00000022893.15,Adamts1,protein_coding	0.0531225	0.8135355
ENSMUSG00000038094.16,Atp13a4,protein_coding	0.05305917	0.6938968
ENSMUSG00000041199.4,Rpusd1,protein_coding	0.05303487	0.8057254
ENSMUSG00000022142.9,Nup155,protein_coding	0.05298047	0.8444816
ENSMUSG00000002546.18,Golga2,protein_coding	0.05296711	0.7379585
ENSMUSG00000058569.9,Tmed9,protein_coding	0.0529549	0.6604146
ENSMUSG00000103161.2,Gm38148,TEC	0.05291813	0.8645622
ENSMUSG00000031971.16,Ccsap,protein_coding	0.05288507	0.8093288
ENSMUSG00000032177.19,Pde4a,protein_coding	0.05284942	0.8049489
ENSMUSG00000022793.18,B4galt4,protein_coding	0.05283677	0.7215236
ENSMUSG00000055041.9,Commd5,protein_coding	0.05283232	0.8264165
ENSMUSG00000022987.13,Zfp641,protein_coding	0.05280353	0.7453855
ENSMUSG00000004415.16,Col26a1,protein_coding	0.05276032	0.8523457
ENSMUSG00000083327.2,Vcp-rs,processed_pseudogene	0.05274275	0.836616
ENSMUSG00000032589.15,Bsn,protein_coding	0.05268205	0.7838717
ENSMUSG00000074220.11,Zfp382,protein_coding	0.05266988	0.685699
ENSMUSG00000041815.15,Poldip3,protein_coding	0.05266661	0.627159
ENSMUSG00000029712.15,Actl6b,protein_coding	0.05265976	0.8235343
ENSMUSG00000027533.11,Fabp5,protein_coding	0.0526562	0.7852806
ENSMUSG00000021277.17,Traf3,protein_coding	0.05262431	0.6503564
ENSMUSG00000033961.17,Zfp446,protein_coding	0.05255995	0.7589767
ENSMUSG00000005534.11,Insr,protein_coding	0.05250787	0.7028395
ENSMUSG00000020591.12,Ntsr2,protein_coding	0.0524864	0.7595124
ENSMUSG00000038677.15,Scube3,protein_coding	0.05245083	0.8987291
ENSMUSG00000020015.11,Cdk17,protein_coding	0.05244136	0.7739193
ENSMUSG00000033955.14,Tnks1bp1,protein_coding	0.05243019	0.7698273
ENSMUSG00000047986.13,Palm3,protein_coding	0.05242479	0.9126025
ENSMUSG00000036270.17,Edc4,protein_coding	0.05241658	0.6939161
ENSMUSG00000025731.17,Mettl26,protein_coding	0.05241335	0.8775447
ENSMUSG00000109353.2,Gm45183,TEC	0.05239995	0.9159349
ENSMUSG00000026223.16,Itm2c,protein_coding	0.05238801	0.8233094
ENSMUSG00000106683.3,Gm43263,lncRNA	0.05236744	0.9242174
ENSMUSG00000040111.18,Gramd1b,protein_coding	0.05234961	0.7307761
ENSMUSG00000038784.14,Cnot4,protein_coding	0.05234276	0.6612669
ENSMUSG00000039205.17,Ciz1,protein_coding	0.05232573	0.7089674
ENSMUSG00000041920.15,Slc16a6,protein_coding	0.05231954	0.7669522
ENSMUSG00000102659.2,Gm37077,TEC	0.05230978	0.8465107
ENSMUSG00000018449.13,Rpain,protein_coding	0.05227382	0.7798229

ENSMUSG00000025332.15,Kdm5c,protein_coding	0.05226032	0.643055
ENSMUSG00000037617.13,Spag1,protein_coding	0.05221608	0.7203836
ENSMUSG00000031781.15,Ciapin1,protein_coding	0.0521756	0.6770677
ENSMUSG00000005125.14,Ndrg1,protein_coding	0.05217443	0.7724092
ENSMUSG00000071708.12,Sms,protein_coding	0.05216506	0.6723816
ENSMUSG00000103214.2,Gm38286,TEC	0.0521419	0.8587126
ENSMUSG00000050332.8,Amer1,protein_coding	0.05214063	0.7580965
ENSMUSG00000050891.11,Tatdn1,protein_coding	0.05212469	0.7409276
ENSMUSG00000104671.2,Gm43062,lncRNA	0.05208619	0.9093181
ENSMUSG00000021290.7,Atp5mj,protein_coding	0.05199597	0.8243896
ENSMUSG00000037351.10,Actr1b,protein_coding	0.05199051	0.7793715
ENSMUSG00000024118.15,Tedc2,protein_coding	0.05198433	0.8455991
ENSMUSG00000027375.15,Mal,protein_coding	0.05198396	0.749695
ENSMUSG00000064068.16,Mtx1,protein_coding	0.05197892	0.7353862
ENSMUSG00000104795.2,Gm42783,TEC	0.05197316	0.8512683
ENSMUSG00000042210.19,Abhd14a,protein_coding	0.05196445	0.8267406
ENSMUSG00000032773.10,Chrm1,protein_coding	0.05195302	0.8935794
ENSMUSG00000025817.14,Nudt5,protein_coding	0.05192592	0.8185335
ENSMUSG00000033434.16,Gtpbp6,protein_coding	0.05191538	0.8108805
ENSMUSG00000054966.14,Lmntd1,protein_coding	0.05191518	0.8949102
ENSMUSG00000079179.12,Rab10os,lncRNA	0.05189839	0.6912574
ENSMUSG00000104633.2,Gm42421,lncRNA	0.05188524	0.9231458
ENSMUSG00000043635.13,Adamts3,protein_coding	0.05188178	0.8475845
ENSMUSG00000032239.11,Rp9,protein_coding	0.0518802	0.7497009
ENSMUSG00000024403.17,Atp6v1g2,protein_coding	0.05184561	0.8047036
ENSMUSG00000050071.9,Bex1,protein_coding	0.05183728	0.7672964
ENSMUSG00000078765.12,U2af1l4,protein_coding	0.05179199	0.773283
ENSMUSG00000068270.16,Shroom4,protein_coding	0.05176301	0.7620083
ENSMUSG00000024018.19,Ccdc167,protein_coding	0.05175315	0.796291
ENSMUSG00000097482.5,Gm17634,lncRNA	0.05173683	0.9220877
ENSMUSG00000039372.6,Marchf4,protein_coding	0.05173669	0.7888627
ENSMUSG00000020661.17,Dnmt3a,protein_coding	0.05171792	0.6652582
ENSMUSG00000009894.16,Snap47,protein_coding	0.05171632	0.8280118
ENSMUSG00000069763.4,Tmem100,protein_coding	0.05170313	0.8372333
ENSMUSG00000050910.6,Cdr2l,protein_coding	0.05168803	0.778716
ENSMUSG00000045107.6,Saysd1,protein_coding	0.05168786	0.8379887
ENSMUSG00000025162.19,Csnk1d,protein_coding	0.05165792	0.6963746
ENSMUSG00000067424.14,Zfp563,protein_coding	0.05165371	0.6992589
ENSMUSG00000107955.2,Gm44027,TEC	0.05160331	0.8031746
ENSMUSG00000031596.16,Slc7a2,protein_coding	0.05160022	0.8143799
ENSMUSG00000101224.3,Gm28209,lncRNA	0.05154992	0.9057856
ENSMUSG00000033272.14,Slc35a4,protein_coding	0.05154178	0.7272349
ENSMUSG00000107947.2,Gm44438,TEC	0.05153621	0.8509755
ENSMUSG00000030035.15,Wbp1,protein_coding	0.05153356	0.8310367
ENSMUSG00000019883.12,Echdc1,protein_coding	0.05150644	0.7290464
ENSMUSG00000085151.9,1110018N20Rik,lncRNA	0.05147797	0.870689
ENSMUSG00000042787.16,Exog,protein_coding	0.05144738	0.7374756
ENSMUSG00000004896.17,Mettl25b,protein_coding	0.05140747	0.7323422
ENSMUSG00000120496.2,Gm56762,lncRNA	0.05138703	0.8947279
ENSMUSG00000056952.14,Tatdn2,protein_coding	0.05133799	0.6573393
ENSMUSG00000018042.19,Cyb5r3,protein_coding	0.05132451	0.7261444
ENSMUSG00000020821.18,Kif1c,protein_coding	0.0513021	0.6871924

ENSMUSG00000040865.17,Ino80d,protein_coding	0.0512916	0.7321327
ENSMUSG00000050627.14,Gpd1l,protein_coding	0.05125017	0.7646543
ENSMUSG00000079111.4,Kdelr2,protein_coding	0.05123281	0.7765447
ENSMUSG00000035376.11,Hacd2,protein_coding	0.05123108	0.722564
ENSMUSG00000043866.12,Taf10,protein_coding	0.05122238	0.707964
ENSMUSG00000010066.17,Cacna2d2,protein_coding	0.05114526	0.811814
ENSMUSG00000025738.9,Fbxl16,protein_coding	0.0511209	0.862263
ENSMUSG00000030122.14,Ptms,protein_coding	0.05111809	0.8175315
ENSMUSG00000110308.2,Gm45516,TEC	0.05111242	0.8702415
ENSMUSG00000141837.1,ENSMUSG00000141837,lncRNA	0.05110839	0.9305523
ENSMUSG00000104132.2,Gm36952,TEC	0.05108262	0.8577617
ENSMUSG00000028830.15,AU040320,protein_coding	0.0510813	0.7321413
ENSMUSG00000048701.14,Ccdc6,protein_coding	0.0510628	0.5891696
ENSMUSG00000024782.8,Ak3,protein_coding	0.05106175	0.6450571
ENSMUSG00000106617.2,Gm36266,lncRNA	0.05095758	0.9179239
ENSMUSG00000032087.12,Dscaml1,protein_coding	0.0509528	0.8142716
ENSMUSG00000020230.16,Prmt2,protein_coding	0.05094648	0.8703633
ENSMUSG00000030607.8,Acan,protein_coding	0.05094635	0.8770873
ENSMUSG00000024008.17,Cpne5,protein_coding	0.05093724	0.8823861
ENSMUSG00000027358.7,Bmp2,protein_coding	0.05090332	0.9075282
ENSMUSG00000020536.13,Llgl1,protein_coding	0.05087414	0.7050817
ENSMUSG00000001783.4,Rtcb,protein_coding	0.05086268	0.7764026
ENSMUSG00000042506.16,Usp22,protein_coding	0.05084838	0.7562791
ENSMUSG00000048878.7,Hexim1,protein_coding	0.0508432	0.7407817
ENSMUSG00000003421.14,Nosip,protein_coding	0.05084047	0.7357143
ENSMUSG00000056749.8,Nfil3,protein_coding	0.05083983	0.7944396
ENSMUSG00000047090.14,Tmem198b,protein_coding	0.05083175	0.7949244
ENSMUSG00000065371.3,Gm22739,snRNA	0.05082397	0.9035244
ENSMUSG00000021540.17,Smad5,protein_coding	0.05081529	0.6760531
ENSMUSG00000020021.5,Fgd6,protein_coding	0.05077313	0.7240051
ENSMUSG00000033068.17,Entpd6,protein_coding	0.05075001	0.7767625
ENSMUSG00000034799.17,Unc13a,protein_coding	0.05071145	0.8384
ENSMUSG00000111929.2,Gm48780,lncRNA	0.05070418	0.849104
ENSMUSG00000034201.14,Gas2l1,protein_coding	0.05069883	0.8164455
ENSMUSG00000022371.18,Col14a1,protein_coding	0.05064942	0.8747654
ENSMUSG00000013997.11,Nit1,protein_coding	0.05059283	0.7049934
ENSMUSG00000021466.13,Ptch1,protein_coding	0.05056826	0.7351589
ENSMUSG00000108238.2,Gm43984,TEC	0.05056614	0.8734887
ENSMUSG00000028565.19,Nfia,protein_coding	0.05056357	0.8086306
ENSMUSG00000018589.9,Glra2,protein_coding	0.05054595	0.8755797
ENSMUSG00000038271.18,Iffo1,protein_coding	0.0505134	0.7558985
ENSMUSG00000037016.12,Frem2,protein_coding	0.0505044	0.8403537
ENSMUSG00000031974.9,Abcb10,protein_coding	0.05050035	0.782477
ENSMUSG00000028945.10,Rheb,protein_coding	0.05048675	0.6476929
ENSMUSG00000034171.14,Faah,protein_coding	0.05047517	0.7912842
ENSMUSG00000120310.2,Gm56728,lncRNA	0.05040779	0.7871684
ENSMUSG00000032281.12,Acsbg1,protein_coding	0.0503896	0.7446365
ENSMUSG00000021484.9,Lman2,protein_coding	0.05038225	0.6979747
ENSMUSG00000056004.17,Elapor2,protein_coding	0.05035305	0.7180002
ENSMUSG00000016252.8,Atp5f1e,protein_coding	0.05033674	0.8137573
ENSMUSG00000025202.9,Scd3,protein_coding	0.05033555	0.8629116
ENSMUSG00000053137.8,Mapk11,protein_coding	0.05025781	0.7774609

ENSMUSG00000061080.13,Lsamp,protein_coding	0.05025584	0.7188745
ENSMUSG00000102179.2,Gm37868,TEC	0.05024863	0.8601692
ENSMUSG00000039262.17,Prrc2b,protein_coding	0.05024614	0.7349808
ENSMUSG00000004110.19,Cacna1e,protein_coding	0.05024546	0.8227136
ENSMUSG00000066595.10,Flvcr1,protein_coding	0.05024032	0.7391396
ENSMUSG00000024087.5,Cyp1b1,protein_coding	0.05020797	0.9295471
ENSMUSG00000025580.16,Eif4a3,protein_coding	0.05020233	0.761922
ENSMUSG00000074219.5,Gm10644,lncRNA	0.05018637	0.8809303
ENSMUSG00000031428.12,Zcchc18,protein_coding	0.05016777	0.7784279
ENSMUSG00000055723.7,Rras2,protein_coding	0.05015176	0.8697635
ENSMUSG00000106379.2,Lhfpl3,protein_coding	0.05014682	0.7902937
ENSMUSG00000038500.16,Prr3,protein_coding	0.05013583	0.7546771
ENSMUSG00000108752.2,Gm45191,TEC	0.05012727	0.9086327
ENSMUSG00000026701.16,Prdx6,protein_coding	0.05009923	0.6809428
ENSMUSG00000048661.15,Lemd3,protein_coding	0.05008834	0.6257009
ENSMUSG00000102517.2,Gm38085,lncRNA	0.05008381	0.8150313
ENSMUSG00000030657.12,Xylt1,protein_coding	0.05007665	0.8222912
ENSMUSG00000037369.18,Kdm6a,protein_coding	0.050076	0.7556375
ENSMUSG00000091020.4,Gm5828,processed_pseudogene	0.05007048	0.9198458
ENSMUSG00000128423.1,ENSMUSG00000128423,lncRNA	0.0500606	0.8723619
ENSMUSG00000104960.4,Snhg8,lncRNA	0.04999136	0.8468685
ENSMUSG00000033209.18,Ttc28,protein_coding	0.04998431	0.7810141
ENSMUSG00000055670.15,Zzef1,protein_coding	0.04995023	0.5779681
ENSMUSG00000043259.16,Fam13c,protein_coding	0.04991388	0.7773841
ENSMUSG00000008318.11,Relt,protein_coding	0.04990787	0.8745905
ENSMUSG00000027966.21,Col11a1,protein_coding	0.04989489	0.8495774
ENSMUSG00000038486.10,Sv2a,protein_coding	0.04989444	0.8040487
ENSMUSG00000037408.11,Cnnm4,protein_coding	0.04988599	0.7834489
ENSMUSG00000101493.4,2810405F17Rik,lncRNA	0.04987435	0.8410905
ENSMUSG00000029076.15,Sdf4,protein_coding	0.04984924	0.6820722
ENSMUSG00000034110.9,Kctd7,protein_coding	0.04979773	0.7587045
ENSMUSG00000028901.14,Gmeb1,protein_coding	0.04977813	0.7064081
ENSMUSG00000019087.14,Atp6ap1,protein_coding	0.04977283	0.7858161
ENSMUSG00000029059.10,Prxl2b,protein_coding	0.04976887	0.8106797
ENSMUSG00000056708.6,Ier5,protein_coding	0.04976122	0.778483
ENSMUSG00000057229.12,Dmac2,protein_coding	0.04969483	0.7388011
ENSMUSG00000038806.8,Sde2,protein_coding	0.04968396	0.6851957
ENSMUSG00000036712.17,Cyld,protein_coding	0.04967275	0.7190517
ENSMUSG00000056737.15,Capg,protein_coding	0.04965032	0.971058
ENSMUSG00000059588.15,Calcrl,protein_coding	0.049648	0.9223598
ENSMUSG00000020593.17,Lpin1,protein_coding	0.04959923	0.7632258
ENSMUSG00000018442.14,Derl2,protein_coding	0.04959285	0.7018541
ENSMUSG00000035151.13,Elmod2,protein_coding	0.04957377	0.7259232
ENSMUSG00000050199.14,Lgr4,protein_coding	0.04956552	0.7737245
ENSMUSG00000075600.4,Zc3h3,protein_coding	0.04955704	0.8148621
ENSMUSG00000129504.1,A230070E04Rik,lncRNA	0.04955667	0.7865484
ENSMUSG00000031486.16,Adgra2,protein_coding	0.04953186	0.779818
ENSMUSG00000037740.9,Mrps26,protein_coding	0.04952242	0.7726942
ENSMUSG00000024610.17,Cd74,protein_coding	0.04951729	0.972156
ENSMUSG00000062014.15,Gmfb,protein_coding	0.04950482	0.8000065
ENSMUSG00000024220.15,Zfp523,protein_coding	0.04948481	0.7938841
ENSMUSG00000090659.10,Zfp493,protein_coding	0.04947442	0.8373234

ENSMUSG00000037890.14,Wdr19,protein_coding	0.04946576	0.6847071
ENSMUSG00000043456.18,Zfp536,protein_coding	0.04945489	0.7354337
ENSMUSG00000001785.14,Pwp1,protein_coding	0.04936271	0.7987688
ENSMUSG00000029438.10,Bcl7a,protein_coding	0.04936122	0.6526672
ENSMUSG00000125136.1,ENSMUSG00000125136,lncRNA	0.04935788	0.9090476
ENSMUSG00000029765.13,Plxna4,protein_coding	0.04935433	0.7914558
ENSMUSG00000030870.13,Ubfd1,protein_coding	0.0493142	0.6884787
ENSMUSG00000095463.9,Entpd4,protein_coding	0.04928291	0.7613645
ENSMUSG00000039782.16,Cpeb2,protein_coding	0.04925445	0.6491601
ENSMUSG00000030838.21,Ush1c,protein_coding	0.04925184	0.9615769
ENSMUSG00000043421.9,Hilpda,protein_coding	0.04921418	0.8852015
ENSMUSG00000000276.12,Dgke,protein_coding	0.04921003	0.7383992
ENSMUSG00000121066.1,Gm57402,lncRNA	0.0491784	0.8440206
ENSMUSG00000000134.18,Tfe3,protein_coding	0.0491605	0.6864689
ENSMUSG00000029364.16,Wsb2,protein_coding	0.04910045	0.7773398
ENSMUSG00000042626.14,Shc1,protein_coding	0.04908895	0.8544763
ENSMUSG00000042572.13,Ube2q1,protein_coding	0.04908452	0.6307519
ENSMUSG00000051678.5,Pcdhb6,protein_coding	0.04904126	0.8004058
ENSMUSG00000055932.16,Fto,protein_coding	0.04901525	0.6517665
ENSMUSG00000049422.8,Chchd10,protein_coding	0.04897342	0.8464706
ENSMUSG00000030671.10,Pde3b,protein_coding	0.04897316	0.8694849
ENSMUSG00000090086.10,AI480526,lncRNA	0.04896028	0.8086069
ENSMUSG00000002949.16,Timm44,protein_coding	0.04895745	0.6587233
ENSMUSG00000028475.10,Spaar,protein_coding	0.04894554	0.9059899
ENSMUSG00000021062.16,Rab15,protein_coding	0.04892687	0.8509631
ENSMUSG00000026469.15,Xpr1,protein_coding	0.04890047	0.6631372
ENSMUSG00000032942.15,Ucp3,protein_coding	0.04885807	0.8660192
ENSMUSG00000027710.15,Acad9,protein_coding	0.04881313	0.6824649
ENSMUSG00000028557.11,Rnf11,protein_coding	0.04879671	0.7914807
ENSMUSG00000040812.15,Agbl2,protein_coding	0.04877032	0.8961109
ENSMUSG00000024941.10,Scyl1,protein_coding	0.04873859	0.7488564
ENSMUSG00000029267.18,Mtf2,protein_coding	0.04873227	0.8598434
ENSMUSG00000031153.17,Gripap1,protein_coding	0.04871074	0.6970077
ENSMUSG00000063801.8,Ap3s2,protein_coding	0.04869373	0.734705
ENSMUSG00000024798.16,Htr7,protein_coding	0.04868194	0.8626442
ENSMUSG00000107226.2,Gm43594,TEC	0.0486765	0.8780267
ENSMUSG00000108005.2,Gm44435,TEC	0.04866288	0.8480874
ENSMUSG00000026830.10,Ermn,protein_coding	0.0486307	0.8082634
ENSMUSG00000029389.18,Ddx55,protein_coding	0.04862008	0.6893287
ENSMUSG00000063108.16,Zfp26,protein_coding	0.04858201	0.7816964
ENSMUSG00000020788.16,Atp2a3,protein_coding	0.04856222	0.911523
ENSMUSG00000027108.16,Ola1,protein_coding	0.04854407	0.741746
ENSMUSG00000048154.18,Kmt2d,protein_coding	0.04853663	0.711852
ENSMUSG00000052928.10,Ctif,protein_coding	0.04852197	0.8304145
ENSMUSG00000047420.9,Fam180a,protein_coding	0.04850677	0.9200796
ENSMUSG00000037808.14,Fam76b,protein_coding	0.04848599	0.8501335
ENSMUSG00000049313.9,Sorl1,protein_coding	0.04846633	0.7935633
ENSMUSG00000001786.15,Fbxo7,protein_coding	0.04846316	0.6921736
ENSMUSG00000034570.13,Inpp5j,protein_coding	0.04845168	0.8169706
ENSMUSG00000042595.8,Fam199x,protein_coding	0.0484058	0.8268412
ENSMUSG00000003418.12,St8sia6,protein_coding	0.04840487	0.8544672
ENSMUSG00000028126.17,Pip5k1a,protein_coding	0.04838672	0.6646438

ENSMUSG00000029009.18,Mthfr,protein_coding	0.04838087	0.7799006
ENSMUSG00000046671.19,Mtfr1l,protein_coding	0.04829097	0.6797501
ENSMUSG00000060988.13,Galnt13,protein_coding	0.04828678	0.8505702
ENSMUSG00000105338.2,Gm43802,processed_pseudogene	0.04828027	0.9549156
ENSMUSG00000007589.10,Tinf2,protein_coding	0.04823283	0.8708613
ENSMUSG00000024420.10,Zfp521,protein_coding	0.04822763	0.8990806
ENSMUSG00000009376.16,Met,protein_coding	0.04819384	0.8377896
ENSMUSG00000036327.19,Qsox2,protein_coding	0.04818596	0.6337055
ENSMUSG00000021178.10,Psmc1,protein_coding	0.04817759	0.770868
ENSMUSG00000090394.9,4930523C07Rik,protein_coding	0.04816991	0.9169304
ENSMUSG00000105218.6,Gm38413,lncRNA	0.04816311	0.9272841
ENSMUSG00000021147.18,Wdr37,protein_coding	0.0480703	0.6282239
ENSMUSG00000014873.16,Surf2,protein_coding	0.04802749	0.7273397
ENSMUSG00000034126.6,Pomt2,protein_coding	0.04802486	0.7130227
ENSMUSG00000038150.8,Ormdl3,protein_coding	0.04801243	0.752428
ENSMUSG00000044950.8,Pwwp2a,protein_coding	0.04798842	0.7702279
ENSMUSG00000027263.13,Tubgcp4,protein_coding	0.04797711	0.7552999
ENSMUSG00000041889.8,Shisa4,protein_coding	0.04797206	0.8328907
ENSMUSG00000084799.10,Ino80dos,lncRNA	0.04786198	0.8086169
ENSMUSG00000041556.9,Fbxo2,protein_coding	0.0478488	0.8385388
ENSMUSG00000097571.12,Jpx,lncRNA	0.04778971	0.8090364
ENSMUSG00000038619.13,Ensa,protein_coding	0.04778242	0.7066521
ENSMUSG00000042734.7,Ttc9,protein_coding	0.04774606	0.770269
ENSMUSG00000025816.16,Sec61a2,protein_coding	0.04772823	0.7446649
ENSMUSG00000056413.17,Adap1,protein_coding	0.04772628	0.8298646
ENSMUSG00000038544.15,Inip,protein_coding	0.04771552	0.8329027
ENSMUSG00000108893.2,Gm44927,TEC	0.04769534	0.9337816
ENSMUSG00000015016.9,Acsf3,protein_coding	0.04767792	0.7713304
ENSMUSG00000024181.10,Mrpl28,protein_coding	0.04762761	0.8456651
ENSMUSG00000020990.6,Cdkl1,protein_coding	0.0476214	0.8011659
ENSMUSG00000069305.4,H4c18,protein_coding	0.04759373	0.9446496
ENSMUSG00000033596.6,Rfwd3,protein_coding	0.04759342	0.8526529
ENSMUSG00000143077.1,ENSMUSG00000143077,lncRNA	0.04758909	0.9147586
ENSMUSG00000104411.3,Gm30340,lncRNA	0.04758718	0.8628905
ENSMUSG00000052353.14,Cemip,protein_coding	0.04756702	0.7667619
ENSMUSG00000020100.16,Slc29a3,protein_coding	0.047558	0.8210144
ENSMUSG00000049680.19,Urgcp,protein_coding	0.04755193	0.7683754
ENSMUSG00000133636.1,ENSMUSG00000133636,lncRNA	0.04755082	0.8851621
ENSMUSG00000026784.15,Pdss1,protein_coding	0.04753614	0.8453553
ENSMUSG00000113361.3,B930059L03Rik,lncRNA	0.04752869	0.9119907
ENSMUSG00000027313.4,Chac1,protein_coding	0.04750587	0.9224464
ENSMUSG00000026796.17,Niban2,protein_coding	0.04750308	0.8029797
ENSMUSG00000038886.11,Man2a2,protein_coding	0.04750261	0.6474582
ENSMUSG00000045636.17,Mtus1,protein_coding	0.04749321	0.8198878
ENSMUSG00000093424.6,6330562C20Rik,lncRNA	0.04746656	0.9155048
ENSMUSG00000034173.14,Zbed5,protein_coding	0.04744828	0.8355652
ENSMUSG00000121179.2,Gm56999,lncRNA	0.04742545	0.8216422
ENSMUSG00000074480.5,Mex3a,protein_coding	0.047397	0.8694552
ENSMUSG00000052459.14,Atp6v1a,protein_coding	0.04737075	0.7914791
ENSMUSG00000020810.6,Cygb,protein_coding	0.04736905	0.8505694
ENSMUSG00000058318.17,Phf21a,protein_coding	0.04730114	0.6071603
ENSMUSG00000085385.10,Snhg17,lncRNA	0.04729593	0.8689065

ENSMUSG00000027282.18,Mtch2,protein_coding	0.04725696	0.786945
ENSMUSG00000089917.8,Uckl1,protein_coding	0.04723867	0.7721855
ENSMUSG00000087620.10,5330434G04Rik,lncRNA	0.04721293	0.8211867
ENSMUSG00000010755.18,Cars1,protein_coding	0.04721158	0.7884476
ENSMUSG00000028868.14,Wasf2,protein_coding	0.04720609	0.8698091
ENSMUSG00000109679.2,Gm45342,TEC	0.04720199	0.8003103
ENSMUSG00000022394.15,L3mbtl2,protein_coding	0.04719624	0.7681694
ENSMUSG00000041617.11,Ccdc74a,protein_coding	0.04717516	0.8304152
ENSMUSG00000046182.9,Gsg1l,protein_coding	0.04711457	0.8941792
ENSMUSG00000039449.15,Prpf18,protein_coding	0.04699022	0.6160512
ENSMUSG00000029394.12,Cdk2ap1,protein_coding	0.04690942	0.7298414
ENSMUSG00000026048.17,Ercc5,protein_coding	0.04690613	0.6974397
ENSMUSG00000086537.10,Gnasas1,lncRNA	0.04690602	0.9635315
ENSMUSG00000025938.17,Slco5a1,protein_coding	0.04688931	0.8607138
ENSMUSG00000035431.6,Sstr1,protein_coding	0.04686274	0.8916333
ENSMUSG00000022836.12,Mylk,protein_coding	0.04685937	0.758036
ENSMUSG00000023004.9,Tuba1b,protein_coding	0.04683089	0.8545223
ENSMUSG00000015023.8,Ddx19a,protein_coding	0.0468291	0.7954833
ENSMUSG00000104106.3,Gm10848,lncRNA	0.04682157	0.9058541
ENSMUSG00000007035.16,Msh5,protein_coding	0.04681404	0.9610044
ENSMUSG00000030137.9,Tuba8,protein_coding	0.04680835	0.8761171
ENSMUSG00000116987.4,Gm49625,lncRNA	0.04676115	0.9533434
ENSMUSG00000128506.1,ENSMUSG00000128506,lncRNA	0.04664007	0.8864291
ENSMUSG00000047731.18,Wbp1l,protein_coding	0.04661092	0.7691772
ENSMUSG00000026566.16,Mpzl1,protein_coding	0.04657812	0.7202025
ENSMUSG00000043079.18,Synpo,protein_coding	0.04655568	0.8783643
ENSMUSG00000067924.5,Rtl8b,protein_coding	0.04655463	0.8500798
ENSMUSG00000061981.15,Flot2,protein_coding	0.04655118	0.8308777
ENSMUSG00000000959.8,Oxa1l,protein_coding	0.04653041	0.6855774
ENSMUSG00000049804.10,Armcx4,protein_coding	0.04651856	0.7778702
ENSMUSG00000097316.4,Gm10516,lncRNA	0.0463637	0.8193855
ENSMUSG00000026814.17,Eng,protein_coding	0.04634856	0.7815707
ENSMUSG00000034612.8,Chst11,protein_coding	0.04634566	0.7190318
ENSMUSG00000020411.3,Nipal4,protein_coding	0.04631912	0.8668474
ENSMUSG00000048058.18,Ldlrad3,protein_coding	0.04628058	0.786183
ENSMUSG00000040209.13,Zfp704,protein_coding	0.04623702	0.7733961
ENSMUSG00000093803.7,Ppp2r3d,protein_coding	0.0462305	0.7361485
ENSMUSG00000019518.12,Ap4m1,protein_coding	0.04621073	0.6991949
ENSMUSG00000028948.17,Nol9,protein_coding	0.04621025	0.8338908
ENSMUSG00000052738.15,Suclg1,protein_coding	0.0462012	0.7823804
ENSMUSG00000023110.13,Prmt5,protein_coding	0.04619731	0.7891622
ENSMUSG00000024298.16,Zfp871,protein_coding	0.04616888	0.7364419
ENSMUSG00000037275.15,Gemin5,protein_coding	0.04612984	0.821493
ENSMUSG00000021234.10,Fam161b,protein_coding	0.04610902	0.7716259
ENSMUSG00000086503.6,Xist,lncRNA	0.04604936	0.8223399
ENSMUSG00000031925.18,Maml2,protein_coding	0.04604307	0.7737695
ENSMUSG00000075054.6,Yae1d1,protein_coding	0.04604177	0.7509344
ENSMUSG00000042178.7,Armc5,protein_coding	0.04599995	0.8115906
ENSMUSG00000036186.6,Dipk1b,protein_coding	0.04598155	0.8466119
ENSMUSG00000027695.17,Pld1,protein_coding	0.04597207	0.775396
ENSMUSG00000014602.16,Kif1a,protein_coding	0.04591601	0.8157504
ENSMUSG00000030881.16,Arfip2,protein_coding	0.04583579	0.740641

ENSMUSG00000023952.14,Gtpbp2,protein_coding	0.04581534	0.7272862
ENSMUSG00000015714.12,Cers2,protein_coding	0.04580287	0.8107568
ENSMUSG00000020917.18,Acly,protein_coding	0.04577513	0.8054422
ENSMUSG00000055407.15,Map6,protein_coding	0.04576614	0.8279594
ENSMUSG00000074227.13,Spint2,protein_coding	0.04574839	0.8535702
ENSMUSG00000034675.18,Dbn1,protein_coding	0.04573498	0.8627394
ENSMUSG00000113167.2,Gm48482,TEC	0.0457267	0.9212052
ENSMUSG00000108802.2,Gm44769,TEC	0.04567308	0.8632189
ENSMUSG00000027016.18,Zfp385b,protein_coding	0.04564974	0.7882221
ENSMUSG00000061859.18,Patj,protein_coding	0.04560489	0.8821511
ENSMUSG00000024780.8,Cdc37l1,protein_coding	0.04555687	0.7376291
ENSMUSG00000143810.1,ENSMUSG00000143810,lncRNA	0.04554833	0.8507519
ENSMUSG00000009073.17,Nf2,protein_coding	0.04553511	0.6546
ENSMUSG00000035735.11,Dagla,protein_coding	0.04553151	0.8388297
ENSMUSG00000037519.18,Ppfia1,protein_coding	0.04551534	0.7366003
ENSMUSG00000107815.3,Gm44257,lncRNA	0.04549287	0.9015328
ENSMUSG00000115674.2,Gm49297,TEC	0.04548618	0.8743901
ENSMUSG00000030275.7,Etnk1,protein_coding	0.04547969	0.7273133
ENSMUSG00000078652.10,Psme3,protein_coding	0.04539897	0.6907283
ENSMUSG00000047067.8,Dusp28,protein_coding	0.04532135	0.8397156
ENSMUSG00000029033.17,Acap3,protein_coding	0.04530364	0.8352863
ENSMUSG00000024176.12,Sox8,protein_coding	0.04529898	0.8266627
ENSMUSG00000120012.2,Gm36220,lncRNA	0.0452894	0.9216339
ENSMUSG00000018326.10,Ywhab,protein_coding	0.04528376	0.7661002
ENSMUSG00000025857.11,Dnaaf5,protein_coding	0.04525988	0.8195294
ENSMUSG00000034312.16,Iqsec1,protein_coding	0.04525798	0.7381597
ENSMUSG00000086693.4,A730081D07Rik,lncRNA	0.0452267	0.8552457
ENSMUSG00000040363.16,Bcor,protein_coding	0.04521747	0.8507358
ENSMUSG00000039686.15,Zer1,protein_coding	0.04519962	0.7503543
ENSMUSG00000021288.20,Klc1,protein_coding	0.04515419	0.7840463
ENSMUSG00000024570.8,Rbfa,protein_coding	0.0451119	0.8206386
ENSMUSG00000020483.15,Dynll2,protein_coding	0.04507133	0.7952961
ENSMUSG00000032997.17,Chpf,protein_coding	0.04501886	0.8206503
ENSMUSG00000005397.9,Nid1,protein_coding	0.04501383	0.8352374
ENSMUSG00000040451.19,Sgms1,protein_coding	0.04499941	0.6691274
ENSMUSG00000024851.15,Pitpnm1,protein_coding	0.04492141	0.781685
ENSMUSG00000042831.14,Alkbh6,protein_coding	0.0448984	0.8054471
ENSMUSG00000032267.9,Usp28,protein_coding	0.0448781	0.7906396
ENSMUSG00000097729.5,2310015A10Rik,lncRNA	0.0448015	0.8182979
ENSMUSG00000061536.14,Sec22c,protein_coding	0.04479557	0.786887
ENSMUSG00000040502.6,Marchf9,protein_coding	0.04476994	0.8110126
ENSMUSG00000036966.16,Spryd3,protein_coding	0.04473992	0.8417725
ENSMUSG00000049489.6,Ccnq,protein_coding	0.04469421	0.8570551
ENSMUSG00000020052.10,Ascl1,protein_coding	0.04468487	0.8850093
ENSMUSG00000026317.8,Cln8,protein_coding	0.04458289	0.7405878
ENSMUSG00000031749.13,St3gal2,protein_coding	0.0445761	0.7926295
ENSMUSG00000056228.11,Cars2,protein_coding	0.04457575	0.781575
ENSMUSG00000022758.15,P2rx6,protein_coding	0.04457494	0.9063324
ENSMUSG00000034850.16,Tmem127,protein_coding	0.04457208	0.7567919
ENSMUSG00000018865.10,Sult4a1,protein_coding	0.0445409	0.8504384
ENSMUSG00000025264.13,Tsr2,protein_coding	0.04452393	0.8012107
ENSMUSG00000039347.8,Atp6v0e2,protein_coding	0.04450473	0.8497826

ENSMUSG00000118181.2,Gm53015,lncRNA	0.04444515	0.8587226
ENSMUSG00000024875.6,Yif1a,protein_coding	0.04444116	0.8303362
ENSMUSG00000036606.18,Plxnb2,protein_coding	0.0444297	0.8101415
ENSMUSG00000004891.17,Nes,protein_coding	0.04436293	0.8308037
ENSMUSG00000049969.4,Plekhf2,protein_coding	0.04436283	0.9142633
ENSMUSG00000034707.8,Gns,protein_coding	0.04433495	0.7855385
ENSMUSG00000097610.5,A930012L18Rik,lncRNA	0.04429061	0.9121601
ENSMUSG00000025656.18,Arhgef9,protein_coding	0.04424687	0.8487944
ENSMUSG00000037933.17,Bicd2,protein_coding	0.04421108	0.662237
ENSMUSG00000116811.2,Gm16385,processed_pseudogene	0.04410864	0.9609286
ENSMUSG00000046711.17,Hmga1,protein_coding	0.04410349	0.9284792
ENSMUSG00000029687.17,Ezh2,protein_coding	0.04410299	0.9275961
ENSMUSG00000049493.14,Pls1,protein_coding	0.04405074	0.8074542
ENSMUSG00000022139.18,Mbnl2,protein_coding	0.04404019	0.7452567
ENSMUSG00000029192.18,Tbc1d14,protein_coding	0.04403451	0.7109378
ENSMUSG00000037108.14,Zcwpw1,protein_coding	0.04401861	0.9439372
ENSMUSG00000022175.10,Lrp10,protein_coding	0.04401643	0.8807879
ENSMUSG00000116673.2,A630089N07Rik,protein_coding	0.04398753	0.9153837
ENSMUSG00000024969.17,Mark2,protein_coding	0.04397045	0.7475212
ENSMUSG00000120272.2,Gm56576,lncRNA	0.0439702	0.928135
ENSMUSG00000006526.14,Stimate,protein_coding	0.04393005	0.7785782
ENSMUSG00000001472.18,Tcf25,protein_coding	0.04388031	0.7894741
ENSMUSG00000033722.10,BC034090,protein_coding	0.04386961	0.8477042
ENSMUSG00000042650.4,Alkbh5,protein_coding	0.04385467	0.710873
ENSMUSG00000044763.9,Trmt10c,protein_coding	0.04383488	0.8840836
ENSMUSG00000038422.3,Hdhd3,protein_coding	0.04383418	0.8691253
ENSMUSG00000032174.6,Icam5,protein_coding	0.04380723	0.9061622
ENSMUSG00000046032.17,Snx12,protein_coding	0.04378019	0.717131
ENSMUSG00000029179.15,Zcchc4,protein_coding	0.04377017	0.8138729
ENSMUSG00000037239.9,Spred3,protein_coding	0.04374908	0.8531078
ENSMUSG00000066621.13,Tecpr1,protein_coding	0.04373052	0.791215
ENSMUSG00000023235.15,Ccl25,protein_coding	0.0437283	0.8425793
ENSMUSG00000025132.14,Arhgdia,protein_coding	0.0437213	0.8265718
ENSMUSG00000036298.11,Slc2a13,protein_coding	0.04369741	0.8505974
ENSMUSG00000041797.8,Abca9,protein_coding	0.04367462	0.8064397
ENSMUSG00000025027.19,Xpnpep1,protein_coding	0.04363693	0.7516848
ENSMUSG00000033595.8,Lgi3,protein_coding	0.0436114	0.7988766
ENSMUSG00000071648.5,Rom1,protein_coding	0.04361039	0.893381
ENSMUSG00000105700.2,Gm42772,TEC	0.04359933	0.9086018
ENSMUSG00000005672.13,Kit,protein_coding	0.04356787	0.8678692
ENSMUSG00000006471.19,Ndor1,protein_coding	0.04356535	0.7852964
ENSMUSG00000045996.13,Polr2k,protein_coding	0.04354898	0.8793135
ENSMUSG00000021638.13,Ocln,protein_coding	0.04352638	0.864694
ENSMUSG00000075478.4,Slitrk1,protein_coding	0.04350276	0.8059634
ENSMUSG00000029624.11,Ptcd1,protein_coding	0.04350075	0.7931656
ENSMUSG00000018286.7,Psmb6,protein_coding	0.04349513	0.8441037
ENSMUSG00000030811.15,Fbxl19,protein_coding	0.04348859	0.8504082
ENSMUSG00000018428.16,Akap1,protein_coding	0.04347313	0.7330894
ENSMUSG00000029385.15,Ccng2,protein_coding	0.04342281	0.8609896
ENSMUSG00000029106.15,Add1,protein_coding	0.04339523	0.8031624
ENSMUSG00000122195.1,ENSMUSG00000122195,lncRNA	0.04334386	0.9310958
ENSMUSG00000035407.9,Kank4,protein_coding	0.04327934	0.8871958

ENSMUSG00000052962.4,Mrpl35,protein_coding	0.04327568	0.7581102
ENSMUSG00000042345.16,Ubash3a,protein_coding	0.04327056	0.968782
ENSMUSG00000112945.3,Gm32151,lncRNA	0.04321349	0.8781644
ENSMUSG00000029878.7,Dbpht2,lncRNA	0.04320398	0.893407
ENSMUSG00000021704.9,Mtx3,protein_coding	0.04320097	0.719417
ENSMUSG00000041530.18,Ago1,protein_coding	0.04320031	0.6839172
ENSMUSG00000024350.7,Dnajc18,protein_coding	0.04318953	0.722389
ENSMUSG00000022560.10,Slc52a2,protein_coding	0.04317944	0.8086711
ENSMUSG00000005510.10,Ndufs3,protein_coding	0.04317183	0.8034889
ENSMUSG00000097375.5,6720427I07Rik,lncRNA	0.04316892	0.8772432
ENSMUSG00000038611.18,Phrf1,protein_coding	0.04311264	0.7392687
ENSMUSG00000106847.2,Peg13,lncRNA	0.04308443	0.7897548
ENSMUSG00000112741.2,Gm47341,TEC	0.04307907	0.8790102
ENSMUSG00000029168.15,Dpysl5,protein_coding	0.04306396	0.8736854
ENSMUSG00000048486.7,Fitm2,protein_coding	0.0430572	0.7819354
ENSMUSG00000029559.16,2210016L21Rik,protein_coding	0.04303909	0.8365554
ENSMUSG00000057895.12,Zfp105,protein_coding	0.04303092	0.8669601
ENSMUSG00000024963.13,Dnajc4,protein_coding	0.04302278	0.8705291
ENSMUSG00000107461.2,Gm44045,TEC	0.04297396	0.8828825
ENSMUSG00000022415.13,Syngr1,protein_coding	0.04295832	0.8448065
ENSMUSG00000038429.11,Usp5,protein_coding	0.04294859	0.8275829
ENSMUSG00000006215.13,Zbtb17,protein_coding	0.04293438	0.7998282
ENSMUSG00000017188.4,Coa3,protein_coding	0.04292148	0.8487199
ENSMUSG00000107208.2,D130004A15Rik,TEC	0.0429195	0.9148124
ENSMUSG00000039770.7,Ypel5,protein_coding	0.04290104	0.7678975
ENSMUSG00000079659.6,Tmem243,protein_coding	0.04289519	0.8644092
ENSMUSG00000001663.11,Gstt1,protein_coding	0.04286817	0.8786587
ENSMUSG00000029101.17,Rgs12,protein_coding	0.04286728	0.8260109
ENSMUSG00000007670.11,Khsrp,protein_coding	0.04286673	0.7859337
ENSMUSG00000131495.1,ENSMUSG00000131495,lncRNA	0.0428532	0.9245341
ENSMUSG00000105957.2,Gm43254,lncRNA	0.04284318	0.8576351
ENSMUSG00000046079.17,Lrrc8d,protein_coding	0.0428352	0.8268394
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ENSMUSG00000134510.1,ENSMUSG00000134510,lncRNA	0.04274702	0.8907911
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ENSMUSG00000006369.15,Fbln1,protein_coding	0.04274224	0.902818
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ENSMUSG00000037234.18,Hook3,protein_coding	0.04273832	0.7468983
ENSMUSG00000070366.6,Plpp4,protein_coding	0.04273799	0.8903307
ENSMUSG00000020736.13,Nt5c,protein_coding	0.0427321	0.880875
ENSMUSG00000102953.2,Gm37019,TEC	0.04270447	0.8801663
ENSMUSG00000103144.2,Pcdhga1,protein_coding	0.04268212	0.8317467
ENSMUSG00000020231.16,Dip2a,protein_coding	0.0426793	0.7868212
ENSMUSG00000007564.16,Ppp2r1a,protein_coding	0.04267787	0.8154615
ENSMUSG00000032594.12,Ip6k1,protein_coding	0.04267724	0.7413877
ENSMUSG00000020428.14,Gabra6,protein_coding	0.04266148	0.9619527
ENSMUSG00000045193.14,Cirbp,protein_coding	0.0426541	0.7636071
ENSMUSG00000086012.3,Gm15902,lncRNA	0.04263225	0.9020582

ENSMUSG00000023345.18,Poc1a,protein_coding	0.04260753	0.8726296
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ENSMUSG00000036006.21,Ripor2,protein_coding	0.04253023	0.8642972
ENSMUSG00000032508.9,Myd88,protein_coding	0.04248368	0.9012611
ENSMUSG00000030265.15,Kras,protein_coding	0.04247331	0.7856972
ENSMUSG00000102856.2,Gm37084,TEC	0.04245813	0.8640837
ENSMUSG00000027244.15,Atg13,protein_coding	0.04244779	0.7679296
ENSMUSG00000040652.18,Oaz2,protein_coding	0.04243179	0.825676
ENSMUSG00000022526.9,Zfp251,protein_coding	0.04241295	0.8099504
ENSMUSG00000009575.15,Cbx5,protein_coding	0.04241132	0.6620206
ENSMUSG00000030060.15,Hmces,protein_coding	0.04237165	0.878454
ENSMUSG00000053004.10,Hrh1,protein_coding	0.04235338	0.8716678
ENSMUSG00000047423.11,AI837181,protein_coding	0.04232229	0.835901
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ENSMUSG00000037966.16,Ninj1,protein_coding	0.04230269	0.8681702
ENSMUSG00000039771.14,Polr2j,protein_coding	0.04229414	0.8406149
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ENSMUSG00000030879.11,Mrpl17,protein_coding	0.04225689	0.7115134
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ENSMUSG00000103132.2,Gm37978,TEC	0.04224013	0.8995764
ENSMUSG00000041958.11,Pigs,protein_coding	0.04223051	0.8035523
ENSMUSG00000033712.7,Ccar2,protein_coding	0.0422203	0.7909326
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ENSMUSG00000025509.16,Pnpla2,protein_coding	0.04221273	0.8995457
ENSMUSG00000038034.16,Igsf8,protein_coding	0.04221019	0.8680153
ENSMUSG00000042208.17,Sanbr,protein_coding	0.04220042	0.7736291
ENSMUSG00000026721.17,Rabgap1l,protein_coding	0.04219525	0.7765098
ENSMUSG00000034858.18,Atosa,protein_coding	0.04217187	0.7321063
ENSMUSG00000041075.9,Fzd7,protein_coding	0.04216194	0.9220386
ENSMUSG00000027350.9,Chgb,protein_coding	0.04215698	0.8164482
ENSMUSG00000085862.4,Gm13483,lncRNA	0.04214861	0.8837341
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ENSMUSG00000050912.16,Tmem123,protein_coding	0.04206174	0.9257996
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ENSMUSG00000039473.9,Ubn1,protein_coding	0.04203352	0.6348018
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ENSMUSG00000072825.13,Cep170b,protein_coding	0.04192335	0.8536753
ENSMUSG00000023026.17,Dip2b,protein_coding	0.0418601	0.6559481
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ENSMUSG00000027455.17,Nsfl1c,protein_coding	0.04180784	0.7604303
ENSMUSG00000032641.19,Gpr19,protein_coding	0.04180044	0.8292695
ENSMUSG00000063919.12,Srrm4,protein_coding	0.04178899	0.8330538
ENSMUSG00000045316.6,Fahd1,protein_coding	0.04176532	0.868939
ENSMUSG00000025777.9,Gdap1,protein_coding	0.04176069	0.7967334
ENSMUSG00000039703.17,Nploc4,protein_coding	0.04172116	0.7218591
ENSMUSG00000063077.16,Kif1b,protein_coding	0.04168681	0.7626335

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ENSMUSG00000119206.1,Gm22317,snRNA	0.04167759	0.8617796
ENSMUSG00000026842.17,Abl1,protein_coding	0.0416472	0.7342104
ENSMUSG00000028100.12,Nudt17,protein_coding	0.04164645	0.9378095
ENSMUSG00000046991.13,Wdr27,protein_coding	0.04157548	0.8688523
ENSMUSG00000117399.3,Gm19689,lncRNA	0.04156258	0.9101543
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ENSMUSG00000049327.18,Kmt5a,protein_coding	0.04151931	0.8014491
ENSMUSG00000000948.17,Gm38393,protein_coding	0.04146953	0.864708
ENSMUSG00000022831.15,Hcls1,protein_coding	0.04146667	0.9768906
ENSMUSG00000031196.14,F8,protein_coding	0.04141986	0.8347206
ENSMUSG00000024459.19,H2-M5,protein_coding	0.04141573	0.9277779
ENSMUSG00000103761.2,Gm37859,TEC	0.04140211	0.9153704
ENSMUSG00000001632.17,Brpf1,protein_coding	0.04135073	0.8156618
ENSMUSG00000024037.14,Wdr4,protein_coding	0.0413421	0.7630266
ENSMUSG00000072437.5,Nanos1,protein_coding	0.04131211	0.8239863
ENSMUSG00000029730.17,Mcm7,protein_coding	0.04128269	0.9434457
ENSMUSG00000041762.17,Gpr155,protein_coding	0.04126909	0.8520095
ENSMUSG00000040687.17,Madd,protein_coding	0.04125579	0.8082729
ENSMUSG00000047417.19,Rexo1,protein_coding	0.04125054	0.7823221
ENSMUSG00000106292.2,Gm43174,TEC	0.04118847	0.8939913
ENSMUSG00000104398.2,Gm37964,TEC	0.04108995	0.887107
ENSMUSG00000039914.7,Coq10a,protein_coding	0.04104153	0.7854594
ENSMUSG00000111942.2,Gm5182,processed_pseudogene	0.04104011	0.8887038
ENSMUSG00000046897.18,Zfp740,protein_coding	0.04103866	0.7196701
ENSMUSG00000030486.10,Zfp108,protein_coding	0.04097941	0.8314041
ENSMUSG00000070509.16,Rgma,protein_coding	0.04097573	0.8450636
ENSMUSG00000047459.15,Dynlrb1,protein_coding	0.04093217	0.8411186
ENSMUSG00000104548.2,Gm43857,TEC	0.04090008	0.9065379
ENSMUSG00000039264.10,Gimap3,protein_coding	0.04089259	0.9789023
ENSMUSG00000036893.19,Ehmt1,protein_coding	0.04086221	0.7375414
ENSMUSG00000006676.18,Usp19,protein_coding	0.04083534	0.7157267
ENSMUSG00000059995.13,Atxn7l3,protein_coding	0.04081402	0.8379417
ENSMUSG00000030096.9,Slc6a6,protein_coding	0.04079766	0.7691848
ENSMUSG00000041164.16,Zmiz2,protein_coding	0.04074743	0.8065105
ENSMUSG00000060090.17,Rp2,protein_coding	0.04074243	0.8625159
ENSMUSG00000021532.12,Fastkd3,protein_coding	0.04072321	0.8270051
ENSMUSG00000113020.2,Gm48063,TEC	0.04069893	0.8802382
ENSMUSG00000042671.13,Rgs8,protein_coding	0.0406788	0.9008846
ENSMUSG00000018770.10,Atp5mc3,protein_coding	0.04066807	0.8074845
ENSMUSG00000048264.17,Dip2c,protein_coding	0.0406441	0.8035099
ENSMUSG00000124948.1,ENSMUSG00000124948,lncRNA	0.04064287	0.8903038
ENSMUSG00000037570.17,Mcrs1,protein_coding	0.04064172	0.8125819
ENSMUSG00000028990.14,Lzic,protein_coding	0.04063509	0.8174484
ENSMUSG00000054939.7,Zfp174,protein_coding	0.04063483	0.8057154
ENSMUSG00000026311.17,Asb1,protein_coding	0.04063349	0.7715196
ENSMUSG00000017747.14,Ghdc,protein_coding	0.04061546	0.8902901
ENSMUSG00000029439.15,Sfswap,protein_coding	0.04060437	0.7849118
ENSMUSG00000050079.11,Rspry1,protein_coding	0.04059167	0.7668719
ENSMUSG00000038240.14,Pdss2,protein_coding	0.04059085	0.7717396
ENSMUSG00000024012.19,Mtch1,protein_coding	0.04058026	0.8665484

ENSMUSG00000025001.12,Hells,protein_coding	0.04057106	0.956868
ENSMUSG00000047604.4,Frat2,protein_coding	0.04055867	0.8704748
ENSMUSG00000054302.17,Eapp,protein_coding	0.04055693	0.7080041
ENSMUSG00000113776.2,Gm19327,TEC	0.04055521	0.905044
ENSMUSG00000032118.17,Fez1,protein_coding	0.04052844	0.7835745
ENSMUSG00000034105.10,Meak7,protein_coding	0.04043754	0.8515688
ENSMUSG00000109363.2,Gm44668,TEC	0.04042392	0.8838376
ENSMUSG00000053552.15,Ebf4,protein_coding	0.04042139	0.9036562
ENSMUSG00000081944.2,Gm12276,processed_pseudogene	0.04039661	0.9372657
ENSMUSG00000076609.3,Igkc,IG_C_gene	0.04036639	0.9925414
ENSMUSG00000039079.2,Trhr2,protein_coding	0.04035625	0.9289063
ENSMUSG00000001507.17,Itga3,protein_coding	0.04035405	0.8590403
ENSMUSG00000026039.10,Sgo2a,protein_coding	0.04034093	0.9676216
ENSMUSG00000004530.13,Coro1c,protein_coding	0.04032367	0.7897553
ENSMUSG00000097039.11,Pvt1,lncRNA	0.04025124	0.8854935
ENSMUSG00000106010.2,Gm42616,TEC	0.040229	0.8760644
ENSMUSG00000019873.9,Reep3,protein_coding	0.04021109	0.8371858
ENSMUSG00000017778.15,Cox7c,protein_coding	0.04019549	0.8815665
ENSMUSG00000032307.17,Ube2q2,protein_coding	0.04018142	0.7919019
ENSMUSG00000024661.8,Fth1,protein_coding	0.04015278	0.7973064
ENSMUSG00000036478.9,Btg1,protein_coding	0.0401124	0.9158651
ENSMUSG00000036564.18,Ndrg4,protein_coding	0.04009673	0.8719948
ENSMUSG00000023150.15,Ivns1abp,protein_coding	0.04007052	0.8931691
ENSMUSG00000044320.15,1700001O22Rik,protein_coding	0.04005966	0.942014
ENSMUSG00000023020.4,Cox14,protein_coding	0.04004928	0.7780911
ENSMUSG00000049091.8,Sephs2,protein_coding	0.04004776	0.7953656
ENSMUSG00000018040.10,Rrp7a,protein_coding	0.04003057	0.8274329
ENSMUSG00000087088.5,Gm16638,lncRNA	0.03999132	0.8073783
ENSMUSG00000038437.12,Mllt6,protein_coding	0.03998578	0.7566915
ENSMUSG00000005986.17,Ankrd13d,protein_coding	0.03996135	0.8657108
ENSMUSG00000036898.17,Zfp157,protein_coding	0.03984779	0.7877188
ENSMUSG00000051811.15,Cox6b2,protein_coding	0.03983233	0.9418954
ENSMUSG00000039461.13,Tcta,protein_coding	0.03981795	0.8183879
ENSMUSG00000019988.8,Nedd1,protein_coding	0.03981641	0.9394083
ENSMUSG00000036845.13,Lin37,protein_coding	0.03978472	0.8869137
ENSMUSG00000040028.11,Elavl1,protein_coding	0.03976956	0.6837353
ENSMUSG00000001053.16,N4bp3,protein_coding	0.03976258	0.904443
ENSMUSG00000030321.17,Efcab12,protein_coding	0.03974884	0.9048588
ENSMUSG00000032812.19,Arap1,protein_coding	0.03968869	0.8289715
ENSMUSG00000029670.13,Ing3,protein_coding	0.03967033	0.8136666
ENSMUSG00000102863.2,Gm37639,TEC	0.03963941	0.8967667
ENSMUSG00000020388.13,Pdlim4,protein_coding	0.03963826	0.872306
ENSMUSG00000003452.16,Bicd1,protein_coding	0.03962028	0.8272022
ENSMUSG00000052957.9,Gas1,protein_coding	0.03961264	0.8623505
ENSMUSG00000031808.8,Slc27a1,protein_coding	0.03960791	0.8048957
ENSMUSG00000000058.7,Cav2,protein_coding	0.03958763	0.8921049
ENSMUSG00000001300.17,Efnb2,protein_coding	0.0395214	0.8723605
ENSMUSG00000110205.2,Gm33594,lncRNA	0.03950072	0.9335854
ENSMUSG00000120202.2,Gm57355,lncRNA	0.03947404	0.9049016
ENSMUSG00000057880.13,Abat,protein_coding	0.03946203	0.7966544
ENSMUSG00000108819.2,Gm45177,TEC	0.03945174	0.9236294
ENSMUSG00000029913.15,Prdm5,protein_coding	0.03943526	0.8399973

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ENSMUSG00000029098.18,Acox3,protein_coding	0.03938882	0.7807585
ENSMUSG00000073633.10,Fbxo36,protein_coding	0.03934809	0.9139869
ENSMUSG00000089704.10,Galnt2,protein_coding	0.03934325	0.8038539
ENSMUSG00000122274.1,Cdk6os1,lncRNA	0.03932214	0.969477
ENSMUSG00000024598.10,Fbn2,protein_coding	0.0392931	0.8699164
ENSMUSG00000070462.5,Tlnrd1,protein_coding	0.03928476	0.7655321
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ENSMUSG00000028973.19,Abcb8,protein_coding	0.03919886	0.8257463
ENSMUSG00000020527.15,Myo19,protein_coding	0.03917237	0.7984492
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ENSMUSG00000039523.17,Cep104,protein_coding	0.03915899	0.7432201
ENSMUSG00000058704.10,Memo1,protein_coding	0.0391128	0.861794
ENSMUSG00000037916.15,Ndufv1,protein_coding	0.03908924	0.8551353
ENSMUSG00000073565.6,Prr16,protein_coding	0.03901995	0.8830754
ENSMUSG00000021756.13,Il6st,protein_coding	0.03901119	0.7477733
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ENSMUSG00000028278.15,Rragd,protein_coding	0.0389347	0.8317565
ENSMUSG00000107951.2,Gm6210,processed_pseudogene	0.03891159	0.9441514
ENSMUSG00000030816.9,Rnf40,protein_coding	0.03890403	0.7746805
ENSMUSG00000035615.13,Frmpd1,protein_coding	0.03888413	0.8140822
ENSMUSG00000034063.10,4930590J08Rik,protein_coding	0.03884363	0.8770906
ENSMUSG00000024429.10,Gnl1,protein_coding	0.03883466	0.847725
ENSMUSG00000050555.10,Hyls1,protein_coding	0.03882102	0.8651883
ENSMUSG00000030059.16,Tmf1,protein_coding	0.0388159	0.7194222
ENSMUSG00000022263.11,Trio,protein_coding	0.03880809	0.7517336
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ENSMUSG00000037266.19,Rsrp1,protein_coding	0.03866721	0.7924059
ENSMUSG00000022474.16,Pmm1,protein_coding	0.03862551	0.8512947
ENSMUSG00000025358.17,Cdk2,protein_coding	0.03862337	0.9641172
ENSMUSG00000002017.11,Fam98a,protein_coding	0.0386096	0.7700598
ENSMUSG00000031902.11,Nfatc3,protein_coding	0.03859927	0.9084109
ENSMUSG00000036894.4,Rap2b,protein_coding	0.03856428	0.8622876
ENSMUSG00000058748.10,Zfp958,protein_coding	0.03856262	0.898827
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ENSMUSG00000023994.14,Nfya,protein_coding	0.03855214	0.856755
ENSMUSG00000029469.15,Ift81,protein_coding	0.0385518	0.7535246
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ENSMUSG00000026924.18,Sec16a,protein_coding	0.0384937	0.6948309
ENSMUSG00000102964.2,9430034N14Rik,TEC	0.03848505	0.8928145
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ENSMUSG00000031865.17,Dctn1,protein_coding	0.03841697	0.8525864
ENSMUSG00000022365.7,Derl1,protein_coding	0.03841396	0.8279146
ENSMUSG00000085793.4,Lin52,protein_coding	0.03838603	0.7692517
ENSMUSG00000047945.7,Marcksl1,protein_coding	0.03837979	0.8547916
ENSMUSG00000019790.18,Stxbp5,protein_coding	0.03836068	0.782459
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ENSMUSG00000057706.8,Mex3b,protein_coding	0.03825279	0.8579752
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ENSMUSG00000037344.15,Slc12a9,protein_coding	0.03815385	0.8000926
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ENSMUSG00000024045.7,Akap8,protein_coding	0.03764351	0.8047924
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ENSMUSG00000059898.10,Dsc3,protein_coding	0.03752392	0.9716391

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ENSMUSG00000022964.15,Tmem50b,protein_coding	0.03739899	0.7991044
ENSMUSG00000022400.10,Rbx1,protein_coding	0.03737488	0.7255241
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ENSMUSG00000085058.4,8030453O22Rik,lncRNA	0.03725348	0.9388859
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ENSMUSG00000030846.17,Tial1,protein_coding	0.036827	0.7589962
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ENSMUSG00000025237.17,Parp6,protein_coding	0.03679101	0.8182958
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ENSMUSG00000025269.17,Apex2,protein_coding	0.03674103	0.8701655
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ENSMUSG00000006906.11,Stambp,protein_coding	0.03671821	0.7429518
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ENSMUSG00000063146.12,Clip2,protein_coding	0.03644221	0.8479232
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ENSMUSG00000103646.2,Gm37706,TEC	0.03642742	0.8688826
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ENSMUSG00000101355.2,H3c10,protein_coding	0.03640849	0.9922211
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ENSMUSG00000020101.15,Vsir,protein_coding	0.03635144	0.8670177
ENSMUSG00000046351.12,Zfp322a,protein_coding	0.03631149	0.8246357
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ENSMUSG00000042308.15,Setd1a,protein_coding	0.03626327	0.7633059
ENSMUSG00000070304.14,Scn2b,protein_coding	0.03623221	0.8619451
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ENSMUSG00000031467.11,Agpat5,protein_coding	0.03611543	0.7908331
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ENSMUSG00000051590.11,Map3k19,protein_coding	0.03600055	0.8978572
ENSMUSG00000000439.10,Mkrn2,protein_coding	0.03599561	0.7696087
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ENSMUSG00000049281.17,Scn3b,protein_coding	0.03598813	0.8998513
ENSMUSG00000020515.14,Cnot8,protein_coding	0.03597113	0.8206865
ENSMUSG00000030088.16,Aldh1l1,protein_coding	0.03596651	0.8312208
ENSMUSG00000023892.9,Zfp51,protein_coding	0.03595965	0.9169474
ENSMUSG00000022010.20,Tsc22d1,protein_coding	0.0359553	0.8327461
ENSMUSG00000103472.2,Pcdhga7,protein_coding	0.03595286	0.8291363
ENSMUSG00000043131.15,Mob1a,protein_coding	0.03595213	0.9006098
ENSMUSG00000044030.5,Irf2bp1,protein_coding	0.03593522	0.8280857
ENSMUSG00000105893.2,Wdr46-ps,processed_pseudogene	0.03592995	0.9159237
ENSMUSG00000042138.10,Msantd2,protein_coding	0.03587018	0.8334329
ENSMUSG00000040396.13,Abhd13,protein_coding	0.03586122	0.8173968
ENSMUSG00000038264.9,Sema7a,protein_coding	0.03582851	0.8135468
ENSMUSG00000022812.15,Gsk3b,protein_coding	0.03580501	0.7733066
ENSMUSG00000042834.16,Nrep,protein_coding	0.03579547	0.922402
ENSMUSG00000097140.2,Gm26779,lncRNA	0.03579419	0.9322798
ENSMUSG00000049300.12,Prmt6,protein_coding	0.03573706	0.8689349
ENSMUSG00000024758.16,Rtn3,protein_coding	0.0357201	0.8441697

ENSMUSG00000038037.6,Socs1,protein_coding	0.03571683	0.9697267
ENSMUSG00000020741.18,Cluh,protein_coding	0.03568601	0.8099905
ENSMUSG00000052479.7,A330008L17Rik,lncRNA	0.03564046	0.9046154
ENSMUSG00000114602.2,Gm49223,lncRNA	0.03563266	0.9276089
ENSMUSG00000055125.9,M5C1000I18Rik,lncRNA	0.03562504	0.904227
ENSMUSG00000097536.4,2610037D02Rik,lncRNA	0.03562071	0.9079047
ENSMUSG00000037060.4,Cavin3,protein_coding	0.03561945	0.8596476
ENSMUSG00000030199.17,Etv6,protein_coding	0.03560293	0.8256451
ENSMUSG00000002980.15,Bcam,protein_coding	0.03557555	0.9089391
ENSMUSG00000028101.19,Pias3,protein_coding	0.03556202	0.8482583
ENSMUSG00000038002.10,Cramp1,protein_coding	0.03553364	0.7397697
ENSMUSG00000006576.17,Slc4a3,protein_coding	0.03552347	0.8681163
ENSMUSG00000022105.7,Rb1,protein_coding	0.03547123	0.8740212
ENSMUSG00000102293.2,Gm37541,TEC	0.0354396	0.8941899
ENSMUSG00000070047.15,Fat1,protein_coding	0.03541953	0.8932508
ENSMUSG00000097299.3,Gm26654,lncRNA	0.03538997	0.960242
ENSMUSG00000109418.2,Gm44800,TEC	0.03538142	0.8899401
ENSMUSG00000029608.11,Rph3a,protein_coding	0.03537964	0.8564748
ENSMUSG00000033308.17,Dpyd,protein_coding	0.03530146	0.8575348
ENSMUSG00000056185.6,Snx32,protein_coding	0.03530055	0.8529579
ENSMUSG00000071856.11,Mcc,protein_coding	0.03529613	0.8553175
ENSMUSG00000064181.7,Rab3ip,protein_coding	0.03527961	0.8143796
ENSMUSG00000049791.5,Fzd4,protein_coding	0.03525708	0.8764145
ENSMUSG00000064373.14,Selenop,protein_coding	0.03524959	0.8155099
ENSMUSG00000030824.18,Nucb1,protein_coding	0.03523428	0.8404284
ENSMUSG00000113269.2,Gm47494,TEC	0.03521633	0.9214906
ENSMUSG00000024234.8,Mtpap,protein_coding	0.03521581	0.8110767
ENSMUSG00000037259.16,Dzank1,protein_coding	0.03517837	0.8796948
ENSMUSG00000030341.18,Tnfrsf1a,protein_coding	0.03516544	0.9018169
ENSMUSG00000028931.13,Kcnab2,protein_coding	0.03514493	0.8789028
ENSMUSG00000033491.15,Prss35,protein_coding	0.03513369	0.8766792
ENSMUSG00000030087.12,Klf15,protein_coding	0.03509659	0.8657626
ENSMUSG00000006423.16,Steep1,protein_coding	0.03509404	0.7750976
ENSMUSG00000018900.8,Slc22a5,protein_coding	0.03506971	0.8344342
ENSMUSG00000028207.19,Asph,protein_coding	0.03499457	0.8818217
ENSMUSG00000112003.2,Gm4864,processed_pseudogene	0.03498694	0.9525319
ENSMUSG00000029787.11,Avl9,protein_coding	0.034972	0.8060008
ENSMUSG00000021140.10,Pcnx1,protein_coding	0.03496325	0.7745405
ENSMUSG00000019861.16,Gopc,protein_coding	0.03496076	0.8028395
ENSMUSG00000097767.11,Miat,lncRNA	0.03489582	0.9127899
ENSMUSG00000025855.14,Prkar1b,protein_coding	0.03489396	0.8949083
ENSMUSG00000036061.11,Smug1,protein_coding	0.03488946	0.8065201
ENSMUSG00000107128.2,Gm42867,TEC	0.03485148	0.9094944
ENSMUSG00000038563.15,Efl1,protein_coding	0.034825	0.8017817
ENSMUSG00000142703.1,ENSMUSG00000142703,lncRNA	0.03476906	0.8762555
ENSMUSG00000024006.18,Stk38,protein_coding	0.0347686	0.8229926
ENSMUSG00000033728.15,Lrrc14,protein_coding	0.03473432	0.7975454
ENSMUSG00000045248.7,Med26,protein_coding	0.0347081	0.8607005
ENSMUSG00000051224.14,Tceanc,protein_coding	0.03469791	0.9410139
ENSMUSG00000049148.9,Plcxd3,protein_coding	0.03468708	0.9018523
ENSMUSG00000052852.9,Reep1,protein_coding	0.03465658	0.8453201
ENSMUSG00000108055.2,Gm43876,TEC	0.03458849	0.8753181

ENSMUSG00000046997.6,Spsb4,protein_coding	0.0345695	0.8991901
ENSMUSG00000103693.2,Gm37529,lncRNA	0.03455896	0.9168125
ENSMUSG00000032312.8,Csk,protein_coding	0.03453559	0.9295384
ENSMUSG00000024844.16,Banf1,protein_coding	0.03452293	0.8753593
ENSMUSG00000023030.17,Slc11a2,protein_coding	0.03451403	0.7998855
ENSMUSG00000022946.11,Dop1b,protein_coding	0.03449767	0.7885298
ENSMUSG00000057322.13,Rpl38,protein_coding	0.03449658	0.9071007
ENSMUSG00000058385.9,H2bc8,protein_coding	0.03445327	0.9750456
ENSMUSG00000041264.17,Uspl1,protein_coding	0.03441377	0.8109197
ENSMUSG00000056592.15,Zfp175,protein_coding	0.03438507	0.8862095
ENSMUSG00000046027.18,Stard5,protein_coding	0.03436975	0.9039045
ENSMUSG00000021994.16,Wnt5a,protein_coding	0.03433025	0.8620459
ENSMUSG00000027628.11,Aar2,protein_coding	0.03432259	0.8156563
ENSMUSG00000034673.15,Pbx2,protein_coding	0.03431888	0.8042147
ENSMUSG00000037373.13,Ctbp1,protein_coding	0.03431716	0.7945602
ENSMUSG00000031734.14,Irx3,protein_coding	0.03431176	0.9491829
ENSMUSG00000056158.15,Car10,protein_coding	0.03419858	0.8653239
ENSMUSG00000059325.15,Hopx,protein_coding	0.03418646	0.9244108
ENSMUSG00000002897.6,Il17ra,protein_coding	0.03417274	0.9157617
ENSMUSG00000086509.4,Nkx2-2os,lncRNA	0.03413976	0.923835
ENSMUSG00000029625.17,Cpsf4,protein_coding	0.03410452	0.823065
ENSMUSG00000022346.18,Myc,protein_coding	0.03409089	0.9708194
ENSMUSG00000024095.17,Hnrnpll,protein_coding	0.03407428	0.8450124
ENSMUSG00000019838.12,Slc16a10,protein_coding	0.03406622	0.879888
ENSMUSG00000035683.14,Melk,protein_coding	0.03405596	0.9831521
ENSMUSG00000105950.2,Gm43679,TEC	0.03404198	0.8601821
ENSMUSG00000021198.17,Unc79,protein_coding	0.03403327	0.8597169
ENSMUSG00000056938.18,Acbd4,protein_coding	0.03400627	0.8271377
ENSMUSG00000116795.2,Gm49600,TEC	0.03398922	0.9243296
ENSMUSG00000108317.2,Gm44663,TEC	0.03398021	0.9430681
ENSMUSG00000028949.14,Smarcd3,protein_coding	0.03397978	0.897696
ENSMUSG00000047539.10,Fbxo28,protein_coding	0.03397357	0.7487662
ENSMUSG00000003813.16,Rad23a,protein_coding	0.03395757	0.8201259
ENSMUSG00000044469.9,Tnfaip8l1,protein_coding	0.03393944	0.9195569
ENSMUSG00000047307.3,Pcdhb13,protein_coding	0.03393505	0.8769694
ENSMUSG00000046410.11,Kcnk6,protein_coding	0.03386972	0.9221889
ENSMUSG00000075585.5,6330403L08Rik,lncRNA	0.03379659	0.8755993
ENSMUSG00000019923.15,Zwint,protein_coding	0.03378808	0.8514566
ENSMUSG00000068040.11,Tm9sf4,protein_coding	0.0337195	0.7567383
ENSMUSG00000068394.5,Cep152,protein_coding	0.03371654	0.9112322
ENSMUSG00000038909.18,Kat7,protein_coding	0.03368935	0.7838281
ENSMUSG00000038605.12,Samd10,protein_coding	0.03368443	0.8596833
ENSMUSG00000034586.15,Hid1,protein_coding	0.03368264	0.8735065
ENSMUSG00000029060.18,Mib2,protein_coding	0.03365868	0.8617333
ENSMUSG00000031310.17,Zmym3,protein_coding	0.03363934	0.8562426
ENSMUSG00000030000.11,Add2,protein_coding	0.0336212	0.879767
ENSMUSG00000004100.13,Ppan,protein_coding	0.03362095	0.9032248
ENSMUSG00000119320.1,Snora70,snoRNA	0.03361741	0.8981193
ENSMUSG00000020271.18,Fbxw11,protein_coding	0.03360868	0.7796596
ENSMUSG00000030111.10,A2m,protein_coding	0.03358844	0.9405416
ENSMUSG00000025421.16,Hdhd2,protein_coding	0.03358134	0.8069335
ENSMUSG00000050796.5,B3galt6,protein_coding	0.03357515	0.8828411

ENSMUSG00000000902.14,Smarcb1,protein_coding	0.03354081	0.7710985
ENSMUSG00000021990.17,Spata13,protein_coding	0.0335099	0.8695069
ENSMUSG00000038740.10,Mvb12b,protein_coding	0.03350895	0.8316605
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ENSMUSG00000004070.16,Hmox2,protein_coding	0.03350239	0.8443671
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ENSMUSG00000057469.9,E2f6,protein_coding	0.03328745	0.7302506
ENSMUSG00000107120.2,Gm43059,TEC	0.03326442	0.8800626
ENSMUSG00000031766.5,Slc12a3,protein_coding	0.03324272	0.9477809
ENSMUSG00000069089.9,Cdk7,protein_coding	0.03324025	0.8328189
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ENSMUSG00000034602.16,Mon2,protein_coding	0.03320541	0.7254461
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ENSMUSG00000025128.8,Bhlhe22,protein_coding	0.03305286	0.9184099
ENSMUSG00000029621.15,Arpc1a,protein_coding	0.03304222	0.8488793
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ENSMUSG00000020390.13,Ube2b,protein_coding	0.03301894	0.8001346
ENSMUSG00000140515.1,ENSMUSG00000140515,lncRNA	0.03301729	0.9152861
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ENSMUSG00000021264.13,Yy1,protein_coding	0.03291551	0.7954591
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ENSMUSG00000074282.11,Zfp94,protein_coding	0.03290026	0.8724507
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ENSMUSG00000102312.2,Pcdha3,protein_coding	0.0328651	0.9012445
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ENSMUSG00000019845.9,Tube1,protein_coding	0.03283969	0.8933291
ENSMUSG00000056222.16,Spock1,protein_coding	0.0328077	0.8290804
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ENSMUSG00000022453.9,Naga,protein_coding	0.03277758	0.8895805
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ENSMUSG00000042628.9,Zfyve1,protein_coding	0.03274553	0.7838608

ENSMUSG00000025473.17,Adam8,protein_coding	0.03273195	0.9215769
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ENSMUSG00000030682.5,Cdipt,protein_coding	0.03271955	0.8610348
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ENSMUSG00000041439.16,Mfsd6,protein_coding	0.03242702	0.8131835
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ENSMUSG00000019487.12,Trip10,protein_coding	0.03240398	0.9254043
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ENSMUSG00000028964.15,Park7,protein_coding	0.03212679	0.8662293
ENSMUSG00000103611.2,Gm37195,TEC	0.03210769	0.8587446
ENSMUSG00000104867.2,Gm43728,lncRNA	0.03209591	0.9296094
ENSMUSG00000039917.11,Rhbdd2,protein_coding	0.032066	0.8548159
ENSMUSG00000049470.14,Aff4,protein_coding	0.03206398	0.7497959
ENSMUSG00000028041.18,Adam15,protein_coding	0.03202581	0.8611543
ENSMUSG00000031730.19,Dhodh,protein_coding	0.0320059	0.8355598
ENSMUSG00002075512.1,Gm55400,misc_RNA	0.03199626	0.9531253
ENSMUSG00000027332.12,Ivd,protein_coding	0.03198694	0.8128851
ENSMUSG00000057858.9,Fam204a,protein_coding	0.03196981	0.8309747
ENSMUSG00000030835.7,Nomo1,protein_coding	0.0319627	0.8184101
ENSMUSG00000088208.3,Gm23751,scaRNA	0.03190924	0.9353513
ENSMUSG00000106739.2,Gm43499,TEC	0.03185586	0.9819997
ENSMUSG00000059811.14,Atl2,protein_coding	0.03180695	0.8578324
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ENSMUSG00000028801.15,Stpg1,protein_coding	0.03171132	0.9556826
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ENSMUSG00000040697.11,Dnajc16,protein_coding	0.03169729	0.8468642
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ENSMUSG00000050272.11,Dscam,protein_coding	0.03166434	0.8850347
ENSMUSG00000020354.16,Sgcd,protein_coding	0.03165115	0.8894547
ENSMUSG00000061778.11,Mospd2,protein_coding	0.03161801	0.8521658
ENSMUSG00000049957.15,Ccdc137,protein_coding	0.03160271	0.8126136

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ENSMUSG00000030509.18,Asb7,protein_coding	0.03156016	0.8100645
ENSMUSG00000040570.15,Rundc3b,protein_coding	0.03155049	0.8797761
ENSMUSG00000019235.10,Rps6kl1,protein_coding	0.03147373	0.8974404
ENSMUSG00000055745.5,Rtl6,protein_coding	0.03144348	0.8947756
ENSMUSG00000110320.3,Gm31152,lncRNA	0.03143138	0.9426993
ENSMUSG00000031150.14,Ccdc120,protein_coding	0.03141281	0.8872459
ENSMUSG00000056515.10,Rab31,protein_coding	0.031388	0.7667659
ENSMUSG00000027405.17,Nop56,protein_coding	0.03137918	0.8764013
ENSMUSG00000101856.3,1700096K18Rik,lncRNA	0.03137104	0.9463108
ENSMUSG00000049119.15,Fam110b,protein_coding	0.03129888	0.8550963
ENSMUSG00000032652.14,Crebl2,protein_coding	0.03129187	0.8344013
ENSMUSG00000045967.12,Gpr158,protein_coding	0.03128121	0.8641635
ENSMUSG00000068134.15,Zfp120,protein_coding	0.03121451	0.8928924
ENSMUSG00000033487.15,Fndc3a,protein_coding	0.03114984	0.8069813
ENSMUSG00000022753.16,Tmem30c,protein_coding	0.03113926	0.9398164
ENSMUSG00000029330.9,Cds1,protein_coding	0.03111216	0.8633778
ENSMUSG00000073418.5,C4b,protein_coding	0.03107679	0.9519237
ENSMUSG00000040631.9,Dok4,protein_coding	0.03107623	0.9147315
ENSMUSG00000108004.2,Gm44080,TEC	0.0310709	0.9399209
ENSMUSG00000036748.17,Cuedc2,protein_coding	0.03106781	0.8823709
ENSMUSG00000041977.19,Arhgef11,protein_coding	0.03103704	0.8095134
ENSMUSG00000021893.15,Capn7,protein_coding	0.03103408	0.7894383
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ENSMUSG00000033065.15,Pfkm,protein_coding	0.03099039	0.8680025
ENSMUSG00000024516.14,Sec11c,protein_coding	0.03097944	0.8641409
ENSMUSG00000028010.17,Gar1,protein_coding	0.03097703	0.9139742
ENSMUSG00000031826.21,Usp10,protein_coding	0.03097466	0.7876887
ENSMUSG00000027194.17,Ttc17,protein_coding	0.03097394	0.7920832
ENSMUSG00000037499.10,Nenf,protein_coding	0.03093455	0.9059262
ENSMUSG00000039201.11,Tbc1d25,protein_coding	0.03091821	0.8861971
ENSMUSG00000023008.19,Fmnl3,protein_coding	0.03089232	0.9528454
ENSMUSG00000078234.7,Klhdc7a,protein_coding	0.03089086	0.8808598
ENSMUSG00000035390.17,Brsk1,protein_coding	0.03087015	0.8886988
ENSMUSG00000036792.13,Mbd5,protein_coding	0.03085239	0.8076185
ENSMUSG00000035529.11,Prdm4,protein_coding	0.03083356	0.8171513
ENSMUSG00000034940.16,Synrg,protein_coding	0.03081826	0.7684696
ENSMUSG00000048332.14,Lhfpl6,protein_coding	0.03081097	0.9199127
ENSMUSG00000033047.6,Eif3l,protein_coding	0.03072641	0.893092
ENSMUSG00000041773.9,Enc1,protein_coding	0.0307215	0.925103
ENSMUSG00000057914.16,Cacnb2,protein_coding	0.03068782	0.8368527
ENSMUSG00000128487.1,ENSMUSG00000128487,lncRNA	0.03066786	0.9505923
ENSMUSG00000091549.2,Gm6548,processed_pseudogene	0.03061562	0.9435423
ENSMUSG00000057572.16,Zbtb8os,protein_coding	0.03060967	0.86389
ENSMUSG00000114715.3,Gm34471,lncRNA	0.03057691	0.9578727
ENSMUSG00000117183.2,Gm20008,transcribed_processed_pseudogene	0.03053952	0.9360323
ENSMUSG00000054263.13,Lifr,protein_coding	0.03052594	0.8401593
ENSMUSG00000020198.9,Ap3d1,protein_coding	0.03051906	0.8041465
ENSMUSG00000035642.17,Aamdc,protein_coding	0.03050305	0.856492
ENSMUSG00000029610.14,Aimp2,protein_coding	0.03048666	0.8856953
ENSMUSG00000000420.16,Galnt1,protein_coding	0.03047287	0.85228

ENSMUSG00000091514.5,Gm17484,lncRNA	0.03046796	0.8584188
ENSMUSG00000140363.1,ENSMUSG00000140363,lncRNA	0.03046665	0.9560276
ENSMUSG00000022194.16,Pabpn1,protein_coding	0.03046237	0.8109543
ENSMUSG00000034911.9,Ushbp1,protein_coding	0.03045105	0.8996381
ENSMUSG00000047514.7,Tspyl1,protein_coding	0.03044727	0.8230003
ENSMUSG00000046962.17,Zbtb21,protein_coding	0.03043257	0.7559736
ENSMUSG00000033610.17,Pank1,protein_coding	0.03040036	0.7979977
ENSMUSG00000024824.8,Rad9a,protein_coding	0.03038963	0.8967509
ENSMUSG00000025241.17,Fyco1,protein_coding	0.03038482	0.8213566
ENSMUSG00000019302.18,Atp6v0a1,protein_coding	0.03034922	0.8567914
ENSMUSG00000002496.11,Tsc2,protein_coding	0.03029892	0.8331797
ENSMUSG00000053094.16,Tmem248,protein_coding	0.03027413	0.8010691
ENSMUSG00000102411.2,Gm36936,TEC	0.03019307	0.880325
ENSMUSG00000074358.10,Ccdc61,protein_coding	0.03017753	0.9120092
ENSMUSG00000042258.14,Isl1,protein_coding	0.03017678	0.9543677
ENSMUSG00000035007.6,Rundc1,protein_coding	0.03011823	0.8644946
ENSMUSG00000037503.13,Fam168b,protein_coding	0.03011744	0.8004042
ENSMUSG00000091623.4,Gm17092,lncRNA	0.03011523	0.955077
ENSMUSG00000085687.2,Gm16153,lncRNA	0.03008173	0.9412806
ENSMUSG00000004661.16,Arid3b,protein_coding	0.03007734	0.8904983
ENSMUSG00000045053.3,Kcng3,protein_coding	0.03007579	0.9414939
ENSMUSG00000075702.11,Selenom,protein_coding	0.03007415	0.9032279
ENSMUSG00000026202.14,Tuba4a,protein_coding	0.03003047	0.8940014
ENSMUSG00000021076.7,Actr10,protein_coding	0.03002462	0.8521026
ENSMUSG00000103677.2,Pcdhga4,protein_coding	0.03001725	0.8699219
ENSMUSG00000038126.18,Mphosph9,protein_coding	0.03001247	0.8500468
ENSMUSG00000022570.8,Gfus,protein_coding	0.03000375	0.9069206
ENSMUSG00000040940.19,Arhgef1,protein_coding	0.02999768	0.9101821
ENSMUSG00000123227.1,ENSMUSG00000123227,lncRNA	0.02995876	0.9495444
ENSMUSG00000026134.12,Prim2,protein_coding	0.02994482	0.9236409
ENSMUSG00000005640.13,Insrr,protein_coding	0.02992368	0.954203
ENSMUSG00000102627.2,Snurf,protein_coding	0.02989732	0.9126012
ENSMUSG00000028017.8,Egf,protein_coding	0.02989682	0.9340404
ENSMUSG00000025142.19,Aspscr1,protein_coding	0.02988994	0.838288
ENSMUSG00000032431.7,Crtap,protein_coding	0.02987811	0.9311457
ENSMUSG00000022841.16,Ap2m1,protein_coding	0.02986792	0.8915099
ENSMUSG00000056941.18,Commd7,protein_coding	0.02983602	0.8257505
ENSMUSG00000042046.16,Dstyk,protein_coding	0.02983076	0.8228745
ENSMUSG00000028383.18,Hsdl2,protein_coding	0.02982039	0.8736829
ENSMUSG00000061414.9,Cracr2a,protein_coding	0.02981516	0.9247536
ENSMUSG00000026790.20,Odf2,protein_coding	0.02980407	0.8736261
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ENSMUSG00000030347.7,D6Wsu163e,protein_coding	0.02976991	0.8441318
ENSMUSG00000019579.14,Mydgf,protein_coding	0.02976906	0.8445782
ENSMUSG00000017453.5,Pipox,protein_coding	0.02970986	0.9575126
ENSMUSG00000035847.16,Ids,protein_coding	0.02964865	0.8798562
ENSMUSG00000134859.1,ENSMUSG00000134859,lncRNA	0.02960553	0.9500931
ENSMUSG00000006050.13,Sra1,protein_coding	0.02959519	0.8495157
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ENSMUSG00000031023.6,Akip1,protein_coding	0.02955633	0.952122

ENSMUSG00000042502.11,Cd2bp2,protein_coding	0.02955442	0.8342502
ENSMUSG00000033972.10,Zfp944,protein_coding	0.02953064	0.9452228
ENSMUSG00000028894.19,Inpp5b,protein_coding	0.02951647	0.8177103
ENSMUSG00000018340.14,Anxa6,protein_coding	0.02947568	0.8563506
ENSMUSG00000059495.15,Arhgef12,protein_coding	0.02947505	0.7865709
ENSMUSG00000029053.17,Prkcz,protein_coding	0.02946401	0.874934
ENSMUSG00000097057.2,Gm17638,lncRNA	0.0294589	0.9588551
ENSMUSG00000025212.18,Sfxn3,protein_coding	0.02945793	0.8819516
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ENSMUSG00000034343.15,Ube2f,protein_coding	0.02944444	0.7958586
ENSMUSG00000026185.9,Igfbp5,protein_coding	0.02943344	0.8608354
ENSMUSG00000032115.15,Hyou1,protein_coding	0.02939675	0.8568146
ENSMUSG00000041308.7,Sntb2,protein_coding	0.02939344	0.8892068
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ENSMUSG00000055435.7,Maf,protein_coding	0.02938319	0.9135241
ENSMUSG00000105935.2,Gm43628,TEC	0.02936318	0.9194545
ENSMUSG00000100707.2,Gm28523,lncRNA	0.02933717	0.944601
ENSMUSG00000037579.8,Kcnh3,protein_coding	0.02933468	0.9294491
ENSMUSG00000052833.10,Sae1,protein_coding	0.02932819	0.8603065
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ENSMUSG00000022516.11,Nudt16l1,protein_coding	0.02930545	0.8444702
ENSMUSG00000051506.18,Wdfy4,protein_coding	0.0292966	0.9824752
ENSMUSG00000021180.10,Rps6ka5,protein_coding	0.02929418	0.8479957
ENSMUSG00000008575.18,Nfib,protein_coding	0.02929368	0.8947919
ENSMUSG00000049775.17,Tmsb4x,protein_coding	0.02928799	0.8839351
ENSMUSG00000028522.17,Mier1,protein_coding	0.0292642	0.8775015
ENSMUSG00000024030.8,Abcg1,protein_coding	0.02924282	0.7744316
ENSMUSG00000029538.15,Srsf9,protein_coding	0.0291781	0.8328012
ENSMUSG00000021614.17,Vcan,protein_coding	0.02915805	0.8613185
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ENSMUSG00000021395.12,Spin1,protein_coding	0.02905643	0.855683
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ENSMUSG00000003534.18,Ddr1,protein_coding	0.02902821	0.8567756
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ENSMUSG00000021900.11,Btd,protein_coding	0.02894515	0.895237
ENSMUSG00000120546.2,Gm34343,lncRNA	0.02888775	0.9344813
ENSMUSG00000025151.17,Maged1,protein_coding	0.02888658	0.8963522
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ENSMUSG00000033423.17,Eri3,protein_coding	0.02886007	0.8752593
ENSMUSG00000086844.4,B230206H07Rik,lncRNA	0.02883597	0.9250847
ENSMUSG00000009418.18,Nav1,protein_coding	0.02883216	0.8750005
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ENSMUSG00000038451.14,Spsb2,protein_coding	0.02881268	0.9358244
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ENSMUSG00000026516.9,Nvl,protein_coding	0.02879247	0.8985926
ENSMUSG00000025854.16,Fam20c,protein_coding	0.02878389	0.8988328
ENSMUSG00000003731.14,Kpna6,protein_coding	0.02877164	0.7900196
ENSMUSG00000031967.16,Afg3l1,protein_coding	0.02877119	0.8002572
ENSMUSG00000028191.12,Bcl10,protein_coding	0.02876324	0.9367802

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ENSMUSG00000034723.12,Tmx4,protein_coding	0.02869321	0.8424886
ENSMUSG00000026171.13,Rnf25,protein_coding	0.02868629	0.8529997
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ENSMUSG00000021687.15,Scamp1,protein_coding	0.02861421	0.8636975
ENSMUSG00000034891.14,Sncb,protein_coding	0.02859651	0.8969975
ENSMUSG00000054400.17,Cklf,protein_coding	0.02858565	0.92321
ENSMUSG00000033075.18,Senp1,protein_coding	0.02856407	0.9165367
ENSMUSG00000118552.2,Rplp2-ps1,protein_coding	0.02855755	0.9738581
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ENSMUSG00000039233.13,Tbce,protein_coding	0.02821722	0.8506205
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ENSMUSG00000118730.1,Gm25157,snoRNA	0.0280579	0.9577995
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ENSMUSG00000119091.1,Gm22258,snoRNA	0.0280579	0.9577995
ENSMUSG00000081516.2,Gm12470,processed_pseudogene	0.02805691	0.9359737
ENSMUSG00000046287.8,Pnma3,protein_coding	0.02801795	0.9254507
ENSMUSG00000034111.7,Tmed8,protein_coding	0.02800968	0.8016933
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ENSMUSG00000068566.14,Myadm,protein_coding	0.02790766	0.8568769
ENSMUSG00000002741.10,Ykt6,protein_coding	0.02790364	0.8474526
ENSMUSG00000106149.2,Gm43430,TEC	0.02790285	0.9062002
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ENSMUSG00000043391.11,2510009E07Rik,protein_coding	0.02742809	0.8161081
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ENSMUSG00000030400.18,Ercc2,protein_coding	0.02721294	0.87339
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ENSMUSG00000048271.15,Rbm33,protein_coding	0.02706521	0.838931
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ENSMUSG00000107804.2,Gm44439,TEC	0.0270284	0.9394759
ENSMUSG00000028869.14,Gnl2,protein_coding	0.02692101	0.8462598
ENSMUSG00000136702.1,ENSMUSG00000136702,lncRNA	0.02690869	0.9194894
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ENSMUSG00000039740.7,Alg2,protein_coding	0.02688866	0.856238
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ENSMUSG00000020307.17,Cdc34,protein_coding	0.02680915	0.8741235
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ENSMUSG00000021071.18,Trim9,protein_coding	0.02679209	0.8887444
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ENSMUSG00000120104.2,4122401K19Rik,lncRNA	0.02676176	0.9165728
ENSMUSG00000021203.16,Otub2,protein_coding	0.02675219	0.8785085
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ENSMUSG00000029088.17,Kcnip4,protein_coding	0.02663881	0.8875714
ENSMUSG00000030350.9,Prmt8,protein_coding	0.02663538	0.9029259
ENSMUSG00000025085.17,Ablim1,protein_coding	0.02660893	0.8839847
ENSMUSG00000026764.16,Kif5c,protein_coding	0.02660364	0.8843971
ENSMUSG00000116397.2,Gm49525,TEC	0.02657554	0.9588122
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ENSMUSG00000022438.7,Parvb,protein_coding	0.02652761	0.8895618
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ENSMUSG00000029480.14,Dhx37,protein_coding	0.02650936	0.9055505
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ENSMUSG00000035863.15,Palm,protein_coding	0.02648833	0.9062635
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ENSMUSG00000074748.4,Atxn7l3b,protein_coding	0.02646447	0.8271803
ENSMUSG00000026281.16,Dtymk,protein_coding	0.02644357	0.9087195
ENSMUSG00000061689.16,Dlgap4,protein_coding	0.02641528	0.8985249
ENSMUSG00000046387.6,Pcdhb17,protein_coding	0.02639801	0.8550393
ENSMUSG00000032299.11,Commd4,protein_coding	0.02632916	0.8745981
ENSMUSG00000033760.18,Rbm4b,protein_coding	0.0263252	0.8490032
ENSMUSG00000030592.20,Ryr1,protein_coding	0.0263158	0.911049
ENSMUSG00000031078.16,Cttn,protein_coding	0.02629655	0.8847598
ENSMUSG00000061410.7,Zcchc14,protein_coding	0.02625798	0.8878044
ENSMUSG00000041115.19,Iqsec2,protein_coding	0.02624501	0.9043132
ENSMUSG00000022802.3,Lmln,protein_coding	0.0262337	0.8662805
ENSMUSG00000116936.2,Bod1-ps,processed_pseudogene	0.02623089	0.9589344
ENSMUSG00000026181.14,Ppm1f,protein_coding	0.02621198	0.8642647
ENSMUSG00000002763.17,Pex6,protein_coding	0.02618497	0.8880379
ENSMUSG00000022772.13,Senp5,protein_coding	0.02615821	0.7797372
ENSMUSG00000021098.16,4930447C04Rik,protein_coding	0.02613	0.8953475
ENSMUSG00000037151.9,Lrrc20,protein_coding	0.02610838	0.9133853
ENSMUSG00000018411.18,Mapt,protein_coding	0.02607172	0.8798887
ENSMUSG00000034254.18,Agpat1,protein_coding	0.02607164	0.89564
ENSMUSG00000103509.2,Gm38372,TEC	0.02606254	0.907949
ENSMUSG00000001707.9,Eef1e1,protein_coding	0.02601901	0.889018
ENSMUSG00000009563.17,Tor2a,protein_coding	0.02600772	0.869884
ENSMUSG00000020413.12,Hus1,protein_coding	0.02600098	0.880876
ENSMUSG00000094832.2,Gm21846,TEC	0.02597815	0.9133844
ENSMUSG00000043587.16,Pxylp1,protein_coding	0.02587283	0.9168061
ENSMUSG00000116604.2,Gm49745,lncRNA	0.02582664	0.9536716
ENSMUSG00000032549.8,Rab6b,protein_coding	0.02581029	0.9074549
ENSMUSG00000030760.15,Acer3,protein_coding	0.02579416	0.8535147
ENSMUSG00000031657.17,Heatr3,protein_coding	0.0257885	0.8148283
ENSMUSG00000024897.10,Apba1,protein_coding	0.02577838	0.8898026
ENSMUSG00000032103.11,Pus3,protein_coding	0.02577569	0.8886425
ENSMUSG00000023460.15,Rab12,protein_coding	0.02575316	0.8395603
ENSMUSG00000063972.14,Nr6a1,protein_coding	0.02574058	0.8435926

ENSMUSG00000091896.10,Ube2d2a,protein_coding	0.02571342	0.8521455
ENSMUSG00000087174.10,5530601H04Rik,lncRNA	0.02565857	0.890088
ENSMUSG00000024725.14,Ostf1,protein_coding	0.02563433	0.9379953
ENSMUSG00000040112.10,Mrps35,protein_coding	0.02562776	0.8304909
ENSMUSG00000062563.16,Cys1,protein_coding	0.02561846	0.9194409
ENSMUSG00000020099.9,Unc5b,protein_coding	0.0255928	0.8976651
ENSMUSG00000028284.14,Map3k7,protein_coding	0.02558545	0.8241499
ENSMUSG00000044617.9,Zbtb39,protein_coding	0.02557242	0.8520211
ENSMUSG00000034083.17,Ccdc174,protein_coding	0.02554099	0.8081309
ENSMUSG00000063488.7,Zkscan7,protein_coding	0.0255251	0.9069751
ENSMUSG00000030245.11,Golt1b,protein_coding	0.02548836	0.8324062
ENSMUSG00000046793.9,Gpr61,protein_coding	0.02544453	0.9201483
ENSMUSG00000032172.9,Olfm2,protein_coding	0.02543145	0.927362
ENSMUSG00000002064.11,Sdf2,protein_coding	0.02542329	0.9002798
ENSMUSG00000033159.15,Cnppd1,protein_coding	0.02535148	0.8781929
ENSMUSG00000104661.2,Gm42768,TEC	0.0253498	0.930525
ENSMUSG00000058301.9,Upf1,protein_coding	0.02534666	0.8628096
ENSMUSG00000113070.2,Gm48420,lncRNA	0.02534383	0.9366644
ENSMUSG00000039683.17,Sdk1,protein_coding	0.02533472	0.9235074
ENSMUSG00000019775.18,Rgs17,protein_coding	0.02532826	0.8879385
ENSMUSG00000100287.3,Gm28068,lncRNA	0.02527626	0.9830114
ENSMUSG00000002222.15,Rmnd5a,protein_coding	0.02526832	0.8740972
ENSMUSG00000034161.9,Scx,protein_coding	0.02526667	0.9551187
ENSMUSG00000024960.10,Plcb3,protein_coding	0.02525561	0.914611
ENSMUSG00000094410.9,Zbed6,protein_coding	0.02525037	0.8845844
ENSMUSG00000025466.20,Fuom,protein_coding	0.02524856	0.9177652
ENSMUSG00000028044.7,Cks1b,protein_coding	0.02518848	0.9823855
ENSMUSG00000066842.19,Hmcn1,protein_coding	0.02517442	0.940064
ENSMUSG00000111800.3,Gm31557,lncRNA	0.02512986	0.9650735
ENSMUSG00000104462.2,Gm37661,TEC	0.02510852	0.949688
ENSMUSG00000038453.18,Srcin1,protein_coding	0.02509758	0.9032014
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ENSMUSG00000113656.2,Gm47370,TEC	0.02505824	0.9239973
ENSMUSG00000041351.17,Rap1gap,protein_coding	0.02498691	0.9160388
ENSMUSG00000013150.16,Gfod2,protein_coding	0.02495833	0.890016
ENSMUSG00000002265.18,Peg3,protein_coding	0.02494712	0.8682161
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ENSMUSG00000041895.16,Wipi1,protein_coding	0.0248523	0.8426051
ENSMUSG00000024052.18,Lpin2,protein_coding	0.02482664	0.7932029
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ENSMUSG00000108918.2,Gm44802,TEC	0.02475209	0.9179055
ENSMUSG00000049922.9,Slc35c1,protein_coding	0.02471964	0.8927765
ENSMUSG00000026694.20,Mettl13,protein_coding	0.02471661	0.8650021
ENSMUSG00000007892.9,Rplp1,protein_coding	0.02471427	0.940111
ENSMUSG00000040537.18,Adam22,protein_coding	0.02470766	0.8697997
ENSMUSG00000103094.2,Gm37558,TEC	0.02470587	0.9299087
ENSMUSG00000071074.10,Yipf3,protein_coding	0.02468418	0.8899093
ENSMUSG00000026176.14,Ctdsp1,protein_coding	0.02466331	0.9122517
ENSMUSG00000119757.2,Gm24448,snRNA	0.0246485	0.9572573

ENSMUSG00000118663.1,Afg2b,protein_coding	0.02463807	0.9110364
ENSMUSG00000022390.12,Zc3h7b,protein_coding	0.02463608	0.8495473
ENSMUSG00000024500.21,Ppp2r2b,protein_coding	0.02459131	0.913426
ENSMUSG00000019878.9,Hsf2,protein_coding	0.02459109	0.8828662
ENSMUSG00000032324.12,Tspan3,protein_coding	0.02458319	0.8616331
ENSMUSG00000025905.15,Oprk1,protein_coding	0.02457755	0.9515294
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ENSMUSG00000047228.10,A2ml1,protein_coding	0.02451636	0.9259228
ENSMUSG00000049764.9,Zfp280b,protein_coding	0.02449885	0.8141495
ENSMUSG00000045288.11,Ush1g,protein_coding	0.02448368	0.9674109
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ENSMUSG00000031748.17,Gnao1,protein_coding	0.02444935	0.8862307
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ENSMUSG00000059409.10,Ppp2r5d,protein_coding	0.02442472	0.8859037
ENSMUSG00000058503.12,Fam133b,protein_coding	0.02441969	0.8852154
ENSMUSG00000045273.9,Cenph,protein_coding	0.02439982	0.9892665
ENSMUSG00000137292.1,ENSMUSG00000137292,lncRNA	0.02439131	0.9546244
ENSMUSG00000025575.15,Cant1,protein_coding	0.02435526	0.864028
ENSMUSG00000109956.2,Gm45428,TEC	0.02431614	0.946793
ENSMUSG00000000751.14,Rpa1,protein_coding	0.02424492	0.9141835
ENSMUSG00000028337.15,Coro2a,protein_coding	0.02419934	0.9074471
ENSMUSG00000037138.19,Aff3,protein_coding	0.02416478	0.877419
ENSMUSG00000036242.16,Armh4,protein_coding	0.02415454	0.931965
ENSMUSG00000024182.19,Axin1,protein_coding	0.024047	0.8645248
ENSMUSG00000028295.15,Smim8,protein_coding	0.02402604	0.9314303
ENSMUSG00000058587.10,Tmod3,protein_coding	0.02402361	0.9064795
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ENSMUSG00000024829.13,Mrpl21,protein_coding	0.02386778	0.9035714
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ENSMUSG00000000627.16,Sema4f,protein_coding	0.0232379	0.9188477
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ENSMUSG00000105974.2,Gm43318,TEC	0.02308243	0.9476086
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ENSMUSG00000043162.8,Pyurf,protein_coding	0.0214335	0.8723227
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ENSMUSG00000031111.17,Igsf1,protein_coding	0.02131387	0.9642651
ENSMUSG00000017132.19,Cyth1,protein_coding	0.02126722	0.8660752
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ENSMUSG00000031010.18,Usp9x,protein_coding	0.02122752	0.8741331
ENSMUSG00000066537.6,Vmn2r57,protein_coding	0.02122261	0.9419805
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ENSMUSG00000029504.6,Ddx51,protein_coding	0.02117609	0.8799521
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ENSMUSG00000049807.17,Arhgap23,protein_coding	0.02093217	0.9083702
ENSMUSG00000027272.6,Ubr1,protein_coding	0.02089286	0.8490415
ENSMUSG00000024276.8,Zfp397,protein_coding	0.02088744	0.9264255
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ENSMUSG00000102846.2,Gm10292,processed_pseudogene	0.02080576	0.9692919
ENSMUSG00000032468.12,Armc8,protein_coding	0.02076917	0.8769274
ENSMUSG00000071477.11,Zfp777,protein_coding	0.02075808	0.9107468
ENSMUSG00000060336.7,Zfp937,protein_coding	0.02074614	0.9076913
ENSMUSG00000131748.1,ENSMUSG00000131748,lncRNA	0.02071288	0.965091
ENSMUSG00000028382.16,Ptbp3,protein_coding	0.02070131	0.9619402
ENSMUSG00000038685.19,Rtel1,protein_coding	0.02068449	0.9161584
ENSMUSG00000019505.8,Ubb,protein_coding	0.02066523	0.9383209
ENSMUSG00000072294.6,Klf12,protein_coding	0.02065146	0.8874454
ENSMUSG00000054008.10,Ndst1,protein_coding	0.02064381	0.8834645
ENSMUSG00000038936.14,Sccpdh,protein_coding	0.02059292	0.9160217
ENSMUSG00000046229.11,Scand1,protein_coding	0.02059158	0.939965
ENSMUSG00000024413.15,Npc1,protein_coding	0.02059122	0.8571941
ENSMUSG00000114626.2,Gm48266,TEC	0.02052114	0.956628
ENSMUSG00000032192.10,Gnb5,protein_coding	0.02048554	0.9117034
ENSMUSG00000048481.16,Mypop,protein_coding	0.0204674	0.9338725
ENSMUSG00000038665.16,Dgki,protein_coding	0.02045614	0.9206929
ENSMUSG00000052298.13,Cdc42se2,protein_coding	0.02045358	0.8778534
ENSMUSG00000041319.15,Thoc6,protein_coding	0.02044301	0.9630012
ENSMUSG00000028134.12,Ptbp2,protein_coding	0.02044257	0.9068995
ENSMUSG00000042105.19,Inpp5f,protein_coding	0.02040942	0.8590568
ENSMUSG00000025236.12,Adpgk,protein_coding	0.02037069	0.9329836
ENSMUSG00000049516.10,Spty2d1,protein_coding	0.02034895	0.8995596
ENSMUSG00000030322.13,Mbd4,protein_coding	0.02034648	0.9467245
ENSMUSG00000031954.7,Cfdp1,protein_coding	0.02034469	0.8578678
ENSMUSG00000020770.14,Unk,protein_coding	0.02033585	0.9079008
ENSMUSG00000026283.14,Ing5,protein_coding	0.02032188	0.894606
ENSMUSG00000029345.14,Tfip11,protein_coding	0.02029504	0.9143188
ENSMUSG00000031691.15,Tnpo2,protein_coding	0.0202903	0.8913698
ENSMUSG00000025076.13,Casp7,protein_coding	0.02028377	0.9685984
ENSMUSG00000062794.9,Zfp599,protein_coding	0.02024963	0.9180267
ENSMUSG00000001666.9,Ddt,protein_coding	0.02023896	0.9561586
ENSMUSG00000028842.16,Ago3,protein_coding	0.02022776	0.8693353
ENSMUSG00000105939.2,Gm43322,TEC	0.0202223	0.9431721
ENSMUSG00000003526.13,Prodh,protein_coding	0.02019706	0.9026212
ENSMUSG00000009291.14,Pttg1ip,protein_coding	0.02013503	0.866543
ENSMUSG00000095253.5,Zfp799,protein_coding	0.0201296	0.8822667
ENSMUSG00000107877.3,4933427D14Rik,protein_coding	0.02012422	0.947006
ENSMUSG00000036473.17,Tbc1d24,protein_coding	0.02012035	0.9033358
ENSMUSG00000041161.9,Otud3,protein_coding	0.02011125	0.9179936
ENSMUSG00000059890.17,Ube4a,protein_coding	0.02009087	0.8283716

ENSMUSG00000072066.8,Zfp1008,protein_coding	0.02008202	0.9491516
ENSMUSG00000010663.6,Fads1,protein_coding	0.02004708	0.8944632
ENSMUSG00000029254.17,Stap1,protein_coding	0.02000012	0.9951805
ENSMUSG00000022075.8,Rhobtb2,protein_coding	0.01999703	0.9077477
ENSMUSG00000102732.2,Gm37342,TEC	0.01999239	0.9499048
ENSMUSG00000030284.14,Creld1,protein_coding	0.0199855	0.9309751
ENSMUSG00000045679.15,Slc66a3,protein_coding	0.01996235	0.9708052
ENSMUSG00000128751.1,ENSMUSG00000128751,lncRNA	0.01994578	0.9670988
ENSMUSG00000040383.17,Aqr,protein_coding	0.01992028	0.8817667
ENSMUSG00000035900.19,Gramd4,protein_coding	0.0198969	0.8798177
ENSMUSG00000060733.14,Ipmk,protein_coding	0.01989672	0.8556736
ENSMUSG00000046191.8,Pcdhb20,protein_coding	0.01989179	0.9143855
ENSMUSG00000008845.10,Cd163,protein_coding	0.01987677	0.9737772
ENSMUSG00000046556.8,Zfp319,protein_coding	0.01986234	0.8944487
ENSMUSG00000120740.2,Gm57103,lncRNA	0.01984946	0.9169333
ENSMUSG00000101823.2,Gm29438,TEC	0.01983378	0.948874
ENSMUSG00000025465.14,Echs1,protein_coding	0.01982622	0.85226
ENSMUSG00000039887.12,Alg14,protein_coding	0.01982155	0.9075123
ENSMUSG00000036816.5,Atoh7,protein_coding	0.01978758	0.9648726
ENSMUSG00000015668.14,Pdzd11,protein_coding	0.01978251	0.8978328
ENSMUSG00000113505.2,Gm48593,TEC	0.01977618	0.9615112
ENSMUSG00000046201.10,Scaf8,protein_coding	0.01975285	0.850974
ENSMUSG00000005089.16,Slc1a2,protein_coding	0.01974888	0.9274506
ENSMUSG00000062611.5,Rps3a2,processed_pseudogene	0.01974297	0.9681226
ENSMUSG00000041258.19,Zfp236,protein_coding	0.01966852	0.8681694
ENSMUSG00000033713.13,Foxn3,protein_coding	0.01966664	0.9057626
ENSMUSG00000025812.19,Pard3,protein_coding	0.01962329	0.9123155
ENSMUSG00000028412.18,Slc44a1,protein_coding	0.0196145	0.886708
ENSMUSG00000012422.15,Tmem167,protein_coding	0.01958187	0.9138166
ENSMUSG00000020634.13,Ubxn2a,protein_coding	0.01948749	0.8759055
ENSMUSG00000064246.11,Chi3l1,protein_coding	0.01947469	0.9537203
ENSMUSG00000017210.15,Med24,protein_coding	0.01942969	0.887475
ENSMUSG00000078485.5,Plekhn1,protein_coding	0.0194254	0.9495093
ENSMUSG00000059475.14,Zfp426,protein_coding	0.01942333	0.8734782
ENSMUSG00000031517.9,Gpm6a,protein_coding	0.01940579	0.9328641
ENSMUSG00000024878.10,Zng1,protein_coding	0.01938524	0.9289186
ENSMUSG00000103378.2,Gm37176,TEC	0.01938267	0.9695062
ENSMUSG00000028517.9,Plpp3,protein_coding	0.01935937	0.8888893
ENSMUSG00000024064.15,Galnt14,protein_coding	0.01933392	0.9407787
ENSMUSG00000038406.18,Scaf1,protein_coding	0.01932811	0.9127846
ENSMUSG00000030471.18,Zdhhc13,protein_coding	0.01930534	0.9131745
ENSMUSG00000075514.7,Gm13375,lncRNA	0.01928041	0.9260182
ENSMUSG00000005354.17,Txn2,protein_coding	0.01926445	0.884656
ENSMUSG00000032297.12,Celf6,protein_coding	0.01924581	0.9554699
ENSMUSG00000038077.8,Kcna6,protein_coding	0.01923292	0.9213867
ENSMUSG00000058655.10,Eif4b,protein_coding	0.01921983	0.8809341
ENSMUSG00000044231.4,Nhlrc1,protein_coding	0.01921007	0.9251759
ENSMUSG00000010025.20,Aldh3a2,protein_coding	0.0191986	0.8431737
ENSMUSG00000033342.16,Plppr5,protein_coding	0.01919751	0.9414545
ENSMUSG00000114621.3,Gm31107,lncRNA	0.01919303	0.959125
ENSMUSG00000072640.12,Lyrm9,protein_coding	0.01918206	0.8916041
ENSMUSG00000040564.15,Apoc1,protein_coding	0.01917078	0.9876058

ENSMUSG00000055737.13,Ghr,protein_coding	0.01916603	0.9341545
ENSMUSG00000026347.14,Tmem163,protein_coding	0.01915385	0.9431988
ENSMUSG00000000538.19,Tom1l2,protein_coding	0.01911117	0.919558
ENSMUSG00000004895.10,Prcc,protein_coding	0.01908317	0.9092026
ENSMUSG00000042348.11,Arl15,protein_coding	0.01904673	0.9237356
ENSMUSG00000049551.3,Fzd9,protein_coding	0.01903619	0.9525853
ENSMUSG00000115228.2,Gm48948,TEC	0.01902188	0.966889
ENSMUSG00000034333.16,Zbed4,protein_coding	0.01899669	0.9199181
ENSMUSG00000085438.4,Oip5os1,lncRNA	0.0189864	0.9172365
ENSMUSG00000028955.4,Vamp3,protein_coding	0.018986	0.9067449
ENSMUSG00000027200.18,Sema6d,protein_coding	0.0189505	0.8821285
ENSMUSG00000131602.1,ENSMUSG00000131602,lncRNA	0.01894107	0.955336
ENSMUSG00000072966.12,Gprasp2,protein_coding	0.01889706	0.9251514
ENSMUSG00000028354.14,Fmn2,protein_coding	0.01888589	0.8976517
ENSMUSG00000071646.10,Mta2,protein_coding	0.01881929	0.922643
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ENSMUSG00000042364.12,Snx18,protein_coding	0.0188128	0.8932841
ENSMUSG00000024576.15,Csnk1a1,protein_coding	0.01878721	0.8932571
ENSMUSG00000028111.5,Ctsk,protein_coding	0.01878311	0.9531503
ENSMUSG00000029110.14,Rnf4,protein_coding	0.01869897	0.86881
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ENSMUSG00000020706.14,Ftsj3,protein_coding	0.01864975	0.9311962
ENSMUSG00000029924.13,Slc37a3,protein_coding	0.01861696	0.894982
ENSMUSG00000025487.16,Psmd13,protein_coding	0.01861412	0.9073646
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ENSMUSG00000022808.6,Snx4,protein_coding	0.01855875	0.8676676
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ENSMUSG00000038170.16,Pde4dip,protein_coding	0.0185435	0.900336
ENSMUSG00000030126.18,Tmcc1,protein_coding	0.01854341	0.8798156
ENSMUSG00000005683.9,Cs,protein_coding	0.01848357	0.8683428
ENSMUSG00000024248.15,Cox7a2l,protein_coding	0.01846092	0.9174413
ENSMUSG00000022742.7,Cpox,protein_coding	0.01836956	0.872619
ENSMUSG00000121478.2,Gm53567,lncRNA	0.0183355	0.9949818
ENSMUSG00000037991.10,Rmi2,protein_coding	0.01833378	0.9841512
ENSMUSG00000034088.16,Hdlbp,protein_coding	0.01831977	0.8475375
ENSMUSG00000004285.13,Atp6v1f,protein_coding	0.01830226	0.9256522
ENSMUSG00000027011.15,Ube2e3,protein_coding	0.01830187	0.916325
ENSMUSG00000026553.18,Copa,protein_coding	0.01828907	0.8670931
ENSMUSG00000015869.18,Prpsap1,protein_coding	0.01824586	0.8899529
ENSMUSG00000027936.19,Crtc2,protein_coding	0.01819975	0.9175702
ENSMUSG00000027805.17,Pfn2,protein_coding	0.01819705	0.9292139
ENSMUSG00000029500.17,Pgam5,protein_coding	0.01819699	0.909896
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ENSMUSG00000046958.12,4930432E11Rik,transcribed_unitary_pseudogene	0.01816373	0.9778068
ENSMUSG00000143370.1,ENSMUSG00000143370,lncRNA	0.01815905	0.9789542
ENSMUSG00000034245.11,Hdac11,protein_coding	0.01814603	0.9411002
ENSMUSG00000104237.3,Gm33533,lncRNA	0.01814565	0.9599462
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ENSMUSG00000036214.15,Polr1has,protein_coding	0.01810828	0.9577048
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ENSMUSG00000079215.9,Zfp664,protein_coding	0.01800383	0.8576223
ENSMUSG00000135902.1,ENSMUSG00000135902,lncRNA	0.01798672	0.9599627
ENSMUSG00000028229.12,Rmdn1,protein_coding	0.01798031	0.9430347
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ENSMUSG00000024976.15,Shoc2,protein_coding	0.01787344	0.8622297
ENSMUSG00000028165.10,Cisd2,protein_coding	0.01787225	0.8849104
ENSMUSG00000028049.16,Scamp3,protein_coding	0.01786023	0.9188506
ENSMUSG00000085133.3,B930095G15Rik,lncRNA	0.01785486	0.9062722
ENSMUSG00000033021.17,Gmppa,protein_coding	0.01783415	0.9181626
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ENSMUSG00000107875.3,Gm54719,lncRNA	0.01779924	0.9637528
ENSMUSG00000058298.11,Mcm9,protein_coding	0.01773312	0.9424265
ENSMUSG00000031347.13,Cetn2,protein_coding	0.01773111	0.9374951
ENSMUSG00000025221.17,Kcnip2,protein_coding	0.01770084	0.967602
ENSMUSG00000064351.1,mt-Co1,protein_coding	0.01770064	0.9586909
ENSMUSG00000020133.9,2310011J03Rik,protein_coding	0.01767273	0.9151279
ENSMUSG00000139146.1,ENSMUSG00000139146,lncRNA	0.01763733	0.950374
ENSMUSG00000026837.17,Col5a1,protein_coding	0.01763584	0.9232876
ENSMUSG00000031327.11,Chic1,protein_coding	0.01762414	0.9265452
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ENSMUSG00000040907.16,Atp1a3,protein_coding	0.01743788	0.936484
ENSMUSG00000002578.19,Ikzf4,protein_coding	0.01743644	0.9176734
ENSMUSG00000026662.14,Sephs1,protein_coding	0.01743297	0.9105591
ENSMUSG00000021713.10,Ppwd1,protein_coding	0.0174153	0.9368915
ENSMUSG00000026792.17,Lrsam1,protein_coding	0.0173854	0.9152301
ENSMUSG00000040390.14,Map3k10,protein_coding	0.01737468	0.9357361
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ENSMUSG00000026554.16,Dcaf8,protein_coding	0.01736611	0.850017
ENSMUSG00000074305.10,Peak1,protein_coding	0.01733902	0.9057072
ENSMUSG00000017978.20,Cadps2,protein_coding	0.01732962	0.9502889
ENSMUSG00000021595.19,Nsun2,protein_coding	0.01731742	0.9041344
ENSMUSG00000026273.14,Mterf4,protein_coding	0.01730356	0.903721
ENSMUSG00000102854.2,C130023A14Rik,TEC	0.01730197	0.9649868
ENSMUSG00000033444.15,Specc1l,protein_coding	0.01729913	0.8683647
ENSMUSG00000058793.15,Cds2,protein_coding	0.01724297	0.91882
ENSMUSG00000016495.13,Plgrkt,protein_coding	0.01722363	0.9554432
ENSMUSG00000063524.14,Eno1,protein_coding	0.01722299	0.932937
ENSMUSG00000050334.15,Mir9-2hg,lncRNA	0.01720601	0.950137
ENSMUSG00000034401.17,Spata6,protein_coding	0.01719221	0.9427385
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ENSMUSG00000027002.14,Nckap1,protein_coding	0.01717082	0.9410506
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ENSMUSG00000004207.16,Psap,protein_coding	0.01715123	0.9282854
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ENSMUSG00000069729.15,Arid1b,protein_coding	0.01710986	0.8811343
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ENSMUSG00000015337.6,Endog,protein_coding	0.01707046	0.9518332
ENSMUSG00000024926.11,Kat5,protein_coding	0.01702215	0.9108171
ENSMUSG00000027935.15,Rab13,protein_coding	0.01700352	0.9544449
ENSMUSG00000054408.10,Spcs3,protein_coding	0.016969	0.92676
ENSMUSG00000025616.15,Usp16,protein_coding	0.01696619	0.9308552
ENSMUSG00000041126.17,H2az2,protein_coding	0.01695634	0.9422249
ENSMUSG00000090093.10,Gm14399,protein_coding	0.0169367	0.9367839
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ENSMUSG00000026811.19,St6galnac6,protein_coding	0.01691413	0.9208245
ENSMUSG00000064363.1,mt-Nd4,protein_coding	0.01691277	0.9605149
ENSMUSG00000112596.2,Gm48804,TEC	0.0169071	0.9574295
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ENSMUSG00000015697.15,Setdb1,protein_coding	0.01689585	0.9063848
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ENSMUSG00000120535.2,Gm56715,lncRNA	0.01681938	0.9776882
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ENSMUSG00000046269.18,Usp27x,protein_coding	0.01671998	0.9443961
ENSMUSG00000006463.14,Zdhhc24,protein_coding	0.01670692	0.897966
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ENSMUSG00000010721.16,Lmbr1,protein_coding	0.01666462	0.8944129
ENSMUSG00000026988.16,Wdsub1,protein_coding	0.0166614	0.934993
ENSMUSG00000038608.16,Dock10,protein_coding	0.01663804	0.934473
ENSMUSG00000020802.9,Ube2o,protein_coding	0.01662611	0.9300422
ENSMUSG00000029755.11,Dlx5,protein_coding	0.01662543	0.9774647
ENSMUSG00000014791.11,Elmo3,protein_coding	0.01661492	0.9651839
ENSMUSG00000041926.16,Rnpep,protein_coding	0.01657191	0.9075005
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ENSMUSG00000032033.12,Barx2,protein_coding	0.01656167	0.9684815
ENSMUSG00000114797.2,Gm49336,protein_coding	0.01653196	0.9131865
ENSMUSG00000062393.15,Dgkk,protein_coding	0.01652722	0.9776975
ENSMUSG00000026107.12,Nabp1,protein_coding	0.01650248	0.9606184
ENSMUSG00000020333.18,Acsl6,protein_coding	0.01647136	0.8928958
ENSMUSG00000025858.13,Get4,protein_coding	0.01644731	0.9217589
ENSMUSG00000024858.15,Grk2,protein_coding	0.01633491	0.9029297
ENSMUSG00000038555.8,Reep2,protein_coding	0.01632784	0.9328202
ENSMUSG00000069910.3,Spdl1,protein_coding	0.01631047	0.9864873
ENSMUSG00000097403.4,9230116N13Rik,lncRNA	0.01630571	0.9774874
ENSMUSG00000067150.7,Xpo5,protein_coding	0.01629664	0.881358
ENSMUSG00000041438.9,Utp4,protein_coding	0.01629648	0.9394123
ENSMUSG00000033644.6,Piwil2,protein_coding	0.01627936	0.977854
ENSMUSG00000045854.5,Lyrm2,protein_coding	0.01626868	0.9368401
ENSMUSG00000069920.11,B3gnt9,protein_coding	0.0162567	0.9591256
ENSMUSG00000102869.5,Norad,lncRNA	0.01624063	0.9294379
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ENSMUSG00000047409.14,Ctdspl,protein_coding	0.01621329	0.9409321

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ENSMUSG00000037851.15,Iars1,protein_coding	0.01617481	0.9397667
ENSMUSG00000121694.1,ENSMUSG00000121694,lncRNA	0.01616755	0.9566586
ENSMUSG00000039599.17,Fam149b,protein_coding	0.01613503	0.9099226
ENSMUSG00000027998.12,Plrg1,protein_coding	0.01613463	0.9191855
ENSMUSG00000099517.3,H3c8,protein_coding	0.01613301	0.995352
ENSMUSG00000097726.9,9530036O11Rik,lncRNA	0.01608401	0.9650208
ENSMUSG00000018415.15,Gid4,protein_coding	0.01603873	0.8647489
ENSMUSG00000062729.13,Ppox,protein_coding	0.0160157	0.9332044
ENSMUSG00000039294.15,Cybc1,protein_coding	0.01595288	0.9635541
ENSMUSG00000028405.10,Aco1,protein_coding	0.01593676	0.8932859
ENSMUSG00000029190.20,D5Ertd579e,protein_coding	0.01588957	0.8865336
ENSMUSG00000003346.15,Abhd17a,protein_coding	0.01588752	0.9478295
ENSMUSG00000024312.11,Wdr46,protein_coding	0.0158829	0.9588647
ENSMUSG00000079509.11,Zfx,protein_coding	0.01585702	0.933945
ENSMUSG00000026153.16,Fam135a,protein_coding	0.01585652	0.9714319
ENSMUSG00000039004.7,Bmp6,protein_coding	0.01583408	0.9479309
ENSMUSG00000064127.14,Med14,protein_coding	0.01581931	0.8963337
ENSMUSG00000025495.16,Ptdss2,protein_coding	0.01580501	0.8974395
ENSMUSG00000034403.17,Pja1,protein_coding	0.01579748	0.9327231
ENSMUSG00000052369.9,Tmem106c,protein_coding	0.01579511	0.9365307
ENSMUSG00000021820.19,Camk2g,protein_coding	0.01578918	0.9261433
ENSMUSG00000030068.5,Gm20696,protein_coding	0.01575264	0.9605021
ENSMUSG00000031782.16,Coq9,protein_coding	0.01574152	0.9048826
ENSMUSG00000003402.15,Prkcsh,protein_coding	0.01573404	0.917245
ENSMUSG00000020392.9,Cdkn2aipnl,protein_coding	0.01570115	0.9372024
ENSMUSG00000079109.12,Pms2,protein_coding	0.01569588	0.8910231
ENSMUSG00000007950.10,Abhd8,protein_coding	0.01566645	0.9349259
ENSMUSG00000038838.16,Vars2,protein_coding	0.01564863	0.9415732
ENSMUSG00000038256.16,Bcl9,protein_coding	0.01564221	0.9047891
ENSMUSG00000021400.9,Wrnip1,protein_coding	0.01563836	0.8832849
ENSMUSG00000040929.18,Rfx3,protein_coding	0.01563396	0.9440661
ENSMUSG00000108368.2,Gm45053,TEC	0.01561666	0.944677
ENSMUSG00000058927.7,Gm10053,protein_coding	0.01561474	0.9499897
ENSMUSG00000032402.13,Smad3,protein_coding	0.01560776	0.9372775
ENSMUSG00000019851.9,Perp,protein_coding	0.01559315	0.9566555
ENSMUSG00000114253.3,Gm47798,lncRNA	0.01556147	0.948315
ENSMUSG00000121482.2,ENSMUSG00000121482,lncRNA	0.01553498	0.9898827
ENSMUSG00000028389.13,Zfp37,protein_coding	0.01553228	0.9209763
ENSMUSG00000058153.16,Sez6l,protein_coding	0.01551844	0.9310561
ENSMUSG00000050967.6,Creg2,protein_coding	0.0155115	0.9406382
ENSMUSG00000061130.14,Ppm1b,protein_coding	0.01549393	0.8749535
ENSMUSG00000035078.7,Mtmr9,protein_coding	0.01548438	0.9070388
ENSMUSG00000097146.3,Gm4211,lncRNA	0.01542851	0.9625114
ENSMUSG00000101609.5,Kcnq1ot1,lncRNA	0.01542319	0.9451061
ENSMUSG00000030525.9,Chrna7,protein_coding	0.01542178	0.9446546
ENSMUSG00000061288.14,Taok3,protein_coding	0.01541898	0.8826676
ENSMUSG00000026707.16,Nsun6,protein_coding	0.01541277	0.9389544
ENSMUSG00000078515.6,Ddi2,protein_coding	0.01538919	0.8571065
ENSMUSG00000031732.13,Phlpp2,protein_coding	0.01538734	0.9178561

ENSMUSG00000126654.1,ENSMUSG00000126654,lncRNA	0.01532333	0.9733679
ENSMUSG00000034059.15,Ypel4,protein_coding	0.01530514	0.9226798
ENSMUSG00000046329.15,Slc25a23,protein_coding	0.01530428	0.9377089
ENSMUSG00000105345.4,BC030343,lncRNA	0.01529768	0.9493743
ENSMUSG00000028760.18,Eif4g3,protein_coding	0.01528386	0.8757384
ENSMUSG00000013787.16,Ehmt2,protein_coding	0.01528308	0.9261253
ENSMUSG00000097154.5,Gm26510,lncRNA	0.01525011	0.9870496
ENSMUSG00000032009.9,Sesn3,protein_coding	0.01523822	0.9108206
ENSMUSG00000107756.2,Gm44164,TEC	0.01523456	0.9649563
ENSMUSG00000033307.8,Mif,protein_coding	0.01523172	0.9567772
ENSMUSG00000056076.14,Eif3b,protein_coding	0.01522785	0.9353492
ENSMUSG00000004270.14,Lpcat3,protein_coding	0.01520736	0.9510002
ENSMUSG00000024286.9,Ccny,protein_coding	0.01519921	0.9277774
ENSMUSG00000061911.16,Myt1l,protein_coding	0.01514282	0.9369446
ENSMUSG00000116568.2,Gm49790,TEC	0.0151064	0.976614
ENSMUSG00000028741.14,Mrto4,protein_coding	0.01508066	0.9365462
ENSMUSG00000035131.15,Brinp3,protein_coding	0.01507831	0.92983
ENSMUSG00000029103.17,Lrpap1,protein_coding	0.01505487	0.9240635
ENSMUSG00000025780.8,Itih5,protein_coding	0.01505318	0.9380549
ENSMUSG00000059674.8,Cdh24,protein_coding	0.01504228	0.9590894
ENSMUSG00000024442.7,Dele1,protein_coding	0.01503972	0.9016927
ENSMUSG00000026737.13,Pip4k2a,protein_coding	0.01502956	0.9153996
ENSMUSG00000008682.14,Rpl10,protein_coding	0.01502782	0.9611871
ENSMUSG00000118669.2,Arvcf,protein_coding	0.01502236	0.942345
ENSMUSG00000042757.17,Tmem108,protein_coding	0.01499254	0.9451086
ENSMUSG00000024370.18,Cdc23,protein_coding	0.01498773	0.8914246
ENSMUSG00000097093.5,C330013E15Rik,lncRNA	0.01487255	0.9679343
ENSMUSG00000058886.10,Deaf1,protein_coding	0.01486905	0.9322442
ENSMUSG00000044098.15,Rsbn1,protein_coding	0.01484528	0.9471821
ENSMUSG00000055319.9,Sec23ip,protein_coding	0.01483728	0.8760651
ENSMUSG00000029231.16,Pdgfra,protein_coding	0.01476744	0.9194638
ENSMUSG00000010607.9,Pigyl,protein_coding	0.01474977	0.9579709
ENSMUSG00000077450.14,Rab11b,protein_coding	0.01472367	0.9259611
ENSMUSG00000038290.16,Smg6,protein_coding	0.01471213	0.8895028
ENSMUSG00000049792.7,Bag5,protein_coding	0.01470965	0.9251808
ENSMUSG00000074884.13,Serf2,protein_coding	0.01470235	0.9247127
ENSMUSG00000024098.7,Twsg1,protein_coding	0.0146971	0.9434569
ENSMUSG00000027162.8,Lin7c,protein_coding	0.01469378	0.9341233
ENSMUSG00000042389.14,Tsen2,protein_coding	0.01463695	0.9340941
ENSMUSG00000041879.14,Ipo9,protein_coding	0.01463081	0.8994744
ENSMUSG00000039578.18,Ccser1,protein_coding	0.0146278	0.9334599
ENSMUSG00000031441.16,Atp11a,protein_coding	0.01454479	0.9089241
ENSMUSG00000120374.2,Gm57280,lncRNA	0.01454472	0.9709468
ENSMUSG00000020576.11,Nbas,protein_coding	0.01453209	0.8686827
ENSMUSG00000002833.12,Hdgfl2,protein_coding	0.01450943	0.9298046
ENSMUSG00000033730.5,Egr3,protein_coding	0.01450529	0.9764256
ENSMUSG00000021910.16,Nisch,protein_coding	0.01445417	0.9084973
ENSMUSG00000038351.15,Sgsm2,protein_coding	0.01442902	0.9532322
ENSMUSG00000026817.15,Ak1,protein_coding	0.01441806	0.9406567
ENSMUSG00000032320.8,Rcn2,protein_coding	0.01441799	0.9209103
ENSMUSG00000067279.4,Ppp1r3c,protein_coding	0.01441052	0.9252141
ENSMUSG00000041229.16,Phf8,protein_coding	0.01441003	0.8845606

ENSMUSG00000049971.18,Glt1d1,protein_coding	0.01437157	0.954283
ENSMUSG00000021054.7,Sgpp1,protein_coding	0.01437019	0.942921
ENSMUSG00000103038.2,Gm37124,TEC	0.01435897	0.967309
ENSMUSG00000030956.16,Fam53b,protein_coding	0.01435458	0.9199896
ENSMUSG00000120999.2,Gm17586,lncRNA	0.01435148	0.9544988
ENSMUSG00000115087.2,Gm48998,TEC	0.01434741	0.9664144
ENSMUSG00000022297.16,Fzd6,protein_coding	0.01431439	0.9435433
ENSMUSG00000029627.13,Zkscan14,protein_coding	0.01431114	0.9367172
ENSMUSG00000020196.11,Cabin1,protein_coding	0.01430946	0.886147
ENSMUSG00000061461.12,Smim20,protein_coding	0.01429812	0.9140424
ENSMUSG00000016179.12,Camk1g,protein_coding	0.01429438	0.9567724
ENSMUSG00000032383.8,Ppib,protein_coding	0.01429226	0.9346644
ENSMUSG00000108102.2,Gm44437,TEC	0.0142744	0.9622418
ENSMUSG00000071054.13,Safb,protein_coding	0.01422196	0.8989722
ENSMUSG00000000202.10,Btbd17,protein_coding	0.01420762	0.9552738
ENSMUSG00000040312.15,Cchcr1,protein_coding	0.01420606	0.9748294
ENSMUSG00000046364.15,Rpl27a,protein_coding	0.0142053	0.9627538
ENSMUSG00000114535.2,Gm47246,TEC	0.01420025	0.9486914
ENSMUSG00000034336.4,Ina,protein_coding	0.01419857	0.9266986
ENSMUSG00000036782.14,Klhl13,protein_coding	0.01418878	0.9549398
ENSMUSG00000042390.10,Gatad2b,protein_coding	0.01416281	0.8863338
ENSMUSG00000020752.12,Recql5,protein_coding	0.01414764	0.9296356
ENSMUSG00000042709.17,Atpaf2,protein_coding	0.01413791	0.9435153
ENSMUSG00000049532.12,Sall2,protein_coding	0.01408472	0.9387582
ENSMUSG00000020019.5,Ntn4,protein_coding	0.01406484	0.9550685
ENSMUSG00000100826.8,Snhg14,lncRNA	0.01405998	0.9357953
ENSMUSG00000032788.16,Pdxk,protein_coding	0.01405986	0.9389497
ENSMUSG00000021730.9,Hcn1,protein_coding	0.01395895	0.948865
ENSMUSG00000058239.14,Usf2,protein_coding	0.01395348	0.9009333
ENSMUSG00000039275.10,Foxk2,protein_coding	0.01392162	0.9150204
ENSMUSG00000040351.12,Ankib1,protein_coding	0.01391707	0.8994756
ENSMUSG00000042286.14,Stab1,protein_coding	0.01390962	0.9694685
ENSMUSG00000067430.8,Zfp763,protein_coding	0.01390772	0.933845
ENSMUSG00000035356.18,Nfkbiz,protein_coding	0.0139049	0.9699572
ENSMUSG00000112744.2,Gm48880,TEC	0.01390242	0.9682049
ENSMUSG00000032869.16,Psmf1,protein_coding	0.01389401	0.9008627
ENSMUSG00000127043.1,ENSMUSG00000127043,lncRNA	0.01388903	0.970241
ENSMUSG00000031754.11,Nudt21,protein_coding	0.01386802	0.9162648
ENSMUSG00000052214.10,Opa3,protein_coding	0.01384576	0.9220333
ENSMUSG00000024218.14,Taf11,protein_coding	0.01383025	0.9046654
ENSMUSG00000024604.8,Rbm22,protein_coding	0.01382642	0.9267149
ENSMUSG00000107531.2,E330037G11Rik,TEC	0.01377351	0.9702661
ENSMUSG00000022687.13,Boc,protein_coding	0.01374882	0.9614336
ENSMUSG00000032316.9,Clk3,protein_coding	0.01374619	0.9136652
ENSMUSG00000020386.6,Sar1b,protein_coding	0.01368198	0.9462529
ENSMUSG00000097557.5,C130060C02Rik,lncRNA	0.01364131	0.9550396
ENSMUSG00000038766.17,Gabpb2,protein_coding	0.01359497	0.9578409
ENSMUSG00000005897.15,Nr2c1,protein_coding	0.01359342	0.9285135
ENSMUSG00000067942.7,Zfp160,protein_coding	0.01357636	0.9491687
ENSMUSG00000057367.13,Birc2,protein_coding	0.01354197	0.9388766
ENSMUSG00000081788.3,Gm5898,processed_pseudogene	0.01349091	0.9632693
ENSMUSG00000038578.16,Susd1,protein_coding	0.01346997	0.9591087

ENSMUSG00000101337.7,Dnah7c,protein_coding	0.01346769	0.9630146
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ENSMUSG00000058254.13,Tspan7,protein_coding	0.01346302	0.9483037
ENSMUSG00000031577.11,Tti2,protein_coding	0.01345757	0.9369953
ENSMUSG00000004897.18,Hdgf,protein_coding	0.01344744	0.9138286
ENSMUSG00000023918.13,Adgrf4,protein_coding	0.01344604	0.9776204
ENSMUSG00000044927.8,H1f10,protein_coding	0.01343695	0.9604817
ENSMUSG00000039704.9,Lmbrd2,protein_coding	0.01341089	0.9397296
ENSMUSG00000030788.17,Rnf141,protein_coding	0.01339262	0.9203934
ENSMUSG00000065968.9,Ifitm7,protein_coding	0.01334288	0.9689672
ENSMUSG00000032047.6,Acat1,protein_coding	0.01330324	0.915605
ENSMUSG00000000631.21,Myo18a,protein_coding	0.01330232	0.932961
ENSMUSG00000026240.13,Cops7b,protein_coding	0.01328964	0.9302389
ENSMUSG00000086181.3,C230034O21Rik,lncRNA	0.01326727	0.9706978
ENSMUSG00000016150.16,Tenm1,protein_coding	0.01326219	0.9525916
ENSMUSG00000068923.15,Syt11,protein_coding	0.01317669	0.9399059
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ENSMUSG00000040097.17,Flywch1,protein_coding	0.01316359	0.9507733
ENSMUSG00000011589.10,Fsd1,protein_coding	0.01312475	0.9589559
ENSMUSG00000022420.17,Dnal4,protein_coding	0.01312001	0.9531197
ENSMUSG00000042564.15,Fam227a,protein_coding	0.01309605	0.947082
ENSMUSG00000050565.17,Tor1aip2,protein_coding	0.01309136	0.9297259
ENSMUSG00000026034.18,Clk1,protein_coding	0.01307308	0.9465407
ENSMUSG00000032309.16,Fbxo22,protein_coding	0.01304236	0.9092929
ENSMUSG00000022678.17,Nde1,protein_coding	0.01303914	0.9584798
ENSMUSG00000047832.10,Cdca4,protein_coding	0.01302853	0.975205
ENSMUSG00000030518.18,Entrep2,protein_coding	0.01301183	0.9593056
ENSMUSG00000093989.2,Rnasek,protein_coding	0.01301096	0.9501821
ENSMUSG00000038533.16,Cbfa2t2,protein_coding	0.01300928	0.91178
ENSMUSG00000067586.5,S1pr3,protein_coding	0.01300541	0.9603876
ENSMUSG00000109394.4,A230057D06Rik,lncRNA	0.01300441	0.9573415
ENSMUSG00000042750.8,Bex2,protein_coding	0.01296499	0.9536295
ENSMUSG00000035954.11,Dock4,protein_coding	0.012963	0.9439527
ENSMUSG00000087344.3,Gm15627,lncRNA	0.01295329	0.9728806
ENSMUSG00000022160.19,Mettl3,protein_coding	0.01293613	0.9314512
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ENSMUSG00000103331.2,Gm37995,TEC	0.01291486	0.9570826
ENSMUSG00000036879.17,Phkb,protein_coding	0.01289839	0.9204973
ENSMUSG00000041891.17,Lman1,protein_coding	0.01288234	0.9545036
ENSMUSG00000049866.13,Arl4c,protein_coding	0.0128812	0.9355209
ENSMUSG00000035152.15,Ap2b1,protein_coding	0.01287626	0.9359124
ENSMUSG00000005846.13,Rsl1d1,protein_coding	0.01285159	0.961374
ENSMUSG00000054556.9,Gm4876,lncRNA	0.01284383	0.9496836
ENSMUSG00000103544.4,Gm10048,TEC	0.0127927	0.9690067
ENSMUSG00000033256.15,Shf,protein_coding	0.01276804	0.9638958
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ENSMUSG00000022895.17,Ets2,protein_coding	0.01271542	0.9298228
ENSMUSG00000040506.17,Ambra1,protein_coding	0.01271533	0.9238607
ENSMUSG00000056394.21,Lig1,protein_coding	0.01270487	0.9803733
ENSMUSG00000003865.17,Gys1,protein_coding	0.01269077	0.9397429
ENSMUSG00000015944.10,Castor2,protein_coding	0.01267317	0.9474251

ENSMUSG00000022391.17,Rangap1,protein_coding	0.01264636	0.9486788
ENSMUSG00000085154.10,C130046K22Rik,lncRNA	0.01264297	0.9519396
ENSMUSG00000063808.15,Gpatch1,protein_coding	0.0126229	0.9257665
ENSMUSG00000034187.19,Nsf,protein_coding	0.01260437	0.9504111
ENSMUSG00000050471.18,Fam118b,protein_coding	0.01260356	0.9464349
ENSMUSG00000029810.16,Tmem176b,protein_coding	0.01259073	0.955726
ENSMUSG00000105942.2,Gm43175,TEC	0.01258676	0.9649985
ENSMUSG00000028124.17,Gclm,protein_coding	0.01251781	0.945883
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ENSMUSG00000107448.2,Gm43947,TEC	0.01248861	0.9753931
ENSMUSG00000009090.18,Ap1b1,protein_coding	0.01248149	0.9324276
ENSMUSG00000001521.13,Tulp3,protein_coding	0.01246381	0.9295711
ENSMUSG00000057894.11,Zfp329,protein_coding	0.01245307	0.9315762
ENSMUSG00000026816.15,Gtf3c5,protein_coding	0.01244355	0.9225849
ENSMUSG00000026383.15,Epb41l5,protein_coding	0.01243685	0.951047
ENSMUSG00000028273.17,Pdlim5,protein_coding	0.01242439	0.9502476
ENSMUSG00000037458.16,Azin1,protein_coding	0.0124023	0.9433269
ENSMUSG00000028871.8,Rspo1,protein_coding	0.01237686	0.969695
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ENSMUSG00000051518.9,Rps19bp1,protein_coding	0.01236446	0.9579875
ENSMUSG00000041740.17,Rnf10,protein_coding	0.0123467	0.8988758
ENSMUSG00000020894.18,Vamp2,protein_coding	0.01233002	0.9536918
ENSMUSG00000120284.2,Gm56714,lncRNA	0.01230688	0.9877291
ENSMUSG00000062949.14,Atp11c,protein_coding	0.01230203	0.9650783
ENSMUSG00000046909.10,Tefm,protein_coding	0.01225814	0.9634591
ENSMUSG00000057103.12,Nat8f1,protein_coding	0.01224214	0.9565913
ENSMUSG00000056962.12,Jmjd6,protein_coding	0.01222916	0.9226328
ENSMUSG00000017390.16,Aldoc,protein_coding	0.01221185	0.9428498
ENSMUSG00000028431.12,Elp1,protein_coding	0.01221116	0.9275368
ENSMUSG00000037706.18,Cd81,protein_coding	0.0122053	0.9395411
ENSMUSG00000024414.14,Mrpl27,protein_coding	0.01220364	0.9588341
ENSMUSG00000021285.16,Ppp1r13b,protein_coding	0.01217421	0.944487
ENSMUSG00000001774.9,Chordc1,protein_coding	0.01217288	0.9366817
ENSMUSG00000021986.10,Amer2,protein_coding	0.01210708	0.940851
ENSMUSG00000039579.16,Grin3a,protein_coding	0.01209444	0.9508428
ENSMUSG00000048330.15,Ric3,protein_coding	0.01208621	0.929375
ENSMUSG00000041710.5,Trpc5,protein_coding	0.01205742	0.9532699
ENSMUSG00000018761.15,Mpdu1,protein_coding	0.01199077	0.9347161
ENSMUSG00000107023.3,Gm42715,protein_coding	0.01197152	0.9478783
ENSMUSG00000036402.14,Gng12,protein_coding	0.01195223	0.9259478
ENSMUSG00000032968.5,Inha,protein_coding	0.01193718	0.9659114
ENSMUSG00000043999.7,Gpr75,protein_coding	0.01191489	0.9476333
ENSMUSG00000033326.16,Kdm4a,protein_coding	0.01190051	0.9331318
ENSMUSG00000027500.11,Stmn2,protein_coding	0.01189314	0.9437118
ENSMUSG00000030967.16,Zranb1,protein_coding	0.01188442	0.9417889
ENSMUSG00000032419.9,Tbx18,protein_coding	0.01188187	0.9638125
ENSMUSG00000071528.5,Atp5mk,protein_coding	0.01187988	0.9503016
ENSMUSG00000028246.14,Faxc,protein_coding	0.01184309	0.9417959
ENSMUSG00000114210.5,A330084C13Rik,lncRNA	0.01183816	0.9728778
ENSMUSG00000102930.2,Gm38115,lncRNA	0.01183339	0.9622688
ENSMUSG00000031996.18,Aplp2,protein_coding	0.01182775	0.9350365
ENSMUSG00000110444.4,Gm10033,protein_coding	0.0118252	0.9657849

ENSMUSG00000027076.11,Timm10,protein_coding	0.01180697	0.9634118
ENSMUSG00000004677.19,Myo9b,protein_coding	0.01174469	0.9384433
ENSMUSG00000032125.22,Robo4,protein_coding	0.01173649	0.9551836
ENSMUSG00000081574.2,Gm14429,unprocessed_pseudogene	0.01171839	0.9850031
ENSMUSG00000033352.12,Map2k4,protein_coding	0.01171148	0.9363911
ENSMUSG00000048833.10,Slc39a9,protein_coding	0.01170805	0.9150993
ENSMUSG00000036180.16,Gatad2a,protein_coding	0.01169443	0.9468697
ENSMUSG00000106099.2,Gm42664,lncRNA	0.01165258	0.973299
ENSMUSG00000032030.18,Cul5,protein_coding	0.01165144	0.9110318
ENSMUSG00000025956.11,Mettl21a,protein_coding	0.01163481	0.9512214
ENSMUSG00000000378.16,Ccm2,protein_coding	0.01160896	0.9470395
ENSMUSG00000027309.19,Dnaaf9,protein_coding	0.01159346	0.9327503
ENSMUSG00000121913.2,ENSMUSG00000121913,lncRNA	0.01158417	0.9667891
ENSMUSG00000034353.15,Ramp1,protein_coding	0.01149899	0.9645646
ENSMUSG00000021610.9,Clptm1l,protein_coding	0.01146614	0.9366169
ENSMUSG00000028933.12,Xrcc2,protein_coding	0.01146292	0.9500101
ENSMUSG00000097099.5,Gm9917,lncRNA	0.01143938	0.9621767
ENSMUSG00000022223.10,Sdr39u1,protein_coding	0.01140478	0.9436107
ENSMUSG00000042670.6,Immp1l,protein_coding	0.01139756	0.9647486
ENSMUSG00000116571.2,Gm49741,lncRNA	0.01138033	0.985233
ENSMUSG00000045639.15,Zfp629,protein_coding	0.01137918	0.9344064
ENSMUSG00000034430.17,Zxdc,protein_coding	0.01136118	0.9232313
ENSMUSG00000060073.10,Psma3,protein_coding	0.01135849	0.9449111
ENSMUSG00000021116.11,Eif2s1,protein_coding	0.01132036	0.9653366
ENSMUSG00000032705.10,Exd2,protein_coding	0.01131801	0.9534719
ENSMUSG00000070803.7,Cited4,protein_coding	0.01130232	0.9706872
ENSMUSG00000036907.12,C1ql2,protein_coding	0.01129036	0.9853686
ENSMUSG00000024193.9,Phf1,protein_coding	0.01127627	0.9548696
ENSMUSG00000030519.15,Apba2,protein_coding	0.01125603	0.9531055
ENSMUSG00000097487.8,Ptges3l,protein_coding	0.01125512	0.9839175
ENSMUSG00000043733.15,Ptpn11,protein_coding	0.01123545	0.910023
ENSMUSG00000021982.15,Cdadc1,protein_coding	0.01122064	0.9248366
ENSMUSG00000025068.9,Gsto1,protein_coding	0.01119061	0.964578
ENSMUSG00000047187.10,Rab2a,protein_coding	0.011188	0.9519689
ENSMUSG00000092558.4,Med20,protein_coding	0.01116371	0.9431464
ENSMUSG00000031021.14,Tmem9b,protein_coding	0.01113901	0.9388957
ENSMUSG00000026163.18,Sphkap,protein_coding	0.01113788	0.9617908
ENSMUSG00000034445.9,Cyb561a3,protein_coding	0.0111169	0.9558839
ENSMUSG00000032786.17,Alas1,protein_coding	0.01111297	0.922247
ENSMUSG00000009569.15,Mrtfb,protein_coding	0.01110373	0.9655996
ENSMUSG00000006782.17,Cnp,protein_coding	0.01109956	0.9457884
ENSMUSG00000023830.15,Igf2r,protein_coding	0.01108994	0.9290373
ENSMUSG00000054426.14,A930005H10Rik,lncRNA	0.01107895	0.9448089
ENSMUSG00000107277.2,Gm10461,TEC	0.01101876	0.962896
ENSMUSG00000109529.2,Gm44801,TEC	0.01098365	0.9584886
ENSMUSG00000027752.16,Exosc8,protein_coding	0.01097308	0.9678987
ENSMUSG00000011752.8,Pgam1,protein_coding	0.01096908	0.9473709
ENSMUSG00000028907.8,Utp11,protein_coding	0.01093829	0.9501411
ENSMUSG00000047098.19,Rnf31,protein_coding	0.01091751	0.9494609
ENSMUSG00000035776.15,Cd99l2,protein_coding	0.01084884	0.9560933
ENSMUSG00000024588.11,Fech,protein_coding	0.01080836	0.9052804
ENSMUSG00000079614.5,Seh1l,protein_coding	0.01080475	0.9613518

ENSMUSG00000052942.14,Glis3,protein_coding	0.01079189	0.9537836
ENSMUSG00000079562.8,Maea,protein_coding	0.01078172	0.949789
ENSMUSG00000022159.17,Rab2b,protein_coding	0.01073008	0.917042
ENSMUSG00000020709.16,Adap2,protein_coding	0.01072587	0.9783698
ENSMUSG00000072955.15,Tmsb15l,protein_coding	0.01068299	0.9896133
ENSMUSG00000060601.14,Nr1h2,protein_coding	0.0106748	0.9456954
ENSMUSG00000018378.14,Cuedc1,protein_coding	0.01065204	0.9538723
ENSMUSG00000009112.5,Bcl2l13,protein_coding	0.01061702	0.9176656
ENSMUSG00000112433.3,Gm30122,lncRNA	0.01060324	0.9736768
ENSMUSG00000028878.12,Fam76a,protein_coding	0.01058088	0.9432118
ENSMUSG00000036918.17,Ttc7,protein_coding	0.01055514	0.972866
ENSMUSG00000006920.15,Ezh1,protein_coding	0.01055205	0.9105888
ENSMUSG00000114094.2,Gm48375,TEC	0.01054722	0.9478259
ENSMUSG00000024477.5,Pggt1b,protein_coding	0.01053467	0.9616702
ENSMUSG00000055491.15,Pprc1,protein_coding	0.01053357	0.9654332
ENSMUSG00000042514.12,Klhl14,protein_coding	0.01051664	0.9768384
ENSMUSG00000052675.12,Zfp112,protein_coding	0.01048398	0.9541963
ENSMUSG00000028438.17,Kif24,protein_coding	0.01048221	0.9871512
ENSMUSG00000025921.8,Rdh10,protein_coding	0.01046549	0.9484445
ENSMUSG00000108778.4,Gm20083,lncRNA	0.01045843	0.9807723
ENSMUSG00000144217.1,ENSMUSG00000144217,lncRNA	0.01036167	0.9643316
ENSMUSG00000012123.18,Crybg2,protein_coding	0.01035697	0.9797112
ENSMUSG00000026797.17,Stxbp1,protein_coding	0.01026009	0.9549353
ENSMUSG00000024621.17,Csf1r,protein_coding	0.01022186	0.9646039
ENSMUSG00000024571.16,Naa12,protein_coding	0.01019096	0.94748
ENSMUSG00000034275.20,Igsf9b,protein_coding	0.01017938	0.9594168
ENSMUSG00000039852.18,Rere,protein_coding	0.01016825	0.9429164
ENSMUSG00000027777.16,Schip1,protein_coding	0.01015677	0.955522
ENSMUSG00000024530.9,Prelid3a,protein_coding	0.01014018	0.9590956
ENSMUSG00000053950.11,Adnp2,protein_coding	0.01013728	0.9319668
ENSMUSG00000031101.7,Sash3,protein_coding	0.01013623	0.9939794
ENSMUSG00000029020.14,Mfn2,protein_coding	0.01011436	0.9548016
ENSMUSG00000030092.15,Cntn6,protein_coding	0.0101009	0.970403
ENSMUSG00000121759.1,Gm16523,lncRNA	0.0100337	0.9683175
ENSMUSG00000103436.2,Gm36995,lncRNA	0.0100307	0.9679045
ENSMUSG00000043252.9,Tmem64,protein_coding	0.01001876	0.9591147
ENSMUSG00000049090.4,Ptgr3,protein_coding	0.01001144	0.9353376
ENSMUSG00000140395.1,ENSMUSG00000140395,lncRNA	0.00996569	0.979234
ENSMUSG00000138774.1,ENSMUSG00000138774,lncRNA	0.00996537	0.9777333
ENSMUSG00000045087.9,S1pr5,protein_coding	0.00993157	0.9533846
ENSMUSG00000023033.15,Scn8a,protein_coding	0.00992615	0.9537448
ENSMUSG00000121402.2,Gm5373,lncRNA	0.00990923	0.9856898
ENSMUSG00000039133.10,9330171B17Rik,lncRNA	0.00988743	0.9731329
ENSMUSG00000004937.7,Sgta,protein_coding	0.00987558	0.9591833
ENSMUSG00000074521.11,Zfp1003,protein_coding	0.00986747	0.9714037
ENSMUSG00000121725.2,Gm38503,lncRNA	0.00985153	0.9824941
ENSMUSG00000030763.8,Lcmt1,protein_coding	0.00979018	0.9542237
ENSMUSG00000021255.18,Esrrb,protein_coding	0.00978571	0.9755079
ENSMUSG00000037007.18,Zfp113,protein_coding	0.00977077	0.9445355
ENSMUSG00000029922.16,Mkrn1,protein_coding	0.00977053	0.9427407
ENSMUSG00000007458.15,M6pr,protein_coding	0.00976282	0.953055
ENSMUSG00000024892.18,Pcx,protein_coding	0.00976	0.9590789

ENSMUSG00000021009.16,Ptpn21,protein_coding	0.00975123	0.9497498
ENSMUSG00000041777.13,Cir1,protein_coding	0.00973594	0.937357
ENSMUSG00000025917.10,Cops5,protein_coding	0.00972172	0.9456318
ENSMUSG00000031618.14,Nr3c2,protein_coding	0.00969362	0.952252
ENSMUSG00000113698.2,Gm47987,TEC	0.00968975	0.9713237
ENSMUSG00000073433.12,Arhgdig,protein_coding	0.0096884	0.9810113
ENSMUSG00000028876.8,Epha10,protein_coding	0.00968661	0.9665733
ENSMUSG00000022095.10,Fhip2b,protein_coding	0.00966618	0.9434939
ENSMUSG00000031778.14,Cx3cl1,protein_coding	0.00966565	0.9753947
ENSMUSG00000020572.9,Nampt,protein_coding	0.00961384	0.9673424
ENSMUSG00000117599.2,Gm49971,TEC	0.00961354	0.9719756
ENSMUSG00000020149.18,Rab1a,protein_coding	0.00960487	0.9463237
ENSMUSG00000004665.11,Cnn2,protein_coding	0.00959509	0.9879912
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ENSMUSG00000024127.16,Prepl,protein_coding	0.00958766	0.9491821
ENSMUSG00000033720.13,Sfxn5,protein_coding	0.00956393	0.9472753
ENSMUSG00000032449.14,Slc25a36,protein_coding	0.00955607	0.9538282
ENSMUSG00000039367.12,Sec24c,protein_coding	0.0095427	0.9339981
ENSMUSG00000029440.16,Psmd9,protein_coding	0.00954193	0.9382634
ENSMUSG00000038383.17,Pigu,protein_coding	0.00952985	0.9418206
ENSMUSG00000042508.17,Dmtf1,protein_coding	0.00952642	0.9524385
ENSMUSG00000036241.4,Ube2r2,protein_coding	0.00951459	0.9240073
ENSMUSG00000032565.10,Nudt16,protein_coding	0.00948045	0.9596001
ENSMUSG00000074519.12,Zfp971,protein_coding	0.00945931	0.9640118
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ENSMUSG00000021508.12,Cxcl14,protein_coding	0.00945115	0.9553357
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ENSMUSG00000050088.10,1600012H06Rik,protein_coding	0.00942033	0.9621759
ENSMUSG00000103651.2,Gm37206,TEC	0.00939714	0.9721879
ENSMUSG00000048583.18,Igf2,protein_coding	0.00937064	0.9741916
ENSMUSG00000080950.2,Gm7278,processed_pseudogene	0.00936513	0.9872554
ENSMUSG00000103959.3,Gm37720,TEC	0.00930795	0.9834432
ENSMUSG00000044952.6,Kctd21,protein_coding	0.00929013	0.962606
ENSMUSG00000037787.15,Coa8,protein_coding	0.00924305	0.9526992
ENSMUSG00000053436.16,Mapk14,protein_coding	0.00922739	0.923573
ENSMUSG00000127941.1,ENSMUSG00000127941,lncRNA	0.00922495	0.9829738
ENSMUSG00000050530.15,Fam171a1,protein_coding	0.00921288	0.9638003
ENSMUSG00000025278.10,Flnb,protein_coding	0.00919565	0.9384108
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ENSMUSG00000002068.17,Ccne1,protein_coding	0.00916275	0.9717184
ENSMUSG00000034730.19,Adgrb1,protein_coding	0.00912557	0.97072
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ENSMUSG00000021598.10,Med10,protein_coding	0.00910379	0.9521209
ENSMUSG00000001289.13,Pfdn5,protein_coding	0.00907145	0.9659157
ENSMUSG00000015127.15,Unkl,protein_coding	0.00906377	0.9368783
ENSMUSG00000020946.14,Gosr2,protein_coding	0.00906262	0.9311007
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ENSMUSG00000061477.5,Rps7,protein_coding	0.00905718	0.9822731
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ENSMUSG00000052423.16,B4galt3,protein_coding	0.00904314	0.9466737
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ENSMUSG00000109642.2,Gm45289,TEC	0.00897535	0.9689488
ENSMUSG00000112545.4,1300014J16Rik,lncRNA	0.0089699	0.9757386
ENSMUSG00000063870.13,Chd4,protein_coding	0.00890489	0.9347403
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ENSMUSG00000056917.14,Sipa1,protein_coding	0.00888786	0.9846644
ENSMUSG00000060600.16,Eno3,protein_coding	0.00888295	0.9755048
ENSMUSG00000036985.13,Zdhhc9,protein_coding	0.00887583	0.93484
ENSMUSG00000008496.20,Pou2f2,protein_coding	0.00886863	0.9780584
ENSMUSG00000039660.17,Spout1,protein_coding	0.00886331	0.9559982
ENSMUSG00000027254.14,Map1a,protein_coding	0.00886213	0.9667163
ENSMUSG00000103133.2,Gm37303,TEC	0.00885856	0.9727139
ENSMUSG00000000346.10,Dazap2,protein_coding	0.00884855	0.9370413
ENSMUSG00000097520.5,4930488L21Rik,lncRNA	0.00881202	0.9788466
ENSMUSG00000041119.13,Pde9a,protein_coding	0.00876407	0.9638924
ENSMUSG00000037868.16,Egr2,protein_coding	0.00875797	0.9853532
ENSMUSG00000054679.9,Srsf12,protein_coding	0.00875416	0.9694103
ENSMUSG00000025745.13,Hadha,protein_coding	0.00875156	0.947889
ENSMUSG00000034813.20,Grip1,protein_coding	0.00871592	0.9688399
ENSMUSG00000032525.16,Nktr,protein_coding	0.0087098	0.953604
ENSMUSG00000022771.18,Ppil2,protein_coding	0.00867246	0.9337416
ENSMUSG00000015120.17,Ube2i,protein_coding	0.00866816	0.9452641
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ENSMUSG00000010911.13,Apip,protein_coding	0.00863105	0.9687662
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ENSMUSG00000028426.11,Rad23b,protein_coding	0.00858249	0.9545162
ENSMUSG00000060708.5,Bloc1s4,protein_coding	0.00858069	0.9659643
ENSMUSG00000018846.9,Pank3,protein_coding	0.00856874	0.9594942
ENSMUSG00000109429.2,Gm45223,TEC	0.00855205	0.9742809
ENSMUSG00000069814.7,Ccdc92b,protein_coding	0.00854448	0.9653453
ENSMUSG00000030310.12,Slc6a1,protein_coding	0.00848622	0.951962
ENSMUSG00000041731.14,Pgm5,protein_coding	0.00846465	0.9759138
ENSMUSG00000040945.14,Rcc2,protein_coding	0.00846105	0.9811363
ENSMUSG00000039199.7,Zdhhc1,protein_coding	0.00845989	0.9581883
ENSMUSG00000038349.11,Plcl1,protein_coding	0.00844849	0.9571082
ENSMUSG00000056167.9,Cnot10,protein_coding	0.00844645	0.946166
ENSMUSG00000049321.18,Zfp2,protein_coding	0.00843848	0.9642305
ENSMUSG00000030560.18,Ctsc,protein_coding	0.00842682	0.9921063
ENSMUSG00000121787.2,Magef1,lncRNA	0.00841847	0.9703464
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ENSMUSG00000019944.15,Rhobtb1,protein_coding	0.00836826	0.9650163
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ENSMUSG00000001687.16,Ubl3,protein_coding	0.00827924	0.9444899
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ENSMUSG00000008035.13,Mid1ip1,protein_coding	0.00827583	0.9573781
ENSMUSG00000055707.14,Klhl26,protein_coding	0.00827372	0.953746
ENSMUSG00000034300.18,Fam53c,protein_coding	0.00827197	0.9396949
ENSMUSG00000075419.5,Dolk,protein_coding	0.0082699	0.9689911
ENSMUSG00000038884.15,Shfl,protein_coding	0.00824407	0.9607104

ENSMUSG00000037993.9,Dhx38,protein_coding	0.00823184	0.9552602
ENSMUSG00000035764.6,Fbxo45,protein_coding	0.00822557	0.9440008
ENSMUSG00000087120.4,Gm12279,lncRNA	0.00821453	0.9693208
ENSMUSG00000109154.2,Gm44822,TEC	0.00814947	0.9809497
ENSMUSG00000031864.17,Ints10,protein_coding	0.00812839	0.9610707
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ENSMUSG00000018076.13,Med13l,protein_coding	0.00811931	0.9478314
ENSMUSG00000021241.8,Isca2,protein_coding	0.00809661	0.9550507
ENSMUSG00000027667.14,Zfp639,protein_coding	0.00808611	0.9583021
ENSMUSG00000115471.2,C230086J09Rik,TEC	0.0080653	0.980444
ENSMUSG00000017776.16,Crk,protein_coding	0.00805846	0.9446161
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ENSMUSG00000008435.16,Rdh13,protein_coding	0.00803244	0.9593826
ENSMUSG00000053916.5,Nanp,protein_coding	0.00803076	0.9686628
ENSMUSG00000021534.9,Cfap90,protein_coding	0.00800889	0.9850214
ENSMUSG00000039062.16,Anpep,protein_coding	0.00800574	0.9823019
ENSMUSG00000032637.16,Atxn2l,protein_coding	0.00796604	0.948882
ENSMUSG00000106414.2,Gm43320,TEC	0.00793284	0.9857582
ENSMUSG00000040136.11,Abcc8,protein_coding	0.00792459	0.9737399
ENSMUSG00000030850.18,Ate1,protein_coding	0.00790734	0.9417156
ENSMUSG00000049401.11,Ogfr,protein_coding	0.00789919	0.9687312
ENSMUSG00000100603.8,1700129L04Rik,lncRNA	0.00787444	0.9871515
ENSMUSG00000040446.5,Rprd1a,protein_coding	0.00782281	0.9532274
ENSMUSG00000053553.12,3110082I17Rik,protein_coding	0.00781931	0.9749929
ENSMUSG00000108217.2,Gm43883,TEC	0.00777157	0.9824003
ENSMUSG00000030002.16,Dusp11,protein_coding	0.00773276	0.9619739
ENSMUSG00000024050.19,Wiz,protein_coding	0.00772532	0.9533989
ENSMUSG00000028013.17,Ppa2,protein_coding	0.00772024	0.9524329
ENSMUSG00000091472.4,Gm3739,protein_coding	0.00771666	0.9867673
ENSMUSG00000069171.15,Nr2f1,protein_coding	0.00770633	0.966949
ENSMUSG00000018209.16,Stk4,protein_coding	0.00768899	0.969432
ENSMUSG00000052915.15,Msl1,protein_coding	0.00767802	0.9488497
ENSMUSG00000029534.18,St7,protein_coding	0.00759635	0.9629328
ENSMUSG00000108832.3,Gm44832,lncRNA	0.00757369	0.9863941
ENSMUSG00000024383.10,Map3k2,protein_coding	0.00755512	0.9598837
ENSMUSG00000034290.10,Nek9,protein_coding	0.00754725	0.9493483
ENSMUSG00000078622.9,Ccdc47,protein_coding	0.00752566	0.9342405
ENSMUSG00000029925.14,Tbxas1,protein_coding	0.00751763	0.9866621
ENSMUSG00000069670.10,Nkain2,protein_coding	0.00750808	0.9761373
ENSMUSG00000036568.8,Bicral,protein_coding	0.00750205	0.9466225
ENSMUSG00000029761.17,Cald1,protein_coding	0.00747453	0.968876
ENSMUSG00000041353.13,Vcf2,protein_coding	0.00744311	0.9560094
ENSMUSG00000035772.12,Mrps2,protein_coding	0.00743429	0.9456476
ENSMUSG00000021067.9,Sav1,protein_coding	0.00740572	0.9756542
ENSMUSG00000026575.16,Nme7,protein_coding	0.00739637	0.96469
ENSMUSG00000047603.10,Zfp235,protein_coding	0.00738691	0.9513823
ENSMUSG00000064604.3,Snora44,snoRNA	0.00738438	0.9901447
ENSMUSG00000097183.5,Gm17501,lncRNA	0.00736942	0.9869195
ENSMUSG00000021951.8,Eef1akmt1,protein_coding	0.00731186	0.9776102
ENSMUSG00000030924.17,Rexo5,protein_coding	0.00729522	0.9918457
ENSMUSG00000039828.8,Wdr70,protein_coding	0.00727064	0.9551371
ENSMUSG00000038025.9,Phf2,protein_coding	0.00723594	0.9549687

ENSMUSG00000038690.16,Atp5mf,protein_coding	0.00722644	0.9722818
ENSMUSG00000029472.14,Anapc5,protein_coding	0.00719923	0.9386889
ENSMUSG00000034875.6,Nudt19,protein_coding	0.00717567	0.9719839
ENSMUSG00000020546.15,Stxbp4,protein_coding	0.00716294	0.9475996
ENSMUSG00000031393.18,Mecp2,protein_coding	0.00715508	0.9480086
ENSMUSG00000014039.19,Prdm15,protein_coding	0.0070872	0.9586546
ENSMUSG00000022358.8,Fbxo32,protein_coding	0.00707953	0.973318
ENSMUSG00000069911.13,Insyn2b,protein_coding	0.00706776	0.9838791
ENSMUSG00000074925.5,Ptar1,protein_coding	0.00706016	0.9736493
ENSMUSG00000011877.14,Git1,protein_coding	0.00703524	0.9697205
ENSMUSG00000020876.15,Snx11,protein_coding	0.00700832	0.9546431
ENSMUSG00000033557.18,Fam20b,protein_coding	0.00700396	0.9547135
ENSMUSG00000074781.6,Ube2n,protein_coding	0.00700006	0.9632071
ENSMUSG00000115543.2,B230362B09Rik,TEC	0.00695378	0.9811565
ENSMUSG00000027739.10,Rab33b,protein_coding	0.00694341	0.9573133
ENSMUSG00000028729.16,Ebna1bp2,protein_coding	0.00693381	0.9449414
ENSMUSG00000032601.14,Prkar2a,protein_coding	0.00691362	0.9537588
ENSMUSG00000041609.17,Bicdl1,protein_coding	0.00687845	0.9698317
ENSMUSG00000058174.8,Gm5148,protein_coding	0.00687239	0.972597
ENSMUSG00000041852.16,Tcf20,protein_coding	0.00687039	0.954309
ENSMUSG00000124440.1,ENSMUSG00000124440,lncRNA	0.00686407	0.9856029
ENSMUSG00000040731.14,Eif4h,protein_coding	0.0068363	0.9536744
ENSMUSG00000014668.16,Chfr,protein_coding	0.00683551	0.959155
ENSMUSG00000020184.16,Mdm2,protein_coding	0.00682389	0.9597487
ENSMUSG00000015222.19,Map2,protein_coding	0.0067452	0.9704988
ENSMUSG00000035139.15,Secisbp2,protein_coding	0.00672708	0.9637676
ENSMUSG00000004630.19,Pcp2,protein_coding	0.00670811	0.9916368
ENSMUSG00000022914.18,Brwd1,protein_coding	0.00670323	0.9486972
ENSMUSG00000063882.13,Uqcrh,protein_coding	0.0067002	0.9706767
ENSMUSG00000075376.11,Rc3h2,protein_coding	0.00668877	0.9663066
ENSMUSG00000032518.7,Rpsa,protein_coding	0.00667776	0.9858588
ENSMUSG00000040268.18,Plekha1,protein_coding	0.00667056	0.9582539
ENSMUSG00000031398.14,Plxna3,protein_coding	0.00665395	0.9677192
ENSMUSG00000032186.16,Tmod2,protein_coding	0.00665271	0.968358
ENSMUSG00000026173.17,Plcd4,protein_coding	0.00663004	0.9733663
ENSMUSG00000037104.10,Socs5,protein_coding	0.00659372	0.9696125
ENSMUSG00000045441.6,Gprin3,protein_coding	0.00657072	0.9809872
ENSMUSG00000069020.10,Urm1,protein_coding	0.00656392	0.9628848
ENSMUSG00000113055.2,Gm48700,TEC	0.0065272	0.9844965
ENSMUSG00000026201.13,Stk16,protein_coding	0.00652204	0.9704389
ENSMUSG00000009647.14,Mcu,protein_coding	0.00651551	0.9534458
ENSMUSG00000019494.15,Cops6,protein_coding	0.00645864	0.9673124
ENSMUSG00000025410.11,Dctn2,protein_coding	0.00645773	0.9626104
ENSMUSG00000017760.17,Ctsa,protein_coding	0.00645628	0.9650138
ENSMUSG00000021254.10,Gpatch2l,protein_coding	0.00644467	0.9513488
ENSMUSG00000044461.7,Shisa2,protein_coding	0.0064168	0.9816993
ENSMUSG00000020430.13,Pes1,protein_coding	0.00639622	0.9743505
ENSMUSG00000103983.2,Gm20045,lncRNA	0.00637275	0.9806945
ENSMUSG00000098374.2,Gm28043,protein_coding	0.00635945	0.9687365
ENSMUSG00000074346.8,Kcnd3os,lncRNA	0.00634943	0.9833469
ENSMUSG00000023169.16,Slc38a1,protein_coding	0.00632198	0.9618423
ENSMUSG00000016493.14,Cd46,protein_coding	0.00631673	0.9831188

ENSMUSG00000086155.10,9430041J12Rik,lncRNA	0.00631542	0.979114
ENSMUSG00000026047.14,Poglut2,protein_coding	0.00629579	0.9725315
ENSMUSG00000046791.9,Riox1,protein_coding	0.00629038	0.9749745
ENSMUSG00000046861.10,Hectd3,protein_coding	0.00626085	0.9627993
ENSMUSG00000031985.10,Gnpat,protein_coding	0.00625701	0.9553289
ENSMUSG00000041670.20,Rims1,protein_coding	0.00624526	0.9765824
ENSMUSG00000024818.16,Slc25a45,protein_coding	0.00622148	0.9910465
ENSMUSG00000036275.14,9530068E07Rik,protein_coding	0.00621824	0.9571178
ENSMUSG00000104503.2,Gm37738,TEC	0.00621454	0.9770031
ENSMUSG00000102760.2,Gm37258,TEC	0.00620674	0.9716072
ENSMUSG00000047146.18,Tet1,protein_coding	0.00619741	0.9699906
ENSMUSG00000030213.13,Atf7ip,protein_coding	0.00618074	0.9573856
ENSMUSG00000039577.18,Nphp4,protein_coding	0.00618019	0.9800358
ENSMUSG00000017781.19,Pitpna,protein_coding	0.00617135	0.9612951
ENSMUSG00000132292.1,ENSMUSG00000132292,lncRNA	0.00614354	0.989541
ENSMUSG00000029647.16,Pan3,protein_coding	0.00614244	0.9795597
ENSMUSG00000120153.2,Gm56804,lncRNA	0.00613883	0.9884637
ENSMUSG00000007836.7,Hnrnpa0,protein_coding	0.00612402	0.9724083
ENSMUSG00000085667.3,Gm12992,lncRNA	0.00612309	0.9828502
ENSMUSG00000022500.16,Litaf,protein_coding	0.00607892	0.9833064
ENSMUSG00000021458.19,Aopep,protein_coding	0.00606024	0.9643703
ENSMUSG00000050390.13,Nhsl3,protein_coding	0.00605324	0.9712415
ENSMUSG00000029701.16,Rbm28,protein_coding	0.0060461	0.9509605
ENSMUSG00000017314.13,Mpp2,protein_coding	0.00602197	0.9828611
ENSMUSG00000046139.9,Patl1,protein_coding	0.0060142	0.9646477
ENSMUSG00000033389.17,Arhgap44,protein_coding	0.00600319	0.975106
ENSMUSG00000142916.1,ENSMUSG00000142916,lncRNA	0.00599582	0.9910551
ENSMUSG00000005357.10,Slc1a6,protein_coding	0.00597873	0.9867319
ENSMUSG00000039485.9,Tspyl4,protein_coding	0.00597626	0.9681952
ENSMUSG00000105958.2,Gm43319,TEC	0.00595326	0.9860941
ENSMUSG00000021493.16,Pdlim7,protein_coding	0.00595299	0.9790817
ENSMUSG00000079343.5,C1s2,protein_coding	0.0059503	0.9958415
ENSMUSG00000024759.15,Atl3,protein_coding	0.00594407	0.9709208
ENSMUSG00000031622.17,Sin3b,protein_coding	0.00593609	0.9673776
ENSMUSG00000035671.7,Zswim4,protein_coding	0.0059299	0.976446
ENSMUSG00000053205.10,Styx,protein_coding	0.00592565	0.9822913
ENSMUSG00000031533.5,Mrps31,protein_coding	0.00591149	0.9668421
ENSMUSG00000038861.15,Pi4kb,protein_coding	0.00590914	0.9599975
ENSMUSG00000113257.3,Gm30409,lncRNA	0.00590588	0.9873866
ENSMUSG00000105771.2,2900064K03Rik,TEC	0.00587277	0.9883391
ENSMUSG00000078670.4,Fam174b,protein_coding	0.00584667	0.978106
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ENSMUSG00000020642.14,Rnf144a,protein_coding	0.00579346	0.9731743
ENSMUSG00000068036.17,Afdn,protein_coding	0.00576484	0.9597084
ENSMUSG00000002803.15,Btbd6,protein_coding	0.00575834	0.9748108
ENSMUSG00000058407.13,Txndc9,protein_coding	0.00574713	0.9600076
ENSMUSG00000106603.2,Gm43509,TEC	0.00573072	0.9854583
ENSMUSG00000020657.17,Dnajc27,protein_coding	0.00571969	0.9754523
ENSMUSG00000023977.16,Ubr2,protein_coding	0.00570845	0.9532926
ENSMUSG00000045968.8,Teddm2,protein_coding	0.00569254	0.9846938
ENSMUSG00000017631.20,Abr,protein_coding	0.00567566	0.9789048
ENSMUSG00000030421.10,Uri1,protein_coding	0.0056634	0.967326

ENSMUSG00000029291.12,Rufy3,protein_coding	0.00565723	0.9527356
ENSMUSG00000119356.1,Gm23712,snRNA	0.00564244	0.9914114
ENSMUSG00000041881.14,Ndufa7,protein_coding	0.00562321	0.9805509
ENSMUSG00000037725.9,Ckap2,protein_coding	0.00561289	0.9974209
ENSMUSG00000051977.17,Prdm9,protein_coding	0.00560619	0.9869161
ENSMUSG00000025651.15,Uqcrc1,protein_coding	0.00559546	0.9741252
ENSMUSG00000042548.15,Asxl1,protein_coding	0.00558618	0.9637088
ENSMUSG00000042579.5,4632404H12Rik,lncRNA	0.00553765	0.9735074
ENSMUSG00000022788.17,Fgd4,protein_coding	0.00552338	0.980206
ENSMUSG00000119047.1,Gm22776,snoRNA	0.00550678	0.9944785
ENSMUSG00000031513.9,Leprotl1,protein_coding	0.00547168	0.9629613
ENSMUSG00000063954.8,H2ac19,protein_coding	0.00547159	0.9900813
ENSMUSG00000026765.13,Lypd6b,protein_coding	0.00546989	0.9880737
ENSMUSG00000048756.12,Foxo3,protein_coding	0.00546742	0.9721872
ENSMUSG00000022003.8,Slc25a30,protein_coding	0.00546611	0.9726774
ENSMUSG00000068856.4,Sf3b4,protein_coding	0.00546134	0.9761307
ENSMUSG00000024269.12,Tpgs2,protein_coding	0.00543174	0.9734177
ENSMUSG00000054280.15,Prr14l,protein_coding	0.00542876	0.9607921
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ENSMUSG00000035829.14,Ppp1r26,protein_coding	0.00539292	0.9798576
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ENSMUSG00000034354.19,Mtmr3,protein_coding	0.00534644	0.9566631
ENSMUSG00000090952.5,Rab11bos1,lncRNA	0.00533186	0.9870621
ENSMUSG00000020570.16,Sypl1,protein_coding	0.00531549	0.984611
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ENSMUSG00000020623.12,Map2k6,protein_coding	0.00509358	0.9789361
ENSMUSG00000035086.14,Becn1,protein_coding	0.00503633	0.9593228
ENSMUSG00000035199.7,Arl6ip5,protein_coding	0.00498465	0.9704231
ENSMUSG00000144117.1,ENSMUSG00000144117,lncRNA	0.00497152	0.991192
ENSMUSG00000020790.15,Ankfy1,protein_coding	0.0049671	0.9684422
ENSMUSG00000134651.1,ENSMUSG00000134651,lncRNA	0.00492786	0.9790651
ENSMUSG00000005682.10,Pan2,protein_coding	0.00492769	0.973871
ENSMUSG00000054455.6,Vapb,protein_coding	0.00489088	0.9644549
ENSMUSG00000113429.4,Gm20063,lncRNA	0.00488352	0.989226
ENSMUSG00000039263.17,Npepl1,protein_coding	0.0048769	0.9861489
ENSMUSG00000028943.19,Espn,protein_coding	0.00486219	0.9867241
ENSMUSG00000022505.10,Emp2,protein_coding	0.00483234	0.9755297
ENSMUSG00000024962.14,Vegfb,protein_coding	0.00481888	0.9777411
ENSMUSG00000112358.2,Gm33869,TEC	0.00480682	0.9821377
ENSMUSG00000005087.18,Cd44,protein_coding	0.00480287	0.9938118
ENSMUSG00000112918.2,Gm18120,processed_pseudogene	0.00479025	0.9894706
ENSMUSG00000032554.16,Trf,protein_coding	0.00477854	0.9825691
ENSMUSG00000128256.1,ENSMUSG00000128256,lncRNA	0.00477278	0.9909986
ENSMUSG00000032816.17,Igdcc4,protein_coding	0.00474917	0.9758969
ENSMUSG00000030127.16,Cops7a,protein_coding	0.00472881	0.9804158
ENSMUSG00000025733.18,Rhot2,protein_coding	0.00472618	0.9777425
ENSMUSG00000118234.2,Gm50115,lncRNA	0.00471929	0.9912895
ENSMUSG00000085912.4,Trp53cor1,lncRNA	0.00469785	0.9930948

ENSMUSG00000025612.6,Bach1,protein_coding	0.0046613	0.9740126
ENSMUSG00000004936.9,Map2k1,protein_coding	0.00465084	0.9783304
ENSMUSG00000044149.8,Nkrf,protein_coding	0.00465083	0.972808
ENSMUSG00000001518.13,Itfg2,protein_coding	0.00463387	0.9766113
ENSMUSG00000023904.11,Hcfc1r1,protein_coding	0.00463148	0.9850047
ENSMUSG00000053957.8,Gm12474,lncRNA	0.00458996	0.9933
ENSMUSG00000059552.14,Trp53,protein_coding	0.00453769	0.9894006
ENSMUSG00000107879.3,9330102E08Rik,translated_unprocessed_pseudog	0.00451033	0.9830001
ENSMUSG00000030986.14,Dhx32,protein_coding	0.00450583	0.9788518
ENSMUSG00000024535.17,Snx24,protein_coding	0.00449048	0.9790261
ENSMUSG00000091512.6,Lamtor3,protein_coding	0.0044715	0.9691305
ENSMUSG00000000088.8,Cox5a,protein_coding	0.00443768	0.9814803
ENSMUSG00000023010.16,Tmbim6,protein_coding	0.0044283	0.9705999
ENSMUSG00000044496.7,2510039O18Rik,protein_coding	0.00441873	0.9805203
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ENSMUSG00000057147.14,Dph6,protein_coding	0.00437533	0.9807426
ENSMUSG00000039234.12,Sec24d,protein_coding	0.00436114	0.9858272
ENSMUSG00000038173.16,Enpp6,protein_coding	0.00435685	0.9877904
ENSMUSG00000003527.10,Ess2,protein_coding	0.00435505	0.9703927
ENSMUSG00000026511.8,Srp9,protein_coding	0.00434969	0.9821637
ENSMUSG00000066571.14,Garre1,protein_coding	0.00432274	0.9698793
ENSMUSG00000075327.11,Zbtb2,protein_coding	0.00430773	0.9766872
ENSMUSG00000029125.15,Stx18,protein_coding	0.00428324	0.9758163
ENSMUSG00000107276.2,Gm42858,TEC	0.00428281	0.9883867
ENSMUSG00000032228.17,Tcf12,protein_coding	0.00425603	0.9810801
ENSMUSG00000028677.20,Rnf220,protein_coding	0.00423435	0.9807183
ENSMUSG00000021038.18,Vipas39,protein_coding	0.00419001	0.9726905
ENSMUSG00000038143.17,Stox2,protein_coding	0.0041732	0.979026
ENSMUSG00000035297.15,Cops4,protein_coding	0.00417188	0.9683281
ENSMUSG00000031706.8,Rfx1,protein_coding	0.00414488	0.9797951
ENSMUSG00000035901.15,Dennd5a,protein_coding	0.00409626	0.9735315
ENSMUSG00000122223.1,ENSMUSG00000122223,lncRNA	0.00407972	0.9945466
ENSMUSG00000054708.18,Ankrd24,protein_coding	0.00406836	0.9861803
ENSMUSG00000002524.18,Puf60,protein_coding	0.0040532	0.9767443
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ENSMUSG00000030086.17,Chchd6,protein_coding	0.00402912	0.9862065
ENSMUSG00000004099.17,Dnmt1,protein_coding	0.003998	0.9779257
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ENSMUSG00000053877.14,Srcap,protein_coding	0.00396692	0.9747033
ENSMUSG00000038902.16,Pogz,protein_coding	0.00395091	0.9661546
ENSMUSG00000026483.14,Niban1,protein_coding	0.00392661	0.989141
ENSMUSG00000055817.19,Mta3,protein_coding	0.00392048	0.9803297
ENSMUSG00000090942.2,F830016B08Rik,protein_coding	0.00390018	0.9980768
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ENSMUSG00000031214.14,Ophn1,protein_coding	0.0037705	0.9798516
ENSMUSG00000026750.7,Psmb7,protein_coding	0.00375883	0.9827447
ENSMUSG00000041040.13,Fam117b,protein_coding	0.00375	0.9716591
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ENSMUSG00000029581.15,Fscn1,protein_coding	0.0037353	0.9869012
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ENSMUSG00000032577.17,Mapkapk3,protein_coding	0.00369823	0.9924034
ENSMUSG00000075569.11,Rsph10b,protein_coding	0.00368731	0.9908558
ENSMUSG00000037773.15,Pced1a,protein_coding	0.00368698	0.9780821
ENSMUSG00000055980.3,Irs1,protein_coding	0.00366274	0.9771987
ENSMUSG00000005716.17,Pvalb,protein_coding	0.00363978	0.9918858
ENSMUSG00000113031.4,Gm34552,lncRNA	0.00363827	0.9931434
ENSMUSG00000055839.7,Elob,protein_coding	0.00362805	0.9853908
ENSMUSG00000067148.16,Polr1c,protein_coding	0.00360792	0.987819
ENSMUSG00000036591.17,Arhgap21,protein_coding	0.00355004	0.9817908
ENSMUSG00000020088.11,Sar1a,protein_coding	0.0035245	0.9755914
ENSMUSG00000109274.3,Gm45133,TEC	0.0035199	0.9970918
ENSMUSG00000047989.12,Ino80c,protein_coding	0.00351777	0.9831346
ENSMUSG00000040524.10,Zfp609,protein_coding	0.00345731	0.975678
ENSMUSG00000044627.12,Swi5,protein_coding	0.00345029	0.9750394
ENSMUSG00000000266.12,Mid2,protein_coding	0.00342805	0.9782301
ENSMUSG00000118662.2,Tctn2,protein_coding	0.00342593	0.9880007
ENSMUSG00000039114.17,Nrn1,protein_coding	0.00341282	0.9873463
ENSMUSG00000024072.10,Yipf4,protein_coding	0.00341269	0.9873755
ENSMUSG00000022471.15,Xrcc6,protein_coding	0.00336616	0.9857622
ENSMUSG00000030744.14,Rps3,protein_coding	0.00336219	0.9913879
ENSMUSG00000065954.12,Tacc1,protein_coding	0.00334706	0.9834332
ENSMUSG00000041605.17,Inava,protein_coding	0.003347	0.9963178
ENSMUSG00000061759.16,Armt1,protein_coding	0.00332655	0.9833578
ENSMUSG00000022468.13,Endou,protein_coding	0.00330603	0.9978589
ENSMUSG00000029458.15,Brap,protein_coding	0.00326591	0.9760609
ENSMUSG00000114624.2,Gm48267,TEC	0.00325867	0.9910771
ENSMUSG00000029729.13,Zkscan1,protein_coding	0.00325833	0.9757979
ENSMUSG00000049036.8,Tmem121,protein_coding	0.0032556	0.9916382
ENSMUSG00000041720.15,Pi4ka,protein_coding	0.00325162	0.9830864
ENSMUSG00000035696.16,Rnf38,protein_coding	0.00324611	0.9752622
ENSMUSG00000134226.1,ENSMUSG00000134226,lncRNA	0.00322891	0.9903068
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ENSMUSG00000045128.10,Rpl18a,protein_coding	0.00304323	0.9942559
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ENSMUSG00000028107.15,Tars2,protein_coding	0.00302784	0.982695
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ENSMUSG00000048078.17,Tenm4,protein_coding	-0.0013573	0.9955999
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ENSMUSG00000035885.6,Cox8a,protein_coding	-0.0013669	0.9942666
ENSMUSG00000004085.15,Map3k20,protein_coding	-0.0013782	0.9935988
ENSMUSG00000036155.14,Mgat5,protein_coding	-0.0013872	0.9932296
ENSMUSG00000007891.17,Ctsd,protein_coding	-0.0014211	0.9968428
ENSMUSG00000021831.10,Ero1a,protein_coding	-0.0014314	0.9948522
ENSMUSG00000038876.13,Rnf146,protein_coding	-0.0014427	0.9909812
ENSMUSG00000089862.9,Umad1,protein_coding	-0.001468	0.9929708
ENSMUSG00000025609.16,Mkln1,protein_coding	-0.0015095	0.9911094
ENSMUSG00000097746.3,Gm6225,lncRNA	-0.0015177	0.9941735
ENSMUSG00000055733.7,Nap1l3,protein_coding	-0.0015314	0.9924556
ENSMUSG00000041147.11,Brca2,protein_coding	-0.0015624	0.9962035
ENSMUSG00000044792.8,Isca1,protein_coding	-0.0015673	0.9902275
ENSMUSG00002076155.1,AF357425,snoRNA	-0.0015679	0.994468
ENSMUSG00000075700.11,Selenot,protein_coding	-0.0015992	0.9939547
ENSMUSG00000085436.4,Zfp335os,lncRNA	-0.0016053	0.9947251
ENSMUSG00000023147.18,Get1,protein_coding	-0.0016144	0.9914465
ENSMUSG00000050900.6,Gm7327,transcribed_processed_pseudogene	-0.0016175	0.9968232
ENSMUSG00000028785.14,Hpca,protein_coding	-0.0016231	0.9961219
ENSMUSG00000041328.17,Pcf11,protein_coding	-0.0016417	0.9911432
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ENSMUSG00000021661.17,Ankra2,protein_coding	-0.0016657	0.9928313
ENSMUSG00000045410.19,Akr1e1,protein_coding	-0.001676	0.9903314
ENSMUSG00000040688.17,Tbl3,protein_coding	-0.001684	0.9942204
ENSMUSG00000074171.3,Gm6658,TEC	-0.0016986	0.9968605
ENSMUSG00000017221.15,Psmd3,protein_coding	-0.0017153	0.9910183
ENSMUSG00000021557.16,Agtpbp1,protein_coding	-0.0017164	0.991187
ENSMUSG00000020114.13,Cand1,protein_coding	-0.0017312	0.9888961
ENSMUSG00000032609.13,Klhdc8b,protein_coding	-0.0017397	0.9949478
ENSMUSG00000038250.10,Usp38,protein_coding	-0.0017553	0.9903499
ENSMUSG00000037260.9,Hgsnat,protein_coding	-0.0017977	0.9910296

ENSMUSG00000026278.15,Bok,protein_coding	-0.0018362	0.9951454
ENSMUSG00000028423.16,Nfx1,protein_coding	-0.0018402	0.9834312
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ENSMUSG00000029207.18,Apbb2,protein_coding	-0.0019171	0.9852056
ENSMUSG00000061904.13,Slc25a3,protein_coding	-0.0019329	0.9843108
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ENSMUSG00000024944.7,Arl2,protein_coding	-0.0020614	0.9906468
ENSMUSG00000000339.15,Rtca,protein_coding	-0.0020998	0.9897391
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ENSMUSG00000091474.3,2610021A01Rik,protein_coding	-0.0021139	0.9900586
ENSMUSG00000041907.10,Gpr45,protein_coding	-0.0021174	0.9930713
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ENSMUSG00000030979.14,Uros,protein_coding	-0.0021927	0.9899567
ENSMUSG00000038888.9,Ctu1,protein_coding	-0.0022291	0.9913528
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ENSMUSG00000031007.3,Atp6ap2,protein_coding	-0.0023449	0.9908204
ENSMUSG00000034709.9,Ppp1r21,protein_coding	-0.0023704	0.9848011
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ENSMUSG00000089847.9,Timm10b,protein_coding	-0.00239	0.9858617
ENSMUSG00000037443.14,Cep85,protein_coding	-0.0023903	0.9866396
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ENSMUSG00000001228.15,Uhrf1,protein_coding	-0.0027074	0.9989375
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ENSMUSG00000028420.14,Tmem38b,protein_coding	-0.002761	0.9887039
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ENSMUSG00000021488.9,Nsd1,protein_coding	-0.0028366	0.9764612
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ENSMUSG00000122428.1,ENSMUSG00000122428,lncRNA	-0.0028659	0.9917313
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ENSMUSG00000043673.12,Kcns3,protein_coding	-0.0030347	0.9909163
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ENSMUSG00000029283.18,Cdc7,protein_coding	-0.0030784	0.9875217
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ENSMUSG00000032936.14,Camkv,protein_coding	-0.0058667	0.9871695
ENSMUSG00000001441.14,Npepps,protein_coding	-0.0058792	0.9553101
ENSMUSG00000017716.16,Birc5,protein_coding	-0.0058845	0.9961238
ENSMUSG00000035443.11,Thyn1,protein_coding	-0.0058874	0.9668734
ENSMUSG00000021577.15,Sdha,protein_coding	-0.0058973	0.969405
ENSMUSG00000038368.17,Focad,protein_coding	-0.0059192	0.967207
ENSMUSG00000028969.11,Cdk5,protein_coding	-0.0059389	0.9760201
ENSMUSG00000113196.2,D230049E03Rik,TEC	-0.005967	0.9788457
ENSMUSG00000036435.14,Exoc1,protein_coding	-0.0059838	0.9566581
ENSMUSG00000037887.12,Dusp8,protein_coding	-0.0059964	0.9753591
ENSMUSG00000104374.2,Gm37517,TEC	-0.0059979	0.9877685
ENSMUSG00000037257.9,Aagab,protein_coding	-0.0060011	0.960812
ENSMUSG00000059518.15,Znhit1,protein_coding	-0.0060094	0.9813246
ENSMUSG00000078619.11,Smarcd2,protein_coding	-0.0060235	0.9844443
ENSMUSG00000022338.9,Eny2,protein_coding	-0.006029	0.9671016
ENSMUSG00000079481.12,Nhsl2,protein_coding	-0.0060327	0.9726293
ENSMUSG00000056050.16,Mia3,protein_coding	-0.0060575	0.9586264
ENSMUSG00000016344.15,Ppdpf,protein_coding	-0.0060601	0.9759632
ENSMUSG00000028675.13,Pnrc2,protein_coding	-0.0060661	0.9786432
ENSMUSG00000100053.3,Gm28154,lncRNA	-0.0060814	0.9886603
ENSMUSG00000032621.9,Srek1,protein_coding	-0.0061537	0.9659926
ENSMUSG00000021681.9,Aggf1,protein_coding	-0.0061862	0.9562712
ENSMUSG00000061603.9,Akap6,protein_coding	-0.0061905	0.9695548
ENSMUSG00000040473.16,Cfap69,protein_coding	-0.0062433	0.9730131
ENSMUSG00000057177.13,Gsk3a,protein_coding	-0.0062737	0.9750119
ENSMUSG00000107148.2,Gm42888,TEC	-0.0063082	0.9862173
ENSMUSG00000128095.1,ENSMUSG00000128095,lncRNA	-0.0063202	0.9887748
ENSMUSG00000027613.16,Eif6,protein_coding	-0.0063388	0.9807064
ENSMUSG00000022752.10,Tomm70a,protein_coding	-0.0063505	0.9723658
ENSMUSG00000029817.12,Tra2a,protein_coding	-0.0063573	0.9702317
ENSMUSG00000033499.15,Larp4b,protein_coding	-0.0063574	0.9546882
ENSMUSG00000024594.10,Prrc1,protein_coding	-0.0063706	0.9614227
ENSMUSG00000008348.10,Ubc,protein_coding	-0.0063727	0.9677472
ENSMUSG00000020092.10,Pald1,protein_coding	-0.0063887	0.9745735
ENSMUSG00000038156.17,Spon1,protein_coding	-0.0064034	0.9614062
ENSMUSG00000036504.7,Phpt1,protein_coding	-0.006414	0.9709148
ENSMUSG00000028995.15,Hycc1,protein_coding	-0.006419	0.9750136
ENSMUSG00000090935.11,Synj2bp,protein_coding	-0.0064489	0.9703557
ENSMUSG00000028608.16,Czib,protein_coding	-0.0064754	0.9579979
ENSMUSG00000116735.2,Gm49555,TEC	-0.0064759	0.984585
ENSMUSG00000039989.8,Cbx4,protein_coding	-0.0065054	0.9605951
ENSMUSG00000020091.17,Eif4ebp2,protein_coding	-0.0065386	0.9564171
ENSMUSG00000019977.17,Hbs1l,protein_coding	-0.0065527	0.9561764
ENSMUSG00000057788.14,Ddx49,protein_coding	-0.0065687	0.9729865

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ENSMUSG00000028256.17,Odf2l,protein_coding	-0.0065886	0.970106
ENSMUSG00000105374.2,Gm42551,TEC	-0.0065967	0.9829543
ENSMUSG00000086370.12,Ftx,lncRNA	-0.0066291	0.9787661
ENSMUSG00000115681.4,Gm2682,lncRNA	-0.006653	0.9935815
ENSMUSG00000024381.18,Bin1,protein_coding	-0.0066562	0.9626469
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ENSMUSG00000043602.6,Zfp3,protein_coding	-0.0067419	0.9735241
ENSMUSG00000041084.9,Ostc,protein_coding	-0.0067756	0.9669793
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ENSMUSG00000035765.11,Dym,protein_coding	-0.0067885	0.9540287
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ENSMUSG00000051469.15,Zfp24,protein_coding	-0.0068298	0.9681046
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ENSMUSG00000031960.15,Aars1,protein_coding	-0.0070157	0.9695768
ENSMUSG00000121247.2,Gm57404,lncRNA	-0.0070408	0.9703579
ENSMUSG00000029408.14,Abcb9,protein_coding	-0.0070486	0.9735391
ENSMUSG00000019738.16,Polr2i,protein_coding	-0.0070514	0.9803305
ENSMUSG00000058444.9,Map2k5,protein_coding	-0.0070521	0.9594948
ENSMUSG00000102837.2,Gm37383,TEC	-0.0070583	0.9892248
ENSMUSG00000001248.16,Gramd1a,protein_coding	-0.0070597	0.9653294
ENSMUSG00000020453.18,Patz1,protein_coding	-0.0071062	0.9574619
ENSMUSG00000037514.19,Pank2,protein_coding	-0.0071075	0.9420455
ENSMUSG00000037196.7,Pacrg,protein_coding	-0.0071301	0.9753655
ENSMUSG00000024589.19,Nedd4l,protein_coding	-0.007139	0.9706089
ENSMUSG00000037735.9,2810032G03Rik,lncRNA	-0.0071437	0.9820665
ENSMUSG00000098176.3,Ccdc166,protein_coding	-0.0071852	0.9795722
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ENSMUSG00000033436.14,Armcx2,protein_coding	-0.0073013	0.9577132
ENSMUSG00000030643.15,Rab30,protein_coding	-0.0073486	0.967493
ENSMUSG00000017686.18,Rhot1,protein_coding	-0.0073841	0.9507756
ENSMUSG00000030876.8,Mettl9,protein_coding	-0.0074085	0.95555

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ENSMUSG00000023972.11,Ptk7,protein_coding	-0.0076037	0.9696577
ENSMUSG00000015087.15,Rabl6,protein_coding	-0.007628	0.9522641
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ENSMUSG00000039850.17,Endov,protein_coding	-0.0076459	0.9558086
ENSMUSG00000074247.11,Dda1,protein_coding	-0.0076488	0.9640613
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ENSMUSG00000026473.18,Glul,protein_coding	-0.0102532	0.9441176
ENSMUSG00000024645.6,Timm21,protein_coding	-0.0102577	0.9524424
ENSMUSG00000013584.6,Aldh1a2,protein_coding	-0.0102896	0.9804447
ENSMUSG00000104728.2,Gm42462,TEC	-0.0102923	0.9708121

ENSMUSG00000050541.15,Adra1b,protein_coding	-0.0103027	0.974546
ENSMUSG00000020484.20,Xbp1,protein_coding	-0.0103031	0.9403138
ENSMUSG00000030588.13,Yif1b,protein_coding	-0.0103037	0.9711847
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ENSMUSG00000021460.18,Auh,protein_coding	-0.010362	0.9289763
ENSMUSG00000022897.16,Dyrk1a,protein_coding	-0.0104109	0.9274563
ENSMUSG00000034022.9,Cpsf1,protein_coding	-0.0104166	0.9502448
ENSMUSG00000004069.18,Dnaja3,protein_coding	-0.0104191	0.9341858
ENSMUSG00000103924.2,Gm37895,TEC	-0.0104465	0.9745599
ENSMUSG00000028163.18,Nfkb1,protein_coding	-0.0104529	0.9691377
ENSMUSG00000038594.10,Cep85l,protein_coding	-0.0104559	0.9463375
ENSMUSG00000018379.18,Srsf1,protein_coding	-0.0104629	0.9675165
ENSMUSG00000029470.16,P2rx4,protein_coding	-0.0104773	0.9478333
ENSMUSG00000048782.17,Insc,protein_coding	-0.0104828	0.9735349
ENSMUSG00000007338.11,Mrpl49,protein_coding	-0.0104869	0.9482749
ENSMUSG00000007411.17,Mark3,protein_coding	-0.0105071	0.9338578
ENSMUSG00000029505.19,Ep400,protein_coding	-0.0105226	0.9281628
ENSMUSG00000042410.17,Agps,protein_coding	-0.0105321	0.9316154
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ENSMUSG00000030075.11,Cntn3,protein_coding	-0.0105596	0.9567814
ENSMUSG00000041471.10,Shld2,protein_coding	-0.0106308	0.9533169
ENSMUSG00000020532.19,Acaca,protein_coding	-0.0106339	0.9179723
ENSMUSG00000072623.7,Zfp9,protein_coding	-0.0106589	0.9422227
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ENSMUSG00000062929.9,Cfl2,protein_coding	-0.0106916	0.9465295
ENSMUSG00000026341.17,Actr3,protein_coding	-0.0107025	0.9501297
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ENSMUSG00000032373.16,Car12,protein_coding	-0.01089	0.9698433
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ENSMUSG00000054021.7,Sirt5,protein_coding	-0.01095	0.9524822
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ENSMUSG00000043460.8,Elfn2,protein_coding	-0.011467	0.9659025
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ENSMUSG00000108737.2,BC060293,TEC	-0.014406	0.9630957
ENSMUSG00000027384.7,Ndufaf5,protein_coding	-0.0144073	0.9353286
ENSMUSG00000095432.10,Zfp748,protein_coding	-0.0144318	0.9356196
ENSMUSG00000067377.13,Tspan6,protein_coding	-0.0144433	0.9395437
ENSMUSG00000059326.8,Csf2ra,protein_coding	-0.0144525	0.954585
ENSMUSG00000043262.17,Uevld,protein_coding	-0.0145142	0.9099725
ENSMUSG00000032400.19,Zwilch,protein_coding	-0.0145247	0.9814066
ENSMUSG00000020393.17,Kremen1,protein_coding	-0.0145276	0.9253851
ENSMUSG00000008384.9,Sertad1,protein_coding	-0.0145611	0.9616834
ENSMUSG00000042903.9,Foxo4,protein_coding	-0.0145684	0.9119457
ENSMUSG00000110010.2,Gm45629,TEC	-0.0145684	0.9551654
ENSMUSG00000041957.16,Pkp2,protein_coding	-0.0146118	0.9618355
ENSMUSG00000109674.2,Gm45470,lncRNA	-0.0146367	0.9634966
ENSMUSG00000037876.18,Jmjd1c,protein_coding	-0.0146722	0.9371696
ENSMUSG00000022710.18,Usp7,protein_coding	-0.0146983	0.8940034
ENSMUSG00000020402.12,Vdac1,protein_coding	-0.0147069	0.9351378
ENSMUSG00000102465.2,Gm38198,TEC	-0.0147229	0.954042
ENSMUSG00000034738.9,Nostrin,protein_coding	-0.0147261	0.9593668

ENSMUSG00000073131.13,Vma21,protein_coding	-0.0147326	0.9457858
ENSMUSG00000111340.2,Gm47171,TEC	-0.0147495	0.9715169
ENSMUSG00000017670.17,Elmo2,protein_coding	-0.0147555	0.8989869
ENSMUSG00000108010.3,Spehd,lncRNA	-0.0147796	0.9749339
ENSMUSG00000114584.2,Gm47694,TEC	-0.0147801	0.9520959
ENSMUSG00000003617.17,Cp,protein_coding	-0.014786	0.9760343
ENSMUSG00000101225.3,1700008J07Rik,lncRNA	-0.0147967	0.959779
ENSMUSG00000032571.15,Pik3r4,protein_coding	-0.0148045	0.9047948
ENSMUSG00000020732.14,Rab37,protein_coding	-0.0148235	0.965918
ENSMUSG00000034525.8,Ice1,protein_coding	-0.0148277	0.9080581
ENSMUSG00000020956.15,Dtd2,protein_coding	-0.0148312	0.9403016
ENSMUSG00000074918.5,Inafm2,protein_coding	-0.0148366	0.9043772
ENSMUSG00000027425.19,Kat14,protein_coding	-0.0148475	0.9007973
ENSMUSG00000054555.12,Adam12,protein_coding	-0.0148852	0.9509425
ENSMUSG00000028249.16,Sdcbp,protein_coding	-0.0148908	0.9193072
ENSMUSG00000050914.17,Ankrd37,protein_coding	-0.0148999	0.9516167
ENSMUSG00000015165.17,Hnrnpl,protein_coding	-0.0149036	0.8729567
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ENSMUSG00000024811.13,Tnks2,protein_coding	-0.0150311	0.911344
ENSMUSG00000048458.9,Inka2,protein_coding	-0.015088	0.9604631
ENSMUSG00000097840.3,Gm26756,lncRNA	-0.0151002	0.9758086
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ENSMUSG00000031983.8,2310022B05Rik,protein_coding	-0.0151451	0.9302657
ENSMUSG00000028960.21,Ube4b,protein_coding	-0.015186	0.8904322
ENSMUSG00000029213.12,Commd8,protein_coding	-0.0152027	0.9028321
ENSMUSG00000068184.8,Ndufaf2,protein_coding	-0.0152131	0.9368548
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ENSMUSG00000074826.11,Ramacl,protein_coding	-0.0152661	0.9683623
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ENSMUSG00000030020.14,Prickle2,protein_coding	-0.0153662	0.9484606
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ENSMUSG00000021728.9,Emb,protein_coding	-0.0154066	0.9336
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ENSMUSG00000026113.18,Inpp4a,protein_coding	-0.01542	0.9125394
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ENSMUSG00000078184.2,Rbm8a2,protein_coding	-0.015492	0.9773201
ENSMUSG00000062353.7,Gm15772,processed_pseudogene	-0.0155032	0.9604105
ENSMUSG00000044499.12,Hs3st5,protein_coding	-0.0155167	0.9272367
ENSMUSG00000045751.17,Mms22l,protein_coding	-0.0155227	0.9870559
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ENSMUSG00000039239.15,Tgfb2,protein_coding	-0.0155565	0.9421429
ENSMUSG00000009216.8,Fam163b,protein_coding	-0.0155586	0.957488
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ENSMUSG00000032131.17,Abcg4,protein_coding	-0.0158336	0.9443805
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ENSMUSG00000045174.11,Amer3,protein_coding	-0.0158579	0.9313205
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ENSMUSG00000041096.14,Tspyl2,protein_coding	-0.0183513	0.925252
ENSMUSG00000019927.7,Ube2d1,protein_coding	-0.0183683	0.9095103
ENSMUSG00000000708.15,Kat2b,protein_coding	-0.0184	0.9356266
ENSMUSG00000032849.15,Abcc4,protein_coding	-0.0184115	0.9329721
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ENSMUSG00000032349.14,Elovl5,protein_coding	-0.0184187	0.8999487
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ENSMUSG00000006641.13,Slc5a6,protein_coding	-0.018513	0.9147563
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ENSMUSG00000104396.2,Gm37959,TEC	-0.0185239	0.9559767
ENSMUSG00000031529.6,Tnks,protein_coding	-0.0186067	0.8528925
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ENSMUSG00000024587.11,Nars1,protein_coding	-0.0187918	0.9064303
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ENSMUSG00000109051.2,Gm44913,TEC	-0.0189586	0.9410026
ENSMUSG00000029823.17,Luc7l2,protein_coding	-0.018965	0.9267086
ENSMUSG00000025646.10,Atrip,protein_coding	-0.0189814	0.9018853
ENSMUSG00000020628.17,Trappc12,protein_coding	-0.0190077	0.8823471
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ENSMUSG00000039656.18,Rxrb,protein_coding	-0.0190937	0.8997277
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ENSMUSG00000037174.19,Elf2,protein_coding	-0.0229604	0.8910313
ENSMUSG00000115987.2,Vps28,protein_coding	-0.0229645	0.9013509
ENSMUSG00000078919.11,Dpm1,protein_coding	-0.0229675	0.8898482
ENSMUSG00000009907.18,Vps4b,protein_coding	-0.0229777	0.8744318
ENSMUSG00000102651.2,Gm37080,TEC	-0.0229779	0.9721315
ENSMUSG00000070372.12,Capza1,protein_coding	-0.0229899	0.9305998
ENSMUSG00000017400.11,Stac2,protein_coding	-0.023003	0.9147443
ENSMUSG00000045671.19,Spred2,protein_coding	-0.0230267	0.8846566
ENSMUSG00000025019.18,Lcor,protein_coding	-0.02309	0.8603323
ENSMUSG00000048799.9,Cep120,protein_coding	-0.0230943	0.8658476
ENSMUSG00000003070.7,Efna2,protein_coding	-0.0230976	0.9188366
ENSMUSG00000027199.15,Gatm,protein_coding	-0.0231125	0.9240191
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ENSMUSG00000031988.11,Vps26b,protein_coding	-0.0231917	0.8789547
ENSMUSG00000104965.2,Gm43437,TEC	-0.0231927	0.9104851
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ENSMUSG00000102559.2,Gm37570,TEC	-0.0232427	0.9181138
ENSMUSG00000074922.2,Pabir1,protein_coding	-0.023267	0.9198515
ENSMUSG00000024228.13,Nudt12,protein_coding	-0.0232826	0.9354588
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ENSMUSG00000021991.10,Cacna2d3,protein_coding	-0.0233619	0.9329859
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ENSMUSG00000038860.16,Garnl3,protein_coding	-0.0234931	0.8815935
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ENSMUSG00000025393.13,Atp5f1b,protein_coding	-0.0235239	0.8825193
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ENSMUSG00000063810.8,Alms1,protein_coding	-0.0273341	0.9274177
ENSMUSG00000047789.6,Slc38a9,protein_coding	-0.0273692	0.8136727
ENSMUSG00000103753.2,Gm6934,TEC	-0.0273742	0.938972
ENSMUSG00000020340.17,Cyfip2,protein_coding	-0.027394	0.8714588
ENSMUSG00000028926.16,Cdk14,protein_coding	-0.027419	0.9027122
ENSMUSG00000030203.18,Dusp16,protein_coding	-0.027424	0.8983082
ENSMUSG00000029111.8,Nelfa,protein_coding	-0.0274278	0.8285811
ENSMUSG00000105868.2,Gm43766,TEC	-0.0274488	0.9579896
ENSMUSG00000025016.12,Tm9sf3,protein_coding	-0.02745	0.8630867
ENSMUSG00000042790.17,Rnf214,protein_coding	-0.0274575	0.7763341

ENSMUSG00000015950.14,Ncf1,protein_coding	-0.0274675	0.9815225
ENSMUSG00000025868.7,Higd2a,protein_coding	-0.027469	0.8954132
ENSMUSG00000106337.2,Gm42478,TEC	-0.027482	0.9453042
ENSMUSG00000020544.15,Cox11,protein_coding	-0.0274865	0.8938466
ENSMUSG00000093536.8,Smim17,protein_coding	-0.0274986	0.9287234
ENSMUSG00000032182.16,Yipf2,protein_coding	-0.0275114	0.8554994
ENSMUSG00000020715.10,Ern1,protein_coding	-0.0275448	0.9126329
ENSMUSG00000056770.16,Setd3,protein_coding	-0.027573	0.7948341
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ENSMUSG00000037747.10,Phyhipl,protein_coding	-0.0276041	0.8513259
ENSMUSG00000014867.10,Surf4,protein_coding	-0.0276069	0.8180266
ENSMUSG00000061032.10,Rrp1,protein_coding	-0.0276162	0.8333923
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ENSMUSG00000044573.17,Acp1,protein_coding	-0.0276847	0.8412602
ENSMUSG00000013523.14,Bcas1,protein_coding	-0.0277013	0.8919326
ENSMUSG00000120169.2,9130004C02Rik,lncRNA	-0.0277224	0.9203557
ENSMUSG00000106990.2,Gm42547,TEC	-0.0277291	0.8762915
ENSMUSG00000113786.2,Gm49384,protein_coding	-0.0277319	0.9705934
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ENSMUSG00000040034.16,Nup43,protein_coding	-0.0313027	0.9488434
ENSMUSG00000032827.16,Ppp1r9a,protein_coding	-0.0313413	0.893257
ENSMUSG00000075486.11,Commd6,protein_coding	-0.0313663	0.8305065
ENSMUSG00000143590.1,ENSMUSG00000143590,lncRNA	-0.0313699	0.9181978
ENSMUSG00000032998.17,Foxj3,protein_coding	-0.0313765	0.7535374
ENSMUSG00000036339.19,Tmem260,protein_coding	-0.0313915	0.8099625
ENSMUSG00000028572.14,Hook1,protein_coding	-0.0314276	0.8680511
ENSMUSG00000035770.9,Dync1li2,protein_coding	-0.0314729	0.799299
ENSMUSG00000020257.14,Wdr82,protein_coding	-0.0314762	0.7645548
ENSMUSG00000024534.16,Sncaip,protein_coding	-0.0314902	0.8657574
ENSMUSG00000024966.10,Stip1,protein_coding	-0.0315078	0.857912
ENSMUSG00000026698.9,Pigc,protein_coding	-0.0315298	0.818186
ENSMUSG00000015340.11,Cybb,protein_coding	-0.0315957	0.9867103
ENSMUSG00000029916.12,Agk,protein_coding	-0.0316092	0.7733882
ENSMUSG00000022008.5,Gpalpp1,protein_coding	-0.0316161	0.7631738
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ENSMUSG00000071645.7,Tut1,protein_coding	-0.031652	0.8418835
ENSMUSG00000028710.19,Atpaf1,protein_coding	-0.0317192	0.8179094
ENSMUSG00000000148.18,Brat1,protein_coding	-0.0317323	0.8318314
ENSMUSG00000106547.2,B230303O12Rik,lncRNA	-0.0317575	0.9552976
ENSMUSG00000016619.11,Nup50,protein_coding	-0.0317767	0.8112904
ENSMUSG00000028128.14,F3,protein_coding	-0.0317795	0.8584242
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ENSMUSG00000028797.21,Tmem234,protein_coding	-0.0318019	0.7725763
ENSMUSG00000019809.17,Pex3,protein_coding	-0.0318396	0.8131011
ENSMUSG00000055818.4,A230083G16Rik,lncRNA	-0.0318713	0.8792011
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ENSMUSG00000045031.19,Cetn4,protein_coding	-0.0318816	0.8916092
ENSMUSG00000029022.19,Miip,protein_coding	-0.0319316	0.8996742
ENSMUSG00000114617.2,Gm48766,TEC	-0.0319493	0.9182317
ENSMUSG00000024968.15,Rcor2,protein_coding	-0.031979	0.9122767
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ENSMUSG00000020124.11,Usp15,protein_coding	-0.0322102	0.7968105
ENSMUSG00000044986.11,Tst,protein_coding	-0.0322471	0.9069776
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ENSMUSG00000036611.6,Eepd1,protein_coding	-0.0322545	0.8647569
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ENSMUSG00000062270.15,Morf4l1,protein_coding	-0.0322827	0.8028462
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ENSMUSG00000117822.2,Eef1a1-ps1,processed_pseudogene	-0.0328489	0.9462018

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ENSMUSG00000029407.11,Uso1,protein_coding	-0.0329252	0.7519431
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ENSMUSG00000035325.17,Sec31a,protein_coding	-0.0358995	0.7427066
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ENSMUSG00000111868.3,Gm47398,lncRNA	-0.035928	0.9402751
ENSMUSG00000107606.2,Gm43873,TEC	-0.0359396	0.9206912
ENSMUSG00000020708.13,Psmc5,protein_coding	-0.0359496	0.8229137
ENSMUSG00000027668.14,Mfn1,protein_coding	-0.0359503	0.760131
ENSMUSG00000090386.13,Mir99ahg,lncRNA	-0.0359532	0.8903436
ENSMUSG00000040785.20,Ttc3,protein_coding	-0.0360042	0.8056843
ENSMUSG00000005667.9,Mthfd2,protein_coding	-0.0360054	0.9439742
ENSMUSG00000008604.12,Ubqln4,protein_coding	-0.03603	0.8027902
ENSMUSG00000103570.2,C630004M23Rik,TEC	-0.03604	0.9388251
ENSMUSG00000074578.17,Zfas1,lncRNA	-0.0360699	0.9119441
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ENSMUSG00000025232.9,Hexa,protein_coding	-0.0399666	0.8281792
ENSMUSG00000044349.17,Snhg11,protein_coding	-0.039997	0.8477797
ENSMUSG00000020349.5,Ppp2ca,protein_coding	-0.0400035	0.7700081
ENSMUSG00000103887.3,Gm37008,TEC	-0.0400498	0.9021249
ENSMUSG00000048148.19,Nwd1,protein_coding	-0.040102	0.7677726
ENSMUSG00000013858.15,Tmem259,protein_coding	-0.0401759	0.8451132
ENSMUSG00000039210.17,Gpatch2,protein_coding	-0.0402109	0.7153222
ENSMUSG00000032572.10,Col6a4,protein_coding	-0.0402202	0.9589865
ENSMUSG00000020585.6,Laptm4a,protein_coding	-0.0402257	0.7502036
ENSMUSG00000025958.15,Creb1,protein_coding	-0.0402433	0.816103
ENSMUSG00000062761.8,Zfp512,protein_coding	-0.0402529	0.6382322
ENSMUSG00000074746.4,Pdzd8,protein_coding	-0.0402847	0.7398412
ENSMUSG00000038530.12,Rgs4,protein_coding	-0.0402891	0.9177843
ENSMUSG00000060126.15,Tpt1,protein_coding	-0.0403041	0.9065085
ENSMUSG00000078578.10,Ube2d3,protein_coding	-0.0403196	0.8713867
ENSMUSG00000028410.14,Dnaja1,protein_coding	-0.0403541	0.7631802
ENSMUSG00000030609.19,Aen,protein_coding	-0.0403668	0.8423268
ENSMUSG00000019810.16,Fuca2,protein_coding	-0.0403892	0.7815478
ENSMUSG00000017291.14,Taok1,protein_coding	-0.0404062	0.8097416
ENSMUSG00000029055.18,Plch2,protein_coding	-0.0404266	0.860998
ENSMUSG00000024640.10,Psat1,protein_coding	-0.0404426	0.8215418
ENSMUSG00000034007.11,Scaper,protein_coding	-0.0404556	0.747557
ENSMUSG00000025049.7,Taf5,protein_coding	-0.0404561	0.8695651
ENSMUSG00000038085.14,Cnbd2,protein_coding	-0.0404932	0.8341301
ENSMUSG00000002477.6,Snrpd1,protein_coding	-0.0405223	0.8968598
ENSMUSG00000106251.2,Gm42658,lncRNA	-0.0405832	0.8904269
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ENSMUSG00000007440.11,Pcdha10,protein_coding	-0.0406149	0.8699101
ENSMUSG00000078815.9,Cacng6,protein_coding	-0.0406452	0.9809603
ENSMUSG00000006678.7,Pola1,protein_coding	-0.0406465	0.9301662
ENSMUSG00000066415.5,Msl2,protein_coding	-0.0406553	0.8230173
ENSMUSG00000037206.16,Islr,protein_coding	-0.0406896	0.8708158
ENSMUSG00000031774.9,Psme3ip1,protein_coding	-0.0407245	0.7096852
ENSMUSG00000097445.2,Gm26631,lncRNA	-0.0407452	0.9527082
ENSMUSG00000040488.20,Ltbp4,protein_coding	-0.0407455	0.8861172
ENSMUSG00000059920.10,4930453N24Rik,protein_coding	-0.0407558	0.8218977
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ENSMUSG00000038990.15,Cables2,protein_coding	-0.0409461	0.7723034
ENSMUSG00000042719.18,Naa25,protein_coding	-0.0409479	0.6862533
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ENSMUSG00000090112.9,Shprh,protein_coding	-0.0410354	0.8102988
ENSMUSG00000039431.17,Mtmr7,protein_coding	-0.0410881	0.8156018
ENSMUSG00000137458.1,ENSMUSG00000137458,lncRNA	-0.04109	0.915959
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ENSMUSG00000037325.11,Bbs7,protein_coding	-0.0411019	0.8040337
ENSMUSG00000034109.17,Golim4,protein_coding	-0.0411537	0.8050309

ENSMUSG00000040520.8,Manea,protein_coding	-0.0411705	0.8203335
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ENSMUSG00000027883.16,Gpsm2,protein_coding	-0.0411876	0.8733047
ENSMUSG00000007655.17,Cav1,protein_coding	-0.0412169	0.8071212
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ENSMUSG00000058267.14,Mrps14,protein_coding	-0.0415666	0.8517233
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ENSMUSG00000104391.2,Gm37960,TEC	-0.0416016	0.9218303
ENSMUSG00000008763.17,Man1a2,protein_coding	-0.0416092	0.7754833
ENSMUSG00000126938.1,ENSMUSG00000126938,lncRNA	-0.0416373	0.8854436
ENSMUSG00000029007.9,Agtrap,protein_coding	-0.0416631	0.8410558
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ENSMUSG00000033061.16,Resp18,protein_coding	-0.0419596	0.9313486
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ENSMUSG00000023118.16,Sympk,protein_coding	-0.0450827	0.7110705
ENSMUSG00000083909.2,Gm15842,processed_pseudogene	-0.0451197	0.8978348
ENSMUSG00000041684.12,Bivm,protein_coding	-0.0451626	0.7520533
ENSMUSG00000002580.8,Mien1,protein_coding	-0.0451907	0.8348152
ENSMUSG00000040896.17,Kcnd3,protein_coding	-0.0452068	0.7767161
ENSMUSG00000025245.15,Lztfl1,protein_coding	-0.0452722	0.7868162
ENSMUSG00000030264.15,Thumpd3,protein_coding	-0.0452751	0.8377314
ENSMUSG00000021371.6,Mcur1,protein_coding	-0.0452978	0.7904647
ENSMUSG00000013878.19,Rnf170,protein_coding	-0.0453306	0.7722223
ENSMUSG00000025025.15,Mxi1,protein_coding	-0.0453421	0.7520568
ENSMUSG00000024302.17,Dtna,protein_coding	-0.0453647	0.7769976
ENSMUSG00000049672.16,Zbtb14,protein_coding	-0.0453697	0.7184962
ENSMUSG00000020919.12,Stat5b,protein_coding	-0.0453772	0.8047356
ENSMUSG00000026082.12,Rev1,protein_coding	-0.0454235	0.7125022
ENSMUSG00000002413.16,Braf,protein_coding	-0.0454632	0.7207549

ENSMUSG00000037013.18,Ss18,protein_coding	-0.0454733	0.8459849
ENSMUSG00000105510.2,Gm43815,TEC	-0.045514	0.8758722
ENSMUSG00000071757.11,Zhx2,protein_coding	-0.0455147	0.7482825
ENSMUSG00000033184.15,Tmed7,protein_coding	-0.0455479	0.8279593
ENSMUSG00000042050.9,Dync2i1,protein_coding	-0.0455539	0.8004705
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ENSMUSG00000010307.8,Tmem86a,protein_coding	-0.0456653	0.8791692
ENSMUSG00000022702.17,Hira,protein_coding	-0.0457085	0.6523027
ENSMUSG00000063687.4,Pcdhb5,protein_coding	-0.0457106	0.8389389
ENSMUSG00000034269.13,Setd5,protein_coding	-0.0457122	0.6652936
ENSMUSG00000048347.6,Pcdhb18,protein_coding	-0.0457351	0.8081914
ENSMUSG00000028398.9,Dmac1,protein_coding	-0.0458017	0.8482804
ENSMUSG00000028252.21,Ccnc,protein_coding	-0.0458428	0.8075594
ENSMUSG00000084349.4,Rpl3-ps1,processed_pseudogene	-0.0458432	0.8799701
ENSMUSG00000018068.14,Ints2,protein_coding	-0.0458989	0.7852841
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ENSMUSG00000024137.10,E4f1,protein_coding	-0.0460792	0.8185472
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ENSMUSG00000020268.15,Lyrm7,protein_coding	-0.0461525	0.7915918
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ENSMUSG00000108214.2,Gm43982,TEC	-0.0462351	0.8779602
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ENSMUSG00000003161.16,Sri,protein_coding	-0.0462833	0.7792838
ENSMUSG00000103738.2,Gm37652,TEC	-0.046299	0.9124025
ENSMUSG00000041132.12,N4bp2l1,protein_coding	-0.0463329	0.7353062
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ENSMUSG00000021259.6,Cyp46a1,protein_coding	-0.046347	0.8781699
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ENSMUSG00000009207.16,Lnpk,protein_coding	-0.0465733	0.810674
ENSMUSG00000032578.8,Cish,protein_coding	-0.0466135	0.9013031
ENSMUSG00000017548.16,Suz12,protein_coding	-0.0466178	0.8734659
ENSMUSG00000038267.16,Slc22a23,protein_coding	-0.0466284	0.7808493
ENSMUSG00000025262.9,Fam120c,protein_coding	-0.0466575	0.7375212
ENSMUSG00000002015.6,Bcap31,protein_coding	-0.0466714	0.8055251
ENSMUSG00000048410.18,Zfp407,protein_coding	-0.0466853	0.7477875
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ENSMUSG00000068962.8,Zfp114,protein_coding	-0.0468935	0.8209237
ENSMUSG00000030494.15,Rhpn2,protein_coding	-0.046912	0.8296948
ENSMUSG00000035161.8,Ints6,protein_coding	-0.0469155	0.790828
ENSMUSG00000029119.10,Man2b2,protein_coding	-0.0469467	0.8569908
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ENSMUSG00000025967.17,Eef1b2,protein_coding	-0.0470417	0.908272
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ENSMUSG00000027245.12,Hypk,protein_coding	-0.0471849	0.7855724
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ENSMUSG00000022433.22,Csnk1e,protein_coding	-0.0497144	0.7304827
ENSMUSG00000110148.4,5830408C22Rik,lncRNA	-0.0497179	0.9547369
ENSMUSG00000048644.9,Ctxn1,protein_coding	-0.0497578	0.8993688
ENSMUSG00000037573.6,Tob1,protein_coding	-0.0498038	0.7704261
ENSMUSG00000033237.20,Arid2,protein_coding	-0.0498101	0.741551
ENSMUSG00000074238.7,Ap1ar,protein_coding	-0.0498121	0.6937346
ENSMUSG00000068250.14,Amn1,protein_coding	-0.0498307	0.8173903
ENSMUSG00000029189.11,Sel1l3,protein_coding	-0.049842	0.8353215
ENSMUSG00000039693.12,Msantd3,protein_coding	-0.0498456	0.7832704
ENSMUSG00000105071.2,Gm43336,TEC	-0.0498474	0.832344
ENSMUSG00000028645.12,Slc2a1,protein_coding	-0.0498697	0.8207856
ENSMUSG00000033917.16,Gde1,protein_coding	-0.0498974	0.7737697
ENSMUSG00000031715.15,Smarca5,protein_coding	-0.0499129	0.8196253
ENSMUSG00000004356.9,Utp20,protein_coding	-0.0499264	0.7699075
ENSMUSG00000049577.16,Zfpm1,protein_coding	-0.0499295	0.8570043
ENSMUSG00000021963.18,Sap18,protein_coding	-0.0499439	0.6417636
ENSMUSG00000022427.5,Tomm22,protein_coding	-0.0499978	0.739801
ENSMUSG00000031591.15,Asah1,protein_coding	-0.0499985	0.7699066
ENSMUSG00000030759.17,Far1,protein_coding	-0.0499999	0.7858446
ENSMUSG00000119552.1,Gm22798,snRNA	-0.0500119	0.9237478
ENSMUSG00000032507.16,Fbxl2,protein_coding	-0.0500172	0.7941221
ENSMUSG00000058093.14,Zfp729b,protein_coding	-0.0500215	0.8641752
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ENSMUSG00000068522.5,Aard,protein_coding	-0.050068	0.8846366
ENSMUSG00000026827.13,Gpd2,protein_coding	-0.0500914	0.7490856
ENSMUSG00000024896.10,Minpp1,protein_coding	-0.0501026	0.7564032
ENSMUSG00000026620.12,Mark1,protein_coding	-0.0501078	0.8022609

ENSMUSG00000020777.17,Acox1,protein_coding	-0.0501315	0.7203899
ENSMUSG00000074030.4,Exoc8,protein_coding	-0.0501332	0.7593456
ENSMUSG00000020988.10,L2hgdh,protein_coding	-0.0501656	0.7176224
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ENSMUSG00000021792.16,Prxl2a,protein_coding	-0.0502019	0.7104084
ENSMUSG00000020283.6,Pex13,protein_coding	-0.050216	0.7410371
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ENSMUSG00000022792.17,Yars2,protein_coding	-0.0502751	0.7769465
ENSMUSG00000038535.18,Zfp280d,protein_coding	-0.0502817	0.8029557
ENSMUSG00000018848.5,Rars1,protein_coding	-0.0502863	0.8264675
ENSMUSG00000034285.16,Nipsnap1,protein_coding	-0.0503493	0.7790893
ENSMUSG00000110206.2,Flt3l,protein_coding	-0.050374	0.8861637
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ENSMUSG00000024339.13,Tap2,protein_coding	-0.0504042	0.9463503
ENSMUSG00000106049.2,Gm43019,TEC	-0.0504101	0.8658792
ENSMUSG00000062078.16,Qki,protein_coding	-0.0504347	0.7205202
ENSMUSG00000026728.10,Vim,protein_coding	-0.0504445	0.9266119
ENSMUSG00000028035.14,Dnajb4,protein_coding	-0.0504523	0.7252248
ENSMUSG00000020152.8,Actr2,protein_coding	-0.0504528	0.7063006
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ENSMUSG00000041263.15,Rusc1,protein_coding	-0.050471	0.8209372
ENSMUSG00000031221.8,Igbp1,protein_coding	-0.0504807	0.7041919
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ENSMUSG00000027525.19,Phactr3,protein_coding	-0.0505418	0.7591967
ENSMUSG00000017288.16,Vps53,protein_coding	-0.0505592	0.6911441
ENSMUSG00000032702.17,Kank1,protein_coding	-0.0505729	0.7160022
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ENSMUSG00000037703.15,Lzts3,protein_coding	-0.0505974	0.8607753
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ENSMUSG00000021079.17,Timm9,protein_coding	-0.0507446	0.7394583
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ENSMUSG00000025825.13,Iscu,protein_coding	-0.0508391	0.8241063
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ENSMUSG00000104346.2,Pcdhga3,protein_coding	-0.0508767	0.8195039
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ENSMUSG00000024533.18,Spire1,protein_coding	-0.0509435	0.7028263
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ENSMUSG00000033214.11,Slitrk5,protein_coding	-0.0509818	0.8326996
ENSMUSG00000034732.5,Pabpc5,protein_coding	-0.0510177	0.882328
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ENSMUSG00000012535.15,Tnpo3,protein_coding	-0.0510867	0.6120662
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ENSMUSG00000023806.11,Rsph3b,protein_coding	-0.051144	0.8604483
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ENSMUSG00000015214.15,Mtmr1,protein_coding	-0.0512159	0.7035517
ENSMUSG00000034910.6,Pygo1,protein_coding	-0.0512159	0.740707
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ENSMUSG00000000776.14,Polr3d,protein_coding	-0.0512957	0.724621
ENSMUSG00000024410.16,Rmc1,protein_coding	-0.0513033	0.6975196
ENSMUSG00000027699.20,Ect2,protein_coding	-0.0513062	0.9761295
ENSMUSG00000030061.17,Uba3,protein_coding	-0.0513336	0.7604942
ENSMUSG00000042015.19,Wdr41,protein_coding	-0.051394	0.6051978
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ENSMUSG00000019831.15,Wasf1,protein_coding	-0.0514393	0.8490968
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ENSMUSG00000024076.11,Vit,protein_coding	-0.0519853	0.9065535
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ENSMUSG00000071180.6,Smim15,protein_coding	-0.0545806	0.8012369
ENSMUSG00000057058.17,Skap1,protein_coding	-0.054591	0.8941426
ENSMUSG00000112280.2,A830082N09Rik,lncRNA	-0.0545956	0.7536051
ENSMUSG00000106383.2,E330034L11Rik,TEC	-0.0546308	0.7926961
ENSMUSG00000109606.2,Gm45537,TEC	-0.0546471	0.8545669
ENSMUSG00000027649.16,Ctnnbl1,protein_coding	-0.0547176	0.7810253
ENSMUSG00000063145.11,Bbs5,protein_coding	-0.0547475	0.8104412
ENSMUSG00000020962.15,Gtf2a1,protein_coding	-0.0547598	0.7022154
ENSMUSG00000026977.18,Marchf7,protein_coding	-0.0547612	0.8022551
ENSMUSG00000023307.15,Marchf5,protein_coding	-0.0547815	0.6878781
ENSMUSG00000025932.15,Eya1,protein_coding	-0.0547969	0.8271883
ENSMUSG00000072494.8,Ppp1r3e,protein_coding	-0.0548044	0.8493366
ENSMUSG00000021905.15,Dph3,protein_coding	-0.0548133	0.7351259
ENSMUSG00000055421.9,Pcdh9,protein_coding	-0.0548651	0.6891868
ENSMUSG00000108350.2,Gm44950,TEC	-0.054877	0.7696624
ENSMUSG00000073664.12,Nbeal1,protein_coding	-0.0549154	0.773673
ENSMUSG00000091890.3,A830073O21Rik,TEC	-0.0549277	0.8793831
ENSMUSG00000026970.17,Rbms1,protein_coding	-0.0549326	0.7714793
ENSMUSG00000063358.18,Mapk1,protein_coding	-0.0549384	0.7756804
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ENSMUSG00000020620.15,Abca8b,protein_coding	-0.0549568	0.7408896
ENSMUSG00000020176.18,Grb10,protein_coding	-0.0549644	0.8382875
ENSMUSG00000108519.2,4833421K07Rik,TEC	-0.0549703	0.877837
ENSMUSG00000059003.13,Grin2a,protein_coding	-0.0549813	0.8340225
ENSMUSG00000022378.15,Cyrib,protein_coding	-0.0549905	0.6621008
ENSMUSG00000018583.6,G3bp1,protein_coding	-0.054992	0.8139307
ENSMUSG00000046402.11,Rbp1,protein_coding	-0.0550028	0.8844417
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ENSMUSG00000093661.2,Eif4e3,protein_coding	-0.0550311	0.6791338
ENSMUSG00000040033.18,Stat2,protein_coding	-0.0550517	0.8309752
ENSMUSG00000044674.7,Fzd1,protein_coding	-0.0550749	0.819049
ENSMUSG00000032336.19,Nptn,protein_coding	-0.0550965	0.7564772
ENSMUSG00000096914.5,Galntl6,protein_coding	-0.0551267	0.8403867
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ENSMUSG00000029672.17,Fam3c,protein_coding	-0.0552604	0.7207993
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ENSMUSG00000040549.17,Ckap5,protein_coding	-0.0553216	0.6203009

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ENSMUSG00000021097.16,Clmn,protein_coding	-0.0553774	0.7170438
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ENSMUSG00000027677.18,Ttc14,protein_coding	-0.0553934	0.8097483
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ENSMUSG00000021748.10,Pdhb,protein_coding	-0.0554646	0.6270561
ENSMUSG00000111131.2,9930024M15Rik,TEC	-0.0554742	0.9025898
ENSMUSG00000039178.10,Tbc1d19,protein_coding	-0.0555002	0.7402128
ENSMUSG00000059852.8,Kcng2,protein_coding	-0.0555284	0.8731673
ENSMUSG00000024426.18,Atat1,protein_coding	-0.0555467	0.7630753
ENSMUSG00000028351.6,Brinp1,protein_coding	-0.0555546	0.7843989
ENSMUSG00000033933.14,Vhl,protein_coding	-0.0555745	0.6711611
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ENSMUSG00000078713.9,Tomm5,protein_coding	-0.0557202	0.7940363
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ENSMUSG00000024622.9,Hmgxb3,protein_coding	-0.0560633	0.6025293
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ENSMUSG00000036790.6,Slitrk2,protein_coding	-0.0561228	0.7648179
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ENSMUSG00000060675.14,Plaat3,protein_coding	-0.0595125	0.728576
ENSMUSG00000102403.2,Gm38187,TEC	-0.05953	0.8505152
ENSMUSG00000071644.11,Eef1g,protein_coding	-0.0595469	0.7738509

ENSMUSG00000024457.18,Trim26,protein_coding	-0.059578	0.8370197
ENSMUSG00000027852.15,Nras,protein_coding	-0.0596017	0.6692959
ENSMUSG00000029463.6,Fam216a,protein_coding	-0.0596152	0.7607336
ENSMUSG00000026319.14,Relch,protein_coding	-0.0596958	0.6215448
ENSMUSG00000055067.16,Smyd3,protein_coding	-0.0597089	0.6350431
ENSMUSG00000043909.17,Trp53bp1,protein_coding	-0.0597248	0.6525335
ENSMUSG00000048997.18,Atxn7l2,protein_coding	-0.0597351	0.755903
ENSMUSG00000028822.12,Tmem50a,protein_coding	-0.0597512	0.7010521
ENSMUSG00000045098.20,Kmt5b,protein_coding	-0.0597689	0.678957
ENSMUSG00000054405.15,Dnajc8,protein_coding	-0.0597691	0.5481819
ENSMUSG00000027574.16,Nkain4,protein_coding	-0.0597722	0.8256227
ENSMUSG00000016257.16,Prelid3b,protein_coding	-0.0597839	0.7106258
ENSMUSG00000060657.9,Marf1,protein_coding	-0.0598059	0.6008391
ENSMUSG00000057181.17,5730455P16Rik,protein_coding	-0.0598669	0.6709269
ENSMUSG00000006800.15,Sulf2,protein_coding	-0.0598771	0.7780076
ENSMUSG00000039001.13,Rps21,protein_coding	-0.0598956	0.8509802
ENSMUSG00000115647.2,Gm49265,TEC	-0.0599208	0.8639761
ENSMUSG00000024301.11,Kifc5b,protein_coding	-0.0599213	0.8921556
ENSMUSG00000032127.10,Vps11,protein_coding	-0.0599229	0.6487231
ENSMUSG00000030512.14,Snrpa1,protein_coding	-0.0599454	0.8020024
ENSMUSG00000021051.11,Ppp2r5e,protein_coding	-0.0599877	0.5921941
ENSMUSG00000057863.7,Rpl36,protein_coding	-0.0600137	0.888937
ENSMUSG00000124476.1,ENSMUSG00000124476,lncRNA	-0.0600209	0.8080938
ENSMUSG00000015882.19,Lcorl,protein_coding	-0.0600689	0.8069425
ENSMUSG00000056258.10,Kcnq3,protein_coding	-0.0600731	0.8223125
ENSMUSG00000041577.6,Prelp,protein_coding	-0.0601103	0.8114353
ENSMUSG00000068523.13,Gng5,protein_coding	-0.0601292	0.9205266
ENSMUSG00000028896.14,Rcc1,protein_coding	-0.0601648	0.8740416
ENSMUSG00000037710.9,Cisd1,protein_coding	-0.0601681	0.7559466
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ENSMUSG00000000957.12,Mmp14,protein_coding	-0.0604802	0.8187558
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ENSMUSG00000028851.7,Nudc,protein_coding	-0.0605332	0.661817
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ENSMUSG00000060227.16,Golm2,protein_coding	-0.0606793	0.6869731

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ENSMUSG00000070733.14,Fryl,protein_coding	-0.0608724	0.6037801
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ENSMUSG00000030591.18,Psmd8,protein_coding	-0.0612169	0.7111976
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ENSMUSG00000049916.13,2610318N02Rik,protein_coding	-0.061291	0.9491871
ENSMUSG00000028672.14,Hmgcl,protein_coding	-0.0613078	0.7272947
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ENSMUSG00000103377.2,Gm37180,TEC	-0.0649765	0.8259514
ENSMUSG00000033157.18,Abhd10,protein_coding	-0.0649785	0.641634
ENSMUSG00000026005.16,Rpe,protein_coding	-0.0649827	0.756769
ENSMUSG00000021010.10,Npas3,protein_coding	-0.0650043	0.6621342
ENSMUSG00000039904.10,Gpr37,protein_coding	-0.0650199	0.7160747
ENSMUSG00000046573.8,Lyrm4,protein_coding	-0.0650325	0.7613771
ENSMUSG00000069769.14,Msi2,protein_coding	-0.0650436	0.5533821
ENSMUSG00000024913.17,Lrp5,protein_coding	-0.0651218	0.736765
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ENSMUSG00000048834.17,Vstm2a,protein_coding	-0.0651797	0.7753921
ENSMUSG00000002055.10,Spag5,protein_coding	-0.0651857	0.7925919
ENSMUSG00000038738.16,Shank1,protein_coding	-0.065218	0.7750158
ENSMUSG00000086629.11,2810403D21Rik,lncRNA	-0.0652224	0.8234695
ENSMUSG00000057069.8,Ero1b,protein_coding	-0.0652785	0.8054543
ENSMUSG00000036817.15,Sun1,protein_coding	-0.0652872	0.6619279
ENSMUSG00000104116.2,Gm37296,TEC	-0.0653178	0.8600688

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ENSMUSG00000039195.5,Bbln,protein_coding	-0.065355	0.844671
ENSMUSG00000029554.16,Mad1l1,protein_coding	-0.0653551	0.7777883
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ENSMUSG00000025326.13,Ube3a,protein_coding	-0.0654344	0.7577303
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ENSMUSG00000023942.16,Slc29a1,protein_coding	-0.0655337	0.7374032
ENSMUSG00000032612.15,Usp4,protein_coding	-0.0655376	0.5137719
ENSMUSG00000022935.17,Grik1,protein_coding	-0.06554	0.6324294
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ENSMUSG00000051329.14,Nup160,protein_coding	-0.0705939	0.8017969
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ENSMUSG00000109575.2,Gm44831,TEC	-0.0706192	0.8252051
ENSMUSG00000063663.12,Brwd3,protein_coding	-0.070687	0.7577328
ENSMUSG00000033669.9,Zfp7,protein_coding	-0.0706946	0.7064137
ENSMUSG00000035236.18,Scai,protein_coding	-0.0707746	0.7221518
ENSMUSG00000102258.2,Gm38257,TEC	-0.0707905	0.7794765
ENSMUSG00000040225.16,Prrc2c,protein_coding	-0.070817	0.502635
ENSMUSG00000022641.16,Bbx,protein_coding	-0.0708748	0.7547511
ENSMUSG00000054383.3,Pnma1,protein_coding	-0.070875	0.8554626
ENSMUSG00000020235.17,Fzr1,protein_coding	-0.0708982	0.7163851
ENSMUSG00000049521.3,Cdc42ep1,protein_coding	-0.0709033	0.7303882
ENSMUSG00000023262.14,Acy1,protein_coding	-0.0709535	0.729855
ENSMUSG00000129828.1,ENSMUSG00000129828,lncRNA	-0.0709748	0.8183142
ENSMUSG00000111505.2,Gm48673,TEC	-0.0709866	0.8369129
ENSMUSG00000037470.15,Uggt1,protein_coding	-0.071008	0.6009784
ENSMUSG00000097466.11,D430036J16Rik,lncRNA	-0.0710333	0.8541089
ENSMUSG00000066613.15,Zfp932,protein_coding	-0.0710367	0.7906986
ENSMUSG00000021958.6,Pinx1,protein_coding	-0.0710487	0.7511493
ENSMUSG00000029642.12,Polr1d,protein_coding	-0.0710944	0.729477
ENSMUSG00000107937.2,Gm44200,lncRNA	-0.0710968	0.8360558
ENSMUSG00000040325.17,Dcaf1,protein_coding	-0.0711076	0.5505755
ENSMUSG00000048920.9,Fkrp,protein_coding	-0.0711107	0.6467413
ENSMUSG00000028403.16,Zdhhc21,protein_coding	-0.0711434	0.691675
ENSMUSG00000042396.11,Rbm7,protein_coding	-0.0711471	0.735439
ENSMUSG00000044033.17,Ccdc141,protein_coding	-0.0711658	0.6366154
ENSMUSG00000032374.15,Plod2,protein_coding	-0.0712017	0.7175294
ENSMUSG00000047804.16,Akap10,protein_coding	-0.0713316	0.578945
ENSMUSG00000057406.17,Nsd2,protein_coding	-0.0713369	0.5662316
ENSMUSG00000028020.17,Glrb,protein_coding	-0.071338	0.7142758
ENSMUSG00000072214.9,Septin5,protein_coding	-0.0713435	0.8012258

ENSMUSG00000032089.17,Il10ra,protein_coding	-0.0713643	0.8721
ENSMUSG00000024271.9,Elp2,protein_coding	-0.0713735	0.4720791
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ENSMUSG00000028618.12,Tmem59,protein_coding	-0.0714433	0.5888903
ENSMUSG00000040021.15,Lats1,protein_coding	-0.0714714	0.6210826
ENSMUSG00000085665.3,Gm12059,lncRNA	-0.071523	0.8996248
ENSMUSG00000131906.1,ENSMUSG00000131906,lncRNA	-0.0715234	0.8879063
ENSMUSG00000086638.9,4930405A21Rik,lncRNA	-0.0715511	0.8355003
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ENSMUSG00000022762.19,Ncam2,protein_coding	-0.0718017	0.7327454
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ENSMUSG00000041362.18,Shtn1,protein_coding	-0.0718407	0.5823746
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ENSMUSG00000030751.19,Psma1,protein_coding	-0.0719349	0.651422
ENSMUSG00000024608.12,Rps14,protein_coding	-0.0719495	0.8282704
ENSMUSG00000104420.2,E230020A03Rik,TEC	-0.071969	0.7758173
ENSMUSG00000024695.17,Zfp91,protein_coding	-0.0719756	0.5520805
ENSMUSG00000040463.17,Mybbp1a,protein_coding	-0.0719843	0.8088732
ENSMUSG00000034177.16,Rnf43,protein_coding	-0.0719882	0.8973526
ENSMUSG00000027763.14,Mbnl1,protein_coding	-0.0720356	0.8290472
ENSMUSG00000040855.16,Reps2,protein_coding	-0.0720626	0.7337199
ENSMUSG00000027639.17,Samhd1,protein_coding	-0.0720635	0.9001062
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ENSMUSG00000032463.11,Faim,protein_coding	-0.0720801	0.5628636
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ENSMUSG00000032101.7,Ddx25,protein_coding	-0.0722979	0.6841242
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ENSMUSG00000026723.11,Trdmt1,protein_coding	-0.0723327	0.7437934
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ENSMUSG00000055884.9,Fancm,protein_coding	-0.0724897	0.6081529
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ENSMUSG00000061313.11,Ddhd2,protein_coding	-0.0726169	0.4813444
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ENSMUSG00000071266.14,Zfp946,protein_coding	-0.0763321	0.8312006
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ENSMUSG00000094483.3,Purb,protein_coding	-0.0763967	0.6604556
ENSMUSG00000051950.11,B3glct,protein_coding	-0.076409	0.6439683
ENSMUSG00000019478.18,Rab4a,protein_coding	-0.0764322	0.6504877
ENSMUSG00000116185.2,Gm49411,TEC	-0.076462	0.7822068
ENSMUSG00000041343.20,Ankrd42,protein_coding	-0.0764886	0.7560761
ENSMUSG00000021936.15,Mapk8,protein_coding	-0.0765012	0.6483006
ENSMUSG00000024781.17,Lipa,protein_coding	-0.0765378	0.5525172
ENSMUSG00000104913.2,Gm6560,processed_pseudogene	-0.0765552	0.7885559
ENSMUSG00000037410.14,Tbc1d2b,protein_coding	-0.0765554	0.5677844
ENSMUSG00000025026.16,Add3,protein_coding	-0.0765783	0.5545822
ENSMUSG00000042742.8,Bmt2,protein_coding	-0.0765995	0.6825704
ENSMUSG00000039765.16,Cc2d2a,protein_coding	-0.0766144	0.6220713
ENSMUSG00000107483.2,Gm44288,TEC	-0.0766515	0.8107308
ENSMUSG00000105247.2,Gm42519,TEC	-0.0766655	0.8861263
ENSMUSG00000025130.12,P4hb,protein_coding	-0.0766922	0.6162388
ENSMUSG00000022329.16,Stk3,protein_coding	-0.0766989	0.725444
ENSMUSG00000022403.16,St13,protein_coding	-0.0767164	0.5337016
ENSMUSG00000042419.9,Nfkbil1,protein_coding	-0.0767424	0.7325643
ENSMUSG00000044147.9,Arf6,protein_coding	-0.0767568	0.7063881
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ENSMUSG00000038024.18,Dennd4c,protein_coding	-0.0768089	0.6848755
ENSMUSG00000059486.12,Kbtbd2,protein_coding	-0.0768095	0.4702559
ENSMUSG00000039270.10,Megf9,protein_coding	-0.0768463	0.6324508
ENSMUSG00000035107.14,Dcbld2,protein_coding	-0.0768587	0.4084631
ENSMUSG00000028583.15,Pdpn,protein_coding	-0.0768919	0.7673706
ENSMUSG00000109539.2,Gm44667,TEC	-0.076924	0.8215084
ENSMUSG00000029263.16,Pigg,protein_coding	-0.076935	0.5413492
ENSMUSG00000041278.11,Ttc1,protein_coding	-0.0769898	0.5908908
ENSMUSG00000033502.16,Cdc14a,protein_coding	-0.0769987	0.8260209
ENSMUSG00000022234.16,Cct5,protein_coding	-0.0770507	0.7220641
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ENSMUSG00000021266.17,Wars1,protein_coding	-0.0770778	0.6860693
ENSMUSG00000052566.9,Hook2,protein_coding	-0.0770934	0.7486493
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ENSMUSG00000038872.11,Zfhx3,protein_coding	-0.0771528	0.847775
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ENSMUSG00000037286.16,Stag1,protein_coding	-0.0773454	0.6519616

ENSMUSG00000068015.9,Lrch1,protein_coding	-0.0773807	0.6770389
ENSMUSG00000004221.17,Ikbkg,protein_coding	-0.0774096	0.5351357
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ENSMUSG00000057886.6,Cbx3-ps6,transcribed_processed_pseudogene	-0.0774432	0.9656552
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ENSMUSG00000029245.17,Epha5,protein_coding	-0.077566	0.734886
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ENSMUSG00000018651.15,Tada2a,protein_coding	-0.0780386	0.5443006
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ENSMUSG00000028402.20,Mpdz,protein_coding	-0.0820998	0.5883629
ENSMUSG00000027937.16,Jtb,protein_coding	-0.0821569	0.666217
ENSMUSG00000023044.3,Csad,protein_coding	-0.0821641	0.5590082
ENSMUSG00000024513.17,Mbd2,protein_coding	-0.0822045	0.6891208
ENSMUSG00000022789.16,Dnm1l,protein_coding	-0.0822047	0.5660112

ENSMUSG00000103324.2,Gm37402,TEC	-0.0822428	0.8267981
ENSMUSG00000054074.11,Skida1,protein_coding	-0.082245	0.6220469
ENSMUSG00000045867.11,Cradd,protein_coding	-0.08226	0.7392798
ENSMUSG00000025240.11,Sacm1l,protein_coding	-0.0823137	0.5975177
ENSMUSG00000030780.16,Rusf1,protein_coding	-0.0823309	0.5468638
ENSMUSG00000038244.15,Mical2,protein_coding	-0.0823315	0.702954
ENSMUSG00000030335.7,Mrpl51,protein_coding	-0.082346	0.5400259
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ENSMUSG00000023967.10,Mrps18a,protein_coding	-0.0823959	0.6472776
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ENSMUSG00000041144.13,Dnah7b,protein_coding	-0.0824439	0.7162921
ENSMUSG00000129696.1,ENSMUSG00000129696,lncRNA	-0.0824735	0.862677
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ENSMUSG00000070866.5,Zfp804a,protein_coding	-0.0825073	0.6379344
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ENSMUSG00000013622.16,Atraid,protein_coding	-0.0827037	0.6837507
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ENSMUSG00000022858.17,Tra2b,protein_coding	-0.0828222	0.7546658
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ENSMUSG00000015247.11,Nipsnap3b,protein_coding	-0.0828484	0.7930942
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ENSMUSG00000015733.14,Capza2,protein_coding	-0.082881	0.5622495
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ENSMUSG00000023947.9,Nfkbie,protein_coding	-0.0880902	0.898879
ENSMUSG00000066637.3,Ttc32,protein_coding	-0.0881286	0.8495914
ENSMUSG00000059669.9,Taf1b,protein_coding	-0.0881317	0.5739197
ENSMUSG00000020580.11,Rock2,protein_coding	-0.0881815	0.550951
ENSMUSG00000110877.2,Gm47427,TEC	-0.088182	0.8414918
ENSMUSG00000028551.15,Cdkn2c,protein_coding	-0.0881826	0.9284829
ENSMUSG00000052920.17,Prkg1,protein_coding	-0.0881922	0.6587501
ENSMUSG00000131949.1,ENSMUSG00000131949,lncRNA	-0.088193	0.8014277
ENSMUSG00000030556.14,Lrrc28,protein_coding	-0.0882426	0.5198962
ENSMUSG00000021112.10,Pals1,protein_coding	-0.0882497	0.5892602
ENSMUSG00000034647.16,Ankrd12,protein_coding	-0.0882839	0.5000025
ENSMUSG00000112547.3,Gm47096,lncRNA	-0.0882847	0.9089005
ENSMUSG00000025086.14,Trub1,protein_coding	-0.0883069	0.5257661
ENSMUSG00000029404.16,Arl6ip4,protein_coding	-0.0883368	0.6345119
ENSMUSG00000126526.1,ENSMUSG00000126526,lncRNA	-0.0883376	0.6980388
ENSMUSG00000038323.4,1700066M21Rik,protein_coding	-0.0883483	0.7203321
ENSMUSG00000032394.7,Igdcc3,protein_coding	-0.0883487	0.7835819
ENSMUSG00000107643.2,Gm43885,TEC	-0.0883704	0.7239647
ENSMUSG00000128947.1,ENSMUSG00000128947,lncRNA	-0.0883791	0.899583
ENSMUSG00000063785.13,Utp14a,protein_coding	-0.0884169	0.6519111
ENSMUSG00000049232.4,Tigd2,protein_coding	-0.0884218	0.5823729

ENSMUSG00000030884.13,Uqcrc2,protein_coding	-0.0884421	0.596738
ENSMUSG00000021013.17,Ttc8,protein_coding	-0.0884853	0.589347
ENSMUSG00000041935.11,Rimoc1,protein_coding	-0.0884941	0.5897748
ENSMUSG00000032803.16,Cdv3,protein_coding	-0.0885036	0.633855
ENSMUSG00000029147.12,Ppm1g,protein_coding	-0.0886699	0.6617634
ENSMUSG00000106018.2,Gm43527,TEC	-0.0888123	0.8306219
ENSMUSG00000037996.18,Slc24a2,protein_coding	-0.088823	0.6591016
ENSMUSG00000034160.14,Ogt,protein_coding	-0.0888247	0.5398397
ENSMUSG00000086682.4,Gm16023,lncRNA	-0.088828	0.8327701
ENSMUSG00000036779.14,Tent4b,protein_coding	-0.0888419	0.4487228
ENSMUSG00000020780.16,Srp68,protein_coding	-0.0888577	0.4763562
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ENSMUSG00000025277.15,Abhd6,protein_coding	-0.0889249	0.6102144
ENSMUSG00000022833.8,Ccdc14,protein_coding	-0.0889366	0.7281998
ENSMUSG00000017264.17,Exosc10,protein_coding	-0.0889549	0.5941058
ENSMUSG00000105265.8,Sox2ot,lncRNA	-0.0890741	0.8075242
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ENSMUSG00000068798.11,Rap1a,protein_coding	-0.0892956	0.717756
ENSMUSG00000028719.9,Cmpk1,protein_coding	-0.0893953	0.6852717
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ENSMUSG00000026196.8,Bard1,protein_coding	-0.089659	0.9423118
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ENSMUSG00000050310.10,Rictor,protein_coding	-0.0900358	0.5006436
ENSMUSG00000027714.12,Exosc9,protein_coding	-0.0900865	0.579424
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ENSMUSG00000027304.10,Rtf1,protein_coding	-0.0901656	0.4077441
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ENSMUSG00000024436.17,Mrps18b,protein_coding	-0.0944809	0.6079547
ENSMUSG00000028898.16,Trnau1ap,protein_coding	-0.0945278	0.6422611
ENSMUSG00000054099.12,Slc25a40,protein_coding	-0.0945398	0.6020598
ENSMUSG00000022525.14,Plaat1,protein_coding	-0.094542	0.6620296
ENSMUSG00000052062.15,Pard3b,protein_coding	-0.0945506	0.5486863
ENSMUSG00000115756.2,Gm49519,lncRNA	-0.0946249	0.8385556
ENSMUSG00000034023.17,Fancd2,protein_coding	-0.0946369	0.8914475
ENSMUSG00000051147.11,Nat2,protein_coding	-0.0946783	0.894762
ENSMUSG00000021028.9,Mbip,protein_coding	-0.0947007	0.6743015
ENSMUSG00000026167.15,Wnt10a,protein_coding	-0.0948262	0.8563273
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ENSMUSG00000043719.15,Col6a6,protein_coding	-0.0949253	0.769504
ENSMUSG00000028821.9,Syf2,protein_coding	-0.0949349	0.5522923
ENSMUSG00000099689.7,Zfp383,protein_coding	-0.0949384	0.6003756
ENSMUSG00000020321.17,Mdh1,protein_coding	-0.0949547	0.6307855
ENSMUSG00000066232.5,Ipo7,protein_coding	-0.0950205	0.5352966
ENSMUSG00000032698.16,Lmo2,protein_coding	-0.0950239	0.6160811
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ENSMUSG00000043192.5,Gpi-ps,processed_pseudogene	-0.0950774	0.712527
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ENSMUSG00000113216.4,Gm40841,lncRNA	-0.0952651	0.6540171
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ENSMUSG00000026087.12,Mrpl30,protein_coding	-0.0954868	0.5468861
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ENSMUSG00000005198.16,Polr2a,protein_coding	-0.0956728	0.6430217
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ENSMUSG00000097415.5,AU020206,lncRNA	-0.0961715	0.932178
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ENSMUSG00000035215.10,Lsm7,protein_coding	-0.0969881	0.6531121
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ENSMUSG00000002660.9,Clpp,protein_coding	-0.1008589	0.6526906
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ENSMUSG00000029048.4,Rer1,protein_coding	-0.1009561	0.5362247
ENSMUSG00000034484.9,Snx2,protein_coding	-0.1009917	0.4093095
ENSMUSG00000055409.15,Nell1,protein_coding	-0.1010183	0.721097
ENSMUSG00000063646.19,Jakmip1,protein_coding	-0.1010453	0.6897308
ENSMUSG00000117003.2,Gm49937,lncRNA	-0.1010581	0.7015506
ENSMUSG00000021222.10,Dcaf4,protein_coding	-0.1010598	0.6443339
ENSMUSG00000001247.17,Lsr,protein_coding	-0.1010945	0.7029078
ENSMUSG00000106447.2,Gm42957,protein_coding	-0.1010971	0.90114
ENSMUSG00000021374.11,Nup153,protein_coding	-0.1011095	0.6330932
ENSMUSG00000040675.18,Mthfd1l,protein_coding	-0.1011491	0.8187179
ENSMUSG00000061740.9,Cyp2d22,protein_coding	-0.101263	0.709737
ENSMUSG00000020598.17,Nrcam,protein_coding	-0.1012751	0.57335
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ENSMUSG00000030691.16,Fchsd2,protein_coding	-0.1013754	0.6875864
ENSMUSG00000025235.9,Bbs4,protein_coding	-0.1013911	0.4860416
ENSMUSG00000037461.11,Ints7,protein_coding	-0.1013991	0.6658073
ENSMUSG00000105597.2,4633401B06Rik,TEC	-0.1015246	0.7481736
ENSMUSG00000097164.5,Cep83os,lncRNA	-0.1015345	0.5329619
ENSMUSG00000108920.2,Gm44678,TEC	-0.1015424	0.787432
ENSMUSG00000018965.12,Ywhah,protein_coding	-0.1015431	0.5927562
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ENSMUSG00000039108.15,Lsm14b,protein_coding	-0.1015745	0.4827063
ENSMUSG00000037818.18,Abhd18,protein_coding	-0.1016233	0.5428921
ENSMUSG00000087301.10,Gm13629,lncRNA	-0.1016314	0.6179269
ENSMUSG00000106022.2,Gm42929,TEC	-0.1016321	0.7419672
ENSMUSG00000038774.10,Ascc3,protein_coding	-0.1016333	0.5750325
ENSMUSG00000035024.18,Ncapd3,protein_coding	-0.1016704	0.4107769
ENSMUSG00000035851.15,Ythdc1,protein_coding	-0.1016856	0.6205298
ENSMUSG00000041117.10,Ccdc8,protein_coding	-0.1017139	0.7424898
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ENSMUSG00000027180.13,Fbxo3,protein_coding	-0.1017387	0.4164874
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ENSMUSG00000070343.4,Gm10288,processed_pseudogene	-0.1030319	0.7631943
ENSMUSG00000025577.8,Cbx2,protein_coding	-0.1030357	0.7958133
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ENSMUSG00000104901.2,Gm42692,TEC	-0.1031488	0.778793
ENSMUSG00000134561.1,ENSMUSG00000134561,lncRNA	-0.1031694	0.6609907
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ENSMUSG00000030737.18,Slco2b1,protein_coding	-0.1080714	0.647913
ENSMUSG00000020459.15,Mtif2,protein_coding	-0.1080944	0.3026449
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ENSMUSG00000073889.11,Il11ra1,protein_coding	-0.1081861	0.4992873
ENSMUSG00000022779.17,Top3b,protein_coding	-0.108192	0.3959491

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ENSMUSG00000030888.15,Rrp8,protein_coding	-0.1083603	0.6299543
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ENSMUSG00000075528.14,Aarsd1,protein_coding	-0.1087472	0.568961
ENSMUSG00000030796.18,Tead2,protein_coding	-0.1087611	0.7775703
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ENSMUSG00000038503.16,Mesd,protein_coding	-0.1088519	0.480482
ENSMUSG00000097121.4,D130020L05Rik,lncRNA	-0.1088992	0.6579423
ENSMUSG00000030304.12,Ergic2,protein_coding	-0.1089189	0.4527281
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ENSMUSG00000015709.10,Arnt2,protein_coding	-0.110351	0.6615881
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ENSMUSG00000077698.3,Snord12,snoRNA	-0.1156589	0.7787051
ENSMUSG00000091405.3,H4c14,protein_coding	-0.1156623	0.6706407
ENSMUSG00000025781.15,Atp5f1c,protein_coding	-0.1156832	0.4791582
ENSMUSG00000078813.4,Leng1,protein_coding	-0.1157153	0.5263602
ENSMUSG00000079317.11,Trappc2,protein_coding	-0.1157383	0.4942416
ENSMUSG00000034024.9,Cct2,protein_coding	-0.1158271	0.5666818
ENSMUSG00000117698.4,BC037704,lncRNA	-0.1158365	0.7620678
ENSMUSG00000061787.16,Rps17,protein_coding	-0.1158512	0.7296377
ENSMUSG00000051695.7,Pcbp1,protein_coding	-0.1158548	0.5084198
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ENSMUSG00000021368.16,Tbc1d7,protein_coding	-0.1159109	0.6204698
ENSMUSG00000108522.2,Gm44664,TEC	-0.1159113	0.7906422
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ENSMUSG00000026031.16,Cflar,protein_coding	-0.1160384	0.6887868
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ENSMUSG00000024943.10,Smc5,protein_coding	-0.1162122	0.5296438
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ENSMUSG00000031994.14,Adamts8,protein_coding	-0.1164427	0.6878761
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ENSMUSG00000044068.10,Zrsr2-ps1,transcribed_processed_pseudogene	-0.1182042	0.5327907
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ENSMUSG00000033453.9,Adamts15,protein_coding	-0.1241736	0.5366017
ENSMUSG00000110827.3,Gm32281,lncRNA	-0.1241939	0.7436407
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ENSMUSG00000107019.2,Gm43682,TEC	-0.124359	0.5804666
ENSMUSG00000019947.11,Arid5b,protein_coding	-0.1244435	0.3186242
ENSMUSG00000034826.15,Nup54,protein_coding	-0.1244829	0.5602823
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ENSMUSG00000102973.2,E430014B02Rik,TEC	-0.124512	0.7256368
ENSMUSG00000108521.2,Gm44639,TEC	-0.1245991	0.5938888
ENSMUSG00000104094.2,Gm37314,TEC	-0.1246533	0.6974191
ENSMUSG00000023882.16,Zfp54,protein_coding	-0.1247192	0.8046728
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ENSMUSG00000042354.8,Gnl3,protein_coding	-0.1249388	0.7329324
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ENSMUSG00000121779.1,ENSMUSG00000121779,lncRNA	-0.1340389	0.5722436
ENSMUSG00000104018.2,4833412K13Rik,TEC	-0.1340698	0.5583175
ENSMUSG00000028680.15,Plk3,protein_coding	-0.1340699	0.6293824
ENSMUSG00000035104.15,Eva1a,protein_coding	-0.1341348	0.5735878
ENSMUSG00000050930.6,Map10,protein_coding	-0.1341818	0.5092568
ENSMUSG00000037674.17,Rfx7,protein_coding	-0.1342172	0.5195539
ENSMUSG00000024921.18,Smarca2,protein_coding	-0.134323	0.5105691
ENSMUSG00000126204.1,ENSMUSG00000126204,lncRNA	-0.1343325	0.8368652
ENSMUSG00000053898.13,Ech1,protein_coding	-0.1344174	0.505563
ENSMUSG00000035399.13,Oser1,protein_coding	-0.1344871	0.6366079
ENSMUSG00000132717.1,ENSMUSG00000132717,lncRNA	-0.1345185	0.9504601
ENSMUSG00000103563.2,8030445P17Rik,TEC	-0.1345213	0.6930773
ENSMUSG00000029782.21,Tmem209,protein_coding	-0.1346389	0.524638
ENSMUSG00000055184.5,Fam72a,protein_coding	-0.1346561	0.8124336
ENSMUSG00000062184.12,Hs6st2,protein_coding	-0.1346929	0.4794233
ENSMUSG00000052581.14,Lrrtm4,protein_coding	-0.1347012	0.559186
ENSMUSG00000036693.13,Nop14,protein_coding	-0.1347176	0.5117707
ENSMUSG00000031060.17,Rbm10,protein_coding	-0.1348118	0.3600061
ENSMUSG00000009621.19,Vav2,protein_coding	-0.1348258	0.6870502
ENSMUSG00000061607.16,Mdc1,protein_coding	-0.1348393	0.5509344
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ENSMUSG00000038039.14,Gcc2,protein_coding	-0.1349261	0.2983023
ENSMUSG00000038696.15,Mapkap1,protein_coding	-0.1349452	0.1942067
ENSMUSG00000029156.12,Sgcb,protein_coding	-0.1349465	0.3252066
ENSMUSG00000034194.19,R3hcc1,protein_coding	-0.1349782	0.4999047
ENSMUSG00000005371.16,Fbxo11,protein_coding	-0.134985	0.3718963
ENSMUSG00000039682.13,Lap3,protein_coding	-0.1350186	0.4380902
ENSMUSG00000026696.16,Vamp4,protein_coding	-0.1350329	0.3857357
ENSMUSG00000022375.7,Dnaaf11,protein_coding	-0.1350382	0.736162
ENSMUSG00000035637.15,Grhpr,protein_coding	-0.1350389	0.6599433
ENSMUSG00000106978.3,N4bp2os,lncRNA	-0.1350815	0.6231047
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ENSMUSG00000035048.14,Anapc13,protein_coding	-0.135111	0.4957857
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ENSMUSG00000039714.10,Cplx3,protein_coding	-0.1351913	0.6965899
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ENSMUSG00000090053.10,Pakap,protein_coding	-0.1354649	0.5634313
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ENSMUSG00000025133.10,Ints4,protein_coding	-0.1355557	0.3792228
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ENSMUSG00000037370.14,Enpp1,protein_coding	-0.135773	0.8193211
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ENSMUSG00000014361.6,Mertk,protein_coding	-0.1360733	0.3681531
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ENSMUSG00000019647.18,Sema6a,protein_coding	-0.1369284	0.3396385
ENSMUSG00000089889.5,0610040B10Rik,lncRNA	-0.1370036	0.5900495
ENSMUSG00000037608.17,Bclaf1,protein_coding	-0.1370075	0.3518509
ENSMUSG00000028102.16,Pex11b,protein_coding	-0.1370174	0.3173573
ENSMUSG00000038365.9,Fbxo25,protein_coding	-0.1370403	0.5255344
ENSMUSG00000091997.2,Gm6611,processed_pseudogene	-0.1371373	0.7082672
ENSMUSG00000028226.16,Mmp16,protein_coding	-0.1372491	0.4693444
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ENSMUSG00000096740.9,Lbhd1,protein_coding	-0.1429466	0.5154139
ENSMUSG00000094747.4,Or4f14b,protein_coding	-0.1430956	0.8068899
ENSMUSG00000004771.13,Rab11a,protein_coding	-0.1431228	0.3657919
ENSMUSG00000030595.16,Nfkbib,protein_coding	-0.1431272	0.4840949
ENSMUSG00000031309.16,Rps6ka3,protein_coding	-0.1432453	0.4884053
ENSMUSG00000038900.18,Rpl12,protein_coding	-0.1432471	0.7457182
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ENSMUSG00000052593.17,Adam17,protein_coding	-0.143285	0.7151001
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ENSMUSG00000086129.3,Gm13558,lncRNA	-0.143326	0.6548178
ENSMUSG00000142011.1,ENSMUSG00000142011,lncRNA	-0.143342	0.6806341
ENSMUSG00000020898.19,Ctc1,protein_coding	-0.1434515	0.4001654
ENSMUSG00000054690.18,Emcn,protein_coding	-0.1435694	0.6247879
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ENSMUSG00000022962.16,Gart,protein_coding	-0.1436971	0.687389
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ENSMUSG00000087478.4,4930506C21Rik,lncRNA	-0.1440208	0.6804599
ENSMUSG00000109125.2,Gm45159,lncRNA	-0.1440463	0.668422
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ENSMUSG00000024502.11,Jakmip2,protein_coding	-0.1454001	0.346165
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ENSMUSG00000034560.7,Washc4,protein_coding	-0.1457498	0.4401192
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ENSMUSG00000028158.15,Mttp,protein_coding	-0.1464349	0.310428
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ENSMUSG00000034480.20,Diaph2,protein_coding	-0.1467038	0.4559813
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ENSMUSG00000057110.16,Cntrl,protein_coding	-0.1467582	0.7288813
ENSMUSG00000090381.3,Gm6158,processed_pseudogene	-0.1468298	0.7695291
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ENSMUSG00000021650.8,Ptcd2,protein_coding	-0.1469035	0.4531821
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ENSMUSG00000022419.17,Deptor,protein_coding	-0.1469272	0.3935384
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ENSMUSG00000134669.1,ENSMUSG00000134669,lncRNA	-0.1537414	0.8353422
ENSMUSG00000112367.2,A230081H15Rik,TEC	-0.1537622	0.6443257
ENSMUSG00000041565.19,L3mbtl4,protein_coding	-0.1537971	0.6950097
ENSMUSG00000022248.15,Rad1,protein_coding	-0.1539516	0.6264132
ENSMUSG00000090516.2,Rps11-ps1,processed_pseudogene	-0.1540272	0.8502483
ENSMUSG00000096718.3,Zfp781b,protein_coding	-0.1541205	0.5924421
ENSMUSG00000021807.7,Rtraf,protein_coding	-0.1541323	0.5238527
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ENSMUSG00000028992.14,Nmnat1,protein_coding	-0.1542768	0.4280482
ENSMUSG00000021973.10,Micu2,protein_coding	-0.1545471	0.4270805
ENSMUSG00000099061.4,Gm28050,lncRNA	-0.1546142	0.6461816
ENSMUSG00000036875.16,Dna2,protein_coding	-0.1546555	0.8466569
ENSMUSG00000020910.17,Adprm,protein_coding	-0.1547347	0.4197148
ENSMUSG00000002718.15,Cse1l,protein_coding	-0.15488	0.4564657
ENSMUSG00000025980.15,Hspd1,protein_coding	-0.1549049	0.3826043
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ENSMUSG00000027324.2,Rpusd2,protein_coding	-0.1549748	0.4517135
ENSMUSG00000027534.17,Snx16,protein_coding	-0.1549931	0.4297414
ENSMUSG00000041781.10,Cpsf2,protein_coding	-0.1550506	0.4514599
ENSMUSG00000023927.16,Satb1,protein_coding	-0.1550931	0.4907026
ENSMUSG00000032397.8,Tipin,protein_coding	-0.1551075	0.6361243
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ENSMUSG00000034974.14,Dapk3,protein_coding	-0.1552688	0.4516821
ENSMUSG00000070709.13,Zfp974,protein_coding	-0.1553048	0.4599534
ENSMUSG00000087185.3,Gm13872,lncRNA	-0.1553351	0.7615812

ENSMUSG00000113965.2,A730091E23Rik,TEC	-0.1554267	0.5440789
ENSMUSG00000003235.14,Eif2b5,protein_coding	-0.1554605	0.2925902
ENSMUSG00000046109.8,AB041806,lncRNA	-0.155464	0.702626
ENSMUSG00000020650.16,Bcap29,protein_coding	-0.1555175	0.411905
ENSMUSG00000050944.15,Efcab5,protein_coding	-0.1555182	0.4469056
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ENSMUSG00000042535.10,Gtpbp1,protein_coding	-0.1555771	0.2495896
ENSMUSG00000021224.16,Numb,protein_coding	-0.1555838	0.2520512
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ENSMUSG00000029211.12,Gabra4,protein_coding	-0.1558144	0.6210229
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ENSMUSG00000025008.16,Tctn3,protein_coding	-0.156815	0.3955839
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ENSMUSG00000031392.19,Irak1,protein_coding	-0.1578268	0.2561448
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ENSMUSG00000097216.5,4932441J04Rik,lncRNA	-0.166648	0.5514472
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ENSMUSG00000099923.5,1700105P06Rik,lncRNA	-0.1667619	0.5951309
ENSMUSG00000100801.2,Gm15459,processed_pseudogene	-0.1668426	0.2851853
ENSMUSG00000070697.5,Utp3,protein_coding	-0.1669617	0.5004788
ENSMUSG00000055026.14,Gabrg3,protein_coding	-0.1670369	0.5768464
ENSMUSG00000021243.15,Fcf1,protein_coding	-0.1671191	0.5922735
ENSMUSG00000033849.4,B3galt2,protein_coding	-0.1671345	0.4796131
ENSMUSG00000031671.12,Setd6,protein_coding	-0.1671713	0.3676116
ENSMUSG00000023984.18,Gm20517,protein_coding	-0.1672089	0.483827
ENSMUSG00000100815.2,Gm29112,lncRNA	-0.1673289	0.7777255
ENSMUSG00000027253.16,Lrp4,protein_coding	-0.1674099	0.2828625
ENSMUSG00000045994.18,B3gat1,protein_coding	-0.1674229	0.5648649
ENSMUSG00000031627.10,Irf2,protein_coding	-0.1674839	0.3613237
ENSMUSG00000099481.7,Xndc1,protein_coding	-0.1675589	0.409897
ENSMUSG00000002812.5,Flii,protein_coding	-0.1675808	0.3539195
ENSMUSG00000042901.11,Aida,protein_coding	-0.1675841	0.2685526
ENSMUSG00000014776.8,Nol3,protein_coding	-0.1676577	0.4787134
ENSMUSG00000120312.2,Gm57403,lncRNA	-0.1676756	0.4770733
ENSMUSG00000112020.2,Gm48532,TEC	-0.1676826	0.7032958
ENSMUSG00000031628.10,Casp3,protein_coding	-0.1677363	0.6433669
ENSMUSG00000056089.9,Gm5468,lncRNA	-0.1677541	0.7390058
ENSMUSG00000080875.5,Gm7332,processed_pseudogene	-0.1677694	0.8261213
ENSMUSG00000035367.10,Rmi1,protein_coding	-0.1679011	0.4432796
ENSMUSG00000049336.17,Tenm2,protein_coding	-0.1679448	0.5010666
ENSMUSG00000013089.16,Etv5,protein_coding	-0.1679721	0.3419824
ENSMUSG00000020526.13,Znhit3,protein_coding	-0.1679895	0.373092
ENSMUSG00000061013.7,Mkx,protein_coding	-0.1680306	0.3175386
ENSMUSG00000102225.2,Gm37983,TEC	-0.1680927	0.5339182
ENSMUSG00000114961.3,A930002C04Rik,lncRNA	-0.1681178	0.7806691
ENSMUSG00000028133.18,Rwdd3,protein_coding	-0.1681179	0.3585676
ENSMUSG00000050382.15,Kif7,protein_coding	-0.1681417	0.692561
ENSMUSG00000121832.2,Gm5124,lncRNA	-0.1681438	0.5267398
ENSMUSG00000026172.13,Bcs1l,protein_coding	-0.1681813	0.4202418
ENSMUSG00000120300.2,Gm56828,lncRNA	-0.1683193	0.6463802
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ENSMUSG00000002997.16,Prkar2b,protein_coding	-0.1687784	0.5313644

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ENSMUSG00000034295.12,Fhod3,protein_coding	-0.1688493	0.5038879
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ENSMUSG00000023089.13,Ndufa5,protein_coding	-0.1689545	0.3324829
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ENSMUSG00000112980.3,D430020J02Rik,lncRNA	-0.1690757	0.7272183
ENSMUSG00000048706.4,Lurap1l,protein_coding	-0.1690988	0.5791756
ENSMUSG00000070498.4,Tmem132b,protein_coding	-0.169113	0.4952626
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ENSMUSG00000028114.17,Mettl14,protein_coding	-0.1692073	0.2440973
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ENSMUSG00000031849.10,Comp,protein_coding	-0.1692468	0.8161702
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ENSMUSG00000025912.17,Mybl1,protein_coding	-0.1693878	0.8619395
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ENSMUSG00000141500.1,ENSMUSG00000141500,lncRNA	-0.1694385	0.6996712
ENSMUSG00000021326.14,Trim27,protein_coding	-0.1694609	0.3949841
ENSMUSG00000034463.5,Scara3,protein_coding	-0.1695192	0.3159904
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ENSMUSG00000016487.16,Ppfibp1,protein_coding	-0.1699042	0.495566
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ENSMUSG00000025823.10,Pdia4,protein_coding	-0.1701782	0.4584993
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ENSMUSG00000058420.9,Syt17,protein_coding	-0.1702213	0.6470701
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ENSMUSG00000117430.2,Gm49968,TEC	-0.1788655	0.4894619

ENSMUSG00000042167.7,Tent2,protein_coding	-0.1789347	0.3874
ENSMUSG00000002771.13,Grin2d,protein_coding	-0.1789494	0.5445689
ENSMUSG00000111918.2,Gm47624,TEC	-0.1791136	0.5705118
ENSMUSG00000102750.2,Gm37058,TEC	-0.1791919	0.6171198
ENSMUSG00000086841.4,2410006H16Rik,lncRNA	-0.1793206	0.6174985
ENSMUSG00000029276.14,Glmn,protein_coding	-0.1793577	0.4756818
ENSMUSG00000036904.7,Fzd8,protein_coding	-0.1794032	0.4647766
ENSMUSG00000040877.17,Wdr25,protein_coding	-0.1794613	0.3251157
ENSMUSG00000106758.2,Gm42731,TEC	-0.1794826	0.622734
ENSMUSG00000046806.14,Cyren,protein_coding	-0.1795536	0.505798
ENSMUSG00000044071.10,Tafa2,protein_coding	-0.1795818	0.5259389
ENSMUSG00000107312.2,Gm43229,TEC	-0.1796944	0.691936
ENSMUSG00000031755.7,Bbs2,protein_coding	-0.1798481	0.3082513
ENSMUSG00000039356.16,Exosc2,protein_coding	-0.1799213	0.4349008
ENSMUSG00000110080.4,Gm6145,lncRNA	-0.1799696	0.4172653
ENSMUSG00000032224.16,Fam81a,protein_coding	-0.1800185	0.5565237
ENSMUSG00000052372.11,Il1rapl1,protein_coding	-0.1800431	0.4332962
ENSMUSG00000109459.3,Gm39526,lncRNA	-0.1801261	0.6304749
ENSMUSG00000037493.7,Cib2,protein_coding	-0.1801326	0.5527028
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ENSMUSG00000060424.17,Pantr1,lncRNA	-0.1804158	0.4185637
ENSMUSG00000003411.11,Rab3b,protein_coding	-0.180458	0.4788333
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ENSMUSG00000124283.1,ENSMUSG00000124283,lncRNA	-0.1805677	0.751272
ENSMUSG00000110702.2,Gm45767,lncRNA	-0.1805889	0.5905727
ENSMUSG00000010067.14,Rassf1,protein_coding	-0.1805938	0.3413125
ENSMUSG00000054894.7,Dmac2l,protein_coding	-0.1806477	0.312717
ENSMUSG00000085811.2,Cep112it,lncRNA	-0.1806904	0.6011808
ENSMUSG00000021139.18,S2bpcox16,protein_coding	-0.1807436	0.4811289
ENSMUSG00000020357.4,Flt4,protein_coding	-0.1807456	0.4321119
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ENSMUSG00000058838.10,Rps27a-ps2,processed_pseudogene	-0.1814097	0.764621
ENSMUSG00000035757.18,Selenoo,protein_coding	-0.1814388	0.244953
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ENSMUSG00000025498.16,Irf7,protein_coding	-0.1832005	0.8531776
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ENSMUSG00000060548.14,Tnfrsf19,protein_coding	-0.1836486	0.3053912
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ENSMUSG00000020441.7,2310033P09Rik,protein_coding	-0.184622	0.3737203
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ENSMUSG00000035184.16,Fam124a,protein_coding	-0.1942707	0.4420919
ENSMUSG00000057113.14,Npm1,protein_coding	-0.1942931	0.6784867
ENSMUSG00000041482.18,Piezo2,protein_coding	-0.1943285	0.5216769
ENSMUSG00000037296.8,Lsm1,protein_coding	-0.194361	0.3539936
ENSMUSG00000002329.8,Mdp1,protein_coding	-0.1945016	0.2541103
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ENSMUSG00000049536.6,Tceal1,protein_coding	-0.1962189	0.3466089
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ENSMUSG00000029454.16,Mapkapk5,protein_coding	-0.1967148	0.2206446
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ENSMUSG00000107782.2,Gm43888,TEC	-0.2121405	0.5484482
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ENSMUSG00000037593.13,Rskr,protein_coding	-0.2124074	0.3430964
ENSMUSG00000059422.6,Gm8116,processed_pseudogene	-0.2124362	0.4173254
ENSMUSG00000103825.2,Gm38178,TEC	-0.2124777	0.5536884
ENSMUSG00000111951.2,Gm48755,TEC	-0.2125413	0.520418
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ENSMUSG00000124246.1,ENSMUSG00000124246,lncRNA	-0.2126971	0.5812401
ENSMUSG00000021175.16,Cdca7l,protein_coding	-0.2129047	0.8737074
ENSMUSG00000098234.10,Snhg6,lncRNA	-0.2129859	0.5081961
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ENSMUSG00000060176.5,Kif27,protein_coding	-0.2130895	0.5152904
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ENSMUSG00000003198.11,Zfp959,protein_coding	-0.2131321	0.5192156
ENSMUSG00000021737.5,Psmd6,protein_coding	-0.2132598	0.1718381
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ENSMUSG00000052921.14,Arhgef15,protein_coding	-0.2133272	0.2986909
ENSMUSG00000041695.3,Kcnj2,protein_coding	-0.2134361	0.5003158
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ENSMUSG00000025420.14,Katnal2,protein_coding	-0.2135988	0.4902612
ENSMUSG00000103345.2,Gm10723,TEC	-0.2136088	0.5234086
ENSMUSG00000103103.4,4833445I07Rik,lncRNA	-0.2136119	0.3785793
ENSMUSG00000031433.16,Rbm41,protein_coding	-0.2136843	0.3687577
ENSMUSG00000039384.9,Dusp10,protein_coding	-0.2137824	0.4527245
ENSMUSG00000027968.12,Larp7,protein_coding	-0.2138947	0.4924289
ENSMUSG00000122041.1,ENSMUSG00000122041,lncRNA	-0.2139761	0.5933724

ENSMUSG00000055900.16,Tmem69,protein_coding	-0.2139963	0.4316434
ENSMUSG00000022206.8,Npr3,protein_coding	-0.2141094	0.5386817
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ENSMUSG00000063235.19,Ptpmt1,protein_coding	-0.2159705	0.1729914
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ENSMUSG00000073650.10,Catip,protein_coding	-0.2324696	0.4955874
ENSMUSG00000086533.5,Mypopos,lncRNA	-0.2325627	0.7307671
ENSMUSG00000022676.8,Snai2,protein_coding	-0.232601	0.6832656
ENSMUSG00000105818.2,Gm43256,lncRNA	-0.2326684	0.4311559
ENSMUSG00000028576.13,Ift74,protein_coding	-0.2326916	0.248099
ENSMUSG00000096002.3,Vmn2r53,protein_coding	-0.2330026	0.4746987
ENSMUSG00000049176.17,Frmpd4,protein_coding	-0.2330041	0.2605255
ENSMUSG00000098404.2,Mrip-ps,unprocessed_pseudogene	-0.2330601	0.2739991
ENSMUSG00000117942.2,Maskbp3,protein_coding	-0.2331354	0.6998253
ENSMUSG00000057551.11,Zfp317,protein_coding	-0.2331811	0.0667996
ENSMUSG00000020089.9,Ppa1,protein_coding	-0.2333169	0.1575026
ENSMUSG00000059187.13,Tafa1,protein_coding	-0.2334549	0.4932542
ENSMUSG00000022969.14,Il10rb,protein_coding	-0.2335962	0.605083
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ENSMUSG00000062944.5,Zfp696,protein_coding	-0.2337562	0.3382513
ENSMUSG00000020228.12,Helb,protein_coding	-0.2337593	0.5526695
ENSMUSG00000024713.17,Pcsk5,protein_coding	-0.2341955	0.4082281
ENSMUSG00000021665.10,Hexb,protein_coding	-0.2343661	0.3975261
ENSMUSG00000020061.19,Mybpc1,protein_coding	-0.2345642	0.600015
ENSMUSG00000037958.14,Nsrp1,protein_coding	-0.2347846	0.1726484
ENSMUSG00000105571.2,Gm43662,TEC	-0.2349606	0.5879855
ENSMUSG00000136369.1,ENSMUSG00000136369,lncRNA	-0.2349693	0.6437298
ENSMUSG00000040170.14,Fmo2,protein_coding	-0.2350323	0.5243787
ENSMUSG00000120632.2,Gm57460,lncRNA	-0.2351397	0.4841304
ENSMUSG00000027487.12,Cdk5rap1,protein_coding	-0.2351738	0.2784242
ENSMUSG00000107961.3,Gm44036,lncRNA	-0.2352455	0.7181174
ENSMUSG00000021392.9,Nol8,protein_coding	-0.2353446	0.2692327
ENSMUSG00000074384.5,AI429214,protein_coding	-0.2355361	0.2829695
ENSMUSG00000067873.12,Htatsf1,protein_coding	-0.2355597	0.0754112
ENSMUSG00000016541.11,Atxn10,protein_coding	-0.2356345	0.1114452
ENSMUSG00000108035.2,Gm44021,TEC	-0.2356574	0.4805881
ENSMUSG00000085984.10,1700001G11Rik,lncRNA	-0.2357189	0.653453
ENSMUSG00000037014.5,Sstr4,protein_coding	-0.2357983	0.6004646
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ENSMUSG00000097098.10,9330111N05Rik,lncRNA	-0.2375429	0.8248671
ENSMUSG00000030541.17,Idh2,protein_coding	-0.237723	0.1843499
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ENSMUSG00000064289.16,Tank,protein_coding	-0.2392276	0.1970175
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ENSMUSG00000018509.9,Cenpv,protein_coding	-0.2577022	0.2400933
ENSMUSG00000031358.18,Msl3,protein_coding	-0.2578641	0.1785438
ENSMUSG00000030235.18,Slco1c1,protein_coding	-0.2580493	0.1141702
ENSMUSG00000132317.1,ENSMUSG00000132317,lncRNA	-0.2580826	0.6301638
ENSMUSG00000104621.2,Gm43185,TEC	-0.2581258	0.6886678
ENSMUSG00000074406.6,Zfp628,protein_coding	-0.2581658	0.2482135
ENSMUSG00000001506.11,Col1a1,protein_coding	-0.2581726	0.2312146

ENSMUSG00000109088.4,Gm44593,lncRNA	-0.2582888	0.5467156
ENSMUSG00000122623.1,ENSMUSG00000122623,lncRNA	-0.258297	0.6513422
ENSMUSG00000079491.11,H2-T10,protein_coding	-0.2583021	0.5397014
ENSMUSG00000120062.2,Gm56833,lncRNA	-0.2585181	0.5799284
ENSMUSG00000102814.2,Gm37812,TEC	-0.2585538	0.6333822
ENSMUSG00000002109.15,Ddb2,protein_coding	-0.2586238	0.2325585
ENSMUSG00000072620.4,Slfn2,protein_coding	-0.2587736	0.8476459
ENSMUSG00000090223.3,Pcp4,protein_coding	-0.2587992	0.3216098
ENSMUSG00000025877.15,Hk3,protein_coding	-0.2589335	0.7941543
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ENSMUSG00000040164.4,Kcns1,protein_coding	-0.2591045	0.46092
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ENSMUSG00000024663.21,Rab3il1,protein_coding	-0.2595602	0.3020082
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ENSMUSG00000119980.2,Gm57064,lncRNA	-0.2598807	0.5768639
ENSMUSG00000103809.2,Gm37061,TEC	-0.259891	0.4091489
ENSMUSG00000051037.16,Zfp455,protein_coding	-0.2599152	0.5938637
ENSMUSG00000069274.4,H4c6,protein_coding	-0.2599815	0.7554337
ENSMUSG00000050587.15,Lrrc4c,protein_coding	-0.2600528	0.2772743
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ENSMUSG00000021715.13,Cwc27,protein_coding	-0.2604679	0.1109202
ENSMUSG00000020884.16,Asgr1,protein_coding	-0.2604843	0.6052509
ENSMUSG00000034880.8,Mrpl34,protein_coding	-0.2605317	0.3444305
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ENSMUSG00000067869.5,Tcea1-ps1,processed_pseudogene	-0.2606954	0.6044141
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ENSMUSG00000054509.8,Parp4,protein_coding	-0.2614062	0.5607476
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ENSMUSG00000050211.15,Pla2g4e,protein_coding	-0.2621581	0.1123669
ENSMUSG00000038416.16,Cdc16,protein_coding	-0.2621973	0.0762509
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ENSMUSG00000040296.16,Rigi,protein_coding	-0.2627636	0.5469932
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ENSMUSG00000044122.16,Proca1,protein_coding	-0.2640696	0.3369087
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ENSMUSG00000020080.9,Hkdc1,protein_coding	-0.265795	0.5429225
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ENSMUSG00000140554.1,ENSMUSG00000140554,lncRNA	-0.2667115	0.6447017
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ENSMUSG00000019088.15,Dnase1l1,protein_coding	-0.2827734	0.5726252
ENSMUSG00000044813.16,Shb,protein_coding	-0.2828586	0.2953531
ENSMUSG00000137183.1,ENSMUSG00000137183,lncRNA	-0.2828758	0.8859302
ENSMUSG00000026356.16,Dars1,protein_coding	-0.2829902	0.2006966
ENSMUSG00000059058.8,Tma7-ps,processed_pseudogene	-0.2830456	0.2255645
ENSMUSG00000107017.2,Gm43196,TEC	-0.2830476	0.6864527
ENSMUSG00000022706.17,Mrpl40,protein_coding	-0.2830712	0.19565
ENSMUSG00000026385.17,Dbi,protein_coding	-0.2831448	0.2926123
ENSMUSG00000039781.16,Cep131,protein_coding	-0.2835114	0.2063692
ENSMUSG00000052428.11,Tmco1,protein_coding	-0.2837618	0.1892735
ENSMUSG00000137642.1,ENSMUSG00000137642,lncRNA	-0.2840296	0.6474434
ENSMUSG00000031487.6,Brf2,protein_coding	-0.2840299	0.1128677
ENSMUSG00000048826.8,Dact2,protein_coding	-0.2840833	0.3488118
ENSMUSG00000028497.13,Hacd4,protein_coding	-0.2841328	0.4314146
ENSMUSG00000118106.2,Gm54639,TEC	-0.2842217	0.3874961
ENSMUSG00000116881.2,Gm49674,TEC	-0.2843671	0.4648632
ENSMUSG00000031767.14,Nudt7,protein_coding	-0.2845841	0.4020387
ENSMUSG00000105119.2,Gm43765,TEC	-0.2846823	0.4856464
ENSMUSG00000016526.9,Dyrk3,protein_coding	-0.2847593	0.3608456
ENSMUSG00000014633.16,Cmc2,protein_coding	-0.2847602	0.2062195
ENSMUSG00000023192.13,Grm2,protein_coding	-0.2848036	0.478424
ENSMUSG00000028766.11,Alpl,protein_coding	-0.284861	0.4494254

ENSMUSG00000059195.11,Gm12715,transcribed_processed_pseudogene	-0.2849117	0.876698
ENSMUSG00000024066.10,Xdh,protein_coding	-0.2849448	0.6366199
ENSMUSG00000107136.2,Gm42466,TEC	-0.2849463	0.1681626
ENSMUSG00000047735.15,Samd9l,protein_coding	-0.2849875	0.7184173
ENSMUSG00000107451.2,Gm44421,lncRNA	-0.2850133	0.328974
ENSMUSG00000062012.15,Zfp13,protein_coding	-0.2854258	0.1971004
ENSMUSG00000050379.16,Septin6,protein_coding	-0.2856102	0.0514862
ENSMUSG00000002147.19,Stat6,protein_coding	-0.2859365	0.6192685
ENSMUSG00000027962.15,Vcam1,protein_coding	-0.2860914	0.5298922
ENSMUSG00000098112.9,Bin2,protein_coding	-0.2861796	0.6643974
ENSMUSG00000040254.12,Sema3d,protein_coding	-0.2864053	0.2804612
ENSMUSG00000031105.17,Slc25a14,protein_coding	-0.286425	0.2513963
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ENSMUSG00000086401.3,Gm15559,lncRNA	-0.2867759	0.4382571
ENSMUSG00000057176.5,Cfap119,protein_coding	-0.2868243	0.3607646
ENSMUSG00000087698.3,Gm13031,lncRNA	-0.2869912	0.5014027
ENSMUSG00000008301.12,Phax,protein_coding	-0.2870604	0.0534347
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ENSMUSG00000012126.17,Ubxn11,protein_coding	-0.2870957	0.2123144
ENSMUSG00000002307.17,Daxx,protein_coding	-0.2871656	0.1008766
ENSMUSG00000027170.13,Eif3m,protein_coding	-0.2875737	0.2125096
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ENSMUSG00000110311.2,Gm45410,TEC	-0.2880796	0.4804586
ENSMUSG00000031488.15,Rab11fip1,protein_coding	-0.2881462	0.2694347
ENSMUSG00000085067.5,Gm15631,lncRNA	-0.2883121	0.3425077
ENSMUSG00000032014.7,Oaf,protein_coding	-0.2884578	0.2957296
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ENSMUSG00000027955.17,Gask1b,protein_coding	-0.2885868	0.4986933
ENSMUSG00000003657.10,Calb2,protein_coding	-0.2887072	0.4665757
ENSMUSG00000103307.2,Gm19335,TEC	-0.2887969	0.5524228
ENSMUSG00000050121.10,Opalin,protein_coding	-0.2888225	0.3323661
ENSMUSG00002076874.1,Gm56151,misc_RNA	-0.2890212	0.468004
ENSMUSG00000027580.18,Helz2,protein_coding	-0.2890942	0.7409959
ENSMUSG00000028270.13,Gbp2,protein_coding	-0.2891621	0.8076063
ENSMUSG00000010825.18,Grid2ip,protein_coding	-0.2892154	0.4102603
ENSMUSG00000067860.12,Zic3,protein_coding	-0.2892269	0.3113413
ENSMUSG00000032807.6,Alox12b,protein_coding	-0.2892483	0.5307379
ENSMUSG00000129652.1,ENSMUSG00000129652,lncRNA	-0.2892783	0.5474444
ENSMUSG00000033420.13,Antxr1,protein_coding	-0.2892927	0.0546763
ENSMUSG00000073676.5,Hspe1,protein_coding	-0.2893041	0.2691576
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ENSMUSG00000058620.6,Adra2b,protein_coding	-0.2898583	0.5013717
ENSMUSG00000105199.2,Gm43581,lncRNA	-0.2898826	0.3420108
ENSMUSG00000105659.2,4930509H03Rik,lncRNA	-0.2899584	0.5448975
ENSMUSG00000063953.4,Amd2,protein_coding	-0.2899701	0.2569798
ENSMUSG00000018983.10,E2f2,protein_coding	-0.2900628	0.8009318
ENSMUSG00000067365.12,Tmem128,protein_coding	-0.2902636	0.2189478
ENSMUSG00000022912.9,Pros1,protein_coding	-0.2905576	0.3389434
ENSMUSG00000000290.14,Itgb2,protein_coding	-0.2905808	0.7759122
ENSMUSG00000087497.10,2810001G20Rik,lncRNA	-0.2906586	0.3440815

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ENSMUSG00000040848.12,Sft2d2,protein_coding	-0.290881	0.5212527
ENSMUSG00000046949.17,Nqo2,protein_coding	-0.2909671	0.2380485
ENSMUSG00000120076.2,Gm31223,lncRNA	-0.2909786	0.3092358
ENSMUSG00000022359.11,Ntaq1,protein_coding	-0.2909789	0.0922477
ENSMUSG00000020258.17,Glyctk,protein_coding	-0.2910136	0.2965032
ENSMUSG00000037613.17,Tnfrsf23,protein_coding	-0.2910311	0.4845019
ENSMUSG00000027188.9,Pamr1,protein_coding	-0.2912691	0.4556338
ENSMUSG00000048772.16,Tmem53,protein_coding	-0.2913648	0.5866014
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ENSMUSG00000044726.9,Erich5,protein_coding	-0.292005	0.5535693
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ENSMUSG00000025102.15,3110040N11Rik,protein_coding	-0.2926038	0.3142438
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ENSMUSG00000043773.7,1700048O20Rik,lncRNA	-0.292936	0.378512
ENSMUSG00000122565.1,ENSMUSG00000122565,lncRNA	-0.2929709	0.9024428
ENSMUSG00000066026.15,Dhrs3,protein_coding	-0.2930313	0.2490232
ENSMUSG00000082095.2,Gm11991,processed_pseudogene	-0.2930677	0.3258907
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ENSMUSG00000092048.4,Vmn2r85,protein_coding	-0.3090124	0.3592089
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ENSMUSG00000050700.12,Emilin3,protein_coding	-0.3095554	0.6463228
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ENSMUSG00000027489.16,Necab3,protein_coding	-0.3096674	0.3028866
ENSMUSG00000036850.5,Mrpl41,protein_coding	-0.3098521	0.1620578
ENSMUSG00000105528.2,Gm43519,TEC	-0.3099962	0.5646371
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ENSMUSG00000023963.11,Cyp39a1,protein_coding	-0.3142883	0.5808567
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ENSMUSG00000047347.8,Tdg-ps,processed_pseudogene	-0.3144842	0.1995775
ENSMUSG00000028367.6,Txn1,protein_coding	-0.3145168	0.453962
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ENSMUSG00000097028.4,Ptgs2os,lncRNA	-0.3146446	0.5035341
ENSMUSG00000009378.5,Slc16a12,protein_coding	-0.3146698	0.430224
ENSMUSG00000079293.13,Clec7a,protein_coding	-0.3147997	0.9124767
ENSMUSG00000121097.2,Gm57002,lncRNA	-0.3149689	0.5848753
ENSMUSG00000123587.1,ENSMUSG00000123587,lncRNA	-0.3151125	0.3986745
ENSMUSG00000119974.2,Gm56811,lncRNA	-0.3151271	0.1896699
ENSMUSG00000122142.1,ENSMUSG00000122142,lncRNA	-0.3151673	0.2266533
ENSMUSG00000038331.16,Satb2,protein_coding	-0.3151821	0.3943653
ENSMUSG00000133344.1,ENSMUSG00000133344,lncRNA	-0.3152552	0.2053445
ENSMUSG00000068240.6,Uba52rt,protein_coding	-0.3153766	0.4320491
ENSMUSG00000026288.15,Inpp5d,protein_coding	-0.3154526	0.7293933
ENSMUSG00000104291.2,A130071D04Rik,TEC	-0.3155252	0.8775984
ENSMUSG00000048581.13,E130311K13Rik,protein_coding	-0.3156371	0.2480391
ENSMUSG00000022342.7,Kcnv1,protein_coding	-0.3157576	0.4926461
ENSMUSG00000022701.19,Ccdc191,protein_coding	-0.3158794	0.1307479
ENSMUSG00000036718.18,Micall2,protein_coding	-0.3159282	0.2843345
ENSMUSG00000033276.19,Stk36,protein_coding	-0.3160474	0.3101393
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ENSMUSG00000081603.2,Gm14681,transcribed_processed_pseudogene	-0.3161725	0.6396035
ENSMUSG00000001134.10,Uxt,protein_coding	-0.3161757	0.2804721
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ENSMUSG00000066880.16,Zfp617,protein_coding	-0.3163235	0.0702044
ENSMUSG00000002345.19,Borcs8,protein_coding	-0.3163364	0.1233187
ENSMUSG00000097493.4,9930014A18Rik,lncRNA	-0.3164095	0.4262126
ENSMUSG00000106432.2,Gm43259,lncRNA	-0.3169211	0.3627502
ENSMUSG00000020553.9,Pctp,protein_coding	-0.3169606	0.4827635
ENSMUSG00000109109.2,Gm44953,TEC	-0.3172788	0.4330126
ENSMUSG00000033149.18,Phldb2,protein_coding	-0.3174433	0.117666
ENSMUSG00000084786.10,Ubl5,protein_coding	-0.3175673	0.1441028
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ENSMUSG00000104313.2,Gm37911,TEC	-0.3191052	0.3243761
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ENSMUSG00000066800.12,Rnasel,protein_coding	-0.3247057	0.2729795
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ENSMUSG00000030792.9,Dkkl1,protein_coding	-0.3518503	0.528243
ENSMUSG00000100033.2,Gm8337,processed_pseudogene	-0.351856	0.4919792

ENSMUSG00000054931.10,Zkscan4,protein_coding	-0.3519095	0.1574388
ENSMUSG00000129931.1,ENSMUSG00000129931,lncRNA	-0.3519752	0.2945476
ENSMUSG00000111990.2,Gm47033,lncRNA	-0.3523343	0.2999029
ENSMUSG00000108557.2,Gm44835,TEC	-0.3525288	0.6247846
ENSMUSG00000114025.2,Gm49331,transcribed_unprocessed_pseudogene	-0.3525526	0.4404974
ENSMUSG00000132424.1,ENSMUSG00000132424,lncRNA	-0.3525825	0.4776037
ENSMUSG00000061353.12,Cxcl12,protein_coding	-0.3525872	0.0814532
ENSMUSG00000047757.18,Fancb,protein_coding	-0.3526056	0.4379359
ENSMUSG00000102240.2,Gm37717,TEC	-0.3526876	0.2620459
ENSMUSG00000092051.4,Gm17229,transcribed_processed_pseudogene	-0.3526897	0.5623853
ENSMUSG00000084416.4,Rpl10a-ps1,processed_pseudogene	-0.3527175	0.3056345
ENSMUSG00000084350.2,Znf41-ps,transcribed_unprocessed_pseudogene	-0.353186	0.9048224
ENSMUSG00000031521.6,Aga,protein_coding	-0.3532924	0.4696307
ENSMUSG00000107140.2,Gm43811,TEC	-0.3534817	0.5574481
ENSMUSG00000025946.14,Pth2r,protein_coding	-0.3535191	0.5697273
ENSMUSG00000035121.7,Neil2,protein_coding	-0.3536732	0.2371109
ENSMUSG00000053038.9,Gm6180,processed_pseudogene	-0.3539446	0.3861199
ENSMUSG00000026068.12,Il18rap,protein_coding	-0.3539907	0.8541958
ENSMUSG00000041476.13,Smpx,protein_coding	-0.3541498	0.6480137
ENSMUSG00000126543.1,ENSMUSG00000126543,lncRNA	-0.3542869	0.4471132
ENSMUSG00000051435.12,Fhad1,protein_coding	-0.3546589	0.366235
ENSMUSG00000021947.12,Cryl1,protein_coding	-0.3547471	0.2343996
ENSMUSG00000040229.12,Gpr34,protein_coding	-0.3549986	0.3478149
ENSMUSG00000048497.12,Mmgt2,protein_coding	-0.3552086	0.0908726
ENSMUSG00000039153.18,Runx2,protein_coding	-0.355694	0.0911658
ENSMUSG00000046034.9,Otulin,protein_coding	-0.3557068	0.209184
ENSMUSG00000127474.1,ENSMUSG00000127474,lncRNA	-0.3558098	0.5969399
ENSMUSG00000081480.2,Gm13608,processed_pseudogene	-0.3558361	0.4899682
ENSMUSG00000079362.6,Gm43302,protein_coding	-0.3558373	0.7734708
ENSMUSG00000121107.1,9330133O14Rik,lncRNA	-0.3559148	0.0615489
ENSMUSG00000063286.10,Gvin-ps7,transcribed_unprocessed_pseudogene	-0.3560867	0.7039752
ENSMUSG00000043964.15,Orai3,protein_coding	-0.3561773	0.0805651
ENSMUSG00000027860.17,Vangl1,protein_coding	-0.3563376	0.3054501
ENSMUSG00000026222.17,Sp100,protein_coding	-0.356574	0.6787814
ENSMUSG00000022844.9,Pdia5,protein_coding	-0.3570547	0.450839
ENSMUSG00000101968.8,Teshl,lncRNA	-0.3572496	0.3279581
ENSMUSG00000050335.18,Lgals3,protein_coding	-0.3572767	0.8271051
ENSMUSG00000052861.14,Dnah6,protein_coding	-0.3574427	0.2737601
ENSMUSG00000111424.2,Gm48478,TEC	-0.3576607	0.2064667
ENSMUSG00000047021.15,Cfap65,protein_coding	-0.3578183	0.371701
ENSMUSG00000028331.13,Trmo,protein_coding	-0.3579184	0.4784829
ENSMUSG00000102719.2,Gm37760,TEC	-0.3580636	0.6606076
ENSMUSG00000107747.2,Gm5881,processed_pseudogene	-0.3580977	0.6215743
ENSMUSG00000036833.17,Pnpla7,protein_coding	-0.3582542	0.3109675
ENSMUSG00000090164.9,BC035044,protein_coding	-0.3584351	0.7815726
ENSMUSG00000059742.11,Kcnh7,protein_coding	-0.3585231	0.2906132
ENSMUSG00000032845.17,Alpk2,protein_coding	-0.3586899	0.4679413
ENSMUSG00000025357.9,Dgka,protein_coding	-0.3588998	0.1512476
ENSMUSG00000143385.1,ENSMUSG00000143385,lncRNA	-0.359059	0.5054311
ENSMUSG00000090173.9,Fbxw10,protein_coding	-0.359299	0.377954
ENSMUSG00000127648.1,ENSMUSG00000127648,lncRNA	-0.3596552	0.524773
ENSMUSG00000010797.7,Wnt2,protein_coding	-0.3602155	0.4088724

ENSMUSG00000040936.16,Ulk4,protein_coding	-0.3603877	0.2264239
ENSMUSG00000056492.7,Adgrf5,protein_coding	-0.3615422	0.0063762
ENSMUSG00000064294.13,Aox3,protein_coding	-0.3615504	0.3559585
ENSMUSG00000122616.1,ENSMUSG00000122616,lncRNA	-0.3618926	0.3267338
ENSMUSG00000107230.4,Gm19265,lncRNA	-0.3619629	0.2084538
ENSMUSG00000102685.2,Gm37373,TEC	-0.3622461	0.4463144
ENSMUSG00000090558.3,Gm17202,lncRNA	-0.3623026	0.3664475
ENSMUSG00000047414.7,Flrt2,protein_coding	-0.3623394	0.1292718
ENSMUSG00000042284.11,Itga1,protein_coding	-0.3631324	0.0334644
ENSMUSG00000109863.2,Gm45643,TEC	-0.3634853	0.319609
ENSMUSG00000039021.16,Ttc16,protein_coding	-0.3635967	0.474585
ENSMUSG00000104802.2,Gm5869,processed_pseudogene	-0.3637598	0.6402698
ENSMUSG00000029368.11,Alb,protein_coding	-0.3638748	0.8095444
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ENSMUSG00000057143.16,Trim12c,protein_coding	-0.3643004	0.6197658
ENSMUSG00000062319.3,Gm10115,lncRNA	-0.3643503	0.4506879
ENSMUSG00000070493.4,Chchd2,protein_coding	-0.3647756	0.0825286
ENSMUSG00000105501.2,5330426L24Rik,lncRNA	-0.3647796	0.8827034
ENSMUSG00000021469.10,Msx2,protein_coding	-0.3649403	0.5609497
ENSMUSG00000115263.3,Gm5089,lncRNA	-0.3651796	0.1890319
ENSMUSG00000048281.10,Dleu7,protein_coding	-0.3652802	0.5350249
ENSMUSG00000092353.3,Gm3363,lncRNA	-0.3657541	0.5180439
ENSMUSG00000020077.15,Srgn,protein_coding	-0.3658426	0.7910221
ENSMUSG00000039168.16,Dap,protein_coding	-0.365921	0.2445971
ENSMUSG00000126800.1,ENSMUSG00000126800,lncRNA	-0.3660168	0.4136711
ENSMUSG00000136278.1,ENSMUSG00000136278,lncRNA	-0.3661251	0.772883
ENSMUSG00000050730.18,Arhgap42,protein_coding	-0.3662716	0.0669006
ENSMUSG00000006360.12,Crip1,protein_coding	-0.3669799	0.5011785
ENSMUSG00000059089.5,Fcgr4,protein_coding	-0.3671144	0.7846587
ENSMUSG00000065280.3,Gm24453,snoRNA	-0.3671452	0.6713102
ENSMUSG00000004446.13,Bid,protein_coding	-0.3673054	0.5244728
ENSMUSG00000032113.17,Chek1,protein_coding	-0.3674466	0.4676251
ENSMUSG00000025902.14,Sox17,protein_coding	-0.3674922	0.24778
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ENSMUSG00000097592.4,4930500F10Rik,lncRNA	-0.3691195	0.2966747
ENSMUSG00000000031.20,H19,lncRNA	-0.3692182	0.7193496
ENSMUSG00000039936.19,Pik3cd,protein_coding	-0.3692308	0.3062529
ENSMUSG00000055991.16,Zkscan5,protein_coding	-0.3694536	0.094087
ENSMUSG00000021069.18,Pygl,protein_coding	-0.3698965	0.5000839
ENSMUSG00000022760.18,Thap7,protein_coding	-0.3702402	0.0465868
ENSMUSG00000047180.9,Neurl3,protein_coding	-0.370463	0.7904099
ENSMUSG00000116641.4,Gm41505,lncRNA	-0.3704739	0.4034595
ENSMUSG00000082329.2,Gm14287,processed_pseudogene	-0.3707067	0.8067031
ENSMUSG00000050919.11,Zfp366,protein_coding	-0.3707675	0.1308334
ENSMUSG00000038742.8,Angptl6,protein_coding	-0.3710838	0.3148006
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ENSMUSG00000103503.3,1700023G09Rik,lncRNA	-0.3737527	0.8498976
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ENSMUSG00000112332.2,4930466K18Rik,TEC	-0.3744159	0.2012038
ENSMUSG00000029822.16,Osbpl3,protein_coding	-0.3745328	0.0785244
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ENSMUSG00000029557.8,Mrm2,protein_coding	-0.3755834	0.1747622
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ENSMUSG00000015839.7,Nfe2l2,protein_coding	-0.3768618	0.3410525
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ENSMUSG00000030725.5,Lipt2,protein_coding	-0.3802142	0.3534234
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ENSMUSG00000075279.6,Mrpl23-ps1,processed_pseudogene	-0.3803396	0.159975
ENSMUSG00000034684.13,Sema3f,protein_coding	-0.3804358	0.2520215

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ENSMUSG00000083674.6,Zfp133-ps,transcribed_unitary_pseudogene	-0.383242	0.8789199
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ENSMUSG00000106567.3,2010309G21Rik,lncRNA	-0.399604	0.9013007
ENSMUSG00000022220.15,Adcy4,protein_coding	-0.3996981	0.3060466
ENSMUSG00000009687.15,Fxyd5,protein_coding	-0.4000271	0.1391966
ENSMUSG00000043461.14,Sptssb,protein_coding	-0.4001179	0.1772953
ENSMUSG00000120460.2,Gm57261,lncRNA	-0.4005027	0.4110518
ENSMUSG00000032514.12,Ttc21a,protein_coding	-0.4005555	0.4203663
ENSMUSG00000063316.14,Rpl27,protein_coding	-0.4008304	0.4637828
ENSMUSG00000100807.5,Gm29521,lncRNA	-0.4010463	0.4614071
ENSMUSG00000027316.16,Gfra4,protein_coding	-0.4012244	0.1466089
ENSMUSG00000141774.1,ENSMUSG00000141774,lncRNA	-0.4013256	0.2768915
ENSMUSG00000033063.9,Cntnap3,protein_coding	-0.401867	0.4192891
ENSMUSG00000062480.13,Acat3,protein_coding	-0.4020123	0.2873082
ENSMUSG00000130725.1,ENSMUSG00000130725,lncRNA	-0.4023346	0.3777519
ENSMUSG00000045657.4,Pcdhb10,protein_coding	-0.4024759	0.1562862
ENSMUSG00000048495.17,Tyw5,protein_coding	-0.4027277	0.0980986
ENSMUSG00000027978.10,Prss12,protein_coding	-0.4027292	0.2990365
ENSMUSG00000047606.5,Ankrd34c,protein_coding	-0.4029241	0.1451208
ENSMUSG00000019880.11,Rspo3,protein_coding	-0.4030124	0.2387177
ENSMUSG00000021643.16,Serf1,protein_coding	-0.4030798	0.1352211

ENSMUSG00000064128.9,Cenpj,protein_coding	-0.403267	0.2338776
ENSMUSG00000128351.1,ENSMUSG00000128351,protein_coding	-0.4033466	0.8629578
ENSMUSG00000054517.10,Trim65,protein_coding	-0.4036915	0.0767745
ENSMUSG00000059970.8,Hspa2,protein_coding	-0.4042547	0.1443532
ENSMUSG00000038079.15,Tmem237,protein_coding	-0.4044794	0.1422437
ENSMUSG00000052794.14,1700030K09Rik,protein_coding	-0.4045506	0.100237
ENSMUSG00000097967.3,Gm27002,lncRNA	-0.4047622	0.4521868
ENSMUSG00000044268.5,Gm4895,processed_pseudogene	-0.4048337	0.4495048
ENSMUSG00000130040.1,ENSMUSG00000130040,lncRNA	-0.4051545	0.4434716
ENSMUSG00000028197.5,Col24a1,protein_coding	-0.4055027	0.2094376
ENSMUSG00000021418.16,Rpp40,protein_coding	-0.405526	0.139746
ENSMUSG00000115155.2,Gm49182,TEC	-0.4056266	0.4590497
ENSMUSG00000102410.2,Gm36935,TEC	-0.4059594	0.3193927
ENSMUSG00000094708.2,Gm10359,processed_pseudogene	-0.4060167	0.5481616
ENSMUSG00000116081.2,Gm49593,TEC	-0.4060571	0.3870572
ENSMUSG00000021464.16,Ror2,protein_coding	-0.4060654	0.3344435
ENSMUSG00000079363.8,Gbp4,protein_coding	-0.4061643	0.7739829
ENSMUSG00000140548.1,ENSMUSG00000140548,lncRNA	-0.406337	0.2175338
ENSMUSG00000102475.2,Gm37246,processed_pseudogene	-0.4063447	0.1670218
ENSMUSG00000064823.3,Snord82,snoRNA	-0.4066082	0.4788884
ENSMUSG00000085945.5,2310014F06Rik,lncRNA	-0.4069365	0.5139969
ENSMUSG00000122184.1,ENSMUSG00000122184,lncRNA	-0.4070118	0.3989605
ENSMUSG00000021496.13,Pcbd2,protein_coding	-0.4070387	0.2456441
ENSMUSG00000032415.15,Ube3d,protein_coding	-0.4078267	0.137638
ENSMUSG00000060512.8,0610040J01Rik,protein_coding	-0.4079495	0.2893027
ENSMUSG00000121866.2,Zfp133-ps,lncRNA	-0.4079974	0.1429553
ENSMUSG00000029026.18,Trp73,protein_coding	-0.4080175	0.2959016
ENSMUSG00000105520.2,Gm42837,TEC	-0.4081571	0.3298262
ENSMUSG00000027230.10,Creb3l1,protein_coding	-0.4083105	0.1849147
ENSMUSG00000107304.3,Gm43775,TEC	-0.4086124	0.6233015
ENSMUSG00000093587.6,Gm20554,lncRNA	-0.4086199	0.5001201
ENSMUSG00000055341.11,Zfp457,protein_coding	-0.4087506	0.0876888
ENSMUSG00000043801.8,Oaz1-ps,processed_pseudogene	-0.4089359	0.1807596
ENSMUSG00000033966.9,Cdkl4,protein_coding	-0.4094668	0.3293909
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ENSMUSG00000112712.2,Gm18755,processed_pseudogene	-0.4099142	0.3192674
ENSMUSG00000028007.14,Snx7,protein_coding	-0.4099202	0.1989644
ENSMUSG00000132139.1,ENSMUSG00000132139,lncRNA	-0.410002	0.3931475
ENSMUSG00000097523.5,1700022N22Rik,lncRNA	-0.4100355	0.3244679
ENSMUSG00000104982.3,Gm32554,lncRNA	-0.4100847	0.8919632
ENSMUSG00000071041.5,Impdh2-ps,processed_pseudogene	-0.4106501	0.7167446
ENSMUSG00000106035.2,Gm43545,TEC	-0.4111078	0.3038524
ENSMUSG00000024727.10,Trpm6,protein_coding	-0.4111253	0.3686198
ENSMUSG00000046794.10,Ppp1r3b,protein_coding	-0.4113925	0.2786021
ENSMUSG00000039089.16,L3mbtl3,protein_coding	-0.4116198	0.0118573
ENSMUSG00000119989.2,Gm39213,lncRNA	-0.4120282	0.4475376
ENSMUSG00000139489.1,ENSMUSG00000139489,lncRNA	-0.4120572	0.4579515
ENSMUSG00000045394.10,Epcam,protein_coding	-0.4120717	0.8142471
ENSMUSG00000006784.15,Odad4,protein_coding	-0.4121246	0.3119349
ENSMUSG00000040302.18,Rbm48,protein_coding	-0.4124195	0.1089156
ENSMUSG00000120551.2,Gm56648,lncRNA	-0.4124475	0.3808656
ENSMUSG00000068101.12,Cenpm,protein_coding	-0.4124605	0.6088742

ENSMUSG00000031548.8,Sfrp1,protein_coding	-0.4126783	0.0784494
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ENSMUSG00000091971.4,Hspa1a,protein_coding	-0.4129048	0.2687055
ENSMUSG00000079407.11,1700110I01Rik,lncRNA	-0.4132905	0.512299
ENSMUSG00000043487.5,Acot6,protein_coding	-0.4133624	0.014524
ENSMUSG00000004885.6,Crabp2,protein_coding	-0.4134056	0.380054
ENSMUSG00000023391.9,Dlx2,protein_coding	-0.4135791	0.4742091
ENSMUSG00000135067.1,ENSMUSG00000135067,lncRNA	-0.4140261	0.8605887
ENSMUSG00000103234.2,Gm37158,TEC	-0.4143759	0.5436331
ENSMUSG00000034917.9,Tjp3,protein_coding	-0.4145102	0.649124
ENSMUSG00000037279.14,Ovol2,protein_coding	-0.41508	0.5134077
ENSMUSG00000030898.16,Cckbr,protein_coding	-0.4152101	0.2697696
ENSMUSG00000021822.4,Plau,protein_coding	-0.4152633	0.2262357
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ENSMUSG00000112825.2,Gm9118,processed_pseudogene	-0.4160712	0.6288387
ENSMUSG00000055489.9,Ano5,protein_coding	-0.4163715	0.1399028
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ENSMUSG00000026104.15,Stat1,protein_coding	-0.4166608	0.6262629
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ENSMUSG00000035208.17,Slfn8,protein_coding	-0.4175308	0.6848665
ENSMUSG00000071540.5,3425401B19Rik,protein_coding	-0.4176602	0.8053073
ENSMUSG00000143578.1,ENSMUSG00000143578,lncRNA	-0.4177652	0.2538721
ENSMUSG00000115509.3,Gm49012,lncRNA	-0.4178269	0.4345044
ENSMUSG00000091421.4,Gm4202,processed_pseudogene	-0.4183075	0.2373298
ENSMUSG00000056899.11,Immp2l,protein_coding	-0.418546	0.3284022
ENSMUSG00000097756.4,A730056A06Rik,lncRNA	-0.4188435	0.1927668
ENSMUSG00000074867.5,Zfp808,protein_coding	-0.4194141	0.4755505
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ENSMUSG00000035594.11,Chrna5,protein_coding	-0.4199064	0.4180279
ENSMUSG00000016356.19,Col20a1,protein_coding	-0.4204597	0.1837548
ENSMUSG00000038213.8,Tapbpl,protein_coding	-0.4207736	0.4585641
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ENSMUSG00000037984.10,Neurod6,protein_coding	-0.4226818	0.332852
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ENSMUSG00000097801.3,Gm26777,lncRNA	-0.4254367	0.1456049
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ENSMUSG00000040621.15,Gemin8,protein_coding	-0.4262557	0.0912156

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ENSMUSG00000078451.6,Ppil6,protein_coding	-0.4265984	0.1797524
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ENSMUSG00000019772.6,Vip,protein_coding	-0.4514096	0.229524
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ENSMUSG00000106304.2,Gm42518,lncRNA	-0.4535584	0.1822603
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ENSMUSG00000109909.2,Gm45663,TEC	-0.4585126	0.113037
ENSMUSG00000109096.2,Gm44888,TEC	-0.4586358	0.7630025
ENSMUSG00000037708.17,Spag6,protein_coding	-0.4587845	0.3267931
ENSMUSG00000091498.5,Mpc1-ps,processed_pseudogene	-0.4595732	0.3277387
ENSMUSG00000022102.14,Dok2,protein_coding	-0.4596161	0.5164314
ENSMUSG00000032355.17,Mlip,protein_coding	-0.4600365	0.2094338
ENSMUSG00000035258.16,Abi3bp,protein_coding	-0.4601417	0.4493858
ENSMUSG00000031997.10,Trpc6,protein_coding	-0.4602611	0.2718243
ENSMUSG00000058715.12,Fcer1g,protein_coding	-0.4602643	0.5704553
ENSMUSG00000073471.4,Rsph3a,protein_coding	-0.4606882	0.1216265
ENSMUSG00000078651.9,Aoc2,protein_coding	-0.4607582	0.2887757
ENSMUSG00000030214.8,Plbd1,protein_coding	-0.4610503	0.7027841
ENSMUSG00000078920.4,Ifi47,protein_coding	-0.4615114	0.7907134
ENSMUSG00000024168.9,Tmem204,protein_coding	-0.4618838	0.1271852
ENSMUSG00000061838.8,Suclg2,protein_coding	-0.4621879	0.1444934
ENSMUSG00000078963.4,Hsbp1l1,protein_coding	-0.4628797	0.2397903
ENSMUSG00000021187.15,Tc2n,protein_coding	-0.4628831	0.5635454
ENSMUSG00000118353.2,Nsa2-ps1,processed_pseudogene	-0.4628979	0.2746271
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ENSMUSG00000058443.6,Rpl10-ps3,protein_coding	-0.4639856	0.2890763
ENSMUSG00000122788.1,ENSMUSG00000122788,lncRNA	-0.4644181	0.7798449
ENSMUSG00000117692.4,Gm50114,lncRNA	-0.4648414	0.1145664
ENSMUSG00000116093.2,Gm3888,processed_pseudogene	-0.4655392	0.7094544
ENSMUSG00000103995.2,5730488B01Rik,TEC	-0.4657598	0.8295265
ENSMUSG00000025141.4,Myadml2,protein_coding	-0.4658808	0.2328597
ENSMUSG00000116508.4,Gm49463,lncRNA	-0.4662695	0.3468227
ENSMUSG00000097027.4,Gm26559,lncRNA	-0.4670022	0.1309878
ENSMUSG00000049796.5,Crh,protein_coding	-0.4676289	0.4514358
ENSMUSG00000075031.5,H2bc3,protein_coding	-0.467942	0.7799287
ENSMUSG00000063522.6,Ly6m,protein_coding	-0.4681917	0.7281512
ENSMUSG00000005917.16,Otx1,protein_coding	-0.4686294	0.2141978
ENSMUSG00000026730.13,Pter,protein_coding	-0.4688634	0.3895174
ENSMUSG00000112756.2,Gm48014,TEC	-0.4692372	0.2221579
ENSMUSG00000120396.2,Gm32718,lncRNA	-0.4693111	0.4282634
ENSMUSG00000041479.15,Syt15,protein_coding	-0.4700117	0.3410877
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ENSMUSG00000097318.5,1700007L15Rik,lncRNA	-0.4713656	0.3527857

ENSMUSG00000067879.4,Vxn,protein_coding	-0.4715185	0.2503238
ENSMUSG00000120483.2,Gm57264,lncRNA	-0.4716584	0.4376701
ENSMUSG00000097891.2,Gm3650,unprocessed_pseudogene	-0.4720245	0.3570752
ENSMUSG00000044468.15,Tent5c,protein_coding	-0.4721674	0.2712395
ENSMUSG00000105460.2,Gm42671,TEC	-0.4728188	0.2985294
ENSMUSG00000099927.2,Gm8226,processed_pseudogene	-0.4731674	0.4230612
ENSMUSG00000118206.2,Gm50358,lncRNA	-0.4733937	0.4413714
ENSMUSG00000096257.3,Ccer2,protein_coding	-0.4739284	0.5365326
ENSMUSG00000060981.8,H4c8,protein_coding	-0.4739819	0.4100086
ENSMUSG00000120733.1,Gm56657,lncRNA	-0.474444	0.7869138
ENSMUSG00000100210.3,H3c7,protein_coding	-0.4745944	0.7448379
ENSMUSG00000126746.1,ENSMUSG00000126746,lncRNA	-0.4749684	0.3222812
ENSMUSG00000127643.1,ENSMUSG00000127643,lncRNA	-0.4754039	0.2130433
ENSMUSG00000061577.13,Adgrg5,protein_coding	-0.4759565	0.719263
ENSMUSG00000121019.2,Gm57163,lncRNA	-0.47616	0.3029682
ENSMUSG00000058331.16,Zfp85,protein_coding	-0.4765217	0.1146033
ENSMUSG00000099150.3,Gm27243,lncRNA	-0.4766355	0.4659178
ENSMUSG00000036826.15,Igflr1,protein_coding	-0.4767244	0.5780732
ENSMUSG00000105302.2,Gm19817,TEC	-0.4770637	0.1605172
ENSMUSG00000022061.9,Nkx3-1,protein_coding	-0.4777369	0.3638634
ENSMUSG00000028584.4,Lrrc38,protein_coding	-0.4782769	0.3540772
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ENSMUSG00000044921.6,Rassf9,protein_coding	-0.47948	0.1774579
ENSMUSG00000036446.6,Lum,protein_coding	-0.4795877	0.3973568
ENSMUSG00000006720.17,Zfp184,protein_coding	-0.4804521	0.1094489
ENSMUSG00000101299.5,Gm28175,lncRNA	-0.4813551	0.2163968
ENSMUSG00000051965.9,Nanos2,protein_coding	-0.4815434	0.3879511
ENSMUSG00000073144.7,4930599N23Rik,lncRNA	-0.4822566	0.5080221
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ENSMUSG00000144196.1,ENSMUSG00000144196,lncRNA	-0.4835571	0.7945688
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ENSMUSG00000027901.13,Dennd2d,protein_coding	-0.4841303	0.747054
ENSMUSG00000028480.15,Glipr2,protein_coding	-0.4842293	0.4677914
ENSMUSG00000107495.2,Gm44215,TEC	-0.4845951	0.306484
ENSMUSG00000130204.1,ENSMUSG00000130204,lncRNA	-0.4846693	0.1620923
ENSMUSG00000028862.7,Map3k6,protein_coding	-0.484675	0.6362345
ENSMUSG00000112763.4,Gm34304,lncRNA	-0.4847514	0.3434707
ENSMUSG00000098659.10,1110015O18Rik,lncRNA	-0.4854315	0.359307
ENSMUSG00000074862.12,BC025920,protein_coding	-0.4857475	0.1091712
ENSMUSG00000034486.9,Gbx2,protein_coding	-0.4862341	0.5368686
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ENSMUSG00000081665.3,Pira1,protein_coding	-0.4865687	0.7781911
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ENSMUSG00000079110.13,Capn3,protein_coding	-0.4874928	0.0955747
ENSMUSG00000025279.8,Dnase1l3,protein_coding	-0.4877071	0.8614461
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ENSMUSG00000050377.9,Il31ra,protein_coding	-0.4880172	0.3159834
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ENSMUSG00000050315.15,Synpo2,protein_coding	-0.4913152	0.2460777
ENSMUSG00000027611.13,Procr,protein_coding	-0.49145	0.4473736
ENSMUSG00000025432.12,Avil,protein_coding	-0.4915135	0.7620107
ENSMUSG00000100303.6,2600014E21Rik,lncRNA	-0.4917773	0.259892
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ENSMUSG00000040147.15,Maob,protein_coding	-0.4941705	0.1076061
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ENSMUSG00000049676.15,Catsperg1,protein_coding	-0.5008246	0.4403451
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ENSMUSG00000040329.15,Il7,protein_coding	-0.5534507	0.6963999
ENSMUSG00000069170.15,Adgrv1,protein_coding	-0.5539115	0.0846747
ENSMUSG00000033970.16,Rfc3,protein_coding	-0.5552222	0.2804322
ENSMUSG00000020182.17,Ddc,protein_coding	-0.5562439	0.4816911
ENSMUSG00000111229.3,Gm39323,lncRNA	-0.557072	0.0939103
ENSMUSG00000091649.4,Phf11b,protein_coding	-0.5571808	0.7427286
ENSMUSG00000086236.11,5830418P13Rik,lncRNA	-0.5583488	0.4829331
ENSMUSG00000089798.11,1700028K03Rik,protein_coding	-0.5584102	0.1354133
ENSMUSG00000039529.10,Atp8b1,protein_coding	-0.5585903	0.1424059
ENSMUSG00000110126.2,Gm9347,processed_pseudogene	-0.5594379	0.5834768
ENSMUSG00000136983.1,ENSMUSG00000136983,lncRNA	-0.5615562	0.1762249
ENSMUSG00000059246.5,Foxb1,protein_coding	-0.5617404	0.5466354
ENSMUSG00000026946.10,Nmi,protein_coding	-0.5625423	0.3119413
ENSMUSG00000040264.11,Gbp2b,protein_coding	-0.5626643	0.734655
ENSMUSG00000053113.4,Socs3,protein_coding	-0.5627219	0.5055173
ENSMUSG00000039496.9,Cdnf,protein_coding	-0.5630747	0.2349937
ENSMUSG00000105909.2,Gm43189,lncRNA	-0.5643713	0.4479085
ENSMUSG00000001504.11,Irx2,protein_coding	-0.5648464	0.4006571
ENSMUSG00000075271.5,Ift70a1,protein_coding	-0.5651749	0.0717297
ENSMUSG00000056174.9,Col8a2,protein_coding	-0.5653694	0.1780233
ENSMUSG00000068154.6,Insm1,protein_coding	-0.5653976	0.1458894
ENSMUSG00000103358.2,Gm37593,TEC	-0.5656572	0.1675717
ENSMUSG00000068744.13,Psrc1,protein_coding	-0.5656912	0.1865604
ENSMUSG00000044177.5,Wfikkn2,protein_coding	-0.5659397	0.2368575
ENSMUSG00000068196.6,Col8a1,protein_coding	-0.5672237	0.1698239
ENSMUSG00000049307.7,Fut4,protein_coding	-0.5673718	0.5951084
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ENSMUSG00000026147.17,Col9a1,protein_coding	-0.567617	0.2092572
ENSMUSG00000116493.3,Gm49445,lncRNA	-0.5676655	0.1369448
ENSMUSG00000084230.2,Gm14388,processed_pseudogene	-0.5681272	0.3274649
ENSMUSG00000078921.4,Tgtp2,protein_coding	-0.5686178	0.7218573
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ENSMUSG00000076498.3,Trbc2,TR_C_gene	-0.5691432	0.1514816
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ENSMUSG00000019230.15,Lhx9,protein_coding	-0.5709455	0.3435141
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ENSMUSG00000113311.3,Gm47428,lncRNA	-0.5727421	0.3541836
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ENSMUSG00000034792.9,Gna15,protein_coding	-0.5739365	0.2764865
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ENSMUSG00000035551.7,Igfbpl1,protein_coding	-0.574312	0.4230586
ENSMUSG00000029605.18,Oas1b,protein_coding	-0.5745717	0.6468951
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ENSMUSG00000003309.15,Ap1m2,protein_coding	-0.5755137	0.2776019
ENSMUSG00000102744.2,5830444F18Rik,TEC	-0.5762479	0.1135819
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ENSMUSG00000026683.15,Nuf2,protein_coding	-0.5771642	0.5684803
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ENSMUSG00000137273.1,ENSMUSG00000137273,lncRNA	-0.5779777	0.5552687
ENSMUSG00000102521.2,Gm37781,TEC	-0.5783794	0.1387058
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ENSMUSG00000063727.4,Tnfrsf11b,protein_coding	-0.5802711	0.1242654
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ENSMUSG00000064780.3,Snord95,snoRNA	-0.5875015	0.6203394
ENSMUSG00000057280.17,Musk,protein_coding	-0.5877281	0.1977215
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ENSMUSG00000082585.4,Gm15387,processed_pseudogene	-0.5880776	0.0940883
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ENSMUSG00000026829.10,Gbgt1,protein_coding	-0.5958072	0.4084631
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ENSMUSG00000039903.19,Eva1c,protein_coding	-0.6009278	0.0947205
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ENSMUSG00000042707.7,Dnali1,protein_coding	-0.6878206	0.3015808
ENSMUSG00000117900.3,Gm50323,lncRNA	-0.6881713	0.0941914
ENSMUSG00000091272.3,Gm17641,TEC	-0.6885112	0.2721889
ENSMUSG00000021760.6,Gpx8,protein_coding	-0.6890619	0.0640038
ENSMUSG00000055775.17,Myh8,protein_coding	-0.6896008	0.4185737
ENSMUSG00000116895.2,Ermardl1,protein_coding	-0.6900764	0.2313675
ENSMUSG00000032023.8,Jhy,protein_coding	-0.6914517	0.2559219
ENSMUSG00000116409.3,Gm34095,lncRNA	-0.6944719	0.8064218
ENSMUSG00000063021.4,H2ac15,protein_coding	-0.6949424	0.6786988
ENSMUSG00000112324.2,Gm47939,lncRNA	-0.6949699	0.6365807
ENSMUSG00000139678.1,ENSMUSG00000139678,lncRNA	-0.6949949	0.274355
ENSMUSG00000024526.10,Cidea,protein_coding	-0.6950499	0.2958192
ENSMUSG00000015533.10,Itga2,protein_coding	-0.6953623	0.4014433
ENSMUSG00000034855.14,Cxcl10,protein_coding	-0.6954651	0.7929302
ENSMUSG00000020227.11,Irak3,protein_coding	-0.6956071	0.2499035
ENSMUSG00000048349.10,Pou4f1,protein_coding	-0.6961183	0.4750007
ENSMUSG00000131030.1,ENSMUSG00000131030,lncRNA	-0.6962583	0.1781271
ENSMUSG00000015437.6,Gzmb,protein_coding	-0.6971496	0.6737825
ENSMUSG00000041301.16,Cftr,protein_coding	-0.6972396	0.1695923

ENSMUSG00000104301.4,Wdr49,protein_coding	-0.6981597	0.2672332
ENSMUSG00000123611.1,ENSMUSG00000123611,lncRNA	-0.6984424	0.7488306
ENSMUSG00000053070.6,Cfap300,protein_coding	-0.6986344	0.059579
ENSMUSG00000106093.3,Gm42722,lncRNA	-0.6991767	0.2696369
ENSMUSG00000098973.3,Mir6236,miRNA	-0.6992072	0.70529
ENSMUSG00000082491.2,Gm5909,processed_pseudogene	-0.6993143	0.058074
ENSMUSG00000047676.7,Rpsa-ps10,processed_pseudogene	-0.7000291	0.3327246
ENSMUSG00000115071.2,Gm49026,TEC	-0.700224	0.0991228
ENSMUSG00000085977.2,Gm5970,processed_pseudogene	-0.7009067	0.7453969
ENSMUSG00000015619.11,Gata3,protein_coding	-0.7011963	0.4206987
ENSMUSG00000064202.17,Spata6l,protein_coding	-0.7017645	0.0731072
ENSMUSG00000069008.4,Gm5537,processed_pseudogene	-0.7039161	0.1273915
ENSMUSG00000029136.10,Rbks,protein_coding	-0.7058134	0.2795229
ENSMUSG00000031075.20,Ano1,protein_coding	-0.7066465	0.0715832
ENSMUSG00000032369.14,Plscr1,protein_coding	-0.7116311	0.175375
ENSMUSG00000108633.2,Gm44694,TEC	-0.7124316	0.4702154
ENSMUSG00000044362.9,Ccdc89,protein_coding	-0.7131672	0.3777381
ENSMUSG00000127503.1,ENSMUSG00000127503,lncRNA	-0.7135303	0.0856496
ENSMUSG00000062783.3,Csprs,protein_coding	-0.7135475	0.8736158
ENSMUSG00000121238.2,Stk35os1,lncRNA	-0.7137233	0.0123701
ENSMUSG00000130917.1,ENSMUSG00000130917,lncRNA	-0.7138808	0.1660668
ENSMUSG00000063684.10,Hadhb-ps,processed_pseudogene	-0.7139749	0.3587491
ENSMUSG00000031490.7,Eif4ebp1,protein_coding	-0.7144193	0.5720645
ENSMUSG00000093656.2,Gm20628,lncRNA	-0.7144345	0.3527276
ENSMUSG00000045871.6,Slitrk6,protein_coding	-0.7149034	0.2102888
ENSMUSG00000095990.2,Zfp97,protein_coding	-0.714921	0.1661493
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ENSMUSG00000000126.12,Wnt9a,protein_coding	-0.7189379	0.0703742
ENSMUSG00000135580.1,ENSMUSG00000135580,lncRNA	-0.7193274	0.7476491
ENSMUSG00000053111.14,Fank1,protein_coding	-0.7196333	0.1356242
ENSMUSG00000087176.3,D230022J07Rik,lncRNA	-0.7201316	0.3375715
ENSMUSG00000137056.1,ENSMUSG00000137056,lncRNA	-0.7202448	0.2686603
ENSMUSG00000084347.4,Akt2-ps,processed_pseudogene	-0.7202553	0.1890974
ENSMUSG00000143513.1,ENSMUSG00000143513,lncRNA	-0.7203054	0.3242958
ENSMUSG00000045036.16,Tmem232,protein_coding	-0.7207219	0.2873271
ENSMUSG00000023341.17,Mx2,protein_coding	-0.720849	0.3187683
ENSMUSG00000106550.3,Gm43646,lncRNA	-0.7217199	0.2472544
ENSMUSG00000142023.1,ENSMUSG00000142023,lncRNA	-0.7220228	0.1877258
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ENSMUSG00000060419.9,Rps16-ps2,processed_pseudogene	-0.7243341	0.1607492
ENSMUSG00000136128.1,ENSMUSG00000136128,lncRNA	-0.724518	0.201258
ENSMUSG00000117238.2,Gm57191,lncRNA	-0.724778	0.3582329
ENSMUSG00000055172.11,C1ra,protein_coding	-0.7249182	0.6242644
ENSMUSG00000034528.16,Hsd17b13,protein_coding	-0.725462	0.7005471
ENSMUSG00000071068.8,Treml2,protein_coding	-0.7259513	0.6814887
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ENSMUSG00000071398.9,2410004P03Rik,protein_coding	-0.7277013	0.2177424
ENSMUSG00000021848.17,Otx2,protein_coding	-0.7285963	0.102719
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ENSMUSG00000022425.17,Enpp2,protein_coding	-0.7342079	0.1072174
ENSMUSG00000069899.4,Sft2d1rt,protein_coding	-0.7344179	0.3072424
ENSMUSG00000009628.15,Tex15,protein_coding	-0.736433	0.1048518
ENSMUSG00000111246.2,4930517E14Rik,lncRNA	-0.7375134	0.1481664
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ENSMUSG00000024871.12,Doc2g,protein_coding	-0.7383997	0.1916272
ENSMUSG00000138003.1,ENSMUSG00000138003,lncRNA	-0.7396231	0.3309084
ENSMUSG00000020407.14,Upp1,protein_coding	-0.7402914	0.437916
ENSMUSG00000037921.16,Ddx60,protein_coding	-0.7405751	0.3741768
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ENSMUSG00000031465.7,Angpt2,protein_coding	-0.7422371	0.1623044
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ENSMUSG00000041827.16,Oasl1,protein_coding	-0.7465252	0.6128466
ENSMUSG00000028873.17,Cdca8,protein_coding	-0.7470204	0.6986934
ENSMUSG00000045391.6,1700120B22Rik,lncRNA	-0.7488436	0.1228762
ENSMUSG00000104519.2,Gm37161,TEC	-0.7501249	0.221422
ENSMUSG00000132897.1,ENSMUSG00000132897,lncRNA	-0.7507403	0.1116537
ENSMUSG00000052273.5,Dnah3,protein_coding	-0.7553933	0.3185352
ENSMUSG00000010044.13,Zmynd10,protein_coding	-0.7576176	0.1059177
ENSMUSG00000122887.1,ENSMUSG00000122887,lncRNA	-0.7579841	0.2910769
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ENSMUSG00000015943.12,Bola1,protein_coding	-0.7582004	0.2041287
ENSMUSG00000047230.7,Cldn2,protein_coding	-0.7595012	0.2288442
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ENSMUSG00000040540.7,Ctdsp2-ps,processed_pseudogene	-0.7666835	0.3251635
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ENSMUSG00000103553.2,Gm38218,TEC	-0.7826337	0.3573681
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ENSMUSG00000027636.12,Sla2,protein_coding	-0.7867107	0.212853
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ENSMUSG00000111664.2,Gm48865,TEC	-0.7894494	0.1690538
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ENSMUSG00000105673.3,1700081B01Rik,lncRNA	-0.8293308	0.2581618
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ENSMUSG00000022367.8,Has2,protein_coding	-0.8320603	0.432099
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ENSMUSG00000109160.3,4930598N05Rik,lncRNA	-0.8326721	0.3064328
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ENSMUSG00000140977.1,ENSMUSG00000140977,lncRNA	-0.8607445	0.0986506
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ENSMUSG00000027399.2,Il1a,protein_coding	-0.9023808	0.3913052
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ENSMUSG00000117872.2,A530088E08Rik,lncRNA	-0.9225749	0.4255784
ENSMUSG00000074071.13,Fam169b,protein_coding	-0.923494	0.6660427
ENSMUSG00000032303.9,Chrna3,protein_coding	-0.9241078	0.3399277
ENSMUSG00000108634.4,Gm38534,lncRNA	-0.9245297	0.0803971
ENSMUSG00000082938.2,Gm2810,processed_pseudogene	-0.9292456	0.419073
ENSMUSG00000006611.16,Hfe,protein_coding	-0.9312074	0.0803426
ENSMUSG00000026679.4,Enkur,protein_coding	-0.9337021	0.2694915
ENSMUSG00000044551.14,9930012K11Rik,protein_coding	-0.9349585	0.0701439
ENSMUSG00000051457.8,Spn,protein_coding	-0.9393604	0.5755096
ENSMUSG00000032691.15,Nlrp3,protein_coding	-0.9393622	0.2733437
ENSMUSG00000090667.3,Mdfic2,protein_coding	-0.9408615	0.0473658
ENSMUSG00000108665.2,Gm44897,TEC	-0.9415603	0.1218997
ENSMUSG00000020641.17,Rsad2,protein_coding	-0.9428157	0.1131018
ENSMUSG00000067038.7,Rps12-ps3,transcribed_processed_pseudogene	-0.9465751	0.7003262
ENSMUSG00000070306.4,Ccdc153,protein_coding	-0.9474702	0.343292
ENSMUSG00000101972.2,H3c11,protein_coding	-0.9476105	0.5631058
ENSMUSG00000116639.2,Gm49730,TEC	-0.9501806	0.5713273
ENSMUSG00000114940.2,Gm21378,processed_pseudogene	-0.9503016	0.5510504
ENSMUSG00000070780.12,Rbm47,protein_coding	-0.9521327	0.0762385
ENSMUSG00000085771.2,C230066G23Rik,lncRNA	-0.9535815	0.0488271
ENSMUSG00000112743.2,Gm49358,protein_coding	-0.9562396	0.8122822
ENSMUSG00000014158.13,Trpv4,protein_coding	-0.9564233	0.1822067
ENSMUSG00000030793.5,Pycard,protein_coding	-0.9579704	0.3266979
ENSMUSG00000125748.1,ENSMUSG00000125748,lncRNA	-0.9583008	0.534984
ENSMUSG00000040978.5,Gm11992,protein_coding	-0.9592692	0.1416716
ENSMUSG00000118591.2,Gm52955,protein_coding	-0.9642887	0.6743566
ENSMUSG00000102992.2,Gm37766,TEC	-0.9653053	0.1300537
ENSMUSG00000097705.4,Gm26740,lncRNA	-0.9667347	0.4993316
ENSMUSG00000078154.4,Cdk2ap1rt,protein_coding	-0.9668987	0.1516192
ENSMUSG00000020395.14,Itk,protein_coding	-0.9672123	0.248294
ENSMUSG00000044948.18,Cfap43,protein_coding	-0.9728478	0.0697178
ENSMUSG00000127588.1,ENSMUSG00000127588,lncRNA	-0.9755589	0.1237187
ENSMUSG00000034739.18,Mfrp,protein_coding	-0.9785154	0.2086939
ENSMUSG00000034311.4,Kif4,protein_coding	-0.9786204	0.6453593
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ENSMUSG00000127130.1,ENSMUSG00000127130,lncRNA	-0.9826345	0.1729215

ENSMUSG00000031786.8,Drc7,protein_coding	-0.9833913	0.1334142
ENSMUSG00000050296.15,Abca12,protein_coding	-0.9838995	0.6279518
ENSMUSG00000061802.7,Odad2,protein_coding	-0.9866846	0.1226491
ENSMUSG00000043020.14,Dnai3,protein_coding	-0.9887486	0.1787923
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ENSMUSG00000117713.3,Gm46637,lncRNA	-1.0007303	0.1514034
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ENSMUSG00000022949.10,Clic6,protein_coding	-1.0019549	0.1205848
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ENSMUSG00000032034.7,Kcnj5,protein_coding	-1.0040722	0.2523411
ENSMUSG00000016024.10,Lbp,protein_coding	-1.006938	0.1228466
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ENSMUSG00000039232.13,Stx11,protein_coding	-1.0116486	0.6921602
ENSMUSG00000036109.18,Mbnl3,protein_coding	-1.0173867	0.7012805
ENSMUSG00000112144.4,Gm47861,lncRNA	-1.0174664	0.5815256
ENSMUSG00000025779.11,Ly96,protein_coding	-1.0241526	0.2227752
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ENSMUSG00000015405.16,Ace2,protein_coding	-1.0299175	0.0573075
ENSMUSG00000046500.9,Tafa4,protein_coding	-1.0306109	0.1711771
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ENSMUSG00000089996.8,Tmsb15b2,protein_coding	-1.0354208	0.1258015
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ENSMUSG00000028602.13,Tnfrsf8,protein_coding	-1.0402595	0.1888639
ENSMUSG00000104213.6,Ighd,IG_C_gene	-1.0410591	0.6206602
ENSMUSG00000079941.3,Cox5b-ps,protein_coding	-1.0419644	0.4927008
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ENSMUSG00000071516.3,H2ac13,protein_coding	-1.0522468	0.6502598
ENSMUSG00000120462.1,Gm56602,lncRNA	-1.0553685	0.2624229
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ENSMUSG00000069743.6,Zfp820,protein_coding	-1.059163	0.2089786
ENSMUSG00000098128.3,Gm3693,lncRNA	-1.0595733	0.0438006
ENSMUSG00000029155.18,Spata18,protein_coding	-1.0606166	0.3349077
ENSMUSG00000113778.3,Gm40847,lncRNA	-1.0618601	0.5947441
ENSMUSG00000143426.1,BC023105,lncRNA	-1.0637081	0.6948575
ENSMUSG00000128977.1,ENSMUSG00000128977,lncRNA	-1.0654521	0.5940819
ENSMUSG00000128422.1,ENSMUSG00000128422,lncRNA	-1.0675875	0.109713
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ENSMUSG00000123382.1,ENSMUSG00000123382,lncRNA	-1.0708303	0.3008647
ENSMUSG00000132177.1,ENSMUSG00000132177,lncRNA	-1.0723331	0.1794445
ENSMUSG00000062939.12,Stat4,protein_coding	-1.0756404	0.1115082
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ENSMUSG00000006574.16,Slc4a1,protein_coding	-1.0802349	0.145179
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ENSMUSG00000105879.2,Gm6204,processed_pseudogene	-1.0840714	0.3202847
ENSMUSG00000066000.13,Zfp979,protein_coding	-1.0870524	0.7528393
ENSMUSG00000120718.2,Gm56656,lncRNA	-1.087638	0.0648898
ENSMUSG00000039853.19,Trim14,protein_coding	-1.090688	0.3065818
ENSMUSG00000055413.13,H2-Q5,protein_coding	-1.0920236	0.5303771
ENSMUSG00000053541.4,Gvin-ps6,transcribed_unprocessed_pseudogene	-1.0973539	0.4656171
ENSMUSG00000030703.9,Gdpd3,protein_coding	-1.0978676	0.0911507
ENSMUSG00000052776.11,Oas1a,protein_coding	-1.1034684	0.3837595
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ENSMUSG00000026628.14,Atf3,protein_coding	-1.1115615	0.4289797
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ENSMUSG00000087295.3,Gm3948,lncRNA	-1.1414775	0.3505193
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ENSMUSG00000129243.1,ENSMUSG00000129243,lncRNA	-1.1791911	0.1125467
ENSMUSG00000105701.2,Gm42587,TEC	-1.1838574	0.1331608
ENSMUSG00000029154.14,Cwh43,protein_coding	-1.1857335	0.1452712
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ENSMUSG00000039236.19,Isg20,protein_coding	-1.5326176	0.2240381
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ENSMUSG00000050075.9,Gpr171,protein_coding	-1.6043114	0.3050961
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ENSMUSG00000060989.9,Gm11847,transcribed_processed_pseudogene	-1.7119703	0.2685651
ENSMUSG00000069300.4,H2bc11,protein_coding	-1.712405	0.5599256
ENSMUSG00000025270.14,Alas2,protein_coding	-1.7136535	0.024464
ENSMUSG00000096160.3,Gm3436,processed_pseudogene	-1.7177593	0.128975
ENSMUSG00000035383.8,Pmch,protein_coding	-1.7426779	0.6161557

ENSMUSG00000053063.12,Clec12a,protein_coding	-1.7431495	0.651598
ENSMUSG00000118608.3,Gm4988,transcribed_unprocessed_pseudogene	-1.7594772	0.3889288
ENSMUSG00000093769.5,H3c14,protein_coding	-1.7697056	0.5574008
ENSMUSG00000001948.11,Spa17,protein_coding	-1.7754813	0.0673441
ENSMUSG00000032739.17,Pram1,protein_coding	-1.7790409	0.3648084
ENSMUSG00000022586.12,Ly6i,protein_coding	-1.782895	0.3899591
ENSMUSG00000035200.8,Chrnb4,protein_coding	-1.7866407	0.1728058
ENSMUSG00000062585.12,Cnr2,protein_coding	-1.7994026	0.4603457
ENSMUSG00000036169.7,Sostdc1,protein_coding	-1.8057922	0.0763845
ENSMUSG00000106334.2,Gm43549,lncRNA	-1.8081694	0.574691
ENSMUSG00000047492.6,Inhbe,protein_coding	-1.8203279	0.3496826
ENSMUSG00000100980.2,Gm29100,lncRNA	-1.822498	0.1850607
ENSMUSG00000117532.3,Gm50076,lncRNA	-1.8352116	0.0126821
ENSMUSG00000073940.4,Hbb-bt,protein_coding	-1.8359782	0.021696
ENSMUSG00000120384.2,Gm53681,lncRNA	-1.8583888	0.4918615
ENSMUSG00000034028.17,Cd226,protein_coding	-1.8632098	0.1884898
ENSMUSG00000080776.2,Gm12174,processed_pseudogene	-1.8661774	0.1574515
ENSMUSG00000118698.1,Gm25890,snRNA	-1.8678302	0.5629213
ENSMUSG00000114959.3,G630093K05Rik,lncRNA	-1.878816	0.0378761
ENSMUSG00000030345.17,Dyrk4,protein_coding	-1.8824868	0.4288325
ENSMUSG00000053153.15,Spag16,protein_coding	-1.9001833	0.0666497
ENSMUSG00000091086.3,Rpl6l,processed_pseudogene	-1.9138776	0.2437358
ENSMUSG00000045886.8,Pam16l,protein_coding	-1.9291397	0.1784184
ENSMUSG00000078875.12,Gm14419,protein_coding	-1.9376374	0.3557122
ENSMUSG00000012350.16,Ehf,protein_coding	-1.9631057	0.3089123
ENSMUSG00000098470.2,C1rb,protein_coding	-1.9889227	0.3266127
ENSMUSG00000116926.2,Gm18234,processed_pseudogene	-2.0016933	0.3652214
ENSMUSG00000104498.2,Gm37110,TEC	-2.0120421	0.295233
ENSMUSG00000079505.4,Gm11131,lncRNA	-2.0214387	0.2176026
ENSMUSG00000013611.15,Snx31,protein_coding	-2.0354849	0.2676471
ENSMUSG00000115778.2,Gm10876,lncRNA	-2.1205276	0.4965707
ENSMUSG00000021384.15,Susd3,protein_coding	-2.1315611	0.1307045
ENSMUSG00000068165.4,Gm10233,processed_pseudogene	-2.1466397	0.498005
ENSMUSG00000114547.2,Gm3226,processed_pseudogene	-2.1466648	0.2848413
ENSMUSG00000049515.13,Espnl,protein_coding	-2.1750913	0.2283813
ENSMUSG00000079450.13,Cldn34c1,protein_coding	-2.1780677	0.5254917
ENSMUSG00000097530.2,Kansl2-ps,processed_pseudogene	-2.1874616	0.3467014
ENSMUSG00000119030.1,Rnu1b2,snRNA	-2.2042482	0.8219616
ENSMUSG00000072476.7,Rnf26rt,protein_coding	-2.2087328	0.4202954
ENSMUSG00000062038.6,Gm10108,transcribed_processed_pseudogene	-2.2292219	0.4632499
ENSMUSG00000050534.9,Htr5b,protein_coding	-2.2305842	0.0393198
ENSMUSG00000030789.10,Itgax,protein_coding	-2.2457602	0.4822647
ENSMUSG00000031504.7,Rab20,protein_coding	-2.2582343	0.0839697
ENSMUSG00000062545.5,Tlr12,protein_coding	-2.2907398	0.1648583
ENSMUSG00000084842.4,Pabpc1l2b,protein_coding	-2.3056913	0.0125794
ENSMUSG00000100153.4,Ppp1ccb,transcribed_processed_pseudogene	-2.3105761	0.1911437
ENSMUSG00000026866.18,Kynu,protein_coding	-2.314831	0.5239958
ENSMUSG00000020908.16,Myh3,protein_coding	-2.3240912	0.0190773
ENSMUSG00000115424.4,D130079A08Rik,lncRNA	-2.3417878	0.1338514
ENSMUSG00000042501.13,Cpa6,protein_coding	-2.3542861	0.0967221
ENSMUSG00000137599.1,ENSMUSG00000137599,lncRNA	-2.3711021	0.2325057
ENSMUSG00000116594.3,Gm49601,protein_coding	-2.400927	0.4676731

ENSMUSG00000113149.2,Gm49383,protein_coding	-2.4022339	0.0600256
ENSMUSG00000116812.2,Gm2792,transcribed_unprocessed_pseudogene	-2.4085519	0.3169016
ENSMUSG00000084838.4,Gm10241,transcribed_processed_pseudogene	-2.4097423	0.272275
ENSMUSG00000082691.7,Dynlt1-ps1,processed_pseudogene	-2.4228123	0.2313119
ENSMUSG00000140166.1,ENSMUSG00000140166,lncRNA	-2.4249898	0.3754646
ENSMUSG00000032661.10,Oas3,protein_coding	-2.438796	0.2840884
ENSMUSG00000110620.2,Gm45733,lncRNA	-2.4422279	0.314738
ENSMUSG00000037727.7,Avp,protein_coding	-2.4448473	0.3097739
ENSMUSG00000094989.2,Rpl9-ps4,processed_pseudogene	-2.4759557	0.142469
ENSMUSG00000109608.2,Gm45597,TEC	-2.4766848	0.233981
ENSMUSG00000114184.2,Gm7143,processed_pseudogene	-2.5681739	0.069649
ENSMUSG00000068396.10,Rpl34-ps1,processed_pseudogene	-2.5814609	0.5285644
ENSMUSG00000118124.2,Gm50139,protein_coding	-2.5900661	0.3721301
ENSMUSG00000083261.5,Gm7816,processed_pseudogene	-2.5991594	0.0729206
ENSMUSG00000121383.2,Zfp264,lncRNA	-2.648157	0.0184075
ENSMUSG00000138136.1,ENSMUSG00000138136,lncRNA	-2.6987214	0.1119345
ENSMUSG00000085566.2,A730017L22Rik,lncRNA	-2.7430567	0.5102631
ENSMUSG00000105704.2,Gm43055,lncRNA	-2.7457175	0.3402604
ENSMUSG00000081855.5,Rpl17-ps5,processed_pseudogene	-2.7730976	0.183399
ENSMUSG00000073198.7,Bnip3l-ps,transcribed_processed_pseudogene	-2.8491089	0.2697859
ENSMUSG00000055093.11,Rps27a-ps3,transcribed_processed_pseudogene	-2.9152739	0.5295033
ENSMUSG00000087635.4,Gm13414,transcribed_processed_pseudogene	-2.9723672	0.18867
ENSMUSG00000116347.2,Gm49416,protein_coding	-2.9738483	0.1313151
ENSMUSG00000081214.4,Rpl35a-ps2,processed_pseudogene	-3.1951882	0.5539822
ENSMUSG00000083424.4,Rpl35a-ps4,processed_pseudogene	-3.1951882	0.5539822
ENSMUSG00000094664.2,Rpl35a-ps6,processed_pseudogene	-3.1951882	0.5539822
ENSMUSG00000067575.6,Rpl35a-ps3,processed_pseudogene	-3.1951882	0.5539822
ENSMUSG00000083833.5,Gm13841,processed_pseudogene	-3.2711733	0.6725687
ENSMUSG00000020838.13,Slc6a4,protein_coding	-3.3572506	0.3114146
ENSMUSG00000096574.9,Gm2956,protein_coding	-3.3861521	0.1187862
ENSMUSG00000094475.9,Gm11007,protein_coding	-3.4620812	0.4613996
ENSMUSG00000120425.2,Ndufb4b,lncRNA	-3.5221704	0.1462597
ENSMUSG00000115398.4,Gm534,lncRNA	-3.5787393	0.0239931
ENSMUSG00002075524.1,Gm55094,miRNA	-3.5827346	0.1187583
ENSMUSG00000118653.2,Ube2srt,protein_coding	-3.6559363	0.2162519
ENSMUSG00000030680.7,Pagr1a,protein_coding	-4.0707071	0.4908954
ENSMUSG00000078898.11,Zfp968,protein_coding	-4.2181619	0.196768
ENSMUSG00000030735.7,Gm9755,processed_pseudogene	-4.3165205	0.1426212
ENSMUSG00000045868.13,Gvin1,protein_coding	-6.3702268	0.0564197

Supplementary Table 4

	logFC	P.Value
ENSMUSG00000084383.2,Gm13370,transcribed_processed_pseudogene	6.98084	0.430837
ENSMUSG00000068397.5,Gm10240,processed_pseudogene	6.98084	0.430837
ENSMUSG00000094103.3,Fam177a2,protein_coding	6.67775	0.37423
ENSMUSG00000096764.2,Gm21985,protein_coding	6.23889	0.196496
ENSMUSG00000096265.3,Potefam3e,protein_coding	4.48971	0.052156
ENSMUSG00000064193.9,Gm4735,transcribed_processed_pseudogene	4.46264	0.459571
ENSMUSG00000074461.4,Gm10699,TEC	4.43116	0.33868
ENSMUSG00000092595.3,Gm20427,lncRNA	4.37648	0.27547
ENSMUSG00000075707.7,Dio3,protein_coding	4.26993	0.008213
ENSMUSG00000095195.9,Gm3005,protein_coding	3.96374	0.09669
ENSMUSG00000123148.1,ENSMUSG00000123148,lncRNA	3.9395	0.34958
ENSMUSG00000118936.1,Gm22614,snRNA	3.91732	0.3712
ENSMUSG00000094497.2,Gm8210,processed_pseudogene	3.73585	0.222958
ENSMUSG00000114172.2,Gm36298,transcribed_processed_pseudogene	3.62318	0.220085
ENSMUSG00000103593.2,Gm37352,TEC	3.58319	0.10388
ENSMUSG00000112690.3,Gm2446,transcribed_unprocessed_pseudogene	3.55191	0.109112
ENSMUSG00000064201.9,Krt2,protein_coding	3.47377	0.044665
ENSMUSG00000060096.6,Amd-ps3,processed_pseudogene	3.26636	0.09501
ENSMUSG00000128598.1,ENSMUSG00000128598,lncRNA	3.22837	0.334447
ENSMUSG00000086583.6,Gm15500,transcribed_processed_pseudogene	3.08408	0.760321
ENSMUSG00000110275.2,Gm5905,transcribed_processed_pseudogene	3.0624	0.074859
ENSMUSG00000087501.3,Gm12116,lncRNA	3.0589	0.230447
ENSMUSG00000079192.3,ENSMUSG00000079192,protein_coding	3.05835	0.301488
ENSMUSG00000044211.10,Gm7887,transcribed_processed_pseudogene	3.04887	0.266193
ENSMUSG00000040627.15,Aicda,protein_coding	2.96823	0.404166
ENSMUSG00000112693.3,Gm5512,transcribed_unprocessed_pseudogene	2.9416	0.167761
ENSMUSG00000128875.1,ENSMUSG00000128875,lncRNA	2.92001	0.301592
ENSMUSG00000040405.14,Havcr1,protein_coding	2.8915	0.323087
ENSMUSG00000038253.7,Hoxa5,protein_coding	2.84374	0.276455
ENSMUSG00000024673.10,Ms4a1,protein_coding	2.81733	0.37263
ENSMUSG00000076612.9,Ighg2c,IG_C_gene	2.79482	0.381245
ENSMUSG00000104964.2,4930597L12Rik,TEC	2.78102	0.127816
ENSMUSG00000076615.5,Ighg3,IG_C_gene	2.77523	0.354565
ENSMUSG00000135935.1,ENSMUSG00000135935,lncRNA	2.75096	0.315104
ENSMUSG00000116632.4,Magef1,transcribed_processed_pseudogene	2.7058	0.31037
ENSMUSG00000095648.9,Gm2004,protein_coding	2.70114	0.320892
ENSMUSG00000032053.9,Pou2af1,protein_coding	2.67768	0.333987
ENSMUSG00000085791.5,Rpl30-ps9,processed_pseudogene	2.66415	0.459263
ENSMUSG00000062727.5,H2bc12,protein_coding	2.66067	0.29691
ENSMUSG00000075394.5,Hoxc4,protein_coding	2.65408	0.264038
ENSMUSG00000076937.4,Iglc2,IG_C_gene	2.65392	0.347198
ENSMUSG00000049396.7,Gemin4,protein_coding	2.63245	0.023099
ENSMUSG00000044453.6,Ffar1,protein_coding	2.602	0.35149
ENSMUSG00000127874.1,ENSMUSG00000127874,lncRNA	2.55566	0.000616
ENSMUSG00000113392.2,Gm36262,processed_pseudogene	2.53304	0.073021
ENSMUSG00000097530.2,Kansl2-ps,processed_pseudogene	2.51354	0.150707
ENSMUSG00000059994.11,Fcrl1,protein_coding	2.50172	0.393671
ENSMUSG00000094638.2,Gm21972,protein_coding	2.49363	0.212264
ENSMUSG00000101355.2,H3c10,protein_coding	2.46988	0.424476
ENSMUSG00000067724.6,Gbx1,protein_coding	2.4691	0.119616
ENSMUSG00000094370.9,Gm3373,protein_coding	2.44763	0.195769

ENSMUSG00000020279.11,Il9r,protein_coding	2.44506	0.430979
ENSMUSG00000122526.1,ENSMUSG00000122526,lncRNA	2.43398	0.609063
ENSMUSG00000050921.13,P2ry10,protein_coding	2.43205	0.343732
ENSMUSG00000099519.2,Gm29253,lncRNA	2.41501	0.408786
ENSMUSG00000069303.8,H2bc24,protein_coding	2.40866	0.136389
ENSMUSG00000095526.3,Gm10243,transcribed_processed_pseudogene	2.40672	0.580665
ENSMUSG00000023078.7,Cxcl13,protein_coding	2.39564	0.139199
ENSMUSG00000113555.2,Gm10095,processed_pseudogene	2.37293	0.331434
ENSMUSG00000091617.10,Gm3752,protein_coding	2.35384	0.104527
ENSMUSG00000006948.8,Klk4,protein_coding	2.33378	0.40562
ENSMUSG00000137801.1,ENSMUSG00000137801,lncRNA	2.32402	0.514999
ENSMUSG00000058492.7,Scp2-ps2,transcribed_unprocessed_pseudogene	2.32252	0.249846
ENSMUSG00000048106.9,4632415L05Rik,transcribed_unprocessed_pseudo	2.32064	0.418194
ENSMUSG00000133147.1,ENSMUSG00000133147,lncRNA	2.31164	0.264673
ENSMUSG00000030724.8,Cd19,protein_coding	2.29468	0.368256
ENSMUSG00000014453.5,Blk,protein_coding	2.27936	0.376365
ENSMUSG00000076940.4,Iglv2,IG_V_gene	2.25906	0.525138
ENSMUSG00000076614.8,Ighg1,IG_C_gene	2.25594	0.336635
ENSMUSG00000123401.1,ENSMUSG00000123401,lncRNA	2.24623	0.062604
ENSMUSG00000114102.2,Gm48048,processed_pseudogene	2.20584	0.198672
ENSMUSG00000133441.1,Gm51792,lncRNA	2.20183	0.489363
ENSMUSG00000066543.9,Rpl17-ps9,processed_pseudogene	2.17035	0.334757
ENSMUSG00000042474.7,Fcmr,protein_coding	2.14477	0.397478
ENSMUSG00000092365.4,BC023719,lncRNA	2.14238	0.654437
ENSMUSG00000051220.3,Ercc6l,protein_coding	2.13948	0.347675
ENSMUSG00000095180.11,Rhox5,protein_coding	2.10946	0.39555
ENSMUSG00000069310.5,H3c3,protein_coding	2.10313	0.387659
ENSMUSG00000076609.3,Igkc,IG_C_gene	2.0913	0.313114
ENSMUSG00000021032.14,Ngb,protein_coding	2.0897	0.036339
ENSMUSG00000076613.5,Ighg2b,IG_C_gene	2.08472	0.366389
ENSMUSG00000106218.2,Gm43713,lncRNA	2.06732	0.483166
ENSMUSG00000019913.5,Sim1,protein_coding	2.06102	0.495712
ENSMUSG00000106631.3,Gm42669,protein_coding	2.05974	0.041485
ENSMUSG00000006310.11,Zbtb32,protein_coding	2.05743	0.314485
ENSMUSG00000112907.2,Gm47015,lncRNA	2.04939	0.35101
ENSMUSG00000057135.13,Scimp,protein_coding	2.0464	0.466238
ENSMUSG00000056023.5,Gm9989,lncRNA	2.03843	0.353052
ENSMUSG00000115431.2,Gm3219,processed_pseudogene	2.02826	0.150428
ENSMUSG00000076934.3,Iglv1,IG_V_gene	2.02619	0.404074
ENSMUSG00000074482.6,Gm16589,transcribed_processed_pseudogene	2.0253	0.266155
ENSMUSG00000126254.1,ENSMUSG00000126254,lncRNA	2.02371	0.460832
ENSMUSG00000115248.2,Gm49037,processed_pseudogene	2.01852	0.570787
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ENSMUSG00000044303.7,Cdkn2a,protein_coding	2.01392	0.408982
ENSMUSG00000142831.1,ENSMUSG00000142831,lncRNA	1.99992	0.409013
ENSMUSG00000132257.1,ENSMUSG00000132257,lncRNA	1.97904	0.622323
ENSMUSG00000105906.2,Iglc1,IG_C_gene	1.96791	0.504462
ENSMUSG00000024353.6,Mzb1,protein_coding	1.96593	0.432148
ENSMUSG00002075569.1,Terc,misc_RNA	1.961	0.271824
ENSMUSG00000118604.2,Gm53013,lncRNA	1.95989	0.367044
ENSMUSG00000015966.18,Il17rb,protein_coding	1.94986	0.036223
ENSMUSG00000126752.1,ENSMUSG00000126752,lncRNA	1.94875	0.113376

ENSMUSG00000041202.13,Pla2g2d,protein_coding	1.94099	0.150061
ENSMUSG00000105387.3,Gm29681,lncRNA	1.93855	0.127606
ENSMUSG00000114196.3,Gm47547,lncRNA	1.92525	0.43202
ENSMUSG00000081593.2,Gm11841,processed_pseudogene	1.91622	0.149892
ENSMUSG00000097055.4,Gm4419,lncRNA	1.90804	0.050751
ENSMUSG00000079033.11,Mef2b,protein_coding	1.8982	0.450396
ENSMUSG00000074939.4,Chrm5,protein_coding	1.89548	0.165163
ENSMUSG00002076250.1,Scarna3b,scaRNA	1.89153	0.376474
ENSMUSG00000104332.2,Gm38283,TEC	1.88506	0.05326
ENSMUSG00000022659.14,Gcsam,protein_coding	1.88193	0.43645
ENSMUSG00000141158.1,ENSMUSG00000141158,lncRNA	1.86999	0.397094
ENSMUSG00000120630.2,Gm56815,lncRNA	1.85831	0.486394
ENSMUSG00000064666.3,Snora52,snoRNA	1.82659	0.339972
ENSMUSG00000040592.12,Cd79b,protein_coding	1.82545	0.404292
ENSMUSG00000128869.1,ENSMUSG00000128869,lncRNA	1.78961	0.401232
ENSMUSG00000095199.9,Zfp967,protein_coding	1.78117	0.446258
ENSMUSG00000111862.2,Gm47828,lncRNA	1.76019	0.520394
ENSMUSG00000141856.1,ENSMUSG00000141856,lncRNA	1.75818	0.527902
ENSMUSG00000132309.1,ENSMUSG00000132309,lncRNA	1.75799	0.452136
ENSMUSG00000086000.4,Gm12493,lncRNA	1.75755	0.451953
ENSMUSG00000034266.7,Batf,protein_coding	1.75578	0.405921
ENSMUSG00000105646.4,Gm30211,lncRNA	1.75301	0.307469
ENSMUSG00000099974.2,Bcl2a1d,protein_coding	1.74481	0.388204
ENSMUSG00000079941.3,Cox5b-ps,protein_coding	1.73857	0.40761
ENSMUSG00000071178.12,Serpina1b,protein_coding	1.73553	0.101955
ENSMUSG00000022900.15,Ildr1,protein_coding	1.7307	0.368009
ENSMUSG00000056836.9,Pin4-ps,processed_pseudogene	1.72948	0.169066
ENSMUSG00000092072.4,Gm4540,processed_pseudogene	1.71943	0.112906
ENSMUSG00000090105.4,Gm15890,lncRNA	1.71931	0.401984
ENSMUSG00000123189.1,ENSMUSG00000123189,lncRNA	1.71386	0.472653
ENSMUSG00000036357.6,Gpr101,protein_coding	1.69968	0.006618
ENSMUSG00000097998.2,Gm27019,lncRNA	1.69921	0.167034
ENSMUSG00000014030.16,Pax5,protein_coding	1.69291	0.460581
ENSMUSG00000032291.9,Crabp1,protein_coding	1.68028	0.239007
ENSMUSG00000051980.14,Casr,protein_coding	1.67919	0.235068
ENSMUSG00000051079.9,Rgs13,protein_coding	1.6709	0.447505
ENSMUSG00000121644.1,ENSMUSG00000121644,lncRNA	1.66884	0.352581
ENSMUSG00000084844.6,Hoxb3os,lncRNA	1.66832	0.422136
ENSMUSG00000052013.16,Btla,protein_coding	1.66568	0.407496
ENSMUSG00000082820.4,Gm13803,processed_pseudogene	1.65097	0.099225
ENSMUSG00000029671.16,Wnt16,protein_coding	1.64574	0.023775
ENSMUSG00000099517.3,H3c8,protein_coding	1.64554	0.418341
ENSMUSG00000040413.16,Timd2,protein_coding	1.64522	0.515883
ENSMUSG00000010142.13,Tnfrsf13b,protein_coding	1.64399	0.419419
ENSMUSG00000089929.2,Bcl2a1b,protein_coding	1.62694	0.46939
ENSMUSG00000129577.1,ENSMUSG00000129577,lncRNA	1.62569	0.405513
ENSMUSG00000031212.4,Pgr15l,protein_coding	1.62462	0.19294
ENSMUSG00000109510.2,Gm42417,protein_coding	1.62113	0.527958
ENSMUSG00000078894.10,2210418O10Rik,protein_coding	1.61664	0.328644
ENSMUSG00000030365.12,Clec2i,protein_coding	1.61123	0.480904
ENSMUSG00000113263.2,Gm4811,processed_pseudogene	1.5933	0.194359
ENSMUSG00000098055.4,Gm26947,lncRNA	1.58956	0.242929

ENSMUSG00000135257.1,ENSMUSG00000135257,lncRNA	1.5884	0.430679
ENSMUSG00000095609.4,Anxa2r1,protein_coding	1.58458	0.439228
ENSMUSG00000058883.17,Zfp708,protein_coding	1.58261	0.142065
ENSMUSG00000067149.7,Jchain,protein_coding	1.57581	0.451392
ENSMUSG00000079560.14,Hoxa3,protein_coding	1.57402	0.460599
ENSMUSG00000107355.4,AI839979,lncRNA	1.57278	0.135532
ENSMUSG00000128294.1,ENSMUSG00000128294,lncRNA	1.5702	0.53292
ENSMUSG00000091058.3,Gm17538,processed_pseudogene	1.56665	0.614752
ENSMUSG00000079445.4,B3gnt7,protein_coding	1.56617	0.149761
ENSMUSG00000124722.1,ENSMUSG00000124722,lncRNA	1.54706	0.026616
ENSMUSG00000097927.3,Gm6999,lncRNA	1.54296	0.002303
ENSMUSG00000045362.9,Tnfrsf26,protein_coding	1.54233	0.547601
ENSMUSG00000105703.4,Gm43305,lncRNA	1.54185	0.424379
ENSMUSG00000002831.16,Plin4,protein_coding	1.52891	0.184239
ENSMUSG00000024907.8,Gal,protein_coding	1.52727	0.285974
ENSMUSG00000118728.1,Gm24463,snoRNA	1.52467	0.641174
ENSMUSG00000083674.6,Zfp133-ps,transcribed_unitary_pseudogene	1.51624	0.536436
ENSMUSG00000121782.1,ENSMUSG00000121782,lncRNA	1.51445	0.663159
ENSMUSG00000116840.3,Gm21691,lncRNA	1.51265	0.109796
ENSMUSG00000079592.10,C1qtnf5,protein_coding	1.51019	0.035075
ENSMUSG00000122565.1,ENSMUSG00000122565,lncRNA	1.50985	0.620245
ENSMUSG00000116947.4,2410003I16Rik,lncRNA	1.50821	0.560693
ENSMUSG00000130119.1,ENSMUSG00000130119,lncRNA	1.5039	0.452747
ENSMUSG00000142334.1,ENSMUSG00000142334,lncRNA	1.50155	0.039613
ENSMUSG00000085176.2,Gm15397,lncRNA	1.49561	0.026676
ENSMUSG00000114853.2,D030051J21Rik,lncRNA	1.49558	0.442537
ENSMUSG00000112666.3,Gm48485,lncRNA	1.48797	0.13666
ENSMUSG00000139973.1,ENSMUSG00000139973,lncRNA	1.48376	0.477735
ENSMUSG00000120777.2,Gm56626,lncRNA	1.48053	0.59476
ENSMUSG00000079190.4,ENSMUSG00000079190,protein_coding	1.4771	0.520072
ENSMUSG00000079009.9,Zfp1004,protein_coding	1.47639	0.446534
ENSMUSG00000128167.1,ENSMUSG00000128167,lncRNA	1.47324	0.039934
ENSMUSG00000132697.1,ENSMUSG00000132697,lncRNA	1.4674	0.204942
ENSMUSG00000112743.2,Gm49358,protein_coding	1.46546	0.638118
ENSMUSG00000093846.3,Gm4425,lncRNA	1.45352	0.269459
ENSMUSG00000115280.2,Gm7107,processed_pseudogene	1.4488	0.034018
ENSMUSG00000128207.1,ENSMUSG00000128207,lncRNA	1.44731	0.401763
ENSMUSG00000079391.11,Gm2974,protein_coding	1.43391	0.349761
ENSMUSG00000073491.12,Ifi213,protein_coding	1.42595	0.397411
ENSMUSG00000025044.17,Msr1,protein_coding	1.42421	0.533784
ENSMUSG00000107412.3,Gm20383,lncRNA	1.41247	0.026626
ENSMUSG00000079707.11,Dynlt2a1,protein_coding	1.41241	0.56308
ENSMUSG00000122330.1,ENSMUSG00000122330,lncRNA	1.4096	0.389044
ENSMUSG00000048721.3,Fndc9,protein_coding	1.40588	0.092903
ENSMUSG00000058625.7,Gm17383,processed_pseudogene	1.40313	0.15089
ENSMUSG00000044664.8,Prss42,protein_coding	1.39848	0.432321
ENSMUSG00000048763.12,Hoxb3,protein_coding	1.39283	0.610065
ENSMUSG00000090254.9,Gm1965,lncRNA	1.39273	0.485267
ENSMUSG00000021263.12,Degs2,protein_coding	1.39088	0.027274
ENSMUSG00000110146.2,Gm45487,TEC	1.38681	0.344322
ENSMUSG00000001076.8,C1ql4,protein_coding	1.38298	0.460218
ENSMUSG00000143669.1,ENSMUSG00000143669,lncRNA	1.37991	0.558393

ENSMUSG00000120055.2,Gm39150,lncRNA	1.3791	0.05963
ENSMUSG00000036526.9,Card11,protein_coding	1.37543	0.411272
ENSMUSG00000061356.14,Nuggc,protein_coding	1.3749	0.642294
ENSMUSG00000091478.3,Gm10039,processed_pseudogene	1.37383	0.006523
ENSMUSG00000142908.1,ENSMUSG00000142908,lncRNA	1.37363	0.385657
ENSMUSG00000097748.3,Gm26533,lncRNA	1.36962	0.204611
ENSMUSG00000087015.3,Gm14041,lncRNA	1.36622	0.056219
ENSMUSG00000046591.11,Ticrr,protein_coding	1.36482	0.44914
ENSMUSG00000037944.9,Ccr7,protein_coding	1.36314	0.389835
ENSMUSG00000043008.10,Klhl6,protein_coding	1.35799	0.476346
ENSMUSG00000021609.7,Slc6a3,protein_coding	1.35427	0.764354
ENSMUSG00000009185.3,Ccl8,protein_coding	1.35245	0.592716
ENSMUSG00000092674.5,Gm24105,misc_RNA	1.35124	0.157569
ENSMUSG00000004328.16,Hif3a,protein_coding	1.34169	0.048468
ENSMUSG00000046338.5,Gpat2,protein_coding	1.33662	0.275981
ENSMUSG00000028072.7,Ntrk1,protein_coding	1.33417	0.286965
ENSMUSG00000117294.2,Gm49839,TEC	1.32903	0.104057
ENSMUSG00000085843.3,Kank4os,lncRNA	1.32846	0.557829
ENSMUSG00000126291.1,ENSMUSG00000126291,lncRNA	1.32546	0.558962
ENSMUSG00000108391.2,Gm9768,TEC	1.32419	0.174482
ENSMUSG00000121044.2,Gm57169,lncRNA	1.3191	0.543951
ENSMUSG00000026976.16,Pax8,protein_coding	1.31644	0.566289
ENSMUSG00000115936.4,4833415N18Rik,lncRNA	1.31621	0.310232
ENSMUSG00000028004.13,Npy2r,protein_coding	1.31489	0.008616
ENSMUSG00000022033.10,Pbk,protein_coding	1.31342	0.425879
ENSMUSG00000038700.5,Hoxb5,protein_coding	1.31183	0.720064
ENSMUSG00000139264.1,ENSMUSG00000139264,lncRNA	1.3044	0.063351
ENSMUSG00000104186.2,Gm37819,TEC	1.30363	0.458732
ENSMUSG00000108112.2,Gm45193,lncRNA	1.30317	0.577509
ENSMUSG00000125346.1,ENSMUSG00000125346,lncRNA	1.30083	0.093688
ENSMUSG00000081771.2,Gm15381,processed_pseudogene	1.29995	0.046395
ENSMUSG00000109506.3,Gm44724,lncRNA	1.29777	0.282302
ENSMUSG00000039981.7,Zc3h12d,protein_coding	1.29583	0.546059
ENSMUSG00000131341.1,ENSMUSG00000131341,lncRNA	1.29225	0.054954
ENSMUSG00000119311.1,Gm25988,snoRNA	1.29107	0.578714
ENSMUSG00000119606.1,Gm25221,snoRNA	1.29107	0.578714
ENSMUSG00000118836.1,Gm23471,snoRNA	1.29107	0.578714
ENSMUSG00000118877.1,Gm23449,snoRNA	1.29107	0.578714
ENSMUSG00000127251.1,ENSMUSG00000127251,lncRNA	1.28867	0.496871
ENSMUSG00000089844.8,Sp140l1,protein_coding	1.28662	0.577528
ENSMUSG00000121577.1,ENSMUSG00000121577,protein_coding	1.28464	0.645871
ENSMUSG00000041538.17,H2-Ob,protein_coding	1.28251	0.503068
ENSMUSG00002074875.1,Snord3a,snoRNA	1.27736	0.766699
ENSMUSG00000050761.5,Gp1bb,protein_coding	1.27451	0.092069
ENSMUSG00000024354.14,Slc23a1,protein_coding	1.27358	0.545912
ENSMUSG00000041730.15,Drgx,protein_coding	1.27227	0.505365
ENSMUSG00000109028.2,Gm35842,lncRNA	1.26606	0.131448
ENSMUSG00000141894.1,ENSMUSG00000141894,lncRNA	1.26543	0.510786
ENSMUSG00000121633.1,ENSMUSG00000121633,lncRNA	1.26351	0.193308
ENSMUSG00000135426.1,ENSMUSG00000135426,lncRNA	1.26088	0.081379
ENSMUSG00000008193.14,Spib,protein_coding	1.25908	0.520953
ENSMUSG00000059461.8,Gm7331,processed_pseudogene	1.25801	0.432929

ENSMUSG00000059479.8,B3gnt8,protein_coding	1.25744	0.168407
ENSMUSG00000106914.2,Gm42854,lncRNA	1.25708	0.156748
ENSMUSG00000066510.6,Ankdd1a,protein_coding	1.2552	0.076945
ENSMUSG00000102770.2,Gm38163,lncRNA	1.25496	0.195568
ENSMUSG00000042737.10,Dpm3,protein_coding	1.25364	0.057156
ENSMUSG00000103116.3,4930539M17Rik,lncRNA	1.253	0.239966
ENSMUSG00000041845.12,Rhod,protein_coding	1.25296	0.219179
ENSMUSG00000107676.2,Gm44178,TEC	1.2505	0.098631
ENSMUSG00000031264.14,Btk,protein_coding	1.24679	0.492202
ENSMUSG00000082127.3,Gm13577,processed_pseudogene	1.24062	0.561115
ENSMUSG00000043088.17,Il17re,protein_coding	1.23915	0.187806
ENSMUSG00000053740.9,Gm6457,processed_pseudogene	1.2297	0.24579
ENSMUSG00000035186.7,Ubd,protein_coding	1.22566	0.585574
ENSMUSG00000082809.4,Gm14150,processed_pseudogene	1.22538	0.392086
ENSMUSG00000030598.16,Fbxo17,protein_coding	1.22328	0.050228
ENSMUSG00000085442.2,Gm3362,processed_pseudogene	1.21901	0.487739
ENSMUSG00000140297.1,ENSMUSG00000140297,lncRNA	1.21768	0.097863
ENSMUSG00000032358.13,Fam83b,protein_coding	1.21739	0.436841
ENSMUSG00000138730.1,ENSMUSG00000138730,lncRNA	1.21572	0.141883
ENSMUSG00000028573.19,Fggy,protein_coding	1.21355	0.288269
ENSMUSG00000004266.16,Ptpn6,protein_coding	1.21173	0.355833
ENSMUSG00000135262.1,ENSMUSG00000135262,lncRNA	1.21025	0.056692
ENSMUSG00000110862.3,Gm35835,lncRNA	1.20958	0.056491
ENSMUSG00000105053.2,Gm43064,protein_coding	1.2095	0.396323
ENSMUSG00000105128.2,Gm42870,TEC	1.20615	0.610205
ENSMUSG00000095865.2,Gm13237,processed_pseudogene	1.20337	0.571298
ENSMUSG00000021765.10,Fst,protein_coding	1.20085	0.08779
ENSMUSG00000109982.2,Gm45520,TEC	1.19979	0.259827
ENSMUSG00000117819.2,Gm50253,protein_coding	1.19945	0.214227
ENSMUSG00000030838.21,Ush1c,protein_coding	1.19909	0.422335
ENSMUSG00000111069.2,Gm48646,lncRNA	1.198	0.098177
ENSMUSG00000036223.17,Ska1,protein_coding	1.19466	0.540539
ENSMUSG00000136592.1,ENSMUSG00000136592,lncRNA	1.19377	0.513934
ENSMUSG00000022026.8,Olfm4,protein_coding	1.19261	0.051146
ENSMUSG00000048572.6,Tmem252,protein_coding	1.19206	0.114229
ENSMUSG00000130041.1,ENSMUSG00000130041,lncRNA	1.19178	0.514593
ENSMUSG00000021298.9,Gpr132,protein_coding	1.19168	0.49783
ENSMUSG00000009092.6,Derl3,protein_coding	1.18608	0.292803
ENSMUSG00000028610.17,Dmrtb1,protein_coding	1.1851	0.230458
ENSMUSG00000121445.1,ENSMUSG00000121445,lncRNA	1.17628	0.357816
ENSMUSG00000134979.1,ENSMUSG00000134979,lncRNA	1.1756	0.623386
ENSMUSG00000087107.10,Slfnlnc,lncRNA	1.17275	0.552049
ENSMUSG00000097684.2,Gm26645,lncRNA	1.16829	0.175493
ENSMUSG00000024672.12,Ms4a7,protein_coding	1.16781	0.423935
ENSMUSG00000058665.9,En1,protein_coding	1.16759	0.508674
ENSMUSG00000030775.12,Trat1,protein_coding	1.16413	0.167004
ENSMUSG00000093686.2,Gm4705,processed_pseudogene	1.16233	0.269338
ENSMUSG00000032207.11,Lipc,protein_coding	1.16211	0.567279
ENSMUSG00000100309.2,Gm6644,processed_pseudogene	1.16185	0.420984
ENSMUSG00000039109.18,F13a1,protein_coding	1.16182	0.469978
ENSMUSG00000026969.4,Cimip2a,protein_coding	1.15845	0.644245
ENSMUSG00000115637.2,Gm30970,processed_pseudogene	1.15828	0.269572

ENSMUSG00000097961.2,Gm27000,lncRNA	1.15659	0.255635
ENSMUSG00000032511.18,Scn5a,protein_coding	1.15372	0.156683
ENSMUSG00000041481.18,Serpina3g,protein_coding	1.15321	0.508558
ENSMUSG00000063623.6,C230062I16Rik,transcribed_unprocessed_pseudog	1.14959	0.693805
ENSMUSG00000121820.2,1700028E11Rik,lncRNA	1.14618	0.407805
ENSMUSG00000000942.11,Hoxa4,protein_coding	1.14618	0.574255
ENSMUSG00000018566.15,Slc2a4,protein_coding	1.14546	0.086921
ENSMUSG00000108384.2,Gm45082,TEC	1.14538	0.077288
ENSMUSG00000065669.3,Gm22581,snoRNA	1.14361	0.197544
ENSMUSG00000094306.3,Gm24924,snRNA	1.14334	0.153476
ENSMUSG00000122073.1,ENSMUSG00000122073,lncRNA	1.14286	0.105807
ENSMUSG00000044626.14,Liph,protein_coding	1.1409	0.543186
ENSMUSG00000079173.12,Zan,protein_coding	1.1404	0.174906
ENSMUSG00000118495.2,Gm21011,transcribed_processed_pseudogene	1.135	0.622791
ENSMUSG00000085908.2,Gm14209,lncRNA	1.13251	0.267899
ENSMUSG00000130624.1,ENSMUSG00000130624,lncRNA	1.13037	0.090283
ENSMUSG00000087390.2,Gm7598,lncRNA	1.13019	0.239373
ENSMUSG00000084071.2,Gm13378,processed_pseudogene	1.12999	0.183563
ENSMUSG00000109021.3,Gm44812,lncRNA	1.12451	0.09916
ENSMUSG00000033508.9,Asprv1,protein_coding	1.12409	0.078363
ENSMUSG00000089665.3,Fcor,protein_coding	1.12322	0.052671
ENSMUSG00000118590.2,Gm15433,protein_coding	1.12197	0.57539
ENSMUSG00000067642.12,Adgrf3,protein_coding	1.12167	0.737406
ENSMUSG00000132601.1,ENSMUSG00000132601,lncRNA	1.11899	0.255407
ENSMUSG00000142392.1,ENSMUSG00000142392,lncRNA	1.11577	0.309711
ENSMUSG00000097745.3,AI115009,lncRNA	1.11365	0.105067
ENSMUSG00000134912.1,ENSMUSG00000134912,lncRNA	1.10622	0.65653
ENSMUSG00000116389.2,Gm49504,lncRNA	1.10222	0.630259
ENSMUSG00000061615.3,H2ac4,protein_coding	1.10114	0.530649
ENSMUSG00000119668.1,Gm23472,snRNA	1.09979	0.149598
ENSMUSG00000119838.1,Gm23444,snRNA	1.09979	0.149598
ENSMUSG00000101959.2,Ldhal6b,protein_coding	1.097	0.287215
ENSMUSG00000051517.15,Arhgef39,protein_coding	1.09433	0.293382
ENSMUSG00000060044.9,Tmem26,protein_coding	1.09422	0.325846
ENSMUSG00000073752.4,Gm10570,lncRNA	1.09386	0.052067
ENSMUSG00000019718.9,L3hypdh,protein_coding	1.09269	0.14531
ENSMUSG00000099009.2,Rdh16f1,protein_coding	1.09265	0.603533
ENSMUSG00000073779.8,Lrp8os2,lncRNA	1.09221	0.188101
ENSMUSG00000074731.4,Zfp345,protein_coding	1.09058	0.662626
ENSMUSG00000143537.1,ENSMUSG00000143537,lncRNA	1.08824	0.111053
ENSMUSG00000019768.17,Esr1,protein_coding	1.08702	0.004902
ENSMUSG00000119403.1,Gm22265,snRNA	1.08602	0.536582
ENSMUSG00000112390.4,Gm20208,lncRNA	1.08595	0.120768
ENSMUSG00000107126.3,Gm40289,lncRNA	1.08224	0.575243
ENSMUSG00000121878.2,Zim3,lncRNA	1.08155	0.174571
ENSMUSG00000039728.16,Slc6a5,protein_coding	1.08154	0.400381
ENSMUSG00000121867.2,ENSMUSG00000121867,lncRNA	1.07955	0.161978
ENSMUSG00000026247.14,Ecel1,protein_coding	1.07705	0.125692
ENSMUSG00000096225.8,Lhx8,protein_coding	1.07531	0.616804
ENSMUSG00000102620.2,Gm37675,TEC	1.07531	0.212573
ENSMUSG00000087618.3,Gm14114,lncRNA	1.07505	0.306597
ENSMUSG00000091243.3,Vgll3,protein_coding	1.0739	0.075234

ENSMUSG00000085925.4,Rtl1,protein_coding	1.07316	0.065549
ENSMUSG00000086524.5,Pabpc1l2a,protein_coding	1.07283	0.275108
ENSMUSG00000110125.3,Gm33148,lncRNA	1.0718	0.168115
ENSMUSG00000045826.10,Ptprcap,protein_coding	1.07102	0.345455
ENSMUSG00000107994.3,D830050J10Rik,lncRNA	1.07038	0.088933
ENSMUSG00000132065.1,ENSMUSG00000132065,lncRNA	1.06909	0.082958
ENSMUSG00000003545.4,Fosb,protein_coding	1.06613	0.118031
ENSMUSG00000132389.1,ENSMUSG00000132389,lncRNA	1.06577	0.231627
ENSMUSG00000048502.15,Duxbl1,protein_coding	1.06502	0.093442
ENSMUSG00000001815.16,Evx2,protein_coding	1.06087	0.492934
ENSMUSG00000029819.7,Npy,protein_coding	1.05995	0.0121
ENSMUSG00000024334.10,H2-Oa,protein_coding	1.0593	0.51778
ENSMUSG00000024939.7,Fam89b,protein_coding	1.05802	0.298768
ENSMUSG00000079396.5,Gm3411,protein_coding	1.05787	0.469012
ENSMUSG00000063543.6,Gm5616,processed_pseudogene	1.0575	0.199075
ENSMUSG00000050174.16,Nudt6,protein_coding	1.05493	0.057732
ENSMUSG00000097615.4,Gm2061,lncRNA	1.05484	0.078927
ENSMUSG00000093861.3,Igkv1-110,IG_V_gene	1.05441	0.674304
ENSMUSG00000037139.16,Myom3,protein_coding	1.05441	0.132843
ENSMUSG00000120754.2,Gm56536,lncRNA	1.05296	0.588845
ENSMUSG00000064605.5,Gm22220,snRNA	1.05182	0.301009
ENSMUSG00000072487.12,Mroh5,protein_coding	1.047	0.09078
ENSMUSG00000121042.2,Gm33887,lncRNA	1.04698	0.522794
ENSMUSG00000082078.2,Gm12098,processed_pseudogene	1.04058	0.402819
ENSMUSG00000086606.2,Gm13205,lncRNA	1.04048	0.183334
ENSMUSG00000112112.4,Gm48508,lncRNA	1.03964	0.150265
ENSMUSG00000124662.1,ENSMUSG00000124662,lncRNA	1.03793	0.072102
ENSMUSG00000030346.17,Rad51ap1,protein_coding	1.03606	0.306164
ENSMUSG00000103995.2,5730488B01Rik,TEC	1.03566	0.645068
ENSMUSG00000089737.2,Gm15688,lncRNA	1.03179	0.116981
ENSMUSG00000008028.16,1700008O03Rik,protein_coding	1.03002	0.049567
ENSMUSG00000123845.1,ENSMUSG00000123845,lncRNA	1.02747	0.233906
ENSMUSG00000020897.13,Aurkb,protein_coding	1.02589	0.535218
ENSMUSG00000064941.3,Gm23238,snRNA	1.02526	0.24056
ENSMUSG00000038236.9,Hoxa7,protein_coding	1.02105	0.607574
ENSMUSG00000130160.1,ENSMUSG00000130160,lncRNA	1.01981	0.10322
ENSMUSG00000121664.1,ENSMUSG00000121664,lncRNA	1.01623	0.062612
ENSMUSG00000136750.1,ENSMUSG00000136750,lncRNA	1.01249	0.193967
ENSMUSG00000123184.1,ENSMUSG00000123184,lncRNA	1.01246	0.051579
ENSMUSG00000017499.16,Cdc6,protein_coding	1.00988	0.441999
ENSMUSG00000079553.13,Kifc1,protein_coding	1.0083	0.299227
ENSMUSG00000141370.1,ENSMUSG00000141370,lncRNA	0.99999	0.563792
ENSMUSG00000129688.1,ENSMUSG00000129688,lncRNA	0.99984	0.239615
ENSMUSG00000027070.15,Lrp2,protein_coding	0.99975	0.18228
ENSMUSG00000096938.9,9530052E02Rik,lncRNA	0.99761	0.101783
ENSMUSG00000093577.3,Gm20632,lncRNA	0.99552	0.076143
ENSMUSG00000077549.3,Snord71,snoRNA	0.99542	0.137087
ENSMUSG00000084240.2,Gm15383,processed_pseudogene	0.99517	0.142042
ENSMUSG00000038760.15,Trhr,protein_coding	0.99353	0.03842
ENSMUSG00000030468.13,Siglecg,protein_coding	0.99164	0.582804
ENSMUSG00000083679.2,Gm12892,processed_pseudogene	0.99156	0.322748
ENSMUSG00000024013.16,Fgd2,protein_coding	0.98912	0.171586

ENSMUSG00000102997.2,Gm17244,TEC	0.98831	0.112951
ENSMUSG00000079457.12,Gm7609,protein_coding	0.98782	0.677632
ENSMUSG00000031273.17,Col4a6,protein_coding	0.98745	0.534111
ENSMUSG00000104113.2,Gm37292,TEC	0.98505	0.641104
ENSMUSG00000119213.1,Gm25935,snRNA	0.98186	0.19556
ENSMUSG00000120875.2,A830021M18Rik,lncRNA	0.97992	0.095273
ENSMUSG00000074385.5,Gm10684,lncRNA	0.97913	0.517397
ENSMUSG00000112003.2,Gm4864,processed_pseudogene	0.97744	0.220932
ENSMUSG00000058470.11,Gm8369,protein_coding	0.97364	0.603907
ENSMUSG00000142319.1,Ccl19-ps2,lncRNA	0.97156	0.034951
ENSMUSG00000056130.11,Ticam2,protein_coding	0.97071	0.580364
ENSMUSG00000102709.2,Gm38308,TEC	0.97041	0.237712
ENSMUSG00000055632.19,Hmcn2,protein_coding	0.96868	0.324148
ENSMUSG00000097203.5,4732419C18Rik,lncRNA	0.96743	0.283168
ENSMUSG00000020072.16,Pbld2,protein_coding	0.96627	0.229812
ENSMUSG00000085488.3,4930557F10Rik,lncRNA	0.96547	0.365089
ENSMUSG00000031635.15,Anxa10,protein_coding	0.96133	0.746402
ENSMUSG00000107396.4,4930425L21Rik,lncRNA	0.96057	0.216041
ENSMUSG00000038540.15,Tmc3,protein_coding	0.95945	0.477263
ENSMUSG00000128209.1,ENSMUSG00000128209,lncRNA	0.95869	0.613491
ENSMUSG00000056888.12,Glipr1,protein_coding	0.9569	0.485228
ENSMUSG00000029134.15,Plb1,protein_coding	0.95583	0.071532
ENSMUSG00000024027.9,Glp1r,protein_coding	0.95413	0.230454
ENSMUSG00000119262.1,Snord3b1,snoRNA	0.9536	0.355503
ENSMUSG00000119648.1,Snord3b3,snoRNA	0.9536	0.355503
ENSMUSG00000119851.1,Snord3b4,snoRNA	0.9536	0.355503
ENSMUSG00000119761.1,Snord3b2,snoRNA	0.9536	0.355503
ENSMUSG00000073226.10,Gm10482,lncRNA	0.94998	0.67082
ENSMUSG00000108330.2,Gm44882,TEC	0.94989	0.262656
ENSMUSG00000121478.2,Gm53567,lncRNA	0.94885	0.664371
ENSMUSG00000098912.10,1500004A13Rik,lncRNA	0.94779	0.52013
ENSMUSG00000085953.4,Gm15496,lncRNA	0.9454	0.040377
ENSMUSG00000104622.2,Gm42541,TEC	0.94522	0.355832
ENSMUSG00000024866.11,Acy3,protein_coding	0.94182	0.191875
ENSMUSG00000074643.13,Cpne1,protein_coding	0.93857	0.05263
ENSMUSG00000025574.14,Tk1,protein_coding	0.9383	0.561337
ENSMUSG00000091587.2,Gm17191,lncRNA	0.93764	0.3284
ENSMUSG00000069014.6,Gm5641,transcribed_processed_pseudogene	0.93745	0.502064
ENSMUSG00000085620.4,G630018N14Rik,lncRNA	0.93633	0.265223
ENSMUSG00000022144.5,Gdnf,protein_coding	0.93444	0.240047
ENSMUSG00000001918.18,Slc1a5,protein_coding	0.93393	0.491599
ENSMUSG00000095872.8,Gm15128,protein_coding	0.9335	0.687095
ENSMUSG00000038421.14,Fcrla,protein_coding	0.93345	0.651786
ENSMUSG00000130847.1,ENSMUSG00000130847,lncRNA	0.93237	0.454496
ENSMUSG00000099632.4,2900093K20Rik,lncRNA	0.93215	0.257648
ENSMUSG00000029304.15,Spp1,protein_coding	0.93129	0.342504
ENSMUSG00000144069.1,ENSMUSG00000144069,lncRNA	0.93105	0.130108
ENSMUSG00000126979.1,Gm6981,lncRNA	0.92984	0.305882
ENSMUSG00000107086.2,Gm43808,TEC	0.9284	0.45527
ENSMUSG00000118997.1,Gm23767,snoRNA	0.92744	0.729993
ENSMUSG00000143433.1,ENSMUSG00000143433,lncRNA	0.92715	0.251161
ENSMUSG00000097890.5,4930547M16Rik,lncRNA	0.92518	0.211917

ENSMUSG00000067594.7,Krt77,protein_coding	0.92367	0.170401
ENSMUSG00000087035.2,Tmem74bos,protein_coding	0.91992	0.2119
ENSMUSG00000099647.2,Gm5776,processed_pseudogene	0.91963	0.202172
ENSMUSG00000030670.17,Cyp2r1,protein_coding	0.91936	0.428587
ENSMUSG00000128213.1,ENSMUSG00000128213,lncRNA	0.91933	0.41894
ENSMUSG00000069308.8,H2bc22,protein_coding	0.91732	0.512141
ENSMUSG00000104633.2,Gm42421,lncRNA	0.91619	0.22908
ENSMUSG00000045877.3,4933415A04Rik,lncRNA	0.91559	0.089802
ENSMUSG00000114608.5,Gm36161,lncRNA	0.91526	0.554782
ENSMUSG00000078815.9,Cacng6,protein_coding	0.9133	0.511265
ENSMUSG00000042282.5,Gucy2f,protein_coding	0.91091	0.26686
ENSMUSG00000002100.16,Mybpc3,protein_coding	0.9108	0.31914
ENSMUSG00000091228.2,Nme1nme2,protein_coding	0.91072	0.119402
ENSMUSG00000069272.7,H2ac8,protein_coding	0.91004	0.677272
ENSMUSG00000002910.12,Arrdc2,protein_coding	0.90767	0.045113
ENSMUSG00000104415.2,Gm37069,TEC	0.90619	0.034357
ENSMUSG00000103735.2,Gm38317,processed_pseudogene	0.90598	0.68081
ENSMUSG00000139073.1,ENSMUSG00000139073,lncRNA	0.90505	0.705623
ENSMUSG00000000690.6,Hoxb6,protein_coding	0.90419	0.705804
ENSMUSG00000066315.10,Gm12918,processed_pseudogene	0.90246	0.425377
ENSMUSG00000035595.7,Fam174c,protein_coding	0.89987	0.264028
ENSMUSG00000096793.9,Gm3002,protein_coding	0.89953	0.065595
ENSMUSG00000021965.4,Ska3,protein_coding	0.89918	0.482159
ENSMUSG00000108030.3,9530062K07Rik,lncRNA	0.89894	0.165438
ENSMUSG00000093565.4,Rab26os,lncRNA	0.89874	0.229726
ENSMUSG00000085342.2,Gm12254,processed_pseudogene	0.89855	0.469156
ENSMUSG00000100750.2,Gm29084,lncRNA	0.89852	0.592278
ENSMUSG00000104745.2,Gm43073,TEC	0.8984	0.116314
ENSMUSG00000006204.8,Cdcp3,protein_coding	0.8965	0.527905
ENSMUSG00000032584.13,Mst1r,protein_coding	0.89538	0.165125
ENSMUSG00000021702.8,Thbs4,protein_coding	0.89494	0.20627
ENSMUSG00000055912.9,Tmem150a,protein_coding	0.89359	0.020986
ENSMUSG00000018822.8,Sfrp5,protein_coding	0.89281	0.319307
ENSMUSG00000069516.9,Lyz2,protein_coding	0.89146	0.559696
ENSMUSG00000119734.1,Gm25021,snRNA	0.89126	0.782951
ENSMUSG00000102263.3,Gm31415,lncRNA	0.89099	0.629417
ENSMUSG00000081824.6,Ndufs5-ps,processed_pseudogene	0.89097	0.415726
ENSMUSG00000028885.9,Smpdl3b,protein_coding	0.88888	0.098356
ENSMUSG00000142203.1,ENSMUSG00000142203,lncRNA	0.88872	0.166276
ENSMUSG00000139259.1,ENSMUSG00000139259,lncRNA	0.88823	0.198635
ENSMUSG00000030732.14,Chrdl2,protein_coding	0.88789	0.199732
ENSMUSG00000080810.2,Gm11737,processed_pseudogene	0.8876	0.234154
ENSMUSG00000021356.11,Irf4,protein_coding	0.88741	0.644692
ENSMUSG00000004098.8,Col5a3,protein_coding	0.8861	0.13227
ENSMUSG00000056316.3,Gm9996,TEC	0.88589	0.098106
ENSMUSG00000015355.14,Cd48,protein_coding	0.88527	0.552437
ENSMUSG00000047730.18,Fcgbp,protein_coding	0.88502	0.585402
ENSMUSG00000003379.8,Cd79a,protein_coding	0.88392	0.681488
ENSMUSG00000108207.4,1810059H22Rik,lncRNA	0.88379	0.085331
ENSMUSG00000071637.6,Cebpd,protein_coding	0.88252	0.194828
ENSMUSG00000066407.4,Gm10263,processed_pseudogene	0.88248	0.625488
ENSMUSG00000086513.4,Gvin-ps1,transcribed_unprocessed_pseudogene	0.88247	0.433925

ENSMUSG00000108322.5,5430431A17Rik,lncRNA	0.88128	0.07735
ENSMUSG00000123750.1,ENSMUSG00000123750,lncRNA	0.88113	0.288424
ENSMUSG00000067215.6,Usp51,protein_coding	0.87992	0.206695
ENSMUSG00000104002.3,Gm38336,lncRNA	0.87949	0.091239
ENSMUSG00000097209.4,AU022754,lncRNA	0.87406	0.140115
ENSMUSG00000053063.12,Clec12a,protein_coding	0.8738	0.606277
ENSMUSG00000121091.2,Gm56861,lncRNA	0.87046	0.111298
ENSMUSG00000131967.1,ENSMUSG00000131967,lncRNA	0.86756	0.195715
ENSMUSG00000007888.16,Crlf1,protein_coding	0.86753	0.294633
ENSMUSG00000102912.2,Gm20731,TEC	0.86727	0.300052
ENSMUSG00000023045.14,Soat2,protein_coding	0.86703	0.667512
ENSMUSG00000102674.3,8030442B05Rik,lncRNA	0.86655	0.477102
ENSMUSG00000120250.2,2010004M13Rik,lncRNA	0.86555	0.425585
ENSMUSG00000021091.9,Serpina3n,protein_coding	0.8627	0.053783
ENSMUSG00000084838.4,Gm10241,transcribed_processed_pseudogene	0.86188	0.529922
ENSMUSG00000046167.6,Gldn,protein_coding	0.86126	0.011176
ENSMUSG00000077564.3,Gm23202,snoRNA	0.86003	0.550453
ENSMUSG00000111686.2,Rab7-ps1,processed_pseudogene	0.85698	0.223591
ENSMUSG00000061878.17,Sphk1,protein_coding	0.85452	0.081307
ENSMUSG00000131962.1,ENSMUSG00000131962,lncRNA	0.85366	0.187887
ENSMUSG00000123923.1,ENSMUSG00000123923,lncRNA	0.85153	0.674438
ENSMUSG00000123446.1,ENSMUSG00000123446,lncRNA	0.84995	0.222919
ENSMUSG00000118871.1,Gm23511,snRNA	0.84969	0.354416
ENSMUSG00000068167.7,Csnka2ip,protein_coding	0.84915	0.360565
ENSMUSG00000113255.2,Tes3-ps,protein_coding	0.84899	0.323369
ENSMUSG00000097187.3,Gm19426,lncRNA	0.84896	0.109935
ENSMUSG00000100658.4,F730311O21Rik,lncRNA	0.84865	0.475327
ENSMUSG00002076983.1,Gm55949,misc_RNA	0.8463	0.167736
ENSMUSG00000111110.3,Gm36855,lncRNA	0.84603	0.028607
ENSMUSG00000099708.3,Gm29361,lncRNA	0.84602	0.17877
ENSMUSG00000102432.3,Gm29856,lncRNA	0.84586	0.302882
ENSMUSG00000047161.13,Chst9,protein_coding	0.84497	0.203838
ENSMUSG00000084760.2,Gm15472,lncRNA	0.84406	0.300344
ENSMUSG00000096233.2,Gm13238,processed_pseudogene	0.84369	0.651817
ENSMUSG00000107667.4,C530044C16Rik,lncRNA	0.84264	0.174378
ENSMUSG00000107033.2,Gm43553,TEC	0.84182	0.168416
ENSMUSG00000085022.5,Gm5860,lncRNA	0.84169	0.659596
ENSMUSG00000097934.3,6720483E21Rik,lncRNA	0.84102	0.178992
ENSMUSG00000038379.16,Ttk,protein_coding	0.8404	0.583216
ENSMUSG00000093942.4,Or13a18,protein_coding	0.84033	0.300678
ENSMUSG00000134977.1,ENSMUSG00000134977,lncRNA	0.84003	0.375736
ENSMUSG00000102224.7,4930447F24Rik,lncRNA	0.83873	0.405461
ENSMUSG00000058806.16,Col13a1,protein_coding	0.83653	0.053525
ENSMUSG00000124997.1,ENSMUSG00000124997,lncRNA	0.83514	0.247386
ENSMUSG00000035228.16,Ccdc106,protein_coding	0.83463	0.01823
ENSMUSG00000144090.1,ENSMUSG00000144090,lncRNA	0.83427	0.319208
ENSMUSG00000051504.19,Siglech,protein_coding	0.83261	0.05435
ENSMUSG00000090006.3,Gm16227,lncRNA	0.83156	0.126378
ENSMUSG00000142867.1,ENSMUSG00000142867,lncRNA	0.83052	0.214008
ENSMUSG00000134535.1,ENSMUSG00000134535,lncRNA	0.83039	0.298976
ENSMUSG00000090103.2,Gm16094,lncRNA	0.82789	0.708025
ENSMUSG00000032593.6,Amigo3,protein_coding	0.82764	0.137008

ENSMUSG00000037544.15,Dlgap5,protein_coding	0.82741	0.583037
ENSMUSG00000066170.10,E230001N04Rik,lncRNA	0.82605	0.251024
ENSMUSG00000034278.4,Dnajc17,protein_coding	0.82598	0.065861
ENSMUSG00000120717.2,Gm56791,lncRNA	0.82551	0.310941
ENSMUSG00000040751.13,Lat2,protein_coding	0.82493	0.534676
ENSMUSG00000120321.2,Gm51802,lncRNA	0.82488	0.719944
ENSMUSG00000085434.3,Gm11725,lncRNA	0.82315	0.178709
ENSMUSG00000065817.3,Gm24698,snoRNA	0.82038	0.555825
ENSMUSG00000026414.15,Tnnt2,protein_coding	0.82035	0.073512
ENSMUSG00000105695.2,Gm43327,TEC	0.81764	0.258045
ENSMUSG00000108122.2,Gm44116,TEC	0.81661	0.299125
ENSMUSG00000079222.3,ENSMUSG00000079222,protein_coding	0.81453	0.725935
ENSMUSG00000025515.17,Muc2,protein_coding	0.81372	0.350191
ENSMUSG00000078143.6,Gm17344,lncRNA	0.81357	0.121037
ENSMUSG00000031762.8,Mt2,protein_coding	0.8133	0.067283
ENSMUSG00000002083.14,Bbc3,protein_coding	0.81312	0.207552
ENSMUSG00000143424.1,ENSMUSG00000143424,lncRNA	0.81281	0.308293
ENSMUSG00000074397.6,Foxr1,protein_coding	0.81233	0.769889
ENSMUSG00000110669.2,Gm10060,transcribed_processed_pseudogene	0.81233	0.180268
ENSMUSG00000105217.2,Gm42873,TEC	0.80986	0.291764
ENSMUSG00000099930.3,Gm2396,lncRNA	0.80918	0.473357
ENSMUSG00000006517.6,Mvd,protein_coding	0.80796	0.026209
ENSMUSG00000025511.16,Tspan4,protein_coding	0.80792	0.105134
ENSMUSG00000105879.2,Gm6204,processed_pseudogene	0.8078	0.265001
ENSMUSG00000074517.3,Gm10710,lncRNA	0.80645	0.327658
ENSMUSG00000058396.8,Gpr182,protein_coding	0.80491	0.191189
ENSMUSG00000121483.2,ENSMUSG00000121483,lncRNA	0.80467	0.191576
ENSMUSG00000087547.4,Platr27,lncRNA	0.80336	0.714634
ENSMUSG00000048416.16,Mlf1,protein_coding	0.80326	0.404366
ENSMUSG00000038692.9,Hoxb4,protein_coding	0.80214	0.607419
ENSMUSG00000029361.19,Nos1,protein_coding	0.80159	0.003051
ENSMUSG00000031972.6,Acta1,protein_coding	0.8013	0.264613
ENSMUSG00000037337.12,Map4k1,protein_coding	0.80031	0.585211
ENSMUSG00000106121.2,Gm42679,lncRNA	0.79983	0.229134
ENSMUSG00000129234.1,ENSMUSG00000129234,lncRNA	0.79934	0.189022
ENSMUSG00000064751.3,Gm26330,snoRNA	0.798	0.22114
ENSMUSG00000041798.16,Gck,protein_coding	0.7964	0.530464
ENSMUSG00000115969.2,Gm46519,lncRNA	0.79448	0.625149
ENSMUSG00000132112.1,ENSMUSG00000132112,lncRNA	0.79445	0.645394
ENSMUSG00000036907.12,C1ql2,protein_coding	0.79416	0.294575
ENSMUSG00000108461.4,AV356131,lncRNA	0.79415	0.150441
ENSMUSG00000072955.15,Tmsb15l,protein_coding	0.79323	0.311644
ENSMUSG00000097806.5,Gm6556,lncRNA	0.79135	0.251561
ENSMUSG00000020108.5,Ddit4,protein_coding	0.79087	0.081318
ENSMUSG00000113465.3,Gm40271,lncRNA	0.79067	0.524032
ENSMUSG00000047507.14,Baiap3,protein_coding	0.79037	0.329985
ENSMUSG00000044328.14,Trp53i13,protein_coding	0.79021	0.272759
ENSMUSG00000022580.14,Rhpn1,protein_coding	0.78804	0.088612
ENSMUSG00000123342.1,ENSMUSG00000123342,lncRNA	0.78719	0.478698
ENSMUSG00000134489.1,ENSMUSG00000134489,lncRNA	0.78691	0.227889
ENSMUSG00000019890.5,Nts,protein_coding	0.78642	0.341618
ENSMUSG00000061311.7,Rag1,protein_coding	0.78548	0.195734

ENSMUSG00000106037.2,Gm4332,processed_pseudogene	0.78496	0.246818
ENSMUSG00000082908.5,Gm13736,transcribed_processed_pseudogene	0.78432	0.206992
ENSMUSG00000125575.1,ENSMUSG00000125575,lncRNA	0.78431	0.661809
ENSMUSG00000047773.16,Ankfn1,protein_coding	0.78131	0.142087
ENSMUSG00000128074.1,ENSMUSG00000128074,lncRNA	0.78127	0.140979
ENSMUSG00000021130.9,Galnt16,protein_coding	0.7807	0.079472
ENSMUSG00000132591.1,ENSMUSG00000132591,lncRNA	0.78001	0.177693
ENSMUSG00000028687.18,Mutyh,protein_coding	0.77858	0.197796
ENSMUSG00000112621.2,Gm5173,processed_pseudogene	0.7784	0.220581
ENSMUSG00000081434.4,Gm14165,transcribed_processed_pseudogene	0.77809	0.481381
ENSMUSG00000020932.15,Gfap,protein_coding	0.77795	0.162227
ENSMUSG00000073628.7,Gm10552,lncRNA	0.77738	0.423636
ENSMUSG00000097535.3,Gm26592,lncRNA	0.77663	0.269465
ENSMUSG00000141517.1,ENSMUSG00000141517,lncRNA	0.77565	0.426584
ENSMUSG00000093112.4,Gm22701,misc_RNA	0.77547	0.123798
ENSMUSG00000052477.16,Sp140l2,protein_coding	0.77411	0.690953
ENSMUSG00000123251.1,ENSMUSG00000123251,lncRNA	0.7739	0.648023
ENSMUSG00000066363.13,Serpina3f,protein_coding	0.77372	0.556407
ENSMUSG00000102844.2,Gm38034,TEC	0.77363	0.176001
ENSMUSG00000073758.11,Sh3d21,protein_coding	0.77327	0.125314
ENSMUSG00000125057.1,ENSMUSG00000125057,lncRNA	0.77278	0.421799
ENSMUSG00000053747.10,Sox14,protein_coding	0.77277	0.567227
ENSMUSG00000103965.3,Gm30173,lncRNA	0.77239	0.640751
ENSMUSG00000078588.11,Ccdc24,protein_coding	0.77184	0.289344
ENSMUSG00000137972.1,ENSMUSG00000137972,lncRNA	0.77177	0.723585
ENSMUSG00000097715.5,Gpr137b-ps,transcribed_unprocessed_pseudogene	0.77106	0.514831
ENSMUSG00000031004.9,Mki67,protein_coding	0.771	0.659314
ENSMUSG00000086340.3,1810059C17Rik,lncRNA	0.7705	0.330396
ENSMUSG00000020169.5,Best3,protein_coding	0.77048	0.234493
ENSMUSG00000114309.3,Gm48295,lncRNA	0.77007	0.343126
ENSMUSG00000031355.17,Arhgap6,protein_coding	0.76999	0.094508
ENSMUSG00000137107.1,ENSMUSG00000137107,lncRNA	0.76954	0.148068
ENSMUSG00000030263.14,Irag2,protein_coding	0.76938	0.587544
ENSMUSG00000074342.5,I830077J02Rik,protein_coding	0.76789	0.356251
ENSMUSG00000063681.15,Crb1,protein_coding	0.76685	0.145549
ENSMUSG00000022074.7,Tnfrsf10b,protein_coding	0.76602	0.468134
ENSMUSG00000128922.1,ENSMUSG00000128922,lncRNA	0.76585	0.332026
ENSMUSG00000059136.5,Or13a25,protein_coding	0.76527	0.329392
ENSMUSG00000050022.17,Amz1,protein_coding	0.76464	0.053658
ENSMUSG00000040613.15,Apobec1,protein_coding	0.76462	0.580534
ENSMUSG00000097174.5,Gm4890,lncRNA	0.76424	0.362876
ENSMUSG00000124792.1,ENSMUSG00000124792,lncRNA	0.76359	0.186063
ENSMUSG00000069835.11,Sat2,protein_coding	0.76296	0.005463
ENSMUSG00000129595.1,ENSMUSG00000129595,lncRNA	0.76247	0.164477
ENSMUSG00000026712.4,Mrc1,protein_coding	0.76228	0.372547
ENSMUSG00000139510.1,ENSMUSG00000139510,lncRNA	0.76046	0.241361
ENSMUSG00000110239.4,Gm45620,lncRNA	0.76033	0.188777
ENSMUSG00000120856.2,Gm57039,lncRNA	0.75987	0.199916
ENSMUSG00000030577.15,Cd22,protein_coding	0.75896	0.707298
ENSMUSG00000001494.7,Sost,protein_coding	0.75855	0.353638
ENSMUSG00000041782.15,Lad1,protein_coding	0.75837	0.137341
ENSMUSG00000082029.2,H3f3c,processed_pseudogene	0.75766	0.658318

ENSMUSG00000087963.3,Gm25394,snoRNA	0.75734	0.055171
ENSMUSG00000113679.3,Gm10432,lncRNA	0.75598	0.061092
ENSMUSG00000032372.15,Plscr2,protein_coding	0.75548	0.127428
ENSMUSG00000113868.3,Gm34719,lncRNA	0.75416	0.521407
ENSMUSG00000048368.10,Omd,protein_coding	0.7535	0.375079
ENSMUSG00000027246.13,Ell3,protein_coding	0.75197	0.81517
ENSMUSG00000093064.5,Gm23153,misc_RNA	0.75103	0.170519
ENSMUSG00000112241.2,Gm49325,protein_coding	0.74998	0.242818
ENSMUSG00000073294.5,Ezhip,protein_coding	0.74952	0.188536
ENSMUSG00000111390.2,Gm48796,lncRNA	0.74873	0.143828
ENSMUSG00000126352.1,ENSMUSG00000126352,lncRNA	0.74742	0.147004
ENSMUSG00000029816.11,Gpnmb,protein_coding	0.74709	0.530237
ENSMUSG00000100876.2,2810454H06Rik,lncRNA	0.7459	0.248276
ENSMUSG00000109118.4,Gm32031,lncRNA	0.74512	0.111665
ENSMUSG00000120175.2,Gm56912,lncRNA	0.745	0.059427
ENSMUSG00000040204.7,Pclaf,protein_coding	0.74408	0.674066
ENSMUSG00000095041.8,ENSMUSG00000095041,protein_coding	0.74342	0.191964
ENSMUSG00000093044.3,Snord8,snoRNA	0.74309	0.037132
ENSMUSG00000046942.18,Mageb16,protein_coding	0.739	0.126574
ENSMUSG00000002043.18,Trappc6a,protein_coding	0.73838	0.175279
ENSMUSG00000082609.2,Gm15464,processed_pseudogene	0.73829	0.330088
ENSMUSG00000022221.15,Ripk3,protein_coding	0.73584	0.68782
ENSMUSG00000102975.2,Gm37347,TEC	0.73548	0.708506
ENSMUSG00000033427.15,Upb1,protein_coding	0.73538	0.460642
ENSMUSG00000029828.5,Spmip4,protein_coding	0.73332	0.157282
ENSMUSG00000111934.2,Gm48123,TEC	0.73328	0.188589
ENSMUSG00000022464.15,Slc38a4,protein_coding	0.73321	0.306755
ENSMUSG00000121248.2,Gm57459,lncRNA	0.73296	0.652101
ENSMUSG00000053368.14,Rxfp2,protein_coding	0.73289	0.318145
ENSMUSG00000101174.9,Hoxd4,protein_coding	0.73279	0.763688
ENSMUSG00000086708.2,Gm15577,lncRNA	0.73237	0.423686
ENSMUSG00000026271.16,Gpr35,protein_coding	0.73236	0.405513
ENSMUSG00000120939.1,Gm57044,lncRNA	0.73185	0.383109
ENSMUSG00000107097.2,Gm42584,processed_pseudogene	0.73091	0.326829
ENSMUSG00000129937.1,ENSMUSG00000129937,lncRNA	0.73087	0.371262
ENSMUSG00000109097.4,Gm29683,lncRNA	0.73055	0.210941
ENSMUSG00000023949.8,Tcte1,protein_coding	0.7303	0.122162
ENSMUSG00000141587.1,ENSMUSG00000141587,lncRNA	0.72974	0.436981
ENSMUSG00000040703.12,Cyp2s1,protein_coding	0.72973	0.039846
ENSMUSG00000140554.1,ENSMUSG00000140554,lncRNA	0.72966	0.245023
ENSMUSG00000044562.13,Rasip1,protein_coding	0.72941	0.071234
ENSMUSG00000027314.7,Dll4,protein_coding	0.72699	0.177935
ENSMUSG00000115810.4,Gm49066,lncRNA	0.72642	0.226499
ENSMUSG00000044254.7,Pcsk9,protein_coding	0.72585	0.210021
ENSMUSG00000143907.1,ENSMUSG00000143907,lncRNA	0.72554	0.563771
ENSMUSG00000068762.12,Gstm6,protein_coding	0.7245	0.22901
ENSMUSG00000023964.16,Calcr,protein_coding	0.72393	0.630239
ENSMUSG00000121797.1,Gm15501,lncRNA	0.7226	0.219896
ENSMUSG00000108390.3,Gm39038,lncRNA	0.72236	0.131473
ENSMUSG00000036422.11,Pcdh8,protein_coding	0.72229	0.030078
ENSMUSG00000123333.1,ENSMUSG00000123333,lncRNA	0.72139	0.669635
ENSMUSG00000030798.16,Cd37,protein_coding	0.72115	0.661756

ENSMUSG00000038782.8,1700028J19Rik,protein_coding	0.72095	0.312964
ENSMUSG00000018986.11,Slfn3,protein_coding	0.71927	0.589768
ENSMUSG00000120385.2,Vis1,lncRNA	0.71876	0.372295
ENSMUSG00000020330.17,Hmmr,protein_coding	0.71784	0.643212
ENSMUSG00000109198.2,D7Bwg0826e,TEC	0.7178	0.20924
ENSMUSG00000135596.1,ENSMUSG00000135596,lncRNA	0.71674	0.257275
ENSMUSG00000051262.10,Nat8f3,protein_coding	0.71637	0.14424
ENSMUSG00000120406.2,Gm9456,lncRNA	0.71596	0.072107
ENSMUSG00000037731.6,Themis2,protein_coding	0.71535	0.583633
ENSMUSG00000116772.4,4930483P17Rik,lncRNA	0.71534	0.271332
ENSMUSG00000078721.2,Spata31f1a,protein_coding	0.7153	0.669769
ENSMUSG00000128947.1,ENSMUSG00000128947,lncRNA	0.71516	0.471369
ENSMUSG00000074479.4,Rtraf-ps,transcribed_processed_pseudogene	0.71514	0.530551
ENSMUSG00000110747.3,Gm35657,lncRNA	0.71494	0.327593
ENSMUSG00000033227.8,Wnt6,protein_coding	0.7144	0.369631
ENSMUSG00000025216.10,Lbx1,protein_coding	0.71369	0.34763
ENSMUSG00000091625.9,Lsm5,protein_coding	0.71289	0.271903
ENSMUSG00000036198.13,Arhgap36,protein_coding	0.71275	0.452694
ENSMUSG00000116812.2,Gm2792,transcribed_unprocessed_pseudogene	0.71264	0.776367
ENSMUSG00000021250.14,Fos,protein_coding	0.71223	0.07567
ENSMUSG00000065089.3,Gm26493,snoRNA	0.71093	0.228426
ENSMUSG00000119895.1,Gm22513,snRNA	0.71069	0.223438
ENSMUSG00000031262.13,Cenpi,protein_coding	0.71006	0.646235
ENSMUSG00000059645.7,Gm7361,protein_coding	0.70397	0.24492
ENSMUSG00000041771.15,Slc24a4,protein_coding	0.7022	0.045478
ENSMUSG00000128169.1,ENSMUSG00000128169,lncRNA	0.70189	0.113092
ENSMUSG00000082570.2,Gm15711,processed_pseudogene	0.70159	0.38474
ENSMUSG00000127364.1,ENSMUSG00000127364,lncRNA	0.70146	0.183743
ENSMUSG00000020808.4,Pimreg,protein_coding	0.70089	0.584368
ENSMUSG00000120335.2,A630066F11Rik,lncRNA	0.70072	0.371424
ENSMUSG00000121016.2,Gm41818,lncRNA	0.70031	0.615204
ENSMUSG00000110631.3,Gm42047,lncRNA	0.69966	0.654821
ENSMUSG00000107008.6,Gm2762,lncRNA	0.69863	0.155846
ENSMUSG00000121771.2,ENSMUSG00000121771,lncRNA	0.69832	0.318866
ENSMUSG00000042708.13,Shcbp1l,protein_coding	0.69802	0.140972
ENSMUSG00000032420.9,Nt5e,protein_coding	0.69752	0.039577
ENSMUSG00000076617.10,Ighm,IG_C_gene	0.69711	0.567639
ENSMUSG00000108630.2,Gm44607,TEC	0.69653	0.329698
ENSMUSG00000028360.11,Slc44a5,protein_coding	0.69572	0.026669
ENSMUSG00000137581.1,ENSMUSG00000137581,lncRNA	0.69425	0.152576
ENSMUSG00000020566.20,Atp6v1c2,protein_coding	0.6938	0.547671
ENSMUSG00000026581.15,Sell,protein_coding	0.69309	0.507472
ENSMUSG00000018339.13,Gpx3,protein_coding	0.69304	0.25586
ENSMUSG00000017697.4,Ada,protein_coding	0.69285	0.624071
ENSMUSG00000084761.3,Gm12406,lncRNA	0.69202	0.255222
ENSMUSG00000032311.18,Nrg4,protein_coding	0.69178	0.123943
ENSMUSG00000053175.18,Bcl3,protein_coding	0.6914	0.561489
ENSMUSG00000086646.10,Platr20,lncRNA	0.6903	0.70804
ENSMUSG00000039457.5,Ppl,protein_coding	0.68983	0.136289
ENSMUSG00000079410.5,Gm2897,protein_coding	0.6886	0.157823
ENSMUSG00000036915.18,Kirrel2,protein_coding	0.68825	0.159492
ENSMUSG00000103560.2,Gm38070,TEC	0.68812	0.291824

ENSMUSG00000035273.15,Hpse,protein_coding	0.68571	0.665687
ENSMUSG00000026355.12,Mcm6,protein_coding	0.68544	0.622435
ENSMUSG00000091905.4,Dnajb6-ps,processed_pseudogene	0.6847	0.345909
ENSMUSG00000103923.3,Gm37896,lncRNA	0.68343	0.457673
ENSMUSG00000039474.14,Wfs1,protein_coding	0.68293	0.066675
ENSMUSG00000017718.16,Afmid,protein_coding	0.68046	0.455478
ENSMUSG00000091736.4,Yy2,protein_coding	0.67993	0.734575
ENSMUSG00000038112.16,AW551984,protein_coding	0.67984	0.322487
ENSMUSG00000086822.5,5330413P13Rik,lncRNA	0.67938	0.187346
ENSMUSG00000091318.3,Semp2l1,protein_coding	0.67898	0.456009
ENSMUSG00000129448.1,ENSMUSG00000129448,lncRNA	0.67881	0.268135
ENSMUSG00000095217.2,H2bc15,protein_coding	0.6784	0.712086
ENSMUSG00000085609.4,1700016P03Rik,lncRNA	0.67826	0.394176
ENSMUSG00000073530.12,Pappa2,protein_coding	0.67806	0.134732
ENSMUSG00000121418.1,ENSMUSG00000121418,lncRNA	0.67759	0.796412
ENSMUSG00000073705.11,Cenps,protein_coding	0.67663	0.341032
ENSMUSG00000029417.10,Cxcl9,protein_coding	0.67659	0.627433
ENSMUSG00000064582.3,Gm25135,snRNA	0.67576	0.544349
ENSMUSG00000047897.11,Ripply2,protein_coding	0.67394	0.183123
ENSMUSG00000100009.8,Gm7967,lncRNA	0.67362	0.25396
ENSMUSG00000003812.14,Dnase2a,protein_coding	0.6716	0.255198
ENSMUSG00000107961.3,Gm44036,lncRNA	0.67153	0.375906
ENSMUSG00000142101.1,ENSMUSG00000142101,lncRNA	0.67095	0.408556
ENSMUSG00000091679.10,Vmn2r96,protein_coding	0.6701	0.743568
ENSMUSG00000109214.3,Gm44659,lncRNA	0.66932	0.736744
ENSMUSG00000107375.2,Gm43084,TEC	0.66898	0.235792
ENSMUSG00000049555.11,Tmie,protein_coding	0.66808	0.165069
ENSMUSG00000069913.4,Anp32-ps,processed_pseudogene	0.66716	0.29791
ENSMUSG00000109853.3,Gm33045,lncRNA	0.6671	0.302441
ENSMUSG00000109509.2,Rps12-ps4,transcribed_processed_pseudogene	0.66652	0.77221
ENSMUSG00000026822.15,Lcn2,protein_coding	0.66557	0.501911
ENSMUSG00000035773.7,Kiss1r,protein_coding	0.66539	0.062565
ENSMUSG00000028362.3,Tnfsf8,protein_coding	0.66485	0.661094
ENSMUSG00000078684.9,5830417I10Rik,transcribed_unprocessed_pseudog	0.6648	0.27002
ENSMUSG00000113778.3,Gm40847,lncRNA	0.66454	0.793135
ENSMUSG00000024481.6,Lvrn,protein_coding	0.66433	0.310707
ENSMUSG00000103763.2,Gm37860,TEC	0.66367	0.20112
ENSMUSG00000037772.14,Mrpl23,protein_coding	0.66319	0.037173
ENSMUSG00000031962.7,Cdh15,protein_coding	0.66305	0.380931
ENSMUSG00000064602.3,Snora41,snoRNA	0.66302	0.425122
ENSMUSG00000020592.16,Sdc1,protein_coding	0.66296	0.385445
ENSMUSG00000045382.7,Cxcr4,protein_coding	0.6627	0.682457
ENSMUSG00000039316.15,Rftn1,protein_coding	0.66214	0.344985
ENSMUSG00000134256.1,ENSMUSG00000134256,lncRNA	0.66193	0.339946
ENSMUSG00000106694.2,Gm42894,TEC	0.6617	0.180437
ENSMUSG00000121029.2,Gm57398,lncRNA	0.66129	0.508325
ENSMUSG00000048546.9,Tob2,protein_coding	0.66117	0.062998
ENSMUSG00000042510.8,AA986860,protein_coding	0.661	0.183706
ENSMUSG00000091472.4,Gm3739,protein_coding	0.6609	0.25051
ENSMUSG00000039187.17,Fanci,protein_coding	0.66078	0.602875
ENSMUSG00000113076.2,Gm47088,TEC	0.66	0.362628
ENSMUSG00000084849.2,Gm16105,lncRNA	0.65999	0.420887

ENSMUSG00000000555.9,Itga5,protein_coding	0.6598	0.124096
ENSMUSG00000097233.2,Gm17552,lncRNA	0.65929	0.348178
ENSMUSG00000032750.14,Gab3,protein_coding	0.65906	0.072655
ENSMUSG00000097640.10,Gm20033,lncRNA	0.65904	0.097871
ENSMUSG00000101268.7,2010310C07Rik,lncRNA	0.65904	0.444828
ENSMUSG00000030917.14,Ldaf1,protein_coding	0.65872	0.178919
ENSMUSG00000032744.5,Heyl,protein_coding	0.65846	0.148344
ENSMUSG00000130774.1,ENSMUSG00000130774,lncRNA	0.65804	0.2598
ENSMUSG00000121816.2,Gm52969,lncRNA	0.65788	0.742005
ENSMUSG00000040152.9,Thbs1,protein_coding	0.65783	0.061981
ENSMUSG00000005470.9,Asf1b,protein_coding	0.65611	0.609273
ENSMUSG00000119011.1,Gm25291,snoRNA	0.6561	0.113417
ENSMUSG00000020423.7,Btg2,protein_coding	0.65486	0.057526
ENSMUSG00000057615.6,Ldoc1,protein_coding	0.65482	0.352125
ENSMUSG00000063689.5,H2ac21,protein_coding	0.65425	0.379698
ENSMUSG00000028088.15,Fmo5,protein_coding	0.65411	0.096748
ENSMUSG00000106585.2,Gm25053,snoRNA	0.65355	0.377186
ENSMUSG00000105264.2,Gm42716,lncRNA	0.65323	0.23334
ENSMUSG00000006378.16,Gcat,protein_coding	0.65315	0.096046
ENSMUSG00000075031.5,H2bc3,protein_coding	0.65304	0.582276
ENSMUSG00000120437.2,Gm56954,lncRNA	0.65246	0.336713
ENSMUSG00000085201.3,Nr6a1os,lncRNA	0.65192	0.64734
ENSMUSG00000109841.5,E330011O21Rik,lncRNA	0.65153	0.337786
ENSMUSG00000132950.1,ENSMUSG00000132950,lncRNA	0.65106	0.393526
ENSMUSG00000047363.5,Cstad,protein_coding	0.64979	0.236244
ENSMUSG00000072809.4,9330160F10Rik,lncRNA	0.64861	0.060783
ENSMUSG00000103998.3,Gm38025,lncRNA	0.64859	0.076641
ENSMUSG00000051506.18,Wdfy4,protein_coding	0.64835	0.617837
ENSMUSG00000134201.1,ENSMUSG00000134201,lncRNA	0.6483	0.676794
ENSMUSG00000136569.1,ENSMUSG00000136569,lncRNA	0.64743	0.042597
ENSMUSG00000104240.2,Gm36858,unprocessed_pseudogene	0.64719	0.132772
ENSMUSG00000018168.9,Ikzf3,protein_coding	0.64628	0.715065
ENSMUSG00000021411.17,Pxdc1,protein_coding	0.64603	0.125081
ENSMUSG00000053093.17,Myh7,protein_coding	0.64481	0.236644
ENSMUSG00000082879.2,Gm13525,processed_pseudogene	0.64454	0.302046
ENSMUSG00000046186.9,Cd109,protein_coding	0.64453	0.160487
ENSMUSG00000117172.3,A230051N06Rik,lncRNA	0.64379	0.212563
ENSMUSG00000114138.3,Gm36423,lncRNA	0.64367	0.339318
ENSMUSG00000032085.6,Tagln,protein_coding	0.64302	0.214825
ENSMUSG00000085715.4,Tsix,lncRNA	0.64251	0.101916
ENSMUSG00000031297.15,Slc7a3,protein_coding	0.6425	0.291575
ENSMUSG00000106133.2,Gm3724,processed_pseudogene	0.64215	0.2906
ENSMUSG00000060735.5,Rxfp3,protein_coding	0.64027	0.140989
ENSMUSG00000131735.1,ENSMUSG00000131735,lncRNA	0.63997	0.093673
ENSMUSG00000090841.3,Myl6,protein_coding	0.63975	0.032586
ENSMUSG00000102618.2,Gm37848,TEC	0.63968	0.165365
ENSMUSG00000066952.12,Myo1h,protein_coding	0.63966	0.292675
ENSMUSG00000083902.3,Tent2-ps1,processed_pseudogene	0.63839	0.179869
ENSMUSG00000064023.5,Klk8,protein_coding	0.63821	0.33845
ENSMUSG00000102545.3,6430573P05Rik,lncRNA	0.6375	0.194713
ENSMUSG00000127239.1,ENSMUSG00000127239,lncRNA	0.63669	0.423659
ENSMUSG00000126148.1,ENSMUSG00000126148,lncRNA	0.63648	0.263851

ENSMUSG00000131743.1,ENSMUSG00000131743,lncRNA	0.6361	0.317519
ENSMUSG00000126238.1,ENSMUSG00000126238,lncRNA	0.63598	0.212863
ENSMUSG00000047250.14,Ptgs1,protein_coding	0.63508	0.043158
ENSMUSG00000143468.1,ENSMUSG00000143468,lncRNA	0.63416	0.606358
ENSMUSG00000028778.16,Hcrtr1,protein_coding	0.63379	0.437404
ENSMUSG00000028100.12,Nudt17,protein_coding	0.63364	0.379063
ENSMUSG00000121005.1,Gm56769,lncRNA	0.63341	0.485394
ENSMUSG00000080712.5,H2bc26,protein_coding	0.63333	0.380553
ENSMUSG00000113309.2,Gm48408,TEC	0.63332	0.203644
ENSMUSG00000049357.12,Brd8dc,protein_coding	0.63267	0.346439
ENSMUSG00000068122.11,Agtr2,protein_coding	0.63123	0.088453
ENSMUSG00000024399.6,Ltb,protein_coding	0.63105	0.636118
ENSMUSG00000041406.15,Firrm,protein_coding	0.63104	0.474998
ENSMUSG00000031595.10,Pdgfrl,protein_coding	0.63057	0.24613
ENSMUSG00000117255.2,Gm49864,lncRNA	0.63007	0.320406
ENSMUSG00000084024.2,Gm15937,processed_pseudogene	0.62956	0.387568
ENSMUSG00000129048.1,ENSMUSG00000129048,lncRNA	0.62936	0.434412
ENSMUSG00000027326.14,Knl1,protein_coding	0.62916	0.68946
ENSMUSG00000061702.11,Tmem91,protein_coding	0.62905	0.185457
ENSMUSG00000109780.3,Gm45447,lncRNA	0.62865	0.140635
ENSMUSG00000053263.5,Gm12592,lncRNA	0.62744	0.026615
ENSMUSG00000021773.12,Comtd1,protein_coding	0.62741	0.110263
ENSMUSG00000019935.17,Slc17a8,protein_coding	0.62651	0.510581
ENSMUSG00000070522.5,Gm6505,transcribed_processed_pseudogene	0.6262	0.767867
ENSMUSG00000099583.3,H3c4,protein_coding	0.62603	0.295762
ENSMUSG00000020892.11,Aloxe3,protein_coding	0.62597	0.099981
ENSMUSG00000031980.11,Agt,protein_coding	0.62584	0.255996
ENSMUSG00000045322.11,Tlr9,protein_coding	0.6248	0.659442
ENSMUSG00000060985.16,Tdrd5,protein_coding	0.62474	0.14911
ENSMUSG00000031298.16,Adgrg2,protein_coding	0.62462	0.180699
ENSMUSG00000028654.14,Mycl,protein_coding	0.62408	0.075897
ENSMUSG00000134611.1,ENSMUSG00000134611,lncRNA	0.62353	0.178432
ENSMUSG00000021136.14,Smoc1,protein_coding	0.62239	0.124445
ENSMUSG00000027376.16,Prom2,protein_coding	0.62153	0.527772
ENSMUSG00000107491.2,Gm17893,processed_pseudogene	0.62124	0.342057
ENSMUSG00000030170.15,Wnt5b,protein_coding	0.62088	0.434007
ENSMUSG00000028459.12,Cd72,protein_coding	0.62086	0.627527
ENSMUSG00000032889.8,Gm6685,processed_pseudogene	0.62071	0.254216
ENSMUSG00000143091.1,ENSMUSG00000143091,lncRNA	0.61967	0.762505
ENSMUSG00000073733.5,Cplane2,protein_coding	0.6195	0.328015
ENSMUSG00000103400.3,Gm15853,lncRNA	0.61819	0.157319
ENSMUSG00000030142.11,Clec4e,protein_coding	0.61782	0.633812
ENSMUSG00000103776.2,2900035J10Rik,TEC	0.61771	0.585673
ENSMUSG00000035104.15,Eva1a,protein_coding	0.61635	0.036682
ENSMUSG00000067786.17,Nnat,protein_coding	0.61582	0.062772
ENSMUSG00000125456.1,ENSMUSG00000125456,lncRNA	0.61542	0.267778
ENSMUSG00000121516.1,ENSMUSG00000121516,transcribed_unprocessed	0.61486	0.228638
ENSMUSG00000086804.10,Gm43154,lncRNA	0.6137	0.218031
ENSMUSG00000141534.1,ENSMUSG00000141534,lncRNA	0.6135	0.260925
ENSMUSG00000075122.6,Cd80,protein_coding	0.61349	0.601008
ENSMUSG00000026928.15,Card9,protein_coding	0.61287	0.557097
ENSMUSG00000043168.14,4930426D05Rik,lncRNA	0.61214	0.549418

ENSMUSG00000079277.10,Hoxd3,protein_coding	0.61205	0.799533
ENSMUSG00000087461.4,C230014O12Rik,lncRNA	0.612	0.235207
ENSMUSG00000042489.16,Clspn,protein_coding	0.61145	0.60721
ENSMUSG00000099329.3,Gm28052,lncRNA	0.61122	0.843312
ENSMUSG00000130979.1,ENSMUSG00000130979,lncRNA	0.61122	0.813719
ENSMUSG00000114401.4,Gm38604,lncRNA	0.61105	0.216317
ENSMUSG00000120290.2,Gm56959,lncRNA	0.61046	0.15694
ENSMUSG00000112110.4,Gm15608,lncRNA	0.6104	0.205871
ENSMUSG00000000753.16,Serpinf1,protein_coding	0.60999	0.08221
ENSMUSG00000031765.9,Mt1,protein_coding	0.6089	0.094102
ENSMUSG00000112779.2,Gm18029,processed_pseudogene	0.60831	0.25816
ENSMUSG00000074001.4,Klhl40,protein_coding	0.6078	0.210898
ENSMUSG00000131858.1,ENSMUSG00000131858,lncRNA	0.60759	0.244435
ENSMUSG00000102234.3,Gm37885,lncRNA	0.60677	0.198511
ENSMUSG00000141718.1,ENSMUSG00000141718,lncRNA	0.60669	0.641513
ENSMUSG00000074403.3,H3c13,protein_coding	0.60646	0.641777
ENSMUSG00000104286.2,Gm37457,TEC	0.60632	0.490584
ENSMUSG00000000305.13,Cdh4,protein_coding	0.60578	0.014458
ENSMUSG00000127941.1,ENSMUSG00000127941,lncRNA	0.60578	0.280578
ENSMUSG00000069622.6,Gm10273,transcribed_processed_pseudogene	0.60553	0.788345
ENSMUSG00000050106.19,Tmc8,protein_coding	0.6051	0.653243
ENSMUSG00000089952.3,4933413C19Rik,lncRNA	0.60503	0.276966
ENSMUSG00000028195.5,Ccn1,protein_coding	0.605	0.126338
ENSMUSG00000052392.6,Acot4,protein_coding	0.60437	0.170622
ENSMUSG00000029530.17,Ccr9,protein_coding	0.60312	0.428984
ENSMUSG00000020912.5,Krt12,protein_coding	0.60219	0.330712
ENSMUSG00000121714.1,Gm5088,lncRNA	0.60205	0.600286
ENSMUSG00000135641.1,ENSMUSG00000135641,lncRNA	0.6006	0.232797
ENSMUSG00000096257.3,Ccer2,protein_coding	0.60054	0.415888
ENSMUSG00000059060.16,Rad51b,protein_coding	0.60012	0.594441
ENSMUSG00000091345.11,Col6a5,protein_coding	0.59928	0.360692
ENSMUSG00000110446.2,Gm18646,processed_pseudogene	0.5991	0.237563
ENSMUSG00000023067.15,Cdkn1a,protein_coding	0.5989	0.144059
ENSMUSG00000022014.17,Epsti1,protein_coding	0.59819	0.565538
ENSMUSG00000091756.3,Gm3095,protein_coding	0.59799	0.063583
ENSMUSG00000103543.2,Gm37669,TEC	0.59666	0.403082
ENSMUSG00000104402.2,Gm38012,TEC	0.59662	0.262121
ENSMUSG00000110672.2,Gm45786,TEC	0.59614	0.283387
ENSMUSG00000132959.1,ENSMUSG00000132959,lncRNA	0.59607	0.388585
ENSMUSG00000103785.4,Gm35025,lncRNA	0.59528	0.190965
ENSMUSG00000000296.9,Tpd52l1,protein_coding	0.59511	0.126574
ENSMUSG00000026435.16,Slc45a3,protein_coding	0.59453	0.184028
ENSMUSG00000031119.5,Gpc4,protein_coding	0.59361	0.102547
ENSMUSG00000046561.10,Arsj,protein_coding	0.59314	0.161302
ENSMUSG00000008450.9,Nutf2,protein_coding	0.59308	0.290483
ENSMUSG00000110218.3,Tincr,protein_coding	0.59255	0.29321
ENSMUSG00000012123.18,Crybg2,protein_coding	0.59189	0.214468
ENSMUSG00000107481.2,4833403J16Rik,lncRNA	0.59156	0.766439
ENSMUSG00000065818.3,Snord35a,snoRNA	0.59135	0.397994
ENSMUSG00000097993.9,Ptprv,protein_coding	0.59067	0.601787
ENSMUSG00000134282.1,ENSMUSG00000134282,lncRNA	0.59064	0.370038
ENSMUSG00000078184.2,Rbm8a2,protein_coding	0.58972	0.392205

ENSMUSG00000054000.6,Tusc1,protein_coding	0.58967	0.095602
ENSMUSG00000062157.7,Ifnlr1,protein_coding	0.58929	0.703043
ENSMUSG00000030790.16,Adm,protein_coding	0.58888	0.533358
ENSMUSG00000097974.4,Gm10605,lncRNA	0.58814	0.342752
ENSMUSG00000104564.2,Gm17977,transcribed_processed_pseudogene	0.58805	0.383411
ENSMUSG00000116882.2,Gm49614,TEC	0.58799	0.458633
ENSMUSG00000020096.22,Tbata,protein_coding	0.58702	0.41343
ENSMUSG00000044338.10,Aplnr,protein_coding	0.58619	0.224098
ENSMUSG00000038463.9,Olfml2b,protein_coding	0.58411	0.130749
ENSMUSG00000086645.4,Gm15743,lncRNA	0.5841	0.312638
ENSMUSG00000031610.4,Scrg1,protein_coding	0.58392	0.048149
ENSMUSG00000028626.6,Col9a2,protein_coding	0.58352	0.070533
ENSMUSG00000024222.19,Fkbp5,protein_coding	0.58282	0.117362
ENSMUSG00000120687.2,Gm57095,lncRNA	0.58239	0.3866
ENSMUSG00000143012.1,ENSMUSG00000143012,lncRNA	0.58219	0.471223
ENSMUSG00000103483.2,Gm20162,processed_pseudogene	0.58122	0.270453
ENSMUSG00000027654.3,Fam83d,protein_coding	0.58077	0.319453
ENSMUSG00000006930.16,Hap1,protein_coding	0.58059	0.163437
ENSMUSG00000105890.2,Gm42780,TEC	0.58019	0.327042
ENSMUSG00000044456.17,Rin3,protein_coding	0.58009	0.269631
ENSMUSG00000108059.2,Gm44369,TEC	0.57971	0.44735
ENSMUSG00000041548.5,Hspb8,protein_coding	0.57961	0.214394
ENSMUSG00000067285.6,Gm16223,lncRNA	0.57895	0.378936
ENSMUSG00000122124.1,ENSMUSG00000122124,lncRNA	0.57858	0.352
ENSMUSG00000026930.16,Gpsm1,protein_coding	0.57854	0.046583
ENSMUSG00000105987.7,AI506816,lncRNA	0.57826	0.654803
ENSMUSG00000123948.1,ENSMUSG00000123948,lncRNA	0.57822	0.441171
ENSMUSG00000046207.15,Pik3r6,protein_coding	0.5772	0.166551
ENSMUSG00000026489.14,Coq8a,protein_coding	0.57698	0.046084
ENSMUSG00000110020.3,Gm45441,lncRNA	0.57693	0.202715
ENSMUSG00000115127.3,Gm46515,lncRNA	0.57671	0.108969
ENSMUSG00000141583.1,ENSMUSG00000141583,lncRNA	0.57671	0.349262
ENSMUSG00000111800.3,Gm31557,lncRNA	0.57635	0.409235
ENSMUSG00000003549.10,Ercc1,protein_coding	0.57606	0.017076
ENSMUSG00000038781.8,Stap2,protein_coding	0.57565	0.401448
ENSMUSG00000103046.2,Gm37309,TEC	0.57524	0.218382
ENSMUSG00000041617.11,Ccdc74a,protein_coding	0.57499	0.053574
ENSMUSG00000036123.9,Slc9a3,protein_coding	0.57475	0.278406
ENSMUSG00000031340.9,Gabre,protein_coding	0.57418	0.544838
ENSMUSG00000028012.16,Rrh,protein_coding	0.57353	0.267761
ENSMUSG00000028862.7,Map3k6,protein_coding	0.57333	0.517942
ENSMUSG00000007039.13,Ddah2,protein_coding	0.57315	0.052024
ENSMUSG00000031506.12,Ptpn7,protein_coding	0.57303	0.460794
ENSMUSG00000131059.1,ENSMUSG00000131059,lncRNA	0.57241	0.667457
ENSMUSG00000072844.8,G530011O06Rikx,lncRNA	0.57198	0.451322
ENSMUSG00000041324.15,Inhba,protein_coding	0.5717	0.112643
ENSMUSG00000082057.2,Gm15789,processed_pseudogene	0.57091	0.401446
ENSMUSG00000051048.18,P4ha3,protein_coding	0.57081	0.087991
ENSMUSG00000104971.2,9430087B13Rik,TEC	0.56951	0.598637
ENSMUSG00000047986.13,Palm3,protein_coding	0.56929	0.34583
ENSMUSG00000024696.10,Lpxn,protein_coding	0.56899	0.712145
ENSMUSG00000030551.15,Nr2f2,protein_coding	0.56774	0.045691

ENSMUSG00000071691.12,Top6bl,protein_coding	0.56741	0.20635
ENSMUSG00000120042.2,Gm57212,lncRNA	0.56695	0.365833
ENSMUSG00000112144.4,Gm47861,lncRNA	0.56693	0.695948
ENSMUSG00000108325.2,Gm44898,TEC	0.56689	0.160963
ENSMUSG00000100747.7,1700084E18Rik,lncRNA	0.5665	0.23214
ENSMUSG00000074782.5,4833422C13Rik,lncRNA	0.56649	0.135638
ENSMUSG00000044320.15,1700001O22Rik,protein_coding	0.56578	0.481338
ENSMUSG00000044916.11,Frey1,protein_coding	0.56544	0.279431
ENSMUSG00000033739.9,Fkbpl,protein_coding	0.56512	0.130931
ENSMUSG00000021376.12,Tpmt,protein_coding	0.56462	0.05359
ENSMUSG00000031224.7,Magee2,protein_coding	0.56417	0.193597
ENSMUSG00000036816.5,Atoh7,protein_coding	0.56348	0.28507
ENSMUSG00000143881.1,ENSMUSG00000143881,lncRNA	0.56318	0.595179
ENSMUSG00000109450.3,Gm39043,lncRNA	0.5627	0.686841
ENSMUSG00000125551.1,ENSMUSG00000125551,lncRNA	0.56209	0.436205
ENSMUSG00000020090.8,Npffr1,protein_coding	0.56196	0.445455
ENSMUSG00000081049.2,Rps24-ps3,processed_pseudogene	0.56179	0.353015
ENSMUSG00000066705.8,Fxyd6,protein_coding	0.56158	0.085344
ENSMUSG00000046834.8,Krt1,protein_coding	0.56151	0.284958
ENSMUSG00000102441.2,Gm38032,TEC	0.56135	0.321743
ENSMUSG00000106951.2,5930430L01Rik,lncRNA	0.56072	0.085044
ENSMUSG00000080950.2,Gm7278,processed_pseudogene	0.56026	0.404467
ENSMUSG00000121649.1,ENSMUSG00000121649,lncRNA	0.56018	0.55545
ENSMUSG00000031380.11,Vegfd,protein_coding	0.56	0.516382
ENSMUSG00000032193.10,Ldlr,protein_coding	0.55935	0.029134
ENSMUSG00000090291.4,Lrrc10b,protein_coding	0.55809	0.524839
ENSMUSG00000115220.2,Gm49768,lncRNA	0.55809	0.237156
ENSMUSG00000024331.12,Dsc2,protein_coding	0.55792	0.324241
ENSMUSG00000032572.10,Col6a4,protein_coding	0.5573	0.540685
ENSMUSG00000042567.21,Nek10,protein_coding	0.55727	0.249135
ENSMUSG00000115420.2,Rmrp,lncRNA	0.55724	0.215
ENSMUSG00000048440.17,Cyp4f16,protein_coding	0.55707	0.191228
ENSMUSG00000131217.1,ENSMUSG00000131217,lncRNA	0.55684	0.277334
ENSMUSG00000075410.15,Prcd,protein_coding	0.55668	0.483928
ENSMUSG00000022034.11,Esco2,protein_coding	0.55648	0.72589
ENSMUSG00000042828.13,Trim72,protein_coding	0.55629	0.455914
ENSMUSG00000105095.2,8430422M14Rik,TEC	0.55621	0.383027
ENSMUSG00000049112.10,Oxtr,protein_coding	0.55561	0.277994
ENSMUSG00000056648.7,Hoxb8,protein_coding	0.55534	0.819118
ENSMUSG00000071342.6,Lsmem1,protein_coding	0.5542	0.499664
ENSMUSG00000063439.8,B9d2,protein_coding	0.55389	0.146948
ENSMUSG00000085638.2,Gm15521,lncRNA	0.55385	0.19055
ENSMUSG00000050822.12,Slc29a4,protein_coding	0.5537	0.130439
ENSMUSG00000034161.9,Scx,protein_coding	0.55366	0.367175
ENSMUSG00000009075.3,Cabp7,protein_coding	0.5533	0.137314
ENSMUSG00000071713.7,Csf2rb,protein_coding	0.55297	0.57454
ENSMUSG00000120535.2,Gm56715,lncRNA	0.55219	0.486234
ENSMUSG00000026834.14,Acvr1c,protein_coding	0.55177	0.53651
ENSMUSG00000044337.6,Ackr3,protein_coding	0.5516	0.157753
ENSMUSG00000109203.3,Gm32849,lncRNA	0.55111	0.218996
ENSMUSG00000018554.14,Ybx2,protein_coding	0.55063	0.418563
ENSMUSG00000034796.15,Cpne7,protein_coding	0.55057	0.26036

ENSMUSG00000115813.3,Gm46447,lncRNA	0.54995	0.251873
ENSMUSG00000030413.8,Pglyrp1,protein_coding	0.54906	0.176159
ENSMUSG00000083811.2,Gm13071,processed_pseudogene	0.54891	0.416353
ENSMUSG00000129512.1,ENSMUSG00000129512,lncRNA	0.54875	0.295058
ENSMUSG00000051067.9,Lingo3,protein_coding	0.54843	0.076415
ENSMUSG00000018143.11,Mafk,protein_coding	0.54779	0.200306
ENSMUSG00000104316.2,Gm37909,TEC	0.54767	0.244852
ENSMUSG00000094910.2,D430019H16Rik,protein_coding	0.54751	0.102374
ENSMUSG00000042678.18,Myo15a,protein_coding	0.54701	0.534904
ENSMUSG00002075789.1,Gm55066,misc_RNA	0.54669	0.297372
ENSMUSG00000020847.16,Rph3al,protein_coding	0.54669	0.254062
ENSMUSG00000027901.13,Dennd2d,protein_coding	0.54608	0.638481
ENSMUSG00000024965.10,Fermt3,protein_coding	0.54596	0.573413
ENSMUSG00000131263.1,ENSMUSG00000131263,lncRNA	0.54572	0.543639
ENSMUSG00000053925.7,Gm9929,lncRNA	0.54566	0.459536
ENSMUSG00000078974.11,Sec61g,protein_coding	0.54542	0.03711
ENSMUSG00000079685.11,Ulbp1,protein_coding	0.5451	0.737425
ENSMUSG00000142194.1,ENSMUSG00000142194,lncRNA	0.54445	0.327921
ENSMUSG00000025002.6,Cyp2c55,protein_coding	0.54443	0.815828
ENSMUSG00000028587.19,Orc1,protein_coding	0.54378	0.696074
ENSMUSG00000021194.7,Chga,protein_coding	0.5437	0.138313
ENSMUSG00000118099.3,Gm31356,lncRNA	0.54349	0.30709
ENSMUSG00000021943.8,Gdf10,protein_coding	0.54326	0.325195
ENSMUSG00000094777.3,H2ac24,protein_coding	0.54259	0.695714
ENSMUSG00000029217.17,Tec,protein_coding	0.54143	0.685776
ENSMUSG00000019122.9,Ccl9,protein_coding	0.54123	0.70735
ENSMUSG00000019464.7,Ptger1,protein_coding	0.54097	0.293521
ENSMUSG00000065392.3,Gm25894,snoRNA	0.5405	0.568945
ENSMUSG00000071665.11,Foxr2,protein_coding	0.54023	0.327817
ENSMUSG00000059412.8,Fxyd2,protein_coding	0.53991	0.433381
ENSMUSG00000086728.5,Man2c1os,lncRNA	0.53948	0.147642
ENSMUSG00000121196.2,2810461L16Rik,lncRNA	0.53911	0.587174
ENSMUSG00000095690.3,Rab11b-ps2,processed_pseudogene	0.53898	0.484201
ENSMUSG00000093387.3,Gm20732,lncRNA	0.53896	0.382646
ENSMUSG00000057899.8,Adgrf2,protein_coding	0.53884	0.261326
ENSMUSG00000134522.1,ENSMUSG00000134522,lncRNA	0.5387	0.534699
ENSMUSG00000094685.3,Gm5900,transcribed_processed_pseudogene	0.53857	0.478515
ENSMUSG00000110959.2,Gm47198,TEC	0.53839	0.126881
ENSMUSG00000087658.4,Hotairm1,lncRNA	0.53805	0.744783
ENSMUSG00000065862.3,Gm24029,snoRNA	0.53642	0.573025
ENSMUSG00000108897.2,Gm44861,TEC	0.5363	0.147677
ENSMUSG00000106044.3,Gm42860,TEC	0.53597	0.597845
ENSMUSG00000035486.15,Plk5,protein_coding	0.53584	0.143031
ENSMUSG00000086896.3,Cyp4x1os,lncRNA	0.53569	0.274387
ENSMUSG00000137872.1,ENSMUSG00000137872,lncRNA	0.53519	0.368449
ENSMUSG00000103135.2,Gm37979,TEC	0.53515	0.324874
ENSMUSG00000093672.4,Gm20655,lncRNA	0.53507	0.270111
ENSMUSG00000110949.2,Nudt8,protein_coding	0.53496	0.373982
ENSMUSG00000021423.7,Ly86,protein_coding	0.53463	0.551677
ENSMUSG00000079022.11,Col22a1,protein_coding	0.53384	0.071418
ENSMUSG00000111626.2,Gm48738,processed_pseudogene	0.53376	0.300642
ENSMUSG00000057246.17,Tsbp1,protein_coding	0.53332	0.524632

ENSMUSG00000121224.2,C030014O09Rik,lncRNA	0.53322	0.303635
ENSMUSG00000121130.2,Gm57150,lncRNA	0.53249	0.348023
ENSMUSG00000020848.8,Doc2b,protein_coding	0.53244	0.040358
ENSMUSG00000040616.4,Tmem51,protein_coding	0.53208	0.169153
ENSMUSG00000103280.2,Gm37277,TEC	0.53172	0.167906
ENSMUSG00000043903.5,Zfp469,protein_coding	0.53095	0.106123
ENSMUSG00000063564.14,Col23a1,protein_coding	0.53066	0.075315
ENSMUSG00000132523.1,ENSMUSG00000132523,lncRNA	0.53036	0.103277
ENSMUSG00000104153.2,Gm38105,TEC	0.5303	0.312961
ENSMUSG00000004552.17,Ctse,protein_coding	0.53026	0.707173
ENSMUSG00000066357.7,Wdr6,protein_coding	0.5302	0.155751
ENSMUSG00000096883.3,Shisa8,protein_coding	0.53013	0.428216
ENSMUSG00000143750.1,ENSMUSG00000143750,lncRNA	0.52999	0.228632
ENSMUSG00000064453.3,Snord21,snoRNA	0.52972	0.332424
ENSMUSG00000084846.2,A730011C13Rik,lncRNA	0.52964	0.393898
ENSMUSG00000033774.5,Npbwr1,protein_coding	0.52913	0.565097
ENSMUSG00000003665.8,Has1,protein_coding	0.52847	0.388728
ENSMUSG00000089726.4,Mir17hg,lncRNA	0.52819	0.739678
ENSMUSG00000074500.12,Zfp558,protein_coding	0.52789	0.144058
ENSMUSG00000028307.10,Aldob,protein_coding	0.52752	0.517572
ENSMUSG00000062933.8,Gm10123,processed_pseudogene	0.52739	0.291619
ENSMUSG00000118866.1,Rn7s1,misc_RNA	0.52737	0.039566
ENSMUSG00000057836.13,Xlr3a,protein_coding	0.52662	0.717389
ENSMUSG00000086311.2,Lncucc1,lncRNA	0.52592	0.427096
ENSMUSG00000075588.7,Hoxb2,protein_coding	0.5254	0.805929
ENSMUSG00000025243.18,Slc6a20b,protein_coding	0.52539	0.22477
ENSMUSG00000108926.2,Gm10988,processed_pseudogene	0.52517	0.439543
ENSMUSG00000121114.2,Gm41291,lncRNA	0.52489	0.196503
ENSMUSG00000038765.15,Lmx1b,protein_coding	0.52453	0.723208
ENSMUSG00000119388.1,Snord16a,snoRNA	0.52411	0.300369
ENSMUSG00000075270.12,Pde11a,protein_coding	0.52393	0.100004
ENSMUSG00000119657.1,Gm25829,snRNA	0.5239	0.409066
ENSMUSG00000034330.11,Plcg2,protein_coding	0.52388	0.696165
ENSMUSG00000006395.18,Hyi,protein_coding	0.52384	0.349333
ENSMUSG00000108196.3,Gm36328,lncRNA	0.52374	0.427994
ENSMUSG00000107234.2,Gm43371,TEC	0.52348	0.353136
ENSMUSG00000052368.4,Gm9873,lncRNA	0.52294	0.157354
ENSMUSG00000002289.17,Angptl4,protein_coding	0.52255	0.226789
ENSMUSG00000077254.3,Gm26079,snoRNA	0.52254	0.056029
ENSMUSG00000097888.4,Gm26682,lncRNA	0.52236	0.391092
ENSMUSG00000067818.7,Myl9,protein_coding	0.52201	0.09347
ENSMUSG00000125801.1,ENSMUSG00000125801,lncRNA	0.52118	0.63061
ENSMUSG00000050270.13,Tmem220,protein_coding	0.52105	0.415603
ENSMUSG00000090963.3,Gm17655,protein_coding	0.52052	0.48262
ENSMUSG00000029162.16,Khk,protein_coding	0.52041	0.174881
ENSMUSG00000057895.12,Zfp105,protein_coding	0.52038	0.133153
ENSMUSG00000024076.11,Vit,protein_coding	0.52027	0.274396
ENSMUSG00000028678.14,Kif2c,protein_coding	0.51949	0.70222
ENSMUSG00000019027.9,Dnah1,protein_coding	0.51899	0.257253
ENSMUSG00000035031.16,C8a,protein_coding	0.5184	0.814188
ENSMUSG00000009551.4,6330409D20Rik,lncRNA	0.51832	0.284264
ENSMUSG00000050107.3,Haspin,protein_coding	0.51823	0.745804

ENSMUSG00000137975.1,ENSMUSG00000137975,lncRNA	0.51817	0.612184
ENSMUSG00000078179.2,Rnf148,protein_coding	0.5178	0.513098
ENSMUSG00000024164.16,C3,protein_coding	0.51767	0.709316
ENSMUSG00000093460.12,Six3os1,lncRNA	0.51739	0.364415
ENSMUSG00000087775.3,Rprl2,ribozyme	0.51738	0.348021
ENSMUSG00000103200.2,Gm37328,lncRNA	0.51659	0.437506
ENSMUSG00000104494.2,Gm37111,TEC	0.51649	0.325763
ENSMUSG00000073077.8,Cfap47,protein_coding	0.51632	0.161022
ENSMUSG00000100813.3,Gm28874,lncRNA	0.51499	0.656494
ENSMUSG00000141378.1,ENSMUSG00000141378,lncRNA	0.5148	0.085529
ENSMUSG00000039059.12,Hrh3,protein_coding	0.51473	0.19759
ENSMUSG00000022468.13,Endou,protein_coding	0.51466	0.657834
ENSMUSG00000108421.2,Gm44718,lncRNA	0.51459	0.562304
ENSMUSG00000039427.15,Alg1,protein_coding	0.5141	0.14501
ENSMUSG00000121263.1,Gm57470,lncRNA	0.51363	0.203713
ENSMUSG00000089997.3,Cfap92,protein_coding	0.51351	0.366206
ENSMUSG00000097580.3,Gm5432,lncRNA	0.51322	0.370683
ENSMUSG00000041939.15,Mvk,protein_coding	0.51251	0.139017
ENSMUSG00000043091.10,Tuba1c,protein_coding	0.51223	0.611879
ENSMUSG00000032392.12,Parp16,protein_coding	0.51214	0.174692
ENSMUSG00000027890.18,Gstm4,protein_coding	0.51193	0.224546
ENSMUSG00000056306.7,Sertm1,protein_coding	0.51168	0.094276
ENSMUSG00000033007.16,Asic4,protein_coding	0.51019	0.374119
ENSMUSG00000126760.1,ENSMUSG00000126760,lncRNA	0.51012	0.587939
ENSMUSG00000075593.11,Gal3st4,protein_coding	0.5097	0.338006
ENSMUSG00000121895.2,ENSMUSG00000121895,lncRNA	0.50914	0.379955
ENSMUSG00000040899.15,Ccr6,protein_coding	0.50913	0.71977
ENSMUSG00000075502.3,Kbtbd6,protein_coding	0.50878	0.530789
ENSMUSG00000128312.1,ENSMUSG00000128312,lncRNA	0.50868	0.295147
ENSMUSG00000021675.5,F2rl2,protein_coding	0.50833	0.344955
ENSMUSG00000027015.5,Cybrd1,protein_coding	0.50801	0.194446
ENSMUSG00000110266.2,Gm32742,protein_coding	0.5071	0.813767
ENSMUSG00000059991.8,Nptx2,protein_coding	0.50684	0.429485
ENSMUSG00000125280.1,ENSMUSG00000125280,lncRNA	0.50671	0.394298
ENSMUSG00000064358.1,mt-Co3,protein_coding	0.50662	0.398526
ENSMUSG00000142054.1,ENSMUSG00000142054,lncRNA	0.50648	0.572788
ENSMUSG00000029923.5,Rab19,protein_coding	0.50636	0.712061
ENSMUSG00000068240.6,Uba52rt,protein_coding	0.50636	0.268634
ENSMUSG00000130626.1,ENSMUSG00000130626,lncRNA	0.50609	0.6738
ENSMUSG00000026856.15,Dolpp1,protein_coding	0.50598	0.040079
ENSMUSG00000111342.3,4933404K13Rik,lncRNA	0.50591	0.830815
ENSMUSG00000085218.10,BB218582,lncRNA	0.50586	0.305587
ENSMUSG00000068299.12,Nat8f4,protein_coding	0.50557	0.219395
ENSMUSG00000112980.3,D430020J02Rik,lncRNA	0.50553	0.359827
ENSMUSG00000041423.17,Paqr6,protein_coding	0.50551	0.102882
ENSMUSG00000025064.16,Col17a1,protein_coding	0.50537	0.331749
ENSMUSG00000032179.8,Bmp5,protein_coding	0.50517	0.335045
ENSMUSG00000057751.15,Megf6,protein_coding	0.5051	0.270516
ENSMUSG00000122788.1,ENSMUSG00000122788,lncRNA	0.50427	0.711564
ENSMUSG00000029338.14,Antxr2,protein_coding	0.50408	0.289662
ENSMUSG00000070371.12,Prss36,protein_coding	0.5038	0.178157
ENSMUSG00000038387.10,Rras,protein_coding	0.50377	0.182332

ENSMUSG00002076304.1,Gm55882,misc_RNA	0.5033	0.402829
ENSMUSG00000123611.1,ENSMUSG00000123611,lncRNA	0.50312	0.690898
ENSMUSG00000015013.10,Trappc2l,protein_coding	0.50309	0.1359
ENSMUSG00000026480.13,Ncf2,protein_coding	0.50277	0.607315
ENSMUSG00000021815.5,Mss51,protein_coding	0.50247	0.439351
ENSMUSG00000071035.6,Gm5499,processed_pseudogene	0.50209	0.477237
ENSMUSG00000044770.15,Scml4,protein_coding	0.50201	0.224698
ENSMUSG00000107951.2,Gm6210,processed_pseudogene	0.50092	0.499604
ENSMUSG00000032044.5,Rpusd4,protein_coding	0.50054	0.092178
ENSMUSG00000032783.10,Troap,protein_coding	0.50052	0.663406
ENSMUSG00000086015.4,4833417C18Rik,lncRNA	0.5005	0.326126
ENSMUSG00000104720.2,Gm43138,lncRNA	0.50045	0.175576
ENSMUSG00000110896.2,Gm48273,TEC	0.50013	0.480911
ENSMUSG00000085227.4,6330418K02Rik,lncRNA	0.50004	0.107496
ENSMUSG00000005043.14,Sgsh,protein_coding	0.49995	0.06394
ENSMUSG00000025193.15,Cutc,protein_coding	0.49991	0.316503
ENSMUSG00000030406.8,Gipr,protein_coding	0.49968	0.488747
ENSMUSG00000113459.2,Gm30655,lncRNA	0.49951	0.410705
ENSMUSG00000074452.14,Pate2,protein_coding	0.49947	0.17873
ENSMUSG00000031609.4,Sap30,protein_coding	0.49932	0.188117
ENSMUSG00000029722.16,Agfg2,protein_coding	0.49926	0.012816
ENSMUSG00000050854.10,Tmem125,protein_coding	0.49902	0.163978
ENSMUSG00000067341.7,H2-Eb2,protein_coding	0.49902	0.793082
ENSMUSG00000028464.17,Tpm2,protein_coding	0.49899	0.124762
ENSMUSG00000112906.2,Gm18189,processed_pseudogene	0.49898	0.528102
ENSMUSG00000113993.2,Gm47659,processed_pseudogene	0.49883	0.42903
ENSMUSG00000121067.1,Gm56901,lncRNA	0.49876	0.18389
ENSMUSG00000032446.15,Eomes,protein_coding	0.49874	0.485277
ENSMUSG00000090019.6,Gimap1,protein_coding	0.49856	0.67747
ENSMUSG00000085900.3,A930041C12Rik,lncRNA	0.49838	0.754383
ENSMUSG00000084828.3,Gm12367,lncRNA	0.49787	0.551491
ENSMUSG00000103473.2,Gm37696,lncRNA	0.49775	0.2444
ENSMUSG00000114220.3,Gm10353,lncRNA	0.49751	0.307729
ENSMUSG00000039748.12,Exo1,protein_coding	0.49745	0.708905
ENSMUSG00000104156.4,Gm38102,lncRNA	0.49702	0.16254
ENSMUSG00000064326.14,Siva1,protein_coding	0.49647	0.133369
ENSMUSG00000087178.10,A230056P14Rik,lncRNA	0.49611	0.120907
ENSMUSG00000122887.1,ENSMUSG00000122887,lncRNA	0.4955	0.531952
ENSMUSG00000020890.12,Gucy2e,protein_coding	0.49538	0.097829
ENSMUSG00000067780.4,Pi15,protein_coding	0.49538	0.379715
ENSMUSG00000134527.1,ENSMUSG00000134527,lncRNA	0.49469	0.555352
ENSMUSG00000028848.14,Gpn2,protein_coding	0.49437	0.291704
ENSMUSG00000129828.1,ENSMUSG00000129828,lncRNA	0.49419	0.165244
ENSMUSG00000035202.9,Lars2,protein_coding	0.4938	0.31843
ENSMUSG00000039976.5,Tbc1d16,protein_coding	0.49342	0.039027
ENSMUSG00000046607.7,Hrk,protein_coding	0.49333	0.139577
ENSMUSG00000022756.18,Slc7a4,protein_coding	0.49318	0.172713
ENSMUSG00000123031.1,ENSMUSG00000123031,lncRNA	0.49279	0.5155
ENSMUSG00000073640.4,Rpl27-ps3,processed_pseudogene	0.49245	0.731824
ENSMUSG00000018451.8,6330403K07Rik,protein_coding	0.49183	0.230592
ENSMUSG00000050195.9,Scd4,protein_coding	0.49165	0.439242
ENSMUSG00000039055.5,Eme1,protein_coding	0.49163	0.789219

ENSMUSG00000107878.2,Gm44106,TEC	0.49151	0.463553
ENSMUSG00000106887.2,A930005G22Rik,TEC	0.49148	0.284181
ENSMUSG00000051136.2,Ghsr,protein_coding	0.49131	0.634916
ENSMUSG00000027811.10,4930579G24Rik,protein_coding	0.4912	0.441762
ENSMUSG00000034957.11,Cebpa,protein_coding	0.49112	0.213836
ENSMUSG00000040732.21,Erg,protein_coding	0.49057	0.126879
ENSMUSG00000118347.4,C330008A17Rik,lncRNA	0.48987	0.357486
ENSMUSG00002076809.1,Gm54754,misc_RNA	0.48934	0.090794
ENSMUSG00000029322.13,Plac8,protein_coding	0.48921	0.58064
ENSMUSG00000041559.8,Fmod,protein_coding	0.48906	0.163613
ENSMUSG00000040795.13,Iqcc,protein_coding	0.48899	0.036674
ENSMUSG00000050035.8,Fhl4,protein_coding	0.48895	0.47928
ENSMUSG00000023908.9,Pkmyt1,protein_coding	0.48881	0.639654
ENSMUSG00000118242.2,Gm50141,processed_pseudogene	0.48879	0.3138
ENSMUSG00000032021.15,Crtam,protein_coding	0.48874	0.58684
ENSMUSG00000127551.1,ENSMUSG00000127551,lncRNA	0.48871	0.373031
ENSMUSG00000129794.1,ENSMUSG00000129794,lncRNA	0.48871	0.849449
ENSMUSG00000078607.7,1810010H24Rik,protein_coding	0.48866	0.248224
ENSMUSG00000039759.11,Thap3,protein_coding	0.48849	0.207323
ENSMUSG00000120615.2,Gm56802,lncRNA	0.48832	0.203239
ENSMUSG00000047181.13,Samd14,protein_coding	0.48831	0.11421
ENSMUSG00000097093.5,C330013E15Rik,lncRNA	0.48823	0.315778
ENSMUSG00000043659.12,Npsr1,protein_coding	0.48814	0.369502
ENSMUSG00000087642.4,Ighe,IG_C_gene	0.48799	0.831369
ENSMUSG00000000884.18,Gnb1l,protein_coding	0.48734	0.139696
ENSMUSG00000102323.2,Gm37790,TEC	0.48699	0.234248
ENSMUSG00000036923.13,Stox1,protein_coding	0.48664	0.257002
ENSMUSG00000024312.11,Wdr46,protein_coding	0.48661	0.217733
ENSMUSG00000104508.2,Gm37735,TEC	0.48622	0.579323
ENSMUSG00000056738.14,A730036I17Rik,lncRNA	0.48611	0.569522
ENSMUSG00000064724.3,Gm25852,snoRNA	0.48603	0.564689
ENSMUSG00000056612.8,Ppp1r14b,protein_coding	0.48442	0.296859
ENSMUSG00000055069.4,Rab39,protein_coding	0.48386	0.498478
ENSMUSG00000134772.1,ENSMUSG00000134772,lncRNA	0.48385	0.473713
ENSMUSG00000083305.3,Gm13315,processed_pseudogene	0.48359	0.609522
ENSMUSG00000085244.9,Spag17os,lncRNA	0.48333	0.676644
ENSMUSG00000085399.10,Foxd2os,lncRNA	0.48289	0.716183
ENSMUSG00000025665.18,Rps6ka6,protein_coding	0.48274	0.181956
ENSMUSG00000097842.4,9330104G04Rik,lncRNA	0.4824	0.065842
ENSMUSG00000038415.11,Foxq1,protein_coding	0.48226	0.25578
ENSMUSG00000099998.2,Gm6501,processed_pseudogene	0.48202	0.658975
ENSMUSG00000120148.2,2810036E18Rik,lncRNA	0.48139	0.440078
ENSMUSG00000030255.14,Sspn,protein_coding	0.48124	0.085345
ENSMUSG00000115018.3,Ndor1,protein_coding	0.48121	0.866514
ENSMUSG00000018654.19,Ikzf1,protein_coding	0.48088	0.716281
ENSMUSG00000096010.3,H4c16,protein_coding	0.48084	0.197117
ENSMUSG00000052760.17,A630001G21Rik,protein_coding	0.48038	0.743701
ENSMUSG00000047485.7,Klhl34,protein_coding	0.48035	0.468818
ENSMUSG00000054065.13,Pkp3,protein_coding	0.48032	0.505086
ENSMUSG00000025991.9,Cps1,protein_coding	0.4803	0.808411
ENSMUSG00000059336.15,Slc14a1,protein_coding	0.47979	0.075833
ENSMUSG00000121171.2,Gm54112,lncRNA	0.47971	0.871536

ENSMUSG00000031323.9,Dmrtc1a,protein_coding	0.47947	0.483639
ENSMUSG00000064994.3,Gm22422,snoRNA	0.47876	0.174765
ENSMUSG00000141229.1,ENSMUSG00000141229,lncRNA	0.47832	0.226116
ENSMUSG00000112832.3,4930484H19Rik,lncRNA	0.47804	0.598046
ENSMUSG00000054434.15,Tmem120b,protein_coding	0.47742	0.091244
ENSMUSG00000032204.14,Aqp9,protein_coding	0.4772	0.334089
ENSMUSG00000039521.14,Foxp3,protein_coding	0.47687	0.73787
ENSMUSG00000110738.2,Gm47092,TEC	0.47668	0.306614
ENSMUSG00000079654.4,Prrt4,protein_coding	0.47649	0.465452
ENSMUSG00000024486.7,Hbegf,protein_coding	0.47592	0.068862
ENSMUSG00000074284.9,Gm10658,lncRNA	0.47581	0.414636
ENSMUSG00000121241.2,Gm57475,lncRNA	0.47556	0.253861
ENSMUSG00000102994.2,Gm37767,TEC	0.47521	0.185818
ENSMUSG00000045730.5,Adrb2,protein_coding	0.47488	0.279255
ENSMUSG00000113601.2,Gm48735,TEC	0.47442	0.340838
ENSMUSG00000037103.9,Dcaf15,protein_coding	0.47426	0.145793
ENSMUSG00000015605.7,Srf,protein_coding	0.47406	0.069813
ENSMUSG00000022053.14,Ebf2,protein_coding	0.47399	0.472158
ENSMUSG00000014846.13,Tppp3,protein_coding	0.47397	0.290162
ENSMUSG00000031167.17,Rbm3,protein_coding	0.47383	0.244511
ENSMUSG00000034311.4,Kif4,protein_coding	0.47368	0.679176
ENSMUSG00000087042.2,Gm11611,lncRNA	0.4736	0.168054
ENSMUSG00000056737.15,Capg,protein_coding	0.47326	0.689299
ENSMUSG00000054453.12,Sytl5,protein_coding	0.47319	0.360552
ENSMUSG00000118346.2,Tmem179b,protein_coding	0.47257	0.305485
ENSMUSG00000017466.11,Timp2,protein_coding	0.47251	0.15816
ENSMUSG00000030677.9,Kif22,protein_coding	0.47236	0.657435
ENSMUSG00000117254.4,Gm34567,lncRNA	0.47187	0.276303
ENSMUSG00000032818.17,Loxhd1,protein_coding	0.47177	0.602219
ENSMUSG00000105636.2,Gm43625,lncRNA	0.47122	0.487337
ENSMUSG00000021361.8,Tmem14c,protein_coding	0.47095	0.117111
ENSMUSG00000142256.1,ENSMUSG00000142256,lncRNA	0.47047	0.353822
ENSMUSG00000039824.5,Myl6b,protein_coding	0.47043	0.319201
ENSMUSG00000109199.2,Gm44996,TEC	0.47028	0.401368
ENSMUSG00000026675.13,Hsd17b7,protein_coding	0.4701	0.055504
ENSMUSG00000021556.13,Golm1,protein_coding	0.46966	0.178015
ENSMUSG00000087221.5,Oxct1as,lncRNA	0.46964	0.317468
ENSMUSG00000119162.1,Gm25989,snoRNA	0.46937	0.315477
ENSMUSG00000103834.2,Gm37613,TEC	0.46934	0.279703
ENSMUSG00000124734.1,ENSMUSG00000124734,lncRNA	0.4682	0.407186
ENSMUSG00000078905.9,Gm14393,protein_coding	0.46784	0.401203
ENSMUSG00000022210.8,Dhrs4,protein_coding	0.46757	0.095789
ENSMUSG00000136634.1,ENSMUSG00000136634,lncRNA	0.46753	0.584421
ENSMUSG00000070420.5,Zscan25,protein_coding	0.46745	0.164308
ENSMUSG00000021835.16,Bmp4,protein_coding	0.46744	0.24893
ENSMUSG00000117313.2,Gm49838,lncRNA	0.46738	0.490484
ENSMUSG00000036492.13,Rnf39,protein_coding	0.46713	0.350328
ENSMUSG00000021758.15,Ddx4,protein_coding	0.46606	0.447182
ENSMUSG00000019838.12,Slc16a10,protein_coding	0.46573	0.109367
ENSMUSG00000045667.15,Smtnl2,protein_coding	0.46573	0.525065
ENSMUSG00000030641.11,Ddias,protein_coding	0.46549	0.730278
ENSMUSG00000043298.9,Smco3,protein_coding	0.46494	0.246737

ENSMUSG00000027997.10,Casp6,protein_coding	0.46493	0.306134
ENSMUSG00000104850.3,Gm42901,lncRNA	0.46491	0.332063
ENSMUSG00000101135.2,Gm17981,processed_pseudogene	0.46467	0.371439
ENSMUSG00000053647.5,Gper1,protein_coding	0.46438	0.417378
ENSMUSG00000022504.11,Ciita,protein_coding	0.46395	0.778739
ENSMUSG00000050069.4,Grem2,protein_coding	0.46394	0.137421
ENSMUSG00000044176.13,Spink10,protein_coding	0.46394	0.459756
ENSMUSG00000118933.1,Gm25314,snoRNA	0.46309	0.523241
ENSMUSG00000126570.1,ENSMUSG00000126570,lncRNA	0.46289	0.562236
ENSMUSG00000140783.1,ENSMUSG00000140783,lncRNA	0.46266	0.344709
ENSMUSG00000142993.1,ENSMUSG00000142993,lncRNA	0.46226	0.349825
ENSMUSG00000038059.8,Smim3,protein_coding	0.4618	0.155823
ENSMUSG00000121430.2,ENSMUSG00000121430,lncRNA	0.4617	0.818032
ENSMUSG00000119776.1,Gm23849,snRNA	0.46167	0.394317
ENSMUSG00000118718.1,Gm24950,snRNA	0.46167	0.394317
ENSMUSG00000118837.1,Rnu2-10,snRNA	0.46167	0.394317
ENSMUSG00000121484.2,Serpina3h,lncRNA	0.46167	0.576553
ENSMUSG00000102139.2,Gm37109,TEC	0.46162	0.286491
ENSMUSG00000023259.18,Slc26a6,protein_coding	0.46157	0.054175
ENSMUSG00000031274.17,Col4a5,protein_coding	0.46145	0.053248
ENSMUSG00000036196.17,Slc26a8,protein_coding	0.4613	0.267202
ENSMUSG00000101905.3,4930439D14Rik,lncRNA	0.46126	0.366865
ENSMUSG00000065219.3,Snord32a,snoRNA	0.46116	0.377153
ENSMUSG00000054836.13,Elp6,protein_coding	0.46083	0.128559
ENSMUSG00000045248.7,Med26,protein_coding	0.46071	0.081175
ENSMUSG00000085143.4,Gm11520,lncRNA	0.46009	0.519444
ENSMUSG00000038227.16,Hoxa9,protein_coding	0.46004	0.809372
ENSMUSG00000109337.2,Gm45047,TEC	0.45912	0.475311
ENSMUSG00000030747.6,Dgat2,protein_coding	0.45905	0.250707
ENSMUSG00000034361.11,Cpne2,protein_coding	0.45873	0.041892
ENSMUSG00000103309.2,BC037039,lncRNA	0.45867	0.35672
ENSMUSG00000043340.5,6530409C15Rik,lncRNA	0.4586	0.434634
ENSMUSG00000031111.17,Igsf1,protein_coding	0.45806	0.443363
ENSMUSG00000044548.12,Dact1,protein_coding	0.4578	0.177989
ENSMUSG00000065728.3,Gm26175,snoRNA	0.45777	0.574925
ENSMUSG00000134044.1,ENSMUSG00000134044,lncRNA	0.45762	0.180625
ENSMUSG00000002020.16,Ltbp2,protein_coding	0.45739	0.494016
ENSMUSG00000068699.13,Flnc,protein_coding	0.45723	0.335542
ENSMUSG00000002204.10,Napsa,protein_coding	0.45713	0.784858
ENSMUSG00000083116.2,Gm13410,processed_pseudogene	0.45692	0.504571
ENSMUSG00000120594.2,Gm9975,lncRNA	0.45678	0.335376
ENSMUSG00002075146.1,Snora36b,snoRNA	0.45607	0.588391
ENSMUSG00000035498.11,Cdcp1,protein_coding	0.4555	0.782473
ENSMUSG00000047617.12,Paxx,protein_coding	0.45542	0.139621
ENSMUSG00000109291.4,Gm2814,lncRNA	0.45536	0.50808
ENSMUSG00000057835.8,Zfp119a,protein_coding	0.4552	0.293355
ENSMUSG00000052926.17,Rnaseh2a,protein_coding	0.45519	0.072203
ENSMUSG00000106710.2,Gm43166,lncRNA	0.45493	0.273087
ENSMUSG00000027855.14,Sycp1,protein_coding	0.45481	0.620753
ENSMUSG00000022610.11,Mapk12,protein_coding	0.45472	0.299806
ENSMUSG00000043719.15,Col6a6,protein_coding	0.4546	0.236075
ENSMUSG00000121010.1,Gm56858,lncRNA	0.45436	0.499738

ENSMUSG00000112478.2,Gm47761,lncRNA	0.45427	0.771733
ENSMUSG00000120308.2,Gm56915,lncRNA	0.45385	0.262022
ENSMUSG00000034786.18,Gpsm3,protein_coding	0.45339	0.657525
ENSMUSG00000026535.10,Ifi202b,protein_coding	0.45333	0.654529
ENSMUSG00000038550.11,Ciart,protein_coding	0.45332	0.3172
ENSMUSG00000063171.7,Rps4l,protein_coding	0.45285	0.331964
ENSMUSG00000121913.2,ENSMUSG00000121913,lncRNA	0.45267	0.218582
ENSMUSG00000009614.17,Sardh,protein_coding	0.4517	0.083833
ENSMUSG00000024402.6,Lta,protein_coding	0.45119	0.653309
ENSMUSG00000080538.3,Gm25541,snRNA	0.45101	0.336293
ENSMUSG00000134568.1,ENSMUSG00000134568,lncRNA	0.45083	0.627466
ENSMUSG00000051617.4,Krt9,protein_coding	0.45074	0.530693
ENSMUSG00000091534.3,Gm17195,processed_pseudogene	0.45069	0.502965
ENSMUSG00000060591.10,Ifitm2,protein_coding	0.45061	0.236435
ENSMUSG00000081829.2,Gm15460,processed_pseudogene	0.45059	0.646988
ENSMUSG00000087056.3,Gm14004,lncRNA	0.45054	0.437022
ENSMUSG00000120026.2,Gm57421,lncRNA	0.45047	0.440211
ENSMUSG00000094392.2,Gm3788,processed_pseudogene	0.45044	0.28803
ENSMUSG00000026669.15,Mcm10,protein_coding	0.45034	0.740411
ENSMUSG00000032431.7,Crtap,protein_coding	0.4502	0.30542
ENSMUSG00000024440.14,Pcdh12,protein_coding	0.45019	0.489284
ENSMUSG00000113722.4,Snhg10,lncRNA	0.4501	0.261847
ENSMUSG00000048327.7,Ckap2l,protein_coding	0.44923	0.712774
ENSMUSG00000114118.2,Gm48829,lncRNA	0.44896	0.521406
ENSMUSG00000064307.14,Lrrc51,protein_coding	0.44893	0.47373
ENSMUSG00000098097.10,6530403H02Rik,lncRNA	0.44869	0.354264
ENSMUSG00000052301.15,Doc2a,protein_coding	0.44852	0.319197
ENSMUSG00000056666.14,Retsat,protein_coding	0.44828	0.175936
ENSMUSG00000022705.6,Drd3,protein_coding	0.44764	0.818409
ENSMUSG00000031838.11,Ifi30,protein_coding	0.4475	0.754845
ENSMUSG00000021453.3,Gadd45g,protein_coding	0.44736	0.217766
ENSMUSG00000055150.16,Zfp78,protein_coding	0.44665	0.100461
ENSMUSG00000001039.13,B9d1,protein_coding	0.44647	0.153889
ENSMUSG00000024292.16,Cyp4f14,protein_coding	0.44637	0.156013
ENSMUSG00000143934.1,ENSMUSG00000143934,lncRNA	0.44636	0.340485
ENSMUSG00000027222.15,Pex16,protein_coding	0.44624	0.138098
ENSMUSG00000002012.14,Pnck,protein_coding	0.44605	0.20309
ENSMUSG00000078695.9,Cisd3,protein_coding	0.44599	0.164953
ENSMUSG00000034041.6,Lyl1,protein_coding	0.44567	0.729255
ENSMUSG00000034664.14,Itga2b,protein_coding	0.44558	0.611414
ENSMUSG00000074899.7,Sptbn5,protein_coding	0.44534	0.320426
ENSMUSG00000024397.15,Aif1,protein_coding	0.44506	0.381029
ENSMUSG00000102063.3,Gm28706,lncRNA	0.44504	0.470181
ENSMUSG00000059898.10,Dsc3,protein_coding	0.44414	0.675037
ENSMUSG00000118677.1,Rnu1b6,snRNA	0.44401	0.667607
ENSMUSG00000085564.2,Gm12198,lncRNA	0.44396	0.573637
ENSMUSG00000102571.2,Gm37967,TEC	0.44384	0.386564
ENSMUSG00000116145.2,5730521K06Rik,TEC	0.44376	0.175756
ENSMUSG00000020427.12,Igfbp3,protein_coding	0.44375	0.2006
ENSMUSG00000001948.11,Spa17,protein_coding	0.44363	0.417017
ENSMUSG00000046761.14,Fam83h,protein_coding	0.44249	0.28076
ENSMUSG00000068735.15,Trp53i11,protein_coding	0.44235	0.072186

ENSMUSG00000131895.1,ENSMUSG00000131895,lncRNA	0.44232	0.548951
ENSMUSG00000020895.15,Tmem107,protein_coding	0.44172	0.391834
ENSMUSG00000085816.3,Gm13052,lncRNA	0.44165	0.342873
ENSMUSG00000040666.21,Sh3bgr,protein_coding	0.44159	0.456741
ENSMUSG00000030711.17,Sult1a1,protein_coding	0.44122	0.398716
ENSMUSG00000001348.16,Acp5,protein_coding	0.44109	0.731109
ENSMUSG00000045193.14,Cirbp,protein_coding	0.44105	0.023661
ENSMUSG00000008384.9,Sertad1,protein_coding	0.44097	0.250951
ENSMUSG00000020781.15,Tsen54,protein_coding	0.44096	0.310218
ENSMUSG00000023571.5,C1qtnf12,protein_coding	0.44092	0.454033
ENSMUSG00000091498.5,Mpc1-ps,processed_pseudogene	0.44092	0.382788
ENSMUSG00000028655.12,Mfsd2a,protein_coding	0.44083	0.312015
ENSMUSG00000007035.16,Msh5,protein_coding	0.4408	0.705083
ENSMUSG00000034771.16,Tle2,protein_coding	0.44059	0.222059
ENSMUSG00000138691.1,ENSMUSG00000138691,lncRNA	0.44041	0.63478
ENSMUSG00000045838.10,Ccdc9b,protein_coding	0.44036	0.143908
ENSMUSG00000132981.1,ENSMUSG00000132981,lncRNA	0.44017	0.383721
ENSMUSG00000131014.1,ENSMUSG00000131014,lncRNA	0.43997	0.656676
ENSMUSG00000030222.14,Rerg,protein_coding	0.43948	0.301145
ENSMUSG00000029307.8,Dmp1,protein_coding	0.43937	0.367051
ENSMUSG00000048965.10,Mrgpre,protein_coding	0.43927	0.247945
ENSMUSG00000108033.2,Gm44284,lncRNA	0.43903	0.502203
ENSMUSG00000130298.1,ENSMUSG00000130298,lncRNA	0.43902	0.304466
ENSMUSG00000086745.3,Tspan2os,lncRNA	0.43842	0.386265
ENSMUSG00000131621.1,ENSMUSG00000131621,lncRNA	0.43842	0.200967
ENSMUSG00000029254.17,Stap1,protein_coding	0.43795	0.779473
ENSMUSG00000097083.3,D930019O06Rik,lncRNA	0.43777	0.202219
ENSMUSG00000031170.15,Slc38a5,protein_coding	0.43725	0.499083
ENSMUSG00000020844.7,Nxn,protein_coding	0.4371	0.279081
ENSMUSG00000018593.14,Sparc,protein_coding	0.43673	0.220404
ENSMUSG00000116238.2,Gm49413,TEC	0.43633	0.203869
ENSMUSG00000026841.8,Fibcd1,protein_coding	0.4362	0.346715
ENSMUSG00000020155.3,Kcnmb1,protein_coding	0.43597	0.404078
ENSMUSG00000028681.12,Ptch2,protein_coding	0.43586	0.400403
ENSMUSG00000021070.7,Bdkrb2,protein_coding	0.4355	0.471053
ENSMUSG00000033022.9,Cdo1,protein_coding	0.43548	0.072928
ENSMUSG00000044811.15,Cd300c2,protein_coding	0.43491	0.498447
ENSMUSG00000021903.12,Galnt15,protein_coding	0.43489	0.480309
ENSMUSG00000087336.4,Gm15860,lncRNA	0.43474	0.227181
ENSMUSG00000045573.10,Penk,protein_coding	0.43457	0.427668
ENSMUSG00000002266.18,Zim1,protein_coding	0.4343	0.291084
ENSMUSG00000043441.6,Gpr149,protein_coding	0.43346	0.416763
ENSMUSG00000037594.12,Clba1,protein_coding	0.43333	0.125046
ENSMUSG00000024679.11,Ms4a6d,protein_coding	0.43328	0.661259
ENSMUSG00000096977.4,Gm10827,lncRNA	0.43295	0.359217
ENSMUSG00000028641.17,P3h1,protein_coding	0.43289	0.17289
ENSMUSG00000102749.2,Gm37598,TEC	0.43281	0.423945
ENSMUSG00000074170.6,Plekhf1,protein_coding	0.43263	0.471646
ENSMUSG00000030555.17,Ttc23,protein_coding	0.43261	0.221898
ENSMUSG00000063415.13,Cyp26b1,protein_coding	0.43203	0.267951
ENSMUSG00000061718.13,Ppp1r1b,protein_coding	0.43187	0.482581
ENSMUSG00000046179.18,E2f8,protein_coding	0.43065	0.746222

ENSMUSG00000109946.2,Brd3os,protein_coding	0.43063	0.173191
ENSMUSG00000045725.6,Prr15,protein_coding	0.43049	0.367121
ENSMUSG00000033717.7,Adra2a,protein_coding	0.4304	0.233638
ENSMUSG00000138093.1,ENSMUSG00000138093,lncRNA	0.42989	0.749488
ENSMUSG00000025369.16,Smarcc2,protein_coding	0.42983	0.021609
ENSMUSG00000113035.4,5830428M24Rik,lncRNA	0.42981	0.770853
ENSMUSG00000025271.14,Pfkfb1,protein_coding	0.42961	0.57058
ENSMUSG00000038583.14,Pln,protein_coding	0.42953	0.52724
ENSMUSG00000043889.7,Gm8399,processed_pseudogene	0.42945	0.673207
ENSMUSG00000120773.1,Gm32113,lncRNA	0.42932	0.615568
ENSMUSG00000039058.12,Ak5,protein_coding	0.42919	0.25381
ENSMUSG00000104253.2,Gm37174,TEC	0.42912	0.308237
ENSMUSG00000097915.5,A330009N23Rik,lncRNA	0.4291	0.326496
ENSMUSG00000020701.13,Tmem132e,protein_coding	0.42902	0.203209
ENSMUSG00000071379.3,Hpcal1,protein_coding	0.42893	0.189731
ENSMUSG00000033318.8,Gstt2,protein_coding	0.42882	0.711212
ENSMUSG00000120092.2,Gm57162,lncRNA	0.42854	0.607914
ENSMUSG00000056498.14,Tmem154,protein_coding	0.42849	0.604784
ENSMUSG00000045231.7,BC106179,lncRNA	0.42847	0.541923
ENSMUSG00000028661.9,Epha8,protein_coding	0.42824	0.344018
ENSMUSG00000025723.13,Nmb,protein_coding	0.4271	0.562931
ENSMUSG00000096221.5,1500002C15Rik,lncRNA	0.42686	0.117822
ENSMUSG00000091510.7,Mtag2,lncRNA	0.42645	0.434002
ENSMUSG00000109057.2,Gm44741,TEC	0.42624	0.368409
ENSMUSG00000063445.15,Nmral1,protein_coding	0.4258	0.30071
ENSMUSG00000056895.5,H2bc27,protein_coding	0.42552	0.248066
ENSMUSG00000107470.3,Gm3375,processed_pseudogene	0.42541	0.190757
ENSMUSG00000102723.2,Gm37936,TEC	0.4253	0.592506
ENSMUSG00000083827.2,Gm15712,processed_pseudogene	0.42516	0.398104
ENSMUSG00000118012.2,Gm46620,lncRNA	0.42492	0.669589
ENSMUSG00000018669.15,Cdk5rap3,protein_coding	0.42448	0.116271
ENSMUSG00000044816.11,D630023F18Rik,protein_coding	0.42438	0.37926
ENSMUSG00000087449.2,Gm12971,lncRNA	0.42379	0.549662
ENSMUSG00000067847.14,Romo1,protein_coding	0.42376	0.273337
ENSMUSG00000028555.16,Ttc39a,protein_coding	0.42369	0.304248
ENSMUSG00000030256.12,Bhlhe41,protein_coding	0.42368	0.020191
ENSMUSG00000136862.1,ENSMUSG00000136862,lncRNA	0.42364	0.443378
ENSMUSG00000130600.1,ENSMUSG00000130600,lncRNA	0.42361	0.260051
ENSMUSG00000031828.10,Klhl36,protein_coding	0.42358	0.236875
ENSMUSG00000002332.17,Dhrs1,protein_coding	0.42315	0.137488
ENSMUSG00000006398.16,Cdc20,protein_coding	0.4229	0.722787
ENSMUSG00000121252.1,Gm57410,lncRNA	0.42271	0.543934
ENSMUSG00000107295.2,Gm42896,TEC	0.42207	0.348209
ENSMUSG00000120707.2,Gm30092,lncRNA	0.4219	0.489474
ENSMUSG00000007036.16,Abhd16a,protein_coding	0.42184	0.098831
ENSMUSG00000009731.5,Kcnd1,protein_coding	0.42152	0.107148
ENSMUSG00000044716.13,Dok7,protein_coding	0.42103	0.188932
ENSMUSG00000020473.14,Aebp1,protein_coding	0.42084	0.283507
ENSMUSG00000048922.19,Cdca2,protein_coding	0.42075	0.783346
ENSMUSG00000040557.15,Mettl27,protein_coding	0.42054	0.223951
ENSMUSG00000143989.1,ENSMUSG00000143989,lncRNA	0.42044	0.638482
ENSMUSG00000004707.15,Ly9,protein_coding	0.41983	0.775612

ENSMUSG00000052415.6,Tchh,protein_coding	0.41957	0.407202
ENSMUSG00000097561.2,4632411P08Rik,lncRNA	0.41949	0.550845
ENSMUSG00000037548.16,H2-DMb2,protein_coding	0.41945	0.789115
ENSMUSG00000064284.13,Cdpf1,protein_coding	0.41944	0.22705
ENSMUSG00000128095.1,ENSMUSG00000128095,lncRNA	0.41939	0.47142
ENSMUSG00000044167.7,Foxo1,protein_coding	0.41935	0.196159
ENSMUSG00000070687.12,Htr1d,protein_coding	0.41907	0.396494
ENSMUSG00000048387.9,Osr1,protein_coding	0.41903	0.449567
ENSMUSG00000031861.17,Lpar2,protein_coding	0.41857	0.564361
ENSMUSG00000038257.11,Glra3,protein_coding	0.41843	0.229504
ENSMUSG00000108079.4,Gm44210,lncRNA	0.4182	0.410499
ENSMUSG00000110360.2,Gm45380,processed_pseudogene	0.41812	0.425998
ENSMUSG00000089746.2,Gm3513,lncRNA	0.41805	0.510723
ENSMUSG00000049580.13,Tsku,protein_coding	0.41803	0.307089
ENSMUSG00000103694.2,Gm37530,TEC	0.41784	0.405726
ENSMUSG00000137459.1,ENSMUSG00000137459,lncRNA	0.41783	0.371226
ENSMUSG00000085655.7,Gm15952,lncRNA	0.41782	0.375211
ENSMUSG00000061132.14,Blnk,protein_coding	0.4178	0.614678
ENSMUSG00000064220.7,H2ac18,protein_coding	0.41752	0.798605
ENSMUSG00000039234.12,Sec24d,protein_coding	0.41696	0.166598
ENSMUSG00000086970.2,Bcas1os1,lncRNA	0.41671	0.513607
ENSMUSG00000051184.8,Zfp524,protein_coding	0.41669	0.336975
ENSMUSG00000085720.10,Gm7854,lncRNA	0.41669	0.399777
ENSMUSG00000127806.1,ENSMUSG00000127806,lncRNA	0.41662	0.512189
ENSMUSG00000103634.2,3110062G12Rik,TEC	0.4165	0.514262
ENSMUSG00000060371.13,Caln1,protein_coding	0.41629	0.065722
ENSMUSG00000035783.10,Acta2,protein_coding	0.41621	0.192767
ENSMUSG00000027379.15,Bub1,protein_coding	0.41598	0.761915
ENSMUSG00000020709.16,Adap2,protein_coding	0.41597	0.410447
ENSMUSG00000133370.1,ENSMUSG00000133370,lncRNA	0.41593	0.57157
ENSMUSG00000082208.2,Gm15379,processed_pseudogene	0.41571	0.528571
ENSMUSG00000105843.3,Gm19439,TEC	0.4155	0.846429
ENSMUSG00000029464.11,Gpn3,protein_coding	0.41541	0.17559
ENSMUSG00000117098.2,Gm49909,protein_coding	0.41499	0.350055
ENSMUSG00000038776.14,Ephx1,protein_coding	0.41496	0.125325
ENSMUSG00000079645.3,Gm17193,lncRNA	0.41486	0.506697
ENSMUSG00000022351.15,Sqle,protein_coding	0.41479	0.075355
ENSMUSG00000024553.9,Galr1,protein_coding	0.41476	0.482463
ENSMUSG00000027824.6,Vmn2r1,protein_coding	0.41451	0.588915
ENSMUSG00000025889.14,Snca,protein_coding	0.41439	0.212665
ENSMUSG00000092837.3,Rpph1,ribozyme	0.41436	0.06616
ENSMUSG00000045237.6,Eola1,protein_coding	0.41433	0.23074
ENSMUSG00000039699.15,Batf2,protein_coding	0.41362	0.622283
ENSMUSG00000107402.3,4732416N19Rik,TEC	0.41338	0.245035
ENSMUSG00000029145.13,Eif2b4,protein_coding	0.41337	0.071519
ENSMUSG00000031371.15,Haus7,protein_coding	0.41336	0.271704
ENSMUSG00000119990.2,Gm53610,lncRNA	0.41329	0.305978
ENSMUSG00000142764.1,ENSMUSG00000142764,lncRNA	0.41314	0.75398
ENSMUSG00000102796.2,Gm37711,TEC	0.41304	0.261635
ENSMUSG00000056313.6,Tcim,protein_coding	0.41286	0.477143
ENSMUSG00000020773.12,Trim47,protein_coding	0.41279	0.398368
ENSMUSG00000129556.1,ENSMUSG00000129556,lncRNA	0.41262	0.75273

ENSMUSG00000121730.2,ENSMUSG00000121730,lncRNA	0.41249	0.805952
ENSMUSG00000051499.8,Zfp786,protein_coding	0.41202	0.122923
ENSMUSG00000114602.2,Gm49223,lncRNA	0.41158	0.417728
ENSMUSG00000085272.8,Sbk3,protein_coding	0.4114	0.304391
ENSMUSG00000040466.17,Blvrb,protein_coding	0.4113	0.304529
ENSMUSG00000122225.1,ENSMUSG00000122225,lncRNA	0.41115	0.815103
ENSMUSG00000022577.19,Ly6h,protein_coding	0.41109	0.27702
ENSMUSG00000061991.3,H2ac10,protein_coding	0.41109	0.779703
ENSMUSG00000024309.16,Pfdn6,protein_coding	0.41106	0.132569
ENSMUSG00000012819.17,Cdh23,protein_coding	0.41068	0.504046
ENSMUSG00000036545.10,Adamts2,protein_coding	0.41035	0.112775
ENSMUSG00000030214.8,Plbd1,protein_coding	0.41006	0.661612
ENSMUSG00000000632.14,Sez6,protein_coding	0.40994	0.284604
ENSMUSG00000021273.12,Fdft1,protein_coding	0.40944	0.157939
ENSMUSG00000033762.9,Recql4,protein_coding	0.40943	0.55128
ENSMUSG00000066152.12,Slc31a2,protein_coding	0.40903	0.150343
ENSMUSG00000120039.2,Gm56759,lncRNA	0.40886	0.529261
ENSMUSG00000087579.10,Hectd2os,lncRNA	0.40869	0.408964
ENSMUSG00000038180.12,Spag4,protein_coding	0.40864	0.399152
ENSMUSG00000074280.7,Gm6166,processed_pseudogene	0.40863	0.209864
ENSMUSG00000110404.2,Rnf223,protein_coding	0.4083	0.535495
ENSMUSG00000019982.16,Myb,protein_coding	0.40827	0.769421
ENSMUSG00000107823.2,Gm44436,TEC	0.40814	0.405765
ENSMUSG00000097876.3,Gm16892,lncRNA	0.40809	0.551002
ENSMUSG00000115564.2,Gm49199,TEC	0.40796	0.385162
ENSMUSG00000033170.15,Card10,protein_coding	0.40784	0.416381
ENSMUSG00000065041.3,Gm24044,snoRNA	0.40763	0.272537
ENSMUSG00000100975.3,Gm28875,lncRNA	0.40745	0.370215
ENSMUSG00000053166.15,Cdh22,protein_coding	0.40733	0.137606
ENSMUSG00000104195.2,B230377A18Rik,TEC	0.40727	0.379938
ENSMUSG00000021179.9,Nrde2,protein_coding	0.40724	0.061039
ENSMUSG00000028980.15,H6pd,protein_coding	0.40674	0.131068
ENSMUSG00000132453.1,ENSMUSG00000132453,lncRNA	0.40673	0.672188
ENSMUSG00000083218.3,Gm16425,processed_pseudogene	0.40671	0.462524
ENSMUSG00000112808.2,Gm4739,processed_pseudogene	0.40662	0.776242
ENSMUSG00000087342.2,Gm12238,lncRNA	0.40639	0.50695
ENSMUSG00000060260.14,Pwwp2b,protein_coding	0.406	0.187846
ENSMUSG00000005514.15,Por,protein_coding	0.40595	0.159099
ENSMUSG00000050335.18,Lgals3,protein_coding	0.4059	0.666662
ENSMUSG00000025876.16,Unc5a,protein_coding	0.40581	0.176311
ENSMUSG00000106103.2,Gm43081,TEC	0.40556	0.555174
ENSMUSG00000098650.2,Commd1b,protein_coding	0.40536	0.234901
ENSMUSG00000091994.4,E130317F20Rik,lncRNA	0.40529	0.171386
ENSMUSG00000068391.9,Chrac1,protein_coding	0.40521	0.327185
ENSMUSG00000048277.16,Syngr2,protein_coding	0.40519	0.714366
ENSMUSG00000050350.9,Gpr18,protein_coding	0.40516	0.868679
ENSMUSG00000103827.4,Gm32950,lncRNA	0.40471	0.447932
ENSMUSG00000079419.5,Ms4a6c,protein_coding	0.40447	0.743718
ENSMUSG00000105500.2,Gm42591,TEC	0.40447	0.534622
ENSMUSG00000030108.15,Slc6a13,protein_coding	0.40427	0.318753
ENSMUSG00000080058.3,Gm11175,lncRNA	0.40408	0.374638
ENSMUSG00000094437.3,Gm9830,processed_pseudogene	0.40404	0.441521

ENSMUSG00000057191.15,AB124611,protein_coding	0.40394	0.699015
ENSMUSG00000019326.15,Aoc3,protein_coding	0.40373	0.351911
ENSMUSG00000110980.4,Gm47204,lncRNA	0.40361	0.191803
ENSMUSG00000109555.2,Gm44891,TEC	0.40361	0.313208
ENSMUSG00000051518.9,Rps19bp1,protein_coding	0.40342	0.167565
ENSMUSG00000104737.2,Gm42937,lncRNA	0.40338	0.3919
ENSMUSG00000120992.2,D17H6S56E-5,lncRNA	0.40332	0.677651
ENSMUSG00000031344.12,Gabrq,protein_coding	0.40312	0.670272
ENSMUSG00000138589.1,ENSMUSG00000138589,lncRNA	0.40302	0.567233
ENSMUSG00000090336.6,Cfap97d2,protein_coding	0.40282	0.275637
ENSMUSG00000020364.15,Zfp354a,protein_coding	0.40279	0.118985
ENSMUSG00000105134.2,Gm42923,TEC	0.40241	0.709739
ENSMUSG00000086889.3,Phf2os1,lncRNA	0.40229	0.3082
ENSMUSG00000085386.3,Gm13630,lncRNA	0.40229	0.586123
ENSMUSG00000020651.9,Slc26a4,protein_coding	0.40229	0.498874
ENSMUSG00000026853.16,Crat,protein_coding	0.40201	0.095441
ENSMUSG00000102564.3,Gm37035,lncRNA	0.40184	0.23837
ENSMUSG00000121491.2,2700099C18Rik,lncRNA	0.40183	0.805413
ENSMUSG00000019853.7,Hebp2,protein_coding	0.40164	0.237275
ENSMUSG00000040938.17,Slc16a11,protein_coding	0.4011	0.361564
ENSMUSG00000085409.3,Gm16155,lncRNA	0.40064	0.623921
ENSMUSG00000104476.2,Gm38211,TEC	0.40019	0.503088
ENSMUSG00000054850.5,Smim10l2a,protein_coding	0.40013	0.196779
ENSMUSG00000021322.9,Aoah,protein_coding	0.40004	0.72187
ENSMUSG00000031779.4,Ccl22,protein_coding	0.3997	0.717703
ENSMUSG00000054383.3,Pnma1,protein_coding	0.39969	0.376654
ENSMUSG00000071470.5,Ccnb1ip1,protein_coding	0.3994	0.651946
ENSMUSG00000042195.10,Slc35f2,protein_coding	0.39928	0.490035
ENSMUSG00000025013.16,Tll2,protein_coding	0.39926	0.373618
ENSMUSG00000052155.6,Acvr2a,protein_coding	0.39916	0.24685
ENSMUSG00000028943.19,Espn,protein_coding	0.39893	0.330018
ENSMUSG00000117972.2,Gm6813,processed_pseudogene	0.39879	0.512798
ENSMUSG00000090122.4,Kcne5,protein_coding	0.39855	0.421813
ENSMUSG00000036960.11,Clca2,protein_coding	0.3985	0.823787
ENSMUSG00000024382.14,Ercc3,protein_coding	0.39846	0.024723
ENSMUSG00000035799.7,Twist1,protein_coding	0.39819	0.510539
ENSMUSG00000107306.2,Gm42577,TEC	0.39815	0.409572
ENSMUSG00000038893.13,Fam117a,protein_coding	0.39783	0.367951
ENSMUSG00000051669.7,AU021092,protein_coding	0.39762	0.631916
ENSMUSG00000033082.11,Clec1a,protein_coding	0.3975	0.466693
ENSMUSG00000029659.17,Medag,protein_coding	0.39749	0.200305
ENSMUSG00000033685.14,Ucp2,protein_coding	0.3972	0.622891
ENSMUSG00000036315.14,Polr1h,protein_coding	0.397	0.215843
ENSMUSG00000132639.1,ENSMUSG00000132639,lncRNA	0.39688	0.60934
ENSMUSG00000120593.2,Gm56651,lncRNA	0.39663	0.408709
ENSMUSG00000123732.1,ENSMUSG00000123732,lncRNA	0.39643	0.394635
ENSMUSG00000018923.14,Med11,protein_coding	0.39643	0.275151
ENSMUSG00000030538.16,Cib1,protein_coding	0.39635	0.346568
ENSMUSG00000079165.11,Sap25,protein_coding	0.39616	0.583071
ENSMUSG00000033386.11,Frrs1,protein_coding	0.39601	0.651784
ENSMUSG00000107722.3,2900060B14Rik,lncRNA	0.39586	0.603235
ENSMUSG00000117901.2,Gm54798,lncRNA	0.39584	0.243997

ENSMUSG00000022571.10,Pycr3,protein_coding	0.39573	0.234491
ENSMUSG00000117917.2,Gm18087,processed_pseudogene	0.39541	0.597651
ENSMUSG00000097162.5,2310010J17Rik,lncRNA	0.39538	0.332953
ENSMUSG00000085278.3,Gm12841,lncRNA	0.39536	0.48239
ENSMUSG00000061062.6,Hdac1-ps,processed_pseudogene	0.39492	0.713234
ENSMUSG00000073647.5,Gm10557,processed_pseudogene	0.39431	0.209508
ENSMUSG00000015776.13,Med22,protein_coding	0.39416	0.083397
ENSMUSG00000026358.14,Rgs1,protein_coding	0.39397	0.762392
ENSMUSG00000024998.18,Plce1,protein_coding	0.39391	0.218353
ENSMUSG00000118841.1,Rn7s2,misc_RNA	0.39347	0.065411
ENSMUSG00000106682.2,Gm42648,TEC	0.39339	0.23297
ENSMUSG00000060708.5,Bloc1s4,protein_coding	0.39334	0.128738
ENSMUSG00000126917.1,ENSMUSG00000126917,lncRNA	0.39299	0.422493
ENSMUSG00000058672.8,Tubb2a,protein_coding	0.39275	0.228645
ENSMUSG00000047810.10,Ccdc88b,protein_coding	0.39267	0.758612
ENSMUSG00000058773.3,H1f5,protein_coding	0.39242	0.750275
ENSMUSG00000133423.1,ENSMUSG00000133423,lncRNA	0.39239	0.664101
ENSMUSG00000038963.16,Slco4a1,protein_coding	0.39234	0.437323
ENSMUSG00000111950.4,Gm48893,lncRNA	0.39212	0.474718
ENSMUSG00000105774.2,Gm43006,TEC	0.39196	0.352074
ENSMUSG00000073684.14,Faap20,protein_coding	0.39179	0.10567
ENSMUSG00000108886.2,Gm44830,TEC	0.39168	0.444144
ENSMUSG00000081872.2,Gm15572,processed_pseudogene	0.39152	0.659097
ENSMUSG00000032006.16,Pdgfd,protein_coding	0.39141	0.388958
ENSMUSG00000046215.4,Rprml,protein_coding	0.39138	0.315748
ENSMUSG00000024411.12,Aqp4,protein_coding	0.39124	0.268245
ENSMUSG00000051497.16,Kcnj16,protein_coding	0.39104	0.150616
ENSMUSG00000112278.4,Gm30025,lncRNA	0.39098	0.586411
ENSMUSG00000092375.3,A730060N03Rik,lncRNA	0.39096	0.313755
ENSMUSG00000102417.2,Gm36939,TEC	0.39095	0.352165
ENSMUSG00000115383.2,Gm49216,lncRNA	0.39093	0.512147
ENSMUSG00000108103.3,Gm44081,lncRNA	0.39091	0.492311
ENSMUSG00000024053.12,Emilin2,protein_coding	0.39071	0.510534
ENSMUSG00000025171.3,Ubtd1,protein_coding	0.3904	0.241417
ENSMUSG00000054667.8,Irs4,protein_coding	0.39034	0.752033
ENSMUSG00000113910.2,Gm48286,lncRNA	0.39003	0.431917
ENSMUSG00000141504.1,ENSMUSG00000141504,lncRNA	0.38983	0.290726
ENSMUSG00000031399.16,Fam3a,protein_coding	0.38928	0.125368
ENSMUSG00000111594.2,Gm3365,transcribed_unprocessed_pseudogene	0.38924	0.526885
ENSMUSG00000052373.15,Mpp3,protein_coding	0.38869	0.271288
ENSMUSG00000035686.9,Thrsp,protein_coding	0.38856	0.24482
ENSMUSG00000021662.12,Arhgef28,protein_coding	0.38843	0.157786
ENSMUSG00000030545.10,Pex11a,protein_coding	0.38748	0.316412
ENSMUSG00000025038.8,Efhc2,protein_coding	0.38744	0.535303
ENSMUSG00000105282.2,Gm42981,TEC	0.387	0.365833
ENSMUSG00000133342.1,ENSMUSG00000133342,lncRNA	0.38668	0.67465
ENSMUSG00000024039.16,Cbs,protein_coding	0.38662	0.065893
ENSMUSG00000034842.17,Art3,protein_coding	0.38616	0.508569
ENSMUSG00000129163.1,ENSMUSG00000129163,lncRNA	0.38567	0.622423
ENSMUSG00000110156.5,Gm42067,lncRNA	0.38564	0.319058
ENSMUSG00000065282.3,Gm24455,snoRNA	0.38536	0.437832
ENSMUSG00000034614.15,Pik3ip1,protein_coding	0.38522	0.090877

ENSMUSG00000135361.1,ENSMUSG00000135361,lncRNA	0.38495	0.521967
ENSMUSG00000104498.2,Gm37110,TEC	0.38485	0.83421
ENSMUSG00000104114.2,Gm37297,TEC	0.38464	0.308006
ENSMUSG00000089789.2,Rdh1,protein_coding	0.38429	0.381241
ENSMUSG00000126356.1,ENSMUSG00000126356,lncRNA	0.38415	0.615485
ENSMUSG00000121093.2,Gm56906,lncRNA	0.38406	0.765988
ENSMUSG00000035064.18,Eef2k,protein_coding	0.38405	0.077367
ENSMUSG00000066197.6,Gpr139,protein_coding	0.38402	0.187618
ENSMUSG00000058818.14,Pirb,protein_coding	0.38357	0.645893
ENSMUSG00000020525.18,Ppm1d,protein_coding	0.38354	0.227769
ENSMUSG00000064500.4,Gm25296,snoRNA	0.38329	0.618076
ENSMUSG00000104966.2,Gm43273,TEC	0.38306	0.300364
ENSMUSG00000126157.1,ENSMUSG00000126157,lncRNA	0.38242	0.316629
ENSMUSG00000071073.6,Lrrc73,protein_coding	0.38208	0.360278
ENSMUSG00000065232.3,Gm22973,snRNA	0.38157	0.640916
ENSMUSG00000036362.3,P2ry13,protein_coding	0.38156	0.474278
ENSMUSG00000038352.16,Arl5c,protein_coding	0.38137	0.637083
ENSMUSG00000033105.13,Lss,protein_coding	0.38114	0.046982
ENSMUSG00000024529.15,Lox,protein_coding	0.38095	0.453776
ENSMUSG00000124921.1,ENSMUSG00000124921,lncRNA	0.38092	0.374848
ENSMUSG00000116125.3,Gm41361,lncRNA	0.38089	0.333976
ENSMUSG00000031434.16,Morc4,protein_coding	0.38088	0.174167
ENSMUSG00000019970.16,Sgk1,protein_coding	0.38074	0.33777
ENSMUSG00000093930.3,Hmgcs1,protein_coding	0.38069	0.135858
ENSMUSG00000134236.1,ENSMUSG00000134236,lncRNA	0.38038	0.53214
ENSMUSG00000131072.1,ENSMUSG00000131072,lncRNA	0.3803	0.622481
ENSMUSG00000030089.16,Slc41a3,protein_coding	0.38016	0.370024
ENSMUSG00000138717.1,ENSMUSG00000138717,lncRNA	0.37971	0.410549
ENSMUSG00000103525.2,Gm37262,TEC	0.37962	0.420106
ENSMUSG00000099672.3,Gm28564,lncRNA	0.37916	0.55548
ENSMUSG00000106634.2,Gm43042,lncRNA	0.37904	0.40643
ENSMUSG00000116223.3,Gm41396,lncRNA	0.37864	0.168254
ENSMUSG00000059743.13,Fdps,protein_coding	0.37839	0.173846
ENSMUSG00000136446.1,ENSMUSG00000136446,lncRNA	0.37832	0.454114
ENSMUSG00000029482.5,Aacs,protein_coding	0.37816	0.082535
ENSMUSG00000034926.4,Dhcr24,protein_coding	0.37781	0.161644
ENSMUSG00000080848.4,Gm9385,processed_pseudogene	0.37743	0.422474
ENSMUSG00000064540.3,Snord42a,snoRNA	0.37742	0.750666
ENSMUSG00000032977.10,Slx9,protein_coding	0.37736	0.092008
ENSMUSG00000121724.2,Ppp1ccb,lncRNA	0.37689	0.242078
ENSMUSG00000037977.7,6430571L13Rik,protein_coding	0.37673	0.435893
ENSMUSG00000104822.2,Gm42967,TEC	0.37668	0.507815
ENSMUSG00000097023.11,Mir9-3hg,lncRNA	0.37659	0.169319
ENSMUSG00000022124.16,Fbxl3,protein_coding	0.37602	0.112172
ENSMUSG00000070705.4,Eid2b,protein_coding	0.37601	0.047767
ENSMUSG00000041836.11,Ptpre,protein_coding	0.37593	0.045838
ENSMUSG00000130127.1,ENSMUSG00000130127,lncRNA	0.37567	0.373853
ENSMUSG00000057963.10,Itpk1,protein_coding	0.37537	0.119262
ENSMUSG00000056679.14,Gpr173,protein_coding	0.37517	0.092596
ENSMUSG00000032527.14,Pccb,protein_coding	0.37516	0.081576
ENSMUSG00000026544.7,Dusp23,protein_coding	0.37504	0.393878
ENSMUSG00000026042.17,Col5a2,protein_coding	0.37504	0.253602

ENSMUSG00000104651.2,Gm21168,processed_pseudogene	0.37495	0.48488
ENSMUSG00000044288.7,Cnr1,protein_coding	0.37486	0.284019
ENSMUSG00000139722.1,ENSMUSG00000139722,lncRNA	0.37461	0.815993
ENSMUSG00000007837.12,Prrg2,protein_coding	0.37405	0.262859
ENSMUSG00000026360.10,Rgs2,protein_coding	0.37397	0.244968
ENSMUSG00000046610.16,Oacyl,protein_coding	0.37384	0.571158
ENSMUSG00000018042.19,Cyb5r3,protein_coding	0.37354	0.054548
ENSMUSG00000120104.2,4122401K19Rik,lncRNA	0.37344	0.274215
ENSMUSG00000031438.12,Rnf128,protein_coding	0.37337	0.192968
ENSMUSG00000134617.1,ENSMUSG00000134617,lncRNA	0.37327	0.656377
ENSMUSG00000029925.14,Tbxas1,protein_coding	0.37312	0.534909
ENSMUSG00000028707.16,Dmbx1,protein_coding	0.37297	0.681651
ENSMUSG00000039783.16,Kmo,protein_coding	0.37272	0.797011
ENSMUSG00000058756.14,Thra,protein_coding	0.3726	0.179408
ENSMUSG00000031825.17,Crispld2,protein_coding	0.37258	0.360061
ENSMUSG00000139889.1,ENSMUSG00000139889,lncRNA	0.37237	0.746912
ENSMUSG00000031387.15,Renbp,protein_coding	0.37226	0.542079
ENSMUSG00000030111.10,A2m,protein_coding	0.3722	0.491687
ENSMUSG00000025572.19,Tmc6,protein_coding	0.37214	0.614494
ENSMUSG00000036699.13,Zcchc12,protein_coding	0.37212	0.466254
ENSMUSG00000015312.10,Gadd45b,protein_coding	0.37212	0.276893
ENSMUSG00000107300.2,Gm43279,TEC	0.37182	0.380283
ENSMUSG00000099869.8,1700030F04Rik,lncRNA	0.37152	0.451967
ENSMUSG00000111271.2,Gm48127,lncRNA	0.37148	0.446146
ENSMUSG00000120623.2,Gm56503,lncRNA	0.37139	0.62336
ENSMUSG00000018341.13,Il12rb2,protein_coding	0.37136	0.678726
ENSMUSG00000025739.14,Gng13,protein_coding	0.37131	0.302379
ENSMUSG00000021640.7,Naip1,protein_coding	0.37128	0.671772
ENSMUSG00000103845.2,Gm19026,processed_pseudogene	0.37122	0.477857
ENSMUSG00000110790.3,Gm47079,lncRNA	0.3709	0.543793
ENSMUSG00000038811.14,Gngt2,protein_coding	0.37088	0.768984
ENSMUSG00000134064.1,ENSMUSG00000134064,lncRNA	0.37082	0.38637
ENSMUSG00000046637.4,Ttc34,protein_coding	0.3707	0.558807
ENSMUSG00000011267.9,Zfp296,protein_coding	0.37039	0.77179
ENSMUSG00000079144.8,A130010J15Rik,protein_coding	0.37036	0.126963
ENSMUSG00000001524.15,Gtf2h4,protein_coding	0.37035	0.228882
ENSMUSG00000101939.2,Gm28438,transcribed_unprocessed_pseudogene	0.3702	0.496241
ENSMUSG00000004902.8,Slc25a18,protein_coding	0.37008	0.262546
ENSMUSG00000034845.7,Plvap,protein_coding	0.37008	0.385724
ENSMUSG00000023966.9,Rsph9,protein_coding	0.37007	0.439032
ENSMUSG00000091086.3,Rpl6l,processed_pseudogene	0.36985	0.702119
ENSMUSG00000026344.10,Lypd1,protein_coding	0.3695	0.359852
ENSMUSG00000074971.5,Fibin,protein_coding	0.36934	0.360915
ENSMUSG00000025058.5,Tasl,protein_coding	0.3693	0.81049
ENSMUSG00000022622.6,Acr,protein_coding	0.36921	0.619129
ENSMUSG00000019232.15,Etnppl,protein_coding	0.36912	0.455769
ENSMUSG00000131344.1,ENSMUSG00000131344,lncRNA	0.3691	0.441897
ENSMUSG00000029602.12,Rasal1,protein_coding	0.36895	0.297086
ENSMUSG00000055602.18,Tcp10b,protein_coding	0.3684	0.575263
ENSMUSG00000079494.3,Nat8f5,protein_coding	0.36836	0.630737
ENSMUSG00000104830.2,5830487J09Rik,lncRNA	0.36829	0.244718
ENSMUSG00000018830.11,Myh11,protein_coding	0.36829	0.245601

ENSMUSG00000143086.1,ENSMUSG00000143086,lncRNA	0.3682	0.593226
ENSMUSG00000130254.1,ENSMUSG00000130254,lncRNA	0.36801	0.565682
ENSMUSG00000120379.2,Gm56534,lncRNA	0.36737	0.562336
ENSMUSG00000051124.7,Gimap9,protein_coding	0.36724	0.747468
ENSMUSG00000028910.13,Mecr,protein_coding	0.36711	0.102788
ENSMUSG00000099061.4,Gm28050,lncRNA	0.36668	0.406606
ENSMUSG00000110720.2,Gm46223,processed_pseudogene	0.36666	0.826347
ENSMUSG00000084880.2,Tomm6os,lncRNA	0.36664	0.248656
ENSMUSG00000028066.16,Pmf1,protein_coding	0.36614	0.610932
ENSMUSG00000078762.11,Haus5,protein_coding	0.36586	0.576385
ENSMUSG00000102493.2,Gm8010,unprocessed_pseudogene	0.36574	0.683353
ENSMUSG00000118552.2,Rplp2-ps1,protein_coding	0.36573	0.709576
ENSMUSG00000131081.1,ENSMUSG00000131081,lncRNA	0.36543	0.511591
ENSMUSG00000105160.2,A530030E21Rik,TEC	0.36543	0.845243
ENSMUSG00000039556.17,Ppp1r3f,protein_coding	0.36518	0.358106
ENSMUSG00000054679.9,Srsf12,protein_coding	0.36508	0.208373
ENSMUSG00000037225.14,Fgf2,protein_coding	0.36507	0.084113
ENSMUSG00000043192.5,Gpi-ps,processed_pseudogene	0.36504	0.266984
ENSMUSG00000029551.14,Psmg3,protein_coding	0.36502	0.258029
ENSMUSG00000037211.13,Spry1,protein_coding	0.36502	0.250621
ENSMUSG00000038807.20,Rap1gap2,protein_coding	0.36499	0.123177
ENSMUSG00000016995.18,Matn4,protein_coding	0.36479	0.291329
ENSMUSG00000106671.2,Gm42900,TEC	0.36472	0.45172
ENSMUSG00000015542.18,Nat9,protein_coding	0.36456	0.219302
ENSMUSG00000080542.3,Rnu4atac,snRNA	0.36446	0.439436
ENSMUSG00000063632.7,Sox11,protein_coding	0.36412	0.145175
ENSMUSG00000039960.6,Rhou,protein_coding	0.36407	0.0795
ENSMUSG00000021596.18,Mctp1,protein_coding	0.36393	0.211456
ENSMUSG00000023940.15,Sgo1,protein_coding	0.36376	0.801503
ENSMUSG00000119662.1,Gm22988,snoRNA	0.36364	0.283489
ENSMUSG00000131947.1,ENSMUSG00000131947,lncRNA	0.36362	0.670104
ENSMUSG00000039661.15,Dusp26,protein_coding	0.36341	0.250124
ENSMUSG00000115422.3,4930452G13Rik,lncRNA	0.36334	0.53979
ENSMUSG00000135100.1,ENSMUSG00000135100,lncRNA	0.36323	0.434016
ENSMUSG00000030525.9,Chrna7,protein_coding	0.36312	0.193706
ENSMUSG00000027327.17,Adissp,protein_coding	0.36302	0.346633
ENSMUSG00000055271.6,9330161L09Rik,TEC	0.36287	0.389001
ENSMUSG00000006369.15,Fbln1,protein_coding	0.36283	0.385168
ENSMUSG00000087200.3,Lrp8os3,lncRNA	0.36279	0.512345
ENSMUSG00000051844.15,B230319C09Rik,lncRNA	0.36248	0.529091
ENSMUSG00000087543.3,Gm16576,lncRNA	0.36245	0.566381
ENSMUSG00000091864.3,Gm17102,lncRNA	0.36241	0.417227
ENSMUSG00000023348.12,Trip6,protein_coding	0.36208	0.364764
ENSMUSG00000102509.2,Gm37368,TEC	0.36183	0.348176
ENSMUSG00000080365.3,Gm25776,snoRNA	0.3613	0.735755
ENSMUSG00000086873.3,Gm15672,lncRNA	0.36105	0.297194
ENSMUSG00000135962.1,ENSMUSG00000135962,lncRNA	0.36095	0.742486
ENSMUSG00000021176.7,Efcab11,protein_coding	0.36092	0.833567
ENSMUSG00000033488.12,Cryzl2,protein_coding	0.36089	0.784361
ENSMUSG00000025494.9,Sigirr,protein_coding	0.36066	0.741462
ENSMUSG00000021186.10,Fbln5,protein_coding	0.36066	0.397866
ENSMUSG00000042312.12,S100a13,protein_coding	0.36033	0.3775

ENSMUSG00000048482.15,Bdnf,protein_coding	0.36029	0.317084
ENSMUSG00000024873.8,Cnih2,protein_coding	0.36028	0.324746
ENSMUSG00000009566.13,Fpgs,protein_coding	0.3602	0.327571
ENSMUSG00000115324.3,4930527F14Rik,lncRNA	0.36015	0.589848
ENSMUSG00000021880.8,Rnase6,protein_coding	0.36014	0.830896
ENSMUSG00000038732.16,Mboat1,protein_coding	0.35972	0.273467
ENSMUSG00000118839.1,Gm25360,snRNA	0.35969	0.588742
ENSMUSG00000077565.3,Gm23201,snoRNA	0.35962	0.625653
ENSMUSG00000035212.15,Leprot,protein_coding	0.35957	0.095991
ENSMUSG00000125832.1,ENSMUSG00000125832,lncRNA	0.35947	0.588704
ENSMUSG00000024927.9,Rela,protein_coding	0.35927	0.269398
ENSMUSG00000021871.20,Gm49342,protein_coding	0.35918	0.407084
ENSMUSG00000073424.10,Cyp4f15,protein_coding	0.35886	0.31941
ENSMUSG00000119757.2,Gm24448,snRNA	0.35878	0.548767
ENSMUSG00000083708.2,Gm13123,processed_pseudogene	0.35873	0.614553
ENSMUSG00000109754.4,Gm39214,lncRNA	0.35859	0.554021
ENSMUSG00000043843.18,Tmem145,protein_coding	0.3583	0.26109
ENSMUSG00000044707.8,Ccnjl,protein_coding	0.3582	0.370455
ENSMUSG00000130632.1,ENSMUSG00000130632,lncRNA	0.35809	0.596383
ENSMUSG00000097414.4,B130046B21Rik,lncRNA	0.35805	0.420198
ENSMUSG00000026197.13,Zfand2b,protein_coding	0.35772	0.302048
ENSMUSG00000090231.11,Cfb,protein_coding	0.35769	0.824635
ENSMUSG00000097652.5,Mhrt,lncRNA	0.3575	0.795253
ENSMUSG00000103685.2,Gm37074,TEC	0.35734	0.434203
ENSMUSG00000024650.6,Slc22a6,protein_coding	0.35733	0.323236
ENSMUSG00000026960.7,Arl6ip6,protein_coding	0.35718	0.332224
ENSMUSG00000045251.14,Zfp688,protein_coding	0.35716	0.285085
ENSMUSG00000089828.3,Gm16300,processed_pseudogene	0.35691	0.52071
ENSMUSG00000123952.1,ENSMUSG00000123952,lncRNA	0.35683	0.257801
ENSMUSG00000030029.15,Lrig1,protein_coding	0.35664	0.15238
ENSMUSG00000031374.14,Zfp92,protein_coding	0.35639	0.471538
ENSMUSG00000029716.14,Tfr2,protein_coding	0.35636	0.464173
ENSMUSG00000050304.5,Slc25a2,protein_coding	0.35625	0.617337
ENSMUSG00000031604.11,Msmo1,protein_coding	0.35622	0.054532
ENSMUSG00000060063.10,Alox5ap,protein_coding	0.35603	0.544496
ENSMUSG00000031574.9,Star,protein_coding	0.35601	0.304091
ENSMUSG00000024190.8,Dusp1,protein_coding	0.3558	0.332099
ENSMUSG00000030352.16,Tspan9,protein_coding	0.3557	0.329025
ENSMUSG00000024621.17,Csf1r,protein_coding	0.35553	0.253264
ENSMUSG00000102425.2,Gm26616,TEC	0.35549	0.636551
ENSMUSG00000022570.8,Gfus,protein_coding	0.35547	0.276046
ENSMUSG00000024065.9,Ehd3,protein_coding	0.35545	0.130556
ENSMUSG00000000531.6,Tamalin,protein_coding	0.3554	0.450988
ENSMUSG00000042453.15,Reln,protein_coding	0.35527	0.293364
ENSMUSG00000119843.1,Gm25646,snoRNA	0.35516	0.490876
ENSMUSG00000029484.13,Anxa3,protein_coding	0.35458	0.419789
ENSMUSG00000101678.4,Gm29609,protein_coding	0.3545	0.449817
ENSMUSG00000021670.15,Hmgcr,protein_coding	0.35449	0.043255
ENSMUSG00000034164.18,Emid1,protein_coding	0.35449	0.425887
ENSMUSG00000022861.18,Dgkg,protein_coding	0.35421	0.263966
ENSMUSG00000097573.5,G730003C15Rik,lncRNA	0.35397	0.419187
ENSMUSG00000084350.2,Znf41-ps,transcribed_unprocessed_pseudogene	0.35393	0.727894

ENSMUSG00000047721.9,Bola2,protein_coding	0.35385	0.169616
ENSMUSG00000025510.15,Cd151,protein_coding	0.35382	0.163005
ENSMUSG00000037190.13,Cyb561d2,protein_coding	0.35342	0.327026
ENSMUSG00000030093.8,Wnt7a,protein_coding	0.35341	0.326373
ENSMUSG00000028549.18,Itgb3bp,protein_coding	0.35333	0.317468
ENSMUSG00000113786.2,Gm49384,protein_coding	0.35331	0.677514
ENSMUSG00000103747.2,Gm38236,TEC	0.3533	0.439865
ENSMUSG00000004961.8,Syt5,protein_coding	0.35313	0.410468
ENSMUSG00000050700.12,Emilin3,protein_coding	0.35307	0.665692
ENSMUSG00000046727.14,Cystm1,protein_coding	0.35229	0.069411
ENSMUSG00000029073.10,Cptp,protein_coding	0.35226	0.236628
ENSMUSG00000123149.1,ENSMUSG00000123149,lncRNA	0.35219	0.837159
ENSMUSG00000047656.10,Trpt1,protein_coding	0.3519	0.241183
ENSMUSG00000054855.14,Rnd1,protein_coding	0.35186	0.220148
ENSMUSG00000116875.2,Morf4l1-ps1,transcribed_processed_pseudogene	0.35184	0.563863
ENSMUSG00000120172.2,Gm57013,lncRNA	0.35182	0.383841
ENSMUSG00000026463.18,Atp2b4,protein_coding	0.35171	0.140414
ENSMUSG00000040717.7,Il17rd,protein_coding	0.35154	0.155345
ENSMUSG00000065295.3,Gm24134,snoRNA	0.35127	0.702159
ENSMUSG00000130617.1,ENSMUSG00000130617,lncRNA	0.35124	0.36449
ENSMUSG00000025784.6,Clec3b,protein_coding	0.35098	0.63534
ENSMUSG00000058886.10,Deaf1,protein_coding	0.35078	0.133033
ENSMUSG00000026418.17,Tnni1,protein_coding	0.35066	0.525212
ENSMUSG00000096606.3,Tpbgl,protein_coding	0.35038	0.441827
ENSMUSG00000004951.11,Hspb1,protein_coding	0.35034	0.505084
ENSMUSG00000039737.12,Prkrip1,protein_coding	0.35007	0.051787
ENSMUSG00000038521.18,C1s1,protein_coding	0.35005	0.720226
ENSMUSG00000021228.16,Acot3,protein_coding	0.35005	0.53127
ENSMUSG00000123296.1,ENSMUSG00000123296,lncRNA	0.35004	0.662296
ENSMUSG00000025225.16,Nfkb2,protein_coding	0.34972	0.798011
ENSMUSG00000119959.2,Lppos,lncRNA	0.3496	0.264488
ENSMUSG00000035235.14,Trim13,protein_coding	0.3495	0.141074
ENSMUSG00000121394.1,Gm4988,lncRNA	0.34936	0.396364
ENSMUSG00000035805.14,Mlc1,protein_coding	0.3493	0.107915
ENSMUSG00000001249.15,Hpn,protein_coding	0.34927	0.514506
ENSMUSG00000035559.10,Mpv17l2,protein_coding	0.34919	0.36725
ENSMUSG00000060380.5,C030014I23Rik,lncRNA	0.34908	0.489025
ENSMUSG00000064901.3,Snora21,snoRNA	0.34903	0.340707
ENSMUSG00000028064.18,Sema4a,protein_coding	0.34898	0.260222
ENSMUSG00000031104.3,Rab33a,protein_coding	0.34878	0.326409
ENSMUSG00000001964.15,Emd,protein_coding	0.3487	0.130077
ENSMUSG00000041779.6,Tram2,protein_coding	0.34856	0.652753
ENSMUSG00000024570.8,Rbfa,protein_coding	0.34851	0.179056
ENSMUSG00000105990.2,Gm43307,TEC	0.34848	0.464087
ENSMUSG00000037922.14,Bank1,protein_coding	0.34826	0.809899
ENSMUSG00000085316.4,D330050G23Rik,lncRNA	0.34794	0.339337
ENSMUSG00000059146.13,Ntrk3,protein_coding	0.34771	0.152538
ENSMUSG00000002804.5,Nudt14,protein_coding	0.3476	0.447384
ENSMUSG00000022245.16,Skor1,protein_coding	0.34755	0.590157
ENSMUSG00000017716.16,Birc5,protein_coding	0.347	0.761843
ENSMUSG00000124097.1,ENSMUSG00000124097,lncRNA	0.34686	0.602163
ENSMUSG00000022894.7,Adamts5,protein_coding	0.34677	0.285511

ENSMUSG00000046152.17,Fut10,protein_coding	0.34671	0.284634
ENSMUSG00000137183.1,ENSMUSG00000137183,lncRNA	0.3467	0.853467
ENSMUSG00000127259.1,ENSMUSG00000127259,lncRNA	0.34645	0.80388
ENSMUSG00000086013.3,Gm15706,lncRNA	0.3464	0.463672
ENSMUSG00000029499.12,Pxmp2,protein_coding	0.34637	0.335211
ENSMUSG00000028172.6,Tacr3,protein_coding	0.34612	0.433226
ENSMUSG00000036114.4,Rpp25l,protein_coding	0.34593	0.309576
ENSMUSG00000035473.11,Galm,protein_coding	0.34588	0.432291
ENSMUSG00000042380.9,Smim12,protein_coding	0.34585	0.229403
ENSMUSG00000096449.3,Gm4076,processed_pseudogene	0.34579	0.632987
ENSMUSG00000090877.4,Hspa1b,protein_coding	0.34562	0.476494
ENSMUSG00000071632.11,2510002D24Rik,protein_coding	0.34554	0.17994
ENSMUSG00000026494.13,Kif26b,protein_coding	0.34546	0.234338
ENSMUSG00000097413.4,A830052D11Rik,lncRNA	0.34517	0.448702
ENSMUSG00000006219.13,Fblim1,protein_coding	0.34508	0.588153
ENSMUSG00000021061.16,Sptb,protein_coding	0.34482	0.147246
ENSMUSG00000050511.2,Oprd1,protein_coding	0.34456	0.362203
ENSMUSG00000045064.6,Zc2hc1c,protein_coding	0.34442	0.459388
ENSMUSG00000112900.2,Gm48204,TEC	0.34419	0.487831
ENSMUSG00000020734.14,Grin2c,protein_coding	0.34408	0.485935
ENSMUSG00000025102.15,3110040N11Rik,protein_coding	0.34405	0.315195
ENSMUSG00000106896.2,G630022F23Rik,TEC	0.34355	0.4501
ENSMUSG00000045294.12,Insig1,protein_coding	0.34349	0.081856
ENSMUSG00000029570.6,Lfng,protein_coding	0.34348	0.293913
ENSMUSG00000022831.15,Hcls1,protein_coding	0.34345	0.800029
ENSMUSG00000077212.3,Snord69,snoRNA	0.34341	0.67731
ENSMUSG00000030752.9,Kdm8,protein_coding	0.34329	0.426191
ENSMUSG00000064360.1,mt-Nd3,protein_coding	0.34326	0.823424
ENSMUSG00000109873.2,Gm45407,TEC	0.343	0.395023
ENSMUSG00000000263.16,Glra1,protein_coding	0.34294	0.774198
ENSMUSG00000104550.2,Gm43589,TEC	0.34279	0.539618
ENSMUSG00000041608.9,Entpd3,protein_coding	0.34267	0.448247
ENSMUSG00000030782.18,Tgfb1i1,protein_coding	0.34259	0.106762
ENSMUSG00000024378.10,Stard4,protein_coding	0.34251	0.088117
ENSMUSG00000065687.3,Gm23734,snoRNA	0.34244	0.484831
ENSMUSG00000126686.1,ENSMUSG00000126686,lncRNA	0.34232	0.409419
ENSMUSG00000025371.13,Chmp6,protein_coding	0.34231	0.147268
ENSMUSG00000056596.9,Trnp1,protein_coding	0.34225	0.193103
ENSMUSG00000091900.4,Gm4353,processed_pseudogene	0.34221	0.534806
ENSMUSG00000141942.1,ENSMUSG00000141942,lncRNA	0.3422	0.443188
ENSMUSG00000109094.2,Gm44587,TEC	0.34218	0.505614
ENSMUSG00000049288.5,Lix1l,protein_coding	0.34207	0.061307
ENSMUSG00000001946.15,Esam,protein_coding	0.34206	0.221737
ENSMUSG00000032076.21,Cadm1,protein_coding	0.34204	0.127854
ENSMUSG00002076327.1,Gm55991,misc_RNA	0.34169	0.674701
ENSMUSG00000137029.1,ENSMUSG00000137029,lncRNA	0.34159	0.724893
ENSMUSG00000022999.16,Lmbr1l,protein_coding	0.34148	0.277906
ENSMUSG00000117575.4,Gm36486,lncRNA	0.34145	0.683607
ENSMUSG00000026676.8,Ccdc3,protein_coding	0.34145	0.245761
ENSMUSG00000042320.18,Prox2,protein_coding	0.34124	0.47734
ENSMUSG00000069227.5,Gprin1,protein_coding	0.34119	0.25553
ENSMUSG00000091423.3,Gm17509,lncRNA	0.34118	0.441613

ENSMUSG00000002658.10,Gtf2f1,protein_coding	0.34112	0.09345
ENSMUSG00000040586.9,Ofd1,protein_coding	0.34111	0.227976
ENSMUSG00000080242.6,Atp6v0c-ps2,processed_pseudogene	0.34105	0.333633
ENSMUSG00000062312.6,Erbb2,protein_coding	0.34093	0.28225
ENSMUSG00000111631.2,Gm32017,lncRNA	0.34091	0.717336
ENSMUSG00000089759.9,3632454L22Rik,lncRNA	0.34087	0.433504
ENSMUSG00000022346.18,Myc,protein_coding	0.3406	0.716021
ENSMUSG00000073008.12,Gpr174,protein_coding	0.34059	0.817022
ENSMUSG00000036466.18,Megf11,protein_coding	0.34059	0.499469
ENSMUSG00000044927.8,H1f10,protein_coding	0.34054	0.349935
ENSMUSG00000019338.14,Zfp687,protein_coding	0.34041	0.145408
ENSMUSG00000044709.7,Gemin7,protein_coding	0.34034	0.250142
ENSMUSG00000045538.7,Ddx28,protein_coding	0.34022	0.259529
ENSMUSG00000114329.2,Gm30489,lncRNA	0.3402	0.55374
ENSMUSG00000025478.16,Dpysl4,protein_coding	0.34002	0.306711
ENSMUSG00000045438.13,Cox19,protein_coding	0.33991	0.115021
ENSMUSG00000140142.1,ENSMUSG00000140142,lncRNA	0.33981	0.522511
ENSMUSG00000026500.7,Cox20,protein_coding	0.33921	0.194679
ENSMUSG00000032313.12,Tmem266,protein_coding	0.33899	0.506133
ENSMUSG00000045201.7,Lrrc3b,protein_coding	0.33894	0.304166
ENSMUSG00000109179.3,Wdr97,protein_coding	0.3389	0.386994
ENSMUSG00000035403.11,Crb2,protein_coding	0.3387	0.344587
ENSMUSG00000038255.7,Neurod2,protein_coding	0.33865	0.196888
ENSMUSG00000032842.14,Abcc10,protein_coding	0.33864	0.213543
ENSMUSG00000108991.2,Gm45807,TEC	0.3385	0.546039
ENSMUSG00000026322.10,Htr4,protein_coding	0.33843	0.458207
ENSMUSG00000102635.2,Gm54655,TEC	0.33827	0.486063
ENSMUSG00000108126.2,Gm43909,TEC	0.33824	0.570839
ENSMUSG00000132636.1,ENSMUSG00000132636,lncRNA	0.33822	0.767721
ENSMUSG00000051671.8,Coa6,protein_coding	0.33789	0.219775
ENSMUSG00000063019.6,Manbal,protein_coding	0.33789	0.231315
ENSMUSG00000059498.14,Fcgr3,protein_coding	0.33771	0.5423
ENSMUSG00000039546.10,Ajap1,protein_coding	0.33744	0.289768
ENSMUSG00000108353.2,Gm45205,TEC	0.33742	0.383665
ENSMUSG00000065968.9,Ifitm7,protein_coding	0.33734	0.421046
ENSMUSG00000059277.15,R74862,lncRNA	0.33733	0.336098
ENSMUSG00000068964.6,Gm6361,processed_pseudogene	0.3372	0.810405
ENSMUSG00000039670.3,Oxld1,protein_coding	0.33715	0.375919
ENSMUSG00000044469.9,Tnfaip8l1,protein_coding	0.33698	0.423167
ENSMUSG00000049950.7,Rpp38,protein_coding	0.33687	0.414998
ENSMUSG00000020669.16,Sh3yl1,protein_coding	0.33679	0.236416
ENSMUSG00000114827.2,Gm46432,processed_pseudogene	0.33675	0.534597
ENSMUSG00000050103.19,Agmo,protein_coding	0.33664	0.260326
ENSMUSG00000029576.18,Radil,protein_coding	0.33659	0.401328
ENSMUSG00000009394.14,Syn2,protein_coding	0.33623	0.226201
ENSMUSG00000032502.9,Stac,protein_coding	0.33592	0.20505
ENSMUSG00000094707.5,A830019P07Rik,lncRNA	0.33539	0.70788
ENSMUSG00000073987.5,Ggh,protein_coding	0.33534	0.255019
ENSMUSG00000092035.10,Peg10,protein_coding	0.33534	0.425744
ENSMUSG00000081516.2,Gm12470,processed_pseudogene	0.33512	0.482255
ENSMUSG00000105686.3,Gm35394,lncRNA	0.3349	0.619522
ENSMUSG00000097268.2,Gm26805,lncRNA	0.33488	0.551423

ENSMUSG00000024181.10,Mrpl28,protein_coding	0.33456	0.291003
ENSMUSG00000001930.18,Vwf,protein_coding	0.33455	0.327626
ENSMUSG00000119873.1,Gm24497,snRNA	0.33453	0.864203
ENSMUSG00000140383.1,ENSMUSG00000140383,lncRNA	0.33432	0.770499
ENSMUSG00000111092.2,Gm17875,processed_pseudogene	0.33426	0.502681
ENSMUSG00000142746.1,ENSMUSG00000142746,lncRNA	0.33405	0.421013
ENSMUSG00000039238.7,Zfp750,protein_coding	0.33401	0.680915
ENSMUSG00000108865.2,Gm44617,lncRNA	0.33389	0.553953
ENSMUSG00000037224.16,Zfyve28,protein_coding	0.33373	0.198958
ENSMUSG00000121653.2,ENSMUSG00000121653,lncRNA	0.33369	0.433778
ENSMUSG00000047369.18,Dnah14,protein_coding	0.33356	0.516648
ENSMUSG00000055044.13,Pdlim1,protein_coding	0.33347	0.235042
ENSMUSG00000126363.1,ENSMUSG00000126363,lncRNA	0.33341	0.730492
ENSMUSG00000120410.2,Gm36411,lncRNA	0.33332	0.719696
ENSMUSG00000022217.15,Emc9,protein_coding	0.33331	0.201912
ENSMUSG00000044145.3,1810024B03Rik,protein_coding	0.33309	0.480477
ENSMUSG00000071041.5,Impdh2-ps,processed_pseudogene	0.33297	0.742724
ENSMUSG00000021318.16,Gli3,protein_coding	0.33277	0.161948
ENSMUSG00000036208.14,Nepro,protein_coding	0.33259	0.331629
ENSMUSG00000050266.7,Or52b1,protein_coding	0.33259	0.548813
ENSMUSG00000085371.2,Gm3160,processed_pseudogene	0.33239	0.651044
ENSMUSG00000110945.2,Gm9856,lncRNA	0.33219	0.31035
ENSMUSG00000026043.19,Col3a1,protein_coding	0.33219	0.434686
ENSMUSG00000000792.3,Slc5a5,protein_coding	0.33215	0.390589
ENSMUSG00000029005.5,Draxin,protein_coding	0.33206	0.520644
ENSMUSG00000121182.1,Gm56739,lncRNA	0.33182	0.379809
ENSMUSG00000056310.15,Tyw1,protein_coding	0.33175	0.154798
ENSMUSG00000095562.10,Erdr1x,lncRNA	0.33145	0.343458
ENSMUSG00000070425.14,Xntrpc,protein_coding	0.3313	0.676291
ENSMUSG00000005161.16,Prdx2,protein_coding	0.33128	0.211048
ENSMUSG00000045795.11,Whamm,protein_coding	0.33121	0.159663
ENSMUSG00000074738.3,Fndc10,protein_coding	0.33104	0.194005
ENSMUSG00000040139.15,9430038I01Rik,protein_coding	0.33103	0.490717
ENSMUSG00000050856.17,Atp5me,protein_coding	0.33078	0.335897
ENSMUSG00000120288.2,Gm56613,lncRNA	0.33051	0.742767
ENSMUSG00000003873.12,Bax,protein_coding	0.33034	0.150179
ENSMUSG00000109956.2,Gm45428,TEC	0.33031	0.475775
ENSMUSG00000024459.19,H2-M5,protein_coding	0.33017	0.55317
ENSMUSG00000061482.8,H4c4,protein_coding	0.33001	0.601592
ENSMUSG00000008668.16,Rps18,protein_coding	0.32997	0.547079
ENSMUSG00000017417.15,Plxdc1,protein_coding	0.32984	0.228366
ENSMUSG00000117546.2,Gm54542,TEC	0.32978	0.35904
ENSMUSG00000062252.10,Lhfpl5,protein_coding	0.3295	0.587042
ENSMUSG00000051043.17,Gprc5c,protein_coding	0.32925	0.586542
ENSMUSG00000002249.22,Tead3,protein_coding	0.32893	0.590758
ENSMUSG00000052631.17,Sh2d6,protein_coding	0.32872	0.789379
ENSMUSG00000107002.2,Ncbp2as2,protein_coding	0.32863	0.122082
ENSMUSG00000085611.4,Ap3s1-ps1,processed_pseudogene	0.3286	0.699848
ENSMUSG00000143185.1,ENSMUSG00000143185,lncRNA	0.32859	0.705911
ENSMUSG00000033177.14,Tmprss7,protein_coding	0.32853	0.328297
ENSMUSG00000085584.5,Rtl9,protein_coding	0.32843	0.490723
ENSMUSG00000018761.15,Mpdu1,protein_coding	0.32839	0.0898

ENSMUSG00000001761.8,Smo,protein_coding	0.32818	0.154806
ENSMUSG00000127622.1,ENSMUSG00000127622,lncRNA	0.32796	0.634284
ENSMUSG00000109257.2,Gm45200,TEC	0.32791	0.404421
ENSMUSG00000022439.10,Parvg,protein_coding	0.32775	0.752381
ENSMUSG00000041949.7,Tango6,protein_coding	0.32772	0.191164
ENSMUSG00000127377.1,ENSMUSG00000127377,lncRNA	0.3277	0.739334
ENSMUSG00000102639.2,Gm38223,TEC	0.32759	0.678406
ENSMUSG00000056427.11,Slit3,protein_coding	0.32747	0.27701
ENSMUSG00000121500.2,ENSMUSG00000121500,lncRNA	0.32727	0.321419
ENSMUSG00000106291.2,1110003F10Rik,TEC	0.32723	0.557206
ENSMUSG00000111466.2,Gm47504,processed_pseudogene	0.32723	0.682257
ENSMUSG00000048647.10,Exd1,protein_coding	0.32718	0.539662
ENSMUSG00000035601.10,Trmt10b,protein_coding	0.32717	0.120271
ENSMUSG00000086324.11,Gm15564,lncRNA	0.32691	0.568597
ENSMUSG00000070867.5,Trabd2b,protein_coding	0.32688	0.42659
ENSMUSG00000070644.14,Etnk2,protein_coding	0.32671	0.423268
ENSMUSG00000119142.1,Gm23143,snRNA	0.32665	0.708352
ENSMUSG00000025872.6,Thoc3,protein_coding	0.32661	0.199999
ENSMUSG00000009876.14,Cox4i2,protein_coding	0.32658	0.631897
ENSMUSG00000081228.2,Gm16089,processed_pseudogene	0.32649	0.597266
ENSMUSG00000028717.13,Tal1,protein_coding	0.32648	0.646841
ENSMUSG00000053461.10,Hhipl2,protein_coding	0.32641	0.704327
ENSMUSG00000065097.3,Snora16a,snoRNA	0.32616	0.503443
ENSMUSG00000027300.11,Ubox5,protein_coding	0.32591	0.158575
ENSMUSG00000045930.4,Clec14a,protein_coding	0.3259	0.294741
ENSMUSG00000036880.11,Acaa2,protein_coding	0.32586	0.309596
ENSMUSG00000026616.17,Cr2,protein_coding	0.3258	0.798909
ENSMUSG00000041841.9,Rpl37,protein_coding	0.32564	0.367516
ENSMUSG00000030048.6,Gkn3,protein_coding	0.32556	0.832811
ENSMUSG00000121900.1,ENSMUSG00000121900,lncRNA	0.32545	0.361982
ENSMUSG00000034220.8,Gpc1,protein_coding	0.32521	0.27587
ENSMUSG00000055775.17,Myh8,protein_coding	0.32504	0.682033
ENSMUSG00000098682.11,Otx2os1,lncRNA	0.32492	0.630521
ENSMUSG00000022324.17,Matn2,protein_coding	0.32458	0.311312
ENSMUSG00000067455.6,H4c11,protein_coding	0.32432	0.773075
ENSMUSG00000032531.16,Amotl2,protein_coding	0.32414	0.129466
ENSMUSG00000102627.2,Snurf,protein_coding	0.32395	0.365753
ENSMUSG00000027796.3,Smad9,protein_coding	0.32362	0.131274
ENSMUSG00000074466.15,Gm15417,lncRNA	0.32357	0.344665
ENSMUSG00000120027.2,Gm57071,lncRNA	0.32353	0.515973
ENSMUSG00000035179.5,Saxo4,protein_coding	0.32293	0.701451
ENSMUSG00000020193.4,Zpbp,protein_coding	0.32281	0.477135
ENSMUSG00000026411.18,Tmem9,protein_coding	0.32278	0.144904
ENSMUSG00000133149.1,ENSMUSG00000133149,lncRNA	0.32276	0.6144
ENSMUSG00000029718.15,Pcolce,protein_coding	0.32272	0.525653
ENSMUSG00000036103.10,Colec12,protein_coding	0.32247	0.243302
ENSMUSG00000118751.1,Gm26444,snRNA	0.32238	0.2762
ENSMUSG00000101860.5,Mindy4b-ps,protein_coding	0.32234	0.526466
ENSMUSG00000056665.3,Them6,protein_coding	0.32228	0.271742
ENSMUSG00000120361.2,Gm56889,lncRNA	0.32227	0.601739
ENSMUSG00000007029.17,Vars1,protein_coding	0.32214	0.549426
ENSMUSG00000108790.2,Gm44806,TEC	0.32201	0.41065

ENSMUSG00000063605.6,Ccdc102a,protein_coding	0.32197	0.490539
ENSMUSG00000024769.8,Cdc42bpg,protein_coding	0.32193	0.512096
ENSMUSG00000116114.4,Gm35853,lncRNA	0.32182	0.615077
ENSMUSG00000054723.7,Vmac,protein_coding	0.32167	0.163106
ENSMUSG00000085084.10,4930570G19Rik,lncRNA	0.32164	0.221547
ENSMUSG00000078235.4,Fam43b,protein_coding	0.32145	0.433581
ENSMUSG00000074575.5,Kcng1,protein_coding	0.3214	0.458965
ENSMUSG00000023009.15,Nckap5l,protein_coding	0.32139	0.259811
ENSMUSG00000104379.2,Gm37509,TEC	0.32136	0.259145
ENSMUSG00000024087.5,Cyp1b1,protein_coding	0.32119	0.580351
ENSMUSG00000018012.12,Rac3,protein_coding	0.32112	0.537274
ENSMUSG00000047371.8,Zfp768,protein_coding	0.3211	0.20627
ENSMUSG00000092819.3,Gm23639,snoRNA	0.32088	0.487918
ENSMUSG00000041219.16,Arhgap11a,protein_coding	0.32085	0.7659
ENSMUSG00000049436.6,Upk1b,protein_coding	0.32061	0.726184
ENSMUSG00000022848.9,Slc49a4,protein_coding	0.3204	0.120673
ENSMUSG00000027386.10,Fbln7,protein_coding	0.32033	0.406225
ENSMUSG00000025789.10,St8sia2,protein_coding	0.31994	0.48607
ENSMUSG00000067870.6,Rpl31-ps8,processed_pseudogene	0.3199	0.391221
ENSMUSG00000047115.16,Fam221a,protein_coding	0.31986	0.408197
ENSMUSG00000114961.3,A930002C04Rik,lncRNA	0.31972	0.644076
ENSMUSG00000020424.4,Castor1,protein_coding	0.31969	0.767092
ENSMUSG00000002963.18,Pnkp,protein_coding	0.31936	0.129724
ENSMUSG00000114169.2,Gm47075,TEC	0.31923	0.656973
ENSMUSG00000028463.15,Car9,protein_coding	0.31891	0.651991
ENSMUSG00000081208.2,Gm11400,processed_pseudogene	0.31872	0.601703
ENSMUSG00000112090.2,Gm48231,TEC	0.31869	0.356949
ENSMUSG00000045929.9,Gm20715,protein_coding	0.31862	0.554291
ENSMUSG00000133998.1,Gm14541,lncRNA	0.31859	0.724752
ENSMUSG00000105986.2,Gm43065,lncRNA	0.31841	0.640365
ENSMUSG00000114210.5,A330084C13Rik,lncRNA	0.31841	0.512838
ENSMUSG00000053279.9,Aldh1a1,protein_coding	0.31827	0.471288
ENSMUSG00000044367.8,Slc16a13,protein_coding	0.31821	0.330053
ENSMUSG00000019082.19,Slc25a22,protein_coding	0.31806	0.184738
ENSMUSG00000125206.1,ENSMUSG00000125206,lncRNA	0.31801	0.680608
ENSMUSG00000024818.16,Slc25a45,protein_coding	0.31784	0.665247
ENSMUSG00000065362.3,Gm24411,snoRNA	0.3177	0.636216
ENSMUSG00000103804.2,Gm37062,lncRNA	0.31751	0.465967
ENSMUSG00000033068.17,Entpd6,protein_coding	0.31719	0.177047
ENSMUSG00000066687.6,Zbtb16,protein_coding	0.31713	0.244542
ENSMUSG00000036748.17,Cuedc2,protein_coding	0.31696	0.244519
ENSMUSG00000020712.12,Tcam1,protein_coding	0.3166	0.805359
ENSMUSG00000029198.4,Grpel1,protein_coding	0.31653	0.133767
ENSMUSG00000101994.2,Gm18875,processed_pseudogene	0.31627	0.594833
ENSMUSG00000104063.2,Pcdhgb7,protein_coding	0.3161	0.320347
ENSMUSG00000041625.16,Ggact,protein_coding	0.31608	0.367771
ENSMUSG00000112150.2,9530018F02Rik,lncRNA	0.31608	0.4482
ENSMUSG00000024665.9,Fads2,protein_coding	0.31587	0.186385
ENSMUSG00000141422.1,ENSMUSG00000141422,lncRNA	0.31586	0.3331
ENSMUSG00000118087.4,4833438C02Rik,lncRNA	0.3158	0.711854
ENSMUSG00000103313.2,Gm38357,TEC	0.3157	0.316145
ENSMUSG00000049285.5,Mblac1,protein_coding	0.31567	0.499567

ENSMUSG00000001773.15,Folh1,protein_coding	0.3155	0.238439
ENSMUSG00000066607.6,Insyn1,protein_coding	0.31518	0.305172
ENSMUSG00000034681.18,Rnps1,protein_coding	0.31515	0.049196
ENSMUSG00000027198.17,Ext2,protein_coding	0.31513	0.052459
ENSMUSG00000015568.17,Lpl,protein_coding	0.31481	0.55401
ENSMUSG00000025227.15,Mfsd13a,protein_coding	0.31467	0.413532
ENSMUSG00000020782.19,Llgl2,protein_coding	0.31443	0.72048
ENSMUSG00000000282.13,Mnt,protein_coding	0.3143	0.071389
ENSMUSG00000017344.5,Vtn,protein_coding	0.31423	0.187008
ENSMUSG00000037570.17,Mcrs1,protein_coding	0.31414	0.167547
ENSMUSG00000031562.17,Dctd,protein_coding	0.31395	0.461865
ENSMUSG00000016194.15,Hsd11b1,protein_coding	0.31391	0.511763
ENSMUSG00000033066.18,Gas7,protein_coding	0.31391	0.207146
ENSMUSG00000036327.19,Qsox2,protein_coding	0.31382	0.023797
ENSMUSG00000050410.16,Tcf19,protein_coding	0.31376	0.616837
ENSMUSG00000039208.16,Metrnl,protein_coding	0.31358	0.370066
ENSMUSG00000051169.15,Rpusd3,protein_coding	0.31354	0.418083
ENSMUSG00000023980.8,Taf8,protein_coding	0.31305	0.164894
ENSMUSG00000029161.9,Cgref1,protein_coding	0.31293	0.53043
ENSMUSG00000030600.16,Lrfn1,protein_coding	0.31282	0.343917
ENSMUSG00000037089.12,Slc35b2,protein_coding	0.31229	0.230153
ENSMUSG00000029223.13,Uchl1,protein_coding	0.31225	0.413006
ENSMUSG00000038179.14,Slamf7,protein_coding	0.31221	0.836931
ENSMUSG00000045136.7,Tubb2b,protein_coding	0.31212	0.092221
ENSMUSG00000027447.7,Cst3,protein_coding	0.31197	0.261458
ENSMUSG00000024899.8,Papss2,protein_coding	0.31196	0.121106
ENSMUSG00000032602.7,Slc25a20,protein_coding	0.31131	0.218137
ENSMUSG00000028337.15,Coro2a,protein_coding	0.31128	0.253593
ENSMUSG00000024772.10,Ehd1,protein_coding	0.31121	0.195385
ENSMUSG00000020038.11,Cry1,protein_coding	0.31111	0.233928
ENSMUSG00000121879.2,Zfp862-ps,lncRNA	0.31108	0.138435
ENSMUSG00000021892.15,Sh3bp5,protein_coding	0.31106	0.131101
ENSMUSG00000006435.17,Neurl1a,protein_coding	0.31103	0.243738
ENSMUSG00000085795.9,Zfp703,protein_coding	0.31097	0.138935
ENSMUSG00000104010.2,Gm37366,TEC	0.31094	0.332403
ENSMUSG00000051238.7,Swsap1,protein_coding	0.3109	0.350962
ENSMUSG00000120789.2,Gm56686,lncRNA	0.31088	0.50319
ENSMUSG00000025153.10,Fasn,protein_coding	0.31081	0.184733
ENSMUSG00000075702.11,Selenom,protein_coding	0.31081	0.336013
ENSMUSG00000002308.17,Cd320,protein_coding	0.31043	0.333122
ENSMUSG00000107795.2,Gm44105,lncRNA	0.31039	0.526903
ENSMUSG00000118119.3,Gm9937,lncRNA	0.31036	0.720817
ENSMUSG00000064354.1,mt-Co2,protein_coding	0.31034	0.395181
ENSMUSG00000036928.15,Stag3,protein_coding	0.31026	0.53162
ENSMUSG00000026646.17,Suv39h2,protein_coding	0.31021	0.437204
ENSMUSG00000026749.12,Nek6,protein_coding	0.31017	0.143717
ENSMUSG00000081476.2,Itpa-ps1,processed_pseudogene	0.31013	0.517847
ENSMUSG00000134942.1,ENSMUSG00000134942,lncRNA	0.3101	0.666007
ENSMUSG00002074846.1,Vaultrc5,misc_RNA	0.31	0.390668
ENSMUSG00000113028.2,Gm18065,processed_pseudogene	0.30978	0.536488
ENSMUSG00000042804.14,Gpr153,protein_coding	0.30943	0.429712
ENSMUSG00000052629.8,Gm9885,lncRNA	0.30943	0.47739

ENSMUSG00000029204.8,Rhoh,protein_coding	0.30936	0.841709
ENSMUSG00000021541.15,Trpc7,protein_coding	0.30936	0.59295
ENSMUSG00000022508.6,Bcl6,protein_coding	0.30935	0.543946
ENSMUSG00000131673.1,ENSMUSG00000131673,lncRNA	0.30934	0.493748
ENSMUSG00000074384.5,AI429214,protein_coding	0.30932	0.238092
ENSMUSG00000091754.9,Gm3636,transcribed_unprocessed_pseudogene	0.30921	0.686952
ENSMUSG00000031430.9,Vsig1,protein_coding	0.3089	0.9163
ENSMUSG00000109010.3,Gm45027,lncRNA	0.30885	0.748745
ENSMUSG00000029103.17,Lrpap1,protein_coding	0.30868	0.135637
ENSMUSG00000107068.2,Gm42742,protein_coding	0.30856	0.578931
ENSMUSG00000045394.10,Epcam,protein_coding	0.30847	0.824472
ENSMUSG00000047534.18,Mis18bp1,protein_coding	0.30843	0.812874
ENSMUSG00000052684.6,Jun,protein_coding	0.30842	0.161258
ENSMUSG00000112790.2,Gm10777,TEC	0.3084	0.346002
ENSMUSG00000022528.9,Hes1,protein_coding	0.30816	0.27396
ENSMUSG00000104947.2,Gm43721,TEC	0.30806	0.519225
ENSMUSG00000078532.10,Nkain1,protein_coding	0.30803	0.393919
ENSMUSG00000115505.2,Gm9247,processed_pseudogene	0.30803	0.572352
ENSMUSG00000042750.8,Bex2,protein_coding	0.30799	0.280932
ENSMUSG00000026456.19,Cyb5r1,protein_coding	0.30789	0.426726
ENSMUSG00000042961.14,Egflam,protein_coding	0.30783	0.458206
ENSMUSG00000123393.1,ENSMUSG00000123393,lncRNA	0.3078	0.620698
ENSMUSG00000028295.15,Smim8,protein_coding	0.30779	0.353174
ENSMUSG00000120261.2,Gm57009,lncRNA	0.30761	0.491249
ENSMUSG00000031827.15,Cotl1,protein_coding	0.30754	0.332364
ENSMUSG00000072082.8,Ccnf,protein_coding	0.3075	0.547768
ENSMUSG00000097675.5,1700101I11Rik,lncRNA	0.30745	0.564633
ENSMUSG00000063065.14,Mapk3,protein_coding	0.30703	0.255327
ENSMUSG00000059689.16,Zfp637,protein_coding	0.30698	0.237269
ENSMUSG00000105753.2,Gm43847,lncRNA	0.30679	0.493565
ENSMUSG00000080921.5,Rpl38-ps2,processed_pseudogene	0.3067	0.627602
ENSMUSG00000002489.17,Tiam1,protein_coding	0.30662	0.251819
ENSMUSG00000003762.14,Coq8b,protein_coding	0.30654	0.259181
ENSMUSG00000031349.5,Nsdhl,protein_coding	0.30653	0.197968
ENSMUSG00000118668.1,Rps6ka4,protein_coding	0.30648	0.269806
ENSMUSG00000027306.16,Nusap1,protein_coding	0.3064	0.827857
ENSMUSG00000039194.17,Rlbp1,protein_coding	0.30639	0.436863
ENSMUSG00000079364.4,Gm3558,protein_coding	0.30629	0.593416
ENSMUSG00000130984.1,ENSMUSG00000130984,lncRNA	0.30616	0.472141
ENSMUSG00000115318.2,Gm49089,TEC	0.30602	0.516488
ENSMUSG00000105382.2,Gm43339,TEC	0.30602	0.242641
ENSMUSG00000020544.15,Cox11,protein_coding	0.30594	0.223045
ENSMUSG00000015474.17,Ppt2,protein_coding	0.30591	0.206798
ENSMUSG00000028391.17,Wdr31,protein_coding	0.30582	0.391997
ENSMUSG00000004709.15,Cd244a,protein_coding	0.30565	0.668464
ENSMUSG00000054910.7,4931415C17Rik,lncRNA	0.30519	0.504132
ENSMUSG00000028857.17,Tmem222,protein_coding	0.30504	0.243312
ENSMUSG00000034714.10,Ttyh2,protein_coding	0.30495	0.176924
ENSMUSG00000024132.7,Eci1,protein_coding	0.3049	0.293655
ENSMUSG00000042814.9,Mcts2,protein_coding	0.3048	0.301596
ENSMUSG00000017009.4,Sdc4,protein_coding	0.30466	0.262749
ENSMUSG00000107383.2,Gm4366,processed_pseudogene	0.30441	0.552829

ENSMUSG00000062743.10,Zfp677,protein_coding	0.304	0.609932
ENSMUSG00000000901.18,Mmp11,protein_coding	0.30396	0.519891
ENSMUSG00002075041.1,Gm56244,misc_RNA	0.3038	0.25024
ENSMUSG00000021265.4,Slc25a29,protein_coding	0.30377	0.313262
ENSMUSG00000042165.10,Adrm1b,protein_coding	0.30376	0.639678
ENSMUSG00000017943.16,Gdap1l1,protein_coding	0.30374	0.307991
ENSMUSG00000138516.1,ENSMUSG00000138516,lncRNA	0.30365	0.712512
ENSMUSG00000123158.1,ENSMUSG00000123158,lncRNA	0.30351	0.570744
ENSMUSG00000140331.1,Gm19439,lncRNA	0.30321	0.625903
ENSMUSG00000015980.15,Lrrc27,protein_coding	0.30315	0.360767
ENSMUSG00000117063.3,Gm49936,lncRNA	0.30313	0.513463
ENSMUSG00000042677.8,Zc3h12a,protein_coding	0.30309	0.773789
ENSMUSG00000054986.14,Sec14l3,protein_coding	0.30304	0.778474
ENSMUSG00000017817.12,Jph2,protein_coding	0.30294	0.65597
ENSMUSG00000048355.3,Arxes1,protein_coding	0.30292	0.291723
ENSMUSG00000085347.4,Hk1os,lncRNA	0.30275	0.614719
ENSMUSG00000039787.14,Cercam,protein_coding	0.30274	0.445489
ENSMUSG00000111422.3,1700027J07Rik,lncRNA	0.30267	0.912032
ENSMUSG00000105896.2,Gm43311,TEC	0.30263	0.545268
ENSMUSG00000029603.16,Dtx1,protein_coding	0.30259	0.280004
ENSMUSG00000028128.14,F3,protein_coding	0.30236	0.163221
ENSMUSG00000038777.20,Sema6c,protein_coding	0.30228	0.302039
ENSMUSG00000027574.16,Nkain4,protein_coding	0.3022	0.409057
ENSMUSG00000016552.14,Foxred2,protein_coding	0.30199	0.19723
ENSMUSG00000095098.3,Ccdc85b,protein_coding	0.30193	0.158595
ENSMUSG00000137576.1,ENSMUSG00000137576,lncRNA	0.30158	0.742552
ENSMUSG00000025538.16,Sumf2,protein_coding	0.30157	0.211969
ENSMUSG00000039911.14,Spsb1,protein_coding	0.30146	0.246067
ENSMUSG00000069300.4,H2bc11,protein_coding	0.30144	0.83779
ENSMUSG00000115772.2,Gm48935,lncRNA	0.30143	0.662263
ENSMUSG00000061046.10,Haghl,protein_coding	0.30113	0.193344
ENSMUSG00000089255.3,Snora78,snoRNA	0.30102	0.361575
ENSMUSG00000088088.2,Rmrp,ribozyme	0.3009	0.278886
ENSMUSG00000019732.15,Calr3,protein_coding	0.30087	0.672539
ENSMUSG00000137809.1,ENSMUSG00000137809,lncRNA	0.30061	0.523998
ENSMUSG00000040441.13,Slc26a10,protein_coding	0.30058	0.628707
ENSMUSG00000026458.14,Ppfia4,protein_coding	0.30057	0.29523
ENSMUSG00000030602.14,Pak4,protein_coding	0.30041	0.208604
ENSMUSG00000030588.13,Yif1b,protein_coding	0.30024	0.411577
ENSMUSG00000030259.13,Rassf8,protein_coding	0.30008	0.166551
ENSMUSG00000023990.19,Tfeb,protein_coding	0.29999	0.469523
ENSMUSG00000029360.4,Gm9754,lncRNA	0.29984	0.543768
ENSMUSG00000004415.16,Col26a1,protein_coding	0.29981	0.408222
ENSMUSG00000109401.2,Cpeb1os1,TEC	0.2997	0.500348
ENSMUSG00000039372.6,Marchf4,protein_coding	0.29969	0.229408
ENSMUSG00000040740.8,Slc25a34,protein_coding	0.29956	0.488061
ENSMUSG00000046691.15,Chtf8,protein_coding	0.29954	0.079225
ENSMUSG00000037843.7,Vstm2l,protein_coding	0.2994	0.549461
ENSMUSG00002076174.1,Gm55763,misc_RNA	0.29926	0.682628
ENSMUSG00000025509.16,Pnpla2,protein_coding	0.29925	0.46044
ENSMUSG00000107178.2,Gm42531,lncRNA	0.29917	0.53852
ENSMUSG00000049904.8,Tmem17,protein_coding	0.29907	0.515614

ENSMUSG00000085782.3,Gm15624,lncRNA	0.29905	0.468118
ENSMUSG00000022122.16,Ednrb,protein_coding	0.29899	0.208294
ENSMUSG00000120908.2,Gm39283,lncRNA	0.29893	0.624573
ENSMUSG00000016756.18,Cmah,protein_coding	0.29892	0.759795
ENSMUSG00000139101.1,ENSMUSG00000139101,lncRNA	0.29875	0.566028
ENSMUSG00000052951.7,C130021I20Rik,lncRNA	0.29873	0.809758
ENSMUSG00000032586.10,Traip,protein_coding	0.29872	0.413004
ENSMUSG00000028957.13,Per3,protein_coding	0.29859	0.087151
ENSMUSG00000024526.10,Cidea,protein_coding	0.29858	0.620944
ENSMUSG00000078249.6,Hmga1b,protein_coding	0.29847	0.481789
ENSMUSG00000109416.2,Gm44863,TEC	0.29845	0.465242
ENSMUSG00000026779.7,Mastl,protein_coding	0.29837	0.715025
ENSMUSG00000103539.2,Gm37834,TEC	0.29836	0.525282
ENSMUSG00000042078.15,Svop,protein_coding	0.29804	0.32933
ENSMUSG00000029790.17,Cep41,protein_coding	0.29798	0.245218
ENSMUSG00000021256.6,Vash1,protein_coding	0.29769	0.19092
ENSMUSG00000039680.11,Mrps6,protein_coding	0.29768	0.322911
ENSMUSG00000064427.3,Gm22748,snoRNA	0.29767	0.445736
ENSMUSG00000101224.3,Gm28209,lncRNA	0.29755	0.603362
ENSMUSG00000040563.14,Plppr2,protein_coding	0.29752	0.365933
ENSMUSG00000044197.9,Gpr146,protein_coding	0.29729	0.109753
ENSMUSG00000128324.1,ENSMUSG00000128324,lncRNA	0.29718	0.534846
ENSMUSG00002075983.1,Gm54611,miRNA	0.29702	0.473225
ENSMUSG00000029778.13,Adcyap1r1,protein_coding	0.297	0.225962
ENSMUSG00000025934.16,Gsta3,protein_coding	0.29681	0.541636
ENSMUSG00000127033.1,ENSMUSG00000127033,lncRNA	0.29664	0.589004
ENSMUSG00000069763.4,Tmem100,protein_coding	0.29663	0.36952
ENSMUSG00000022519.15,Srl,protein_coding	0.29657	0.13517
ENSMUSG00000107620.2,2700052C19Rik,TEC	0.29654	0.600896
ENSMUSG00000000031.20,H19,lncRNA	0.29636	0.728232
ENSMUSG00000049482.17,Ctu2,protein_coding	0.29635	0.315958
ENSMUSG00000040747.10,Cd53,protein_coding	0.29617	0.80285
ENSMUSG00000138390.1,ENSMUSG00000138390,lncRNA	0.29608	0.580929
ENSMUSG00000049625.7,Tifab,protein_coding	0.29592	0.581712
ENSMUSG00000015843.11,Rxrg,protein_coding	0.29592	0.677583
ENSMUSG00000040084.10,Bub1b,protein_coding	0.29587	0.873173
ENSMUSG00000039954.10,Stk32a,protein_coding	0.29577	0.235102
ENSMUSG00000066438.7,Plekhd1,protein_coding	0.29575	0.505111
ENSMUSG00000033209.18,Ttc28,protein_coding	0.29571	0.211365
ENSMUSG00000040435.13,Ppp1r15a,protein_coding	0.29531	0.264801
ENSMUSG00000060038.15,Dhps,protein_coding	0.29526	0.345307
ENSMUSG00000044165.13,Bcl2l15,protein_coding	0.29524	0.718506
ENSMUSG00000087266.4,Gm15991,lncRNA	0.29511	0.570366
ENSMUSG00000110016.3,Gm20751,lncRNA	0.29483	0.561581
ENSMUSG00000105112.2,Gm42778,TEC	0.29472	0.499425
ENSMUSG00000029185.15,Fam114a1,protein_coding	0.29452	0.277566
ENSMUSG00000058145.17,Adamts17,protein_coding	0.29449	0.412654
ENSMUSG00000105263.2,Gm42427,TEC	0.2944	0.796811
ENSMUSG00000025020.12,Slit1,protein_coding	0.29435	0.533104
ENSMUSG00000025582.5,Nptx1,protein_coding	0.29432	0.368988
ENSMUSG00000016520.8,Lnx2,protein_coding	0.2943	0.504679
ENSMUSG00000036560.15,Lgi4,protein_coding	0.29428	0.218085

ENSMUSG00000042401.9,Crtac1,protein_coding	0.29414	0.371153
ENSMUSG00000098715.7,Gm28053,protein_coding	0.29381	0.884162
ENSMUSG00000119346.1,Gm23151,snRNA	0.29378	0.762824
ENSMUSG00000041837.5,Pdcd7,protein_coding	0.29368	0.197097
ENSMUSG00000040964.17,Arhgef10l,protein_coding	0.29363	0.292672
ENSMUSG00000027661.5,Slc2a10,protein_coding	0.29338	0.528693
ENSMUSG00000026188.12,Tmem169,protein_coding	0.29333	0.200224
ENSMUSG00000016239.12,Lonrf3,protein_coding	0.29329	0.281626
ENSMUSG00000111874.3,Gm36539,lncRNA	0.29327	0.658784
ENSMUSG00000103784.2,Gm37526,TEC	0.29321	0.775395
ENSMUSG00000002341.9,Ncan,protein_coding	0.29315	0.334232
ENSMUSG00000120254.2,Gm32960,lncRNA	0.2931	0.635256
ENSMUSG00002076675.1,Gm56334,misc_RNA	0.293	0.644598
ENSMUSG00000071317.5,Bves,protein_coding	0.29289	0.550785
ENSMUSG00000109216.2,Gm44907,TEC	0.2928	0.534006
ENSMUSG00000031546.7,Gins4,protein_coding	0.29277	0.121273
ENSMUSG00000118008.3,Gm36913,lncRNA	0.29271	0.488007
ENSMUSG00000028167.16,Bdh2,protein_coding	0.29255	0.552756
ENSMUSG00000101450.2,Gm28941,lncRNA	0.29239	0.28811
ENSMUSG00000038128.8,Camk4,protein_coding	0.29231	0.372281
ENSMUSG00000020801.9,Med31,protein_coding	0.29229	0.430081
ENSMUSG00000026443.4,Lrrn2,protein_coding	0.29217	0.290547
ENSMUSG00000025491.15,Ifitm1,protein_coding	0.29213	0.693183
ENSMUSG00000115219.3,Eef1akmt4,protein_coding	0.29204	0.7157
ENSMUSG00000029720.10,Gm20605,protein_coding	0.29196	0.683057
ENSMUSG00000027612.8,Mmp24,protein_coding	0.29193	0.416394
ENSMUSG00000028967.11,Errfi1,protein_coding	0.29191	0.322792
ENSMUSG00000043895.7,S1pr2,protein_coding	0.2919	0.821326
ENSMUSG00000096917.5,2500002B13Rik,lncRNA	0.2919	0.461653
ENSMUSG00000141779.1,ENSMUSG00000141779,lncRNA	0.29183	0.547135
ENSMUSG00000001520.13,Nrip2,protein_coding	0.2918	0.463812
ENSMUSG00000042694.18,Stn1,protein_coding	0.29172	0.334212
ENSMUSG00000139549.1,ENSMUSG00000139549,lncRNA	0.29166	0.494077
ENSMUSG00000143377.1,ENSMUSG00000143377,lncRNA	0.29164	0.485867
ENSMUSG00000091020.4,Gm5828,processed_pseudogene	0.29158	0.639693
ENSMUSG00000129672.1,ENSMUSG00000129672,lncRNA	0.29149	0.522546
ENSMUSG00000143801.1,ENSMUSG00000143801,lncRNA	0.29147	0.506405
ENSMUSG00000024008.17,Cpne5,protein_coding	0.29136	0.507014
ENSMUSG00000005087.18,Cd44,protein_coding	0.29132	0.64849
ENSMUSG00000040345.11,Arhgap9,protein_coding	0.29125	0.826778
ENSMUSG00000030341.18,Tnfrsf1a,protein_coding	0.29115	0.382859
ENSMUSG00000047632.12,Fgfbp3,protein_coding	0.29098	0.39131
ENSMUSG00000048755.10,Mcat,protein_coding	0.29091	0.202087
ENSMUSG00000037681.14,Esyt3,protein_coding	0.29075	0.66762
ENSMUSG00000020682.18,Mmp28,protein_coding	0.29049	0.514516
ENSMUSG00000058454.16,Dhcr7,protein_coding	0.29009	0.204997
ENSMUSG00000031168.15,Ebp,protein_coding	0.29006	0.272651
ENSMUSG00000019428.17,Fkbp8,protein_coding	0.2899	0.267754
ENSMUSG00000037610.17,Kcnmb2,protein_coding	0.28963	0.323491
ENSMUSG00000109222.2,Gm10297,processed_pseudogene	0.28951	0.582066
ENSMUSG00000060376.8,Bckdha,protein_coding	0.28946	0.266638
ENSMUSG00000098702.3,1500015A07Rik,lncRNA	0.28946	0.397164

ENSMUSG00000034936.3,Arl4d,protein_coding	0.2893	0.450421
ENSMUSG00000022787.11,Wdr53,protein_coding	0.28917	0.28236
ENSMUSG00000122922.1,ENSMUSG00000122922,lncRNA	0.28906	0.752009
ENSMUSG00000015314.11,Slamf6,protein_coding	0.28896	0.860278
ENSMUSG00000034145.15,Tmem63c,protein_coding	0.28877	0.326644
ENSMUSG00000050973.12,Gdpgp1,protein_coding	0.28861	0.194486
ENSMUSG00000119278.1,Gm23092,snRNA	0.28851	0.674249
ENSMUSG00000004849.15,Ap1s1,protein_coding	0.28847	0.348229
ENSMUSG00000135265.1,ENSMUSG00000135265,lncRNA	0.28829	0.776576
ENSMUSG00000001128.8,Cfp,protein_coding	0.28826	0.444227
ENSMUSG00000105586.2,Gm43009,TEC	0.28813	0.324354
ENSMUSG00000107085.2,Gm42883,processed_pseudogene	0.28791	0.619058
ENSMUSG00000098374.2,Gm28043,protein_coding	0.28786	0.165842
ENSMUSG00000027488.13,Snta1,protein_coding	0.28772	0.181843
ENSMUSG00000137201.1,ENSMUSG00000137201,lncRNA	0.28769	0.590561
ENSMUSG00000027208.15,Fgf7,protein_coding	0.28733	0.664465
ENSMUSG00000032348.7,Gsta4,protein_coding	0.28723	0.353936
ENSMUSG00000026170.7,Cyp27a1,protein_coding	0.2871	0.419903
ENSMUSG00000025743.15,Sdc3,protein_coding	0.28706	0.226397
ENSMUSG00000121502.2,Zfp939,lncRNA	0.2869	0.283049
ENSMUSG00000047227.6,Gm527,protein_coding	0.28678	0.311194
ENSMUSG00000007476.19,Lrrc8a,protein_coding	0.28678	0.21754
ENSMUSG00000130134.1,ENSMUSG00000130134,lncRNA	0.28653	0.640266
ENSMUSG00000125992.1,ENSMUSG00000125992,lncRNA	0.28653	0.543737
ENSMUSG00000104046.2,Gm37567,TEC	0.28649	0.791452
ENSMUSG00000136315.1,ENSMUSG00000136315,lncRNA	0.28646	0.638946
ENSMUSG00000075012.5,Fjx1,protein_coding	0.28642	0.319444
ENSMUSG00000060244.3,Alyref2,protein_coding	0.28637	0.484231
ENSMUSG00000024352.13,Spata24,protein_coding	0.28619	0.563963
ENSMUSG00000058586.13,Serhl,protein_coding	0.28601	0.585257
ENSMUSG00000019894.15,Slc6a15,protein_coding	0.2857	0.176426
ENSMUSG00000070858.13,Nicol1,protein_coding	0.28543	0.657013
ENSMUSG00000081999.4,Gm13461,transcribed_processed_pseudogene	0.28502	0.679125
ENSMUSG00000047875.7,Gpr157,protein_coding	0.28495	0.556996
ENSMUSG00000041120.7,Nbl1,protein_coding	0.28493	0.273728
ENSMUSG00000119751.1,Gm22510,snoRNA	0.28438	0.63105
ENSMUSG00000119357.1,Gm26390,snoRNA	0.28438	0.63105
ENSMUSG00000119316.1,Gm26336,snoRNA	0.28438	0.63105
ENSMUSG00000100005.10,B130024G19Rik,lncRNA	0.28436	0.469424
ENSMUSG00000065725.3,Gm26165,snoRNA	0.28427	0.497039
ENSMUSG00000074771.11,Ankef1,protein_coding	0.28405	0.616933
ENSMUSG00000028461.13,Ccdc107,protein_coding	0.28403	0.159076
ENSMUSG00000000489.8,Pdgfb,protein_coding	0.28393	0.292094
ENSMUSG00000001435.16,Col18a1,protein_coding	0.28385	0.548488
ENSMUSG00000024158.18,Hagh,protein_coding	0.28382	0.31824
ENSMUSG00000045777.15,Ifitm10,protein_coding	0.28378	0.427913
ENSMUSG00000104761.2,Gm43511,TEC	0.28373	0.44139
ENSMUSG00000036856.5,Wnt4,protein_coding	0.2834	0.417566
ENSMUSG00000029810.16,Tmem176b,protein_coding	0.28338	0.313967
ENSMUSG00000098120.3,Gm5914,lncRNA	0.28336	0.61066
ENSMUSG00000107439.3,Gm45060,lncRNA	0.28335	0.688694
ENSMUSG00000058290.5,Espl1,protein_coding	0.28322	0.789158

ENSMUSG00000095597.4,Rps7-ps3,transcribed_processed_pseudogene	0.2831	0.452715
ENSMUSG00000118864.1,Gm25679,snRNA	0.28306	0.354099
ENSMUSG00000119670.1,Gm24305,snRNA	0.28306	0.354099
ENSMUSG00000119206.1,Gm22317,snRNA	0.28306	0.354099
ENSMUSG00000004610.5,Etfb,protein_coding	0.28281	0.430894
ENSMUSG00000003531.16,Dgcr6,protein_coding	0.28279	0.321766
ENSMUSG00000086040.9,Wipf3,protein_coding	0.28247	0.334604
ENSMUSG00000113067.2,Gm47166,TEC	0.28229	0.404616
ENSMUSG00000013275.10,Slc41a1,protein_coding	0.28224	0.054486
ENSMUSG00000019942.14,Cdk1,protein_coding	0.28217	0.850713
ENSMUSG00000102771.2,Gm33320,TEC	0.28201	0.622451
ENSMUSG00000032281.12,Acsbg1,protein_coding	0.28198	0.163075
ENSMUSG00000007872.4,Id3,protein_coding	0.28181	0.307889
ENSMUSG00000029027.10,Dffb,protein_coding	0.28174	0.248898
ENSMUSG00000046093.10,Hpcal4,protein_coding	0.28171	0.488793
ENSMUSG00000064682.3,Gm25813,snRNA	0.28161	0.717042
ENSMUSG00000084950.9,Gm5577,lncRNA	0.2816	0.497453
ENSMUSG00000084883.3,Ccdc85c,protein_coding	0.28127	0.225076
ENSMUSG00000035021.15,Baz1a,protein_coding	0.28125	0.837554
ENSMUSG00000047434.15,Xxylt1,protein_coding	0.28113	0.256503
ENSMUSG00000123279.1,ENSMUSG00000123279,lncRNA	0.28111	0.800788
ENSMUSG00000030342.9,Cd9,protein_coding	0.28109	0.240999
ENSMUSG00000050240.17,Hic2,protein_coding	0.281	0.188426
ENSMUSG00000028700.15,Pomgnt1,protein_coding	0.28092	0.211929
ENSMUSG00000109165.2,Gm45148,lncRNA	0.28085	0.49875
ENSMUSG00000062480.13,Acat3,protein_coding	0.28031	0.483128
ENSMUSG00000041119.13,Pde9a,protein_coding	0.28013	0.273699
ENSMUSG00000059883.17,Irak4,protein_coding	0.27996	0.701575
ENSMUSG00000121215.2,Gm57464,lncRNA	0.27988	0.702404
ENSMUSG00000051256.11,Jagn1,protein_coding	0.27981	0.149615
ENSMUSG00000021763.19,Cspg4b,protein_coding	0.27977	0.550177
ENSMUSG00000135460.1,ENSMUSG00000135460,lncRNA	0.27947	0.335795
ENSMUSG00000064247.15,Plcxd1,protein_coding	0.27942	0.533915
ENSMUSG00000107624.2,Gm44005,TEC	0.27916	0.353162
ENSMUSG00000010505.17,Myt1,protein_coding	0.27908	0.378679
ENSMUSG00000020548.13,1700086D15Rik,lncRNA	0.27903	0.496633
ENSMUSG00000063430.10,Wscd2,protein_coding	0.27882	0.490052
ENSMUSG00000044067.8,Gpr22,protein_coding	0.27882	0.440775
ENSMUSG00000074213.4,Gm10642,lncRNA	0.27848	0.568045
ENSMUSG00000004270.14,Lpcat3,protein_coding	0.2781	0.377925
ENSMUSG00000021904.7,Sema3g,protein_coding	0.27803	0.337715
ENSMUSG00000000958.11,Slc7a7,protein_coding	0.27794	0.867758
ENSMUSG00000002908.19,Kcnn1,protein_coding	0.27785	0.39871
ENSMUSG00000037730.14,Mynn,protein_coding	0.27749	0.18366
ENSMUSG00000110540.2,Gm45743,TEC	0.27735	0.509965
ENSMUSG00000031875.8,Cmtm3,protein_coding	0.27714	0.438798
ENSMUSG00000009406.14,Elk1,protein_coding	0.27697	0.159161
ENSMUSG00000022389.16,Tef,protein_coding	0.27695	0.24717
ENSMUSG00000036502.15,Tmem255a,protein_coding	0.27694	0.322929
ENSMUSG00000027381.18,Bcl2l11,protein_coding	0.27692	0.807477
ENSMUSG00000103422.2,Gm37536,TEC	0.27692	0.492597
ENSMUSG00000081406.5,Rps6-ps4,processed_pseudogene	0.27677	0.588526

ENSMUSG00000040811.16,Eml2,protein_coding	0.27664	0.35952
ENSMUSG00000046721.12,Rpl14-ps1,processed_pseudogene	0.27653	0.508249
ENSMUSG00000029419.9,Ajm1,protein_coding	0.27646	0.302467
ENSMUSG00000031766.5,Slc12a3,protein_coding	0.2764	0.639044
ENSMUSG00000039519.7,Cyp7b1,protein_coding	0.27628	0.320895
ENSMUSG00000061859.18,Patj,protein_coding	0.27624	0.484248
ENSMUSG00000019235.10,Rps6kl1,protein_coding	0.27596	0.385664
ENSMUSG00000073295.5,Nudt11,protein_coding	0.27588	0.237776
ENSMUSG00000025218.7,Poll,protein_coding	0.27581	0.456386
ENSMUSG00000080893.2,Ndufa12-ps,processed_pseudogene	0.27577	0.305645
ENSMUSG00000020591.12,Ntsr2,protein_coding	0.27556	0.217231
ENSMUSG00000025993.11,Slc40a1,protein_coding	0.27554	0.362304
ENSMUSG00000035713.16,Usp35,protein_coding	0.27541	0.219581
ENSMUSG00000030847.9,Bag3,protein_coding	0.27494	0.473752
ENSMUSG00000007817.16,Zmiz1,protein_coding	0.27488	0.221841
ENSMUSG00000049287.6,Iba57,protein_coding	0.27482	0.325983
ENSMUSG00000097626.8,4921504A21Rik,lncRNA	0.27479	0.278748
ENSMUSG00000030970.17,Ctbp2,protein_coding	0.27476	0.355602
ENSMUSG00000018581.16,Dnah11,protein_coding	0.27472	0.606468
ENSMUSG00000135752.1,ENSMUSG00000135752,lncRNA	0.27471	0.607587
ENSMUSG00000033768.18,Nrxn2,protein_coding	0.27464	0.273577
ENSMUSG00000028159.15,Dapp1,protein_coding	0.27458	0.694066
ENSMUSG00000077704.3,Snord89,snoRNA	0.27458	0.471341
ENSMUSG00000021624.10,Cd180,protein_coding	0.27446	0.823049
ENSMUSG00000037656.10,Slc20a2,protein_coding	0.27422	0.186496
ENSMUSG00000031429.15,Psmd10,protein_coding	0.27406	0.236739
ENSMUSG00000020893.18,Per1,protein_coding	0.27403	0.22381
ENSMUSG00000085321.3,4930412F09Rik,lncRNA	0.27391	0.641428
ENSMUSG00000015337.6,Endog,protein_coding	0.27378	0.454622
ENSMUSG00000057863.7,Rpl36,protein_coding	0.27363	0.604185
ENSMUSG00000043510.13,Hscb,protein_coding	0.27363	0.639523
ENSMUSG00000039849.7,Pcif1,protein_coding	0.27343	0.25475
ENSMUSG00000030786.19,Itgam,protein_coding	0.27338	0.485021
ENSMUSG00000030659.15,Nucb2,protein_coding	0.27336	0.268587
ENSMUSG00000120419.2,Gm57270,lncRNA	0.27295	0.528727
ENSMUSG00000118340.3,Gm50301,lncRNA	0.27293	0.796691
ENSMUSG00000068329.13,Htra2,protein_coding	0.2729	0.266949
ENSMUSG00000020061.19,Mybpc1,protein_coding	0.2728	0.638525
ENSMUSG00000003469.10,Phyhip,protein_coding	0.27273	0.364144
ENSMUSG00000093402.2,Gm18588,processed_pseudogene	0.27268	0.628332
ENSMUSG00000041594.19,Tmtc4,protein_coding	0.27263	0.29534
ENSMUSG00000024301.11,Kifc5b,protein_coding	0.27242	0.611974
ENSMUSG00000030145.15,Zfp248,protein_coding	0.27238	0.199075
ENSMUSG00000120596.2,Gm57203,lncRNA	0.27237	0.726741
ENSMUSG00000003153.11,Slc2a3,protein_coding	0.27236	0.191934
ENSMUSG00000030539.14,Sema4b,protein_coding	0.27236	0.246423
ENSMUSG00000110195.3,Pde2a,protein_coding	0.27228	0.465241
ENSMUSG00000068551.13,Zfp467,protein_coding	0.2722	0.308323
ENSMUSG00000024191.16,Bnip1,protein_coding	0.2722	0.189905
ENSMUSG00000102267.2,9530003O04Rik,TEC	0.27176	0.632821
ENSMUSG00000021900.11,Btd,protein_coding	0.27163	0.347096
ENSMUSG00000121572.1,ENSMUSG00000121572,protein_coding	0.27149	0.902783

ENSMUSG00000103703.3,Gm42568,TEC	0.27136	0.526559
ENSMUSG00000027173.8,Depdc7,protein_coding	0.27132	0.655876
ENSMUSG00000102729.2,Gm32444,TEC	0.27129	0.488093
ENSMUSG00000032495.9,Lrrc2,protein_coding	0.27128	0.618925
ENSMUSG00000040511.15,Pvr,protein_coding	0.27111	0.250465
ENSMUSG00002076161.1,Rn7sk,misc_RNA	0.27086	0.103662
ENSMUSG00000005699.17,Pard6a,protein_coding	0.27086	0.360679
ENSMUSG00000050390.13,Nhsl3,protein_coding	0.27075	0.221283
ENSMUSG00000039747.12,Orai2,protein_coding	0.27042	0.1701
ENSMUSG00000087132.11,A930001C03Rik,lncRNA	0.2703	0.606815
ENSMUSG00000014243.6,Zswim7,protein_coding	0.27029	0.480415
ENSMUSG00000070942.9,Il1rl2,protein_coding	0.27029	0.686613
ENSMUSG00000041801.6,Phlda3,protein_coding	0.27028	0.530876
ENSMUSG00000035278.10,Plekhj1,protein_coding	0.27018	0.293444
ENSMUSG00000091686.3,4930471C04Rik,lncRNA	0.27015	0.68805
ENSMUSG00000063434.7,Sorcs3,protein_coding	0.27002	0.322191
ENSMUSG00000020388.13,Pdlim4,protein_coding	0.26994	0.382427
ENSMUSG00000051098.7,Mblac2,protein_coding	0.26979	0.345253
ENSMUSG00000050138.9,Kcnk12,protein_coding	0.26954	0.48148
ENSMUSG00000031502.12,Col4a1,protein_coding	0.26946	0.204031
ENSMUSG00000084808.9,9430091E24Rik,lncRNA	0.26926	0.571188
ENSMUSG00000042761.15,Mrap2,protein_coding	0.26918	0.649182
ENSMUSG00000090698.3,Apold1,protein_coding	0.26892	0.64153
ENSMUSG00000029346.13,Srrd,protein_coding	0.26887	0.360603
ENSMUSG00000044164.3,Rnf182,protein_coding	0.26886	0.524179
ENSMUSG00000026831.17,Pierce1,protein_coding	0.26883	0.675742
ENSMUSG00000027568.10,Ntsr1,protein_coding	0.26881	0.602672
ENSMUSG00000111421.2,Gm47643,TEC	0.26836	0.743728
ENSMUSG00000043687.17,1190005I06Rik,protein_coding	0.26833	0.619452
ENSMUSG00000120435.2,Gm57275,lncRNA	0.26816	0.737715
ENSMUSG00000102568.2,Gm37040,TEC	0.26815	0.79213
ENSMUSG00000039715.9,Dync2i2,protein_coding	0.26811	0.427183
ENSMUSG00000120681.2,2610029K11Rik,lncRNA	0.26811	0.362538
ENSMUSG00000108376.2,Gm44874,TEC	0.26799	0.600503
ENSMUSG00000034412.14,Tbc1d10a,protein_coding	0.26788	0.379387
ENSMUSG00000030801.11,Kat8,protein_coding	0.26788	0.202346
ENSMUSG00000052336.9,Cx3cr1,protein_coding	0.26786	0.309235
ENSMUSG00000039741.17,Bahcc1,protein_coding	0.26779	0.264594
ENSMUSG00000002059.19,Rab34,protein_coding	0.26758	0.328235
ENSMUSG00000008036.12,Ap2s1,protein_coding	0.26755	0.268711
ENSMUSG00000031841.20,Cdh13,protein_coding	0.26724	0.397334
ENSMUSG00000109735.2,Gm45667,TEC	0.26687	0.730815
ENSMUSG00000084792.3,1700056N10Rik,lncRNA	0.26675	0.55998
ENSMUSG00000100671.2,Gm28322,lncRNA	0.26674	0.841293
ENSMUSG00000021125.7,Arg2,protein_coding	0.26665	0.654575
ENSMUSG00000043614.14,Vps37d,protein_coding	0.26662	0.457914
ENSMUSG00000042073.16,Abhd14b,protein_coding	0.26662	0.394482
ENSMUSG00000073590.5,3222401L13Rik,lncRNA	0.26656	0.544128
ENSMUSG00000005413.9,Hmox1,protein_coding	0.26653	0.703928
ENSMUSG00000054717.8,Hmgb2,protein_coding	0.26653	0.846851
ENSMUSG00000039891.7,Txlnb,protein_coding	0.26652	0.506456
ENSMUSG00000047669.9,Msl3l2,protein_coding	0.26645	0.395197

ENSMUSG00000125058.1,ENSMUSG00000125058,lncRNA	0.26644	0.560327
ENSMUSG00000044339.13,Alkbh2,protein_coding	0.26635	0.563724
ENSMUSG00000034424.6,Gcsh,protein_coding	0.26627	0.221492
ENSMUSG00000003526.13,Prodh,protein_coding	0.26622	0.209933
ENSMUSG00000022836.12,Mylk,protein_coding	0.26621	0.160611
ENSMUSG00000029512.12,Ulk1,protein_coding	0.2662	0.13348
ENSMUSG00000013698.13,Pea15a,protein_coding	0.26619	0.122058
ENSMUSG00000095730.4,Vmn2r29,protein_coding	0.26593	0.657063
ENSMUSG00000049872.9,Calhm5,protein_coding	0.26584	0.487558
ENSMUSG00000112054.3,Gm33680,lncRNA	0.26569	0.423628
ENSMUSG00000066191.13,Anks6,protein_coding	0.26549	0.424312
ENSMUSG00002074964.1,Gm54402,misc_RNA	0.26538	0.638331
ENSMUSG00000024160.18,Spsb3,protein_coding	0.26537	0.302804
ENSMUSG00000111312.2,Gm47205,TEC	0.26536	0.651399
ENSMUSG00000034872.7,Gipc3,protein_coding	0.26527	0.684045
ENSMUSG00000002661.15,Alkbh7,protein_coding	0.26526	0.485179
ENSMUSG00000030037.10,Mrpl53,protein_coding	0.26523	0.196728
ENSMUSG00000033083.17,Tbc1d4,protein_coding	0.26519	0.462874
ENSMUSG00000020654.16,Adcy3,protein_coding	0.26517	0.388631
ENSMUSG00000120101.2,Gm56842,lncRNA	0.26517	0.637031
ENSMUSG00000097324.11,Carmn,lncRNA	0.26497	0.420394
ENSMUSG00000111003.2,Gm47122,TEC	0.26487	0.754645
ENSMUSG00000029641.10,Rasl11a,protein_coding	0.26481	0.553481
ENSMUSG00000032377.9,Plscr4,protein_coding	0.26479	0.517519
ENSMUSG00000038393.15,Txnip,protein_coding	0.26473	0.748919
ENSMUSG00000105470.2,Gm42589,TEC	0.26467	0.573811
ENSMUSG00000120470.2,Gm56641,lncRNA	0.26454	0.823645
ENSMUSG00000135019.1,ENSMUSG00000135019,lncRNA	0.26439	0.55649
ENSMUSG00000022212.16,Cpne6,protein_coding	0.26429	0.509398
ENSMUSG00000140515.1,ENSMUSG00000140515,lncRNA	0.26427	0.514036
ENSMUSG00000020175.16,Rab36,protein_coding	0.26416	0.438663
ENSMUSG00000026701.16,Prdx6,protein_coding	0.26406	0.098818
ENSMUSG00000017778.15,Cox7c,protein_coding	0.26402	0.43864
ENSMUSG00000116290.3,Gm49518,lncRNA	0.26397	0.608444
ENSMUSG00000123602.1,ENSMUSG00000123602,lncRNA	0.26391	0.475022
ENSMUSG00000034473.15,Sec22a,protein_coding	0.2639	0.171869
ENSMUSG00000100210.3,H3c7,protein_coding	0.26378	0.784518
ENSMUSG00000007589.10,Tinf2,protein_coding	0.26352	0.489778
ENSMUSG00000120224.2,2810001A02Rik,lncRNA	0.26351	0.57109
ENSMUSG00000077221.3,Snord67,snoRNA	0.26349	0.54919
ENSMUSG00000120099.1,Gm57107,lncRNA	0.26318	0.599081
ENSMUSG00000028039.12,Efna3,protein_coding	0.26317	0.488476
ENSMUSG00000097057.2,Gm17638,lncRNA	0.26311	0.7264
ENSMUSG00000002668.9,Dennd1c,protein_coding	0.26305	0.795529
ENSMUSG00000116590.3,Gm53028,lncRNA	0.26301	0.663705
ENSMUSG00000040055.10,Gjb6,protein_coding	0.26281	0.280385
ENSMUSG00000032125.22,Robo4,protein_coding	0.26255	0.339105
ENSMUSG00000108655.2,Gm44949,lncRNA	0.26253	0.592252
ENSMUSG00000083856.2,Gm13886,processed_pseudogene	0.2624	0.630887
ENSMUSG00000037071.4,Scd1,protein_coding	0.26237	0.128277
ENSMUSG00000027583.14,Zbtb46,protein_coding	0.26232	0.504273
ENSMUSG00000082274.2,Gm14026,processed_pseudogene	0.2623	0.628017

ENSMUSG00000102101.3,Zbtb11os1,lncRNA	0.26222	0.53165
ENSMUSG00000050751.16,Pgbd5,protein_coding	0.26212	0.325069
ENSMUSG00000059824.13,Dbp,protein_coding	0.26193	0.407218
ENSMUSG00000097762.3,4732463B04Rik,lncRNA	0.26189	0.44372
ENSMUSG00000019487.12,Trip10,protein_coding	0.26186	0.528006
ENSMUSG00000018774.14,Cd68,protein_coding	0.26185	0.715352
ENSMUSG00000038400.17,Pmepa1,protein_coding	0.26169	0.257493
ENSMUSG00000063696.8,Gm8730,processed_pseudogene	0.26165	0.73675
ENSMUSG00000104178.2,Gm9916,lncRNA	0.26148	0.551124
ENSMUSG00000029420.15,Rimbp2,protein_coding	0.26141	0.450202
ENSMUSG00000025468.16,Caly,protein_coding	0.2614	0.479905
ENSMUSG00000020354.16,Sgcd,protein_coding	0.26135	0.378115
ENSMUSG00000021665.10,Hexb,protein_coding	0.2613	0.446544
ENSMUSG00000003134.11,Tbc1d8,protein_coding	0.26128	0.237411
ENSMUSG00000050668.11,Gpatch11,protein_coding	0.26123	0.132193
ENSMUSG00000037913.13,Tmem156,protein_coding	0.26114	0.887458
ENSMUSG00000029596.14,Sdsl,protein_coding	0.261	0.639774
ENSMUSG00000040856.18,Dlk1,protein_coding	0.26098	0.762805
ENSMUSG00000026770.6,Il2ra,protein_coding	0.26096	0.819026
ENSMUSG00000023905.16,Tnfrsf12a,protein_coding	0.26087	0.505409
ENSMUSG00000022421.22,Nptxr,protein_coding	0.2605	0.456263
ENSMUSG00000034652.13,Cd300a,protein_coding	0.26049	0.672982
ENSMUSG00000025579.15,Gaa,protein_coding	0.26048	0.48664
ENSMUSG00000061462.19,Obscn,protein_coding	0.26044	0.681152
ENSMUSG00000024791.11,Cdca5,protein_coding	0.26041	0.847846
ENSMUSG00000020956.15,Dtd2,protein_coding	0.26029	0.305349
ENSMUSG00000111740.2,Gm49783,TEC	0.26026	0.756546
ENSMUSG00000041025.16,Iffo2,protein_coding	0.26017	0.286798
ENSMUSG00000045751.17,Mms22l,protein_coding	0.26005	0.801166
ENSMUSG00000004748.6,Mtfp1,protein_coding	0.26003	0.484903
ENSMUSG00000055799.14,Tcf7l1,protein_coding	0.25956	0.410799
ENSMUSG00000114251.2,Tmed10-ps,processed_pseudogene	0.25948	0.638982
ENSMUSG00000086212.10,Mkln1os,lncRNA	0.25946	0.392369
ENSMUSG00000037313.17,Tacc3,protein_coding	0.25945	0.774318
ENSMUSG00000003420.9,Fcgrt,protein_coding	0.25944	0.411152
ENSMUSG00000111291.2,Gm48604,lncRNA	0.25936	0.258687
ENSMUSG00000034353.15,Ramp1,protein_coding	0.25935	0.433155
ENSMUSG00000096981.4,Gm16845,lncRNA	0.25922	0.617906
ENSMUSG00000003423.16,Pih1d1,protein_coding	0.25916	0.334917
ENSMUSG00000106859.2,Gm42737,TEC	0.25893	0.580024
ENSMUSG00000079808.4,ENSMUSG00000079808,protein_coding	0.25881	0.881053
ENSMUSG00000049124.5,Gm8186,processed_pseudogene	0.25844	0.666562
ENSMUSG00000005057.14,Sh2b2,protein_coding	0.25836	0.803035
ENSMUSG00000102615.2,Gm37844,TEC	0.25825	0.438099
ENSMUSG00000031328.17,Flna,protein_coding	0.25823	0.186818
ENSMUSG00000036678.9,Aaas,protein_coding	0.25819	0.371079
ENSMUSG00000029681.13,Bcl7b,protein_coding	0.25818	0.249464
ENSMUSG00000010051.16,Hyal1,protein_coding	0.25815	0.470485
ENSMUSG00000031165.7,Was,protein_coding	0.2579	0.84451
ENSMUSG00000114749.2,Gm48442,TEC	0.25775	0.791665
ENSMUSG00000045176.4,Borcs6,protein_coding	0.2577	0.445184
ENSMUSG00000097494.10,4933406C10Rik,lncRNA	0.25768	0.511642

ENSMUSG00000118245.4,Gm30082,lncRNA	0.25741	0.53101
ENSMUSG00000109419.3,Gm45163,lncRNA	0.25736	0.583148
ENSMUSG00000041000.9,Trim62,protein_coding	0.25734	0.613935
ENSMUSG00000021384.15,Susd3,protein_coding	0.25718	0.847033
ENSMUSG00000139703.1,ENSMUSG00000139703,lncRNA	0.25702	0.617837
ENSMUSG00000084964.3,Gm15503,lncRNA	0.25698	0.772082
ENSMUSG00000001552.15,Jup,protein_coding	0.25697	0.399737
ENSMUSG00000044037.16,Als2cl,protein_coding	0.25679	0.370892
ENSMUSG00000104399.2,Gm37963,lncRNA	0.25675	0.547294
ENSMUSG00000027239.15,Mdk,protein_coding	0.25674	0.367777
ENSMUSG00000070570.6,Slc17a7,protein_coding	0.25668	0.462063
ENSMUSG00000121347.2,Gm2011,lncRNA	0.25655	0.362119
ENSMUSG00000037936.16,Scarb1,protein_coding	0.25648	0.322897
ENSMUSG00000058258.16,Idi1,protein_coding	0.25646	0.257907
ENSMUSG00000022013.5,Dnajc15,protein_coding	0.25645	0.448349
ENSMUSG00000024446.14,Rpp21,protein_coding	0.25642	0.33278
ENSMUSG00000081944.2,Gm12276,processed_pseudogene	0.25623	0.712242
ENSMUSG00000026303.7,Mlph,protein_coding	0.25615	0.571113
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ENSMUSG00000030745.10,Il21r,protein_coding	0.25605	0.88441
ENSMUSG00000129848.1,ENSMUSG00000129848,lncRNA	0.25601	0.914065
ENSMUSG00000047777.10,Phf13,protein_coding	0.25594	0.277994
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ENSMUSG00000005672.13,Kit,protein_coding	0.25587	0.446776
ENSMUSG00000133146.1,ENSMUSG00000133146,lncRNA	0.25584	0.519448
ENSMUSG00000045345.9,9530056K15Rik,lncRNA	0.25579	0.661117
ENSMUSG00000031557.17,Plekha2,protein_coding	0.25578	0.663088
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ENSMUSG00000064080.13,Fbln2,protein_coding	0.25564	0.409757
ENSMUSG00000121071.2,Gm57170,lncRNA	0.25561	0.533079
ENSMUSG00000028222.3,Calb1,protein_coding	0.25555	0.521988
ENSMUSG00000024942.20,Capn1,protein_coding	0.25548	0.409848
ENSMUSG00000024112.18,Cacna1h,protein_coding	0.25546	0.379581
ENSMUSG00000130036.1,ENSMUSG00000130036,lncRNA	0.25517	0.62625
ENSMUSG00000037872.6,Ackr1,protein_coding	0.25513	0.429966
ENSMUSG00000125484.1,ENSMUSG00000125484,lncRNA	0.25504	0.918349
ENSMUSG00000053399.10,Adamts18,protein_coding	0.25502	0.715077
ENSMUSG00000135421.1,ENSMUSG00000135421,lncRNA	0.25492	0.609208
ENSMUSG00000017721.16,Pigt,protein_coding	0.25491	0.305345
ENSMUSG00000110652.3,Gm33023,lncRNA	0.25489	0.650033
ENSMUSG00000074652.4,Myh7b,protein_coding	0.25486	0.351246
ENSMUSG00000015942.10,Gtf2ird2,protein_coding	0.25475	0.191867
ENSMUSG00000132567.1,ENSMUSG00000132567,lncRNA	0.25474	0.662863
ENSMUSG00000042190.13,Cmklr1,protein_coding	0.25467	0.653893
ENSMUSG00000105442.2,Gm42614,TEC	0.25453	0.534466
ENSMUSG00000021180.10,Rps6ka5,protein_coding	0.25445	0.198391
ENSMUSG00000078440.11,Dohh,protein_coding	0.25444	0.331168
ENSMUSG00000026433.14,Rab29,protein_coding	0.25406	0.542645
ENSMUSG00000075511.12,1700001L05Rik,lncRNA	0.25389	0.314116
ENSMUSG00000025425.19,St8sia5,protein_coding	0.25376	0.490564
ENSMUSG00000003809.15,Gcdh,protein_coding	0.25372	0.145891
ENSMUSG00000037692.15,Ahdc1,protein_coding	0.25367	0.333864

ENSMUSG00000091844.3,Ccdc168,protein_coding	0.25366	0.814903
ENSMUSG00000043572.8,Pars2,protein_coding	0.25356	0.281443
ENSMUSG00000027628.11,Aar2,protein_coding	0.25351	0.184699
ENSMUSG00000027895.11,Kcnc4,protein_coding	0.25341	0.416433
ENSMUSG00000033295.15,Ptprf,protein_coding	0.25324	0.403974
ENSMUSG00000064563.3,Snora7a,snoRNA	0.2531	0.548222
ENSMUSG00000109784.2,Gm45493,TEC	0.25286	0.439441
ENSMUSG00000067995.5,Gtf2f2,protein_coding	0.25286	0.36503
ENSMUSG00000097610.5,A930012L18Rik,lncRNA	0.25271	0.655386
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ENSMUSG00000119740.1,Gm24100,snoRNA	0.25238	0.794157
ENSMUSG00000020743.16,Mif4gd,protein_coding	0.25233	0.682684
ENSMUSG00000127939.1,ENSMUSG00000127939,lncRNA	0.25227	0.718868
ENSMUSG00000109082.2,Gm44586,TEC	0.25226	0.54355
ENSMUSG00000023019.13,Gpd1,protein_coding	0.25224	0.298671
ENSMUSG00000024675.20,Ms4a4c,protein_coding	0.25224	0.772344
ENSMUSG00000086943.4,4732414G09Rik,lncRNA	0.25214	0.576697
ENSMUSG00000038119.16,Cdon,protein_coding	0.25195	0.362683
ENSMUSG00000043257.16,Pigv,protein_coding	0.25194	0.415569
ENSMUSG00000091476.9,Catspere2,protein_coding	0.25162	0.59751
ENSMUSG00000051022.8,Hs3st1,protein_coding	0.25151	0.351584
ENSMUSG00000048439.16,Nup42,protein_coding	0.25139	0.327053
ENSMUSG00000114419.2,5430414B19Rik,lncRNA	0.25136	0.692324
ENSMUSG00000115835.4,Gm41253,lncRNA	0.25133	0.645353
ENSMUSG00000031906.10,Smpd3,protein_coding	0.25123	0.572537
ENSMUSG00000022555.13,Dgat1,protein_coding	0.25119	0.226844
ENSMUSG00000022945.13,Chaf1b,protein_coding	0.25119	0.87815
ENSMUSG00000041445.10,Mmrn2,protein_coding	0.25116	0.585328
ENSMUSG00000051703.15,Tmem198,protein_coding	0.25115	0.471853
ENSMUSG00000128549.1,ENSMUSG00000128549,lncRNA	0.25113	0.51788
ENSMUSG00000051319.7,Mtln,protein_coding	0.25094	0.497507
ENSMUSG00000078838.6,Gm17382,lncRNA	0.25094	0.594723
ENSMUSG00000085213.4,Gm13091,lncRNA	0.25094	0.654669
ENSMUSG00000019689.5,Fmc1,protein_coding	0.25087	0.519981
ENSMUSG00000052825.7,Gm9892,transcribed_processed_pseudogene	0.25076	0.747258
ENSMUSG00000029009.18,Mthfr,protein_coding	0.25074	0.264016
ENSMUSG00000066235.8,Pomgnt2,protein_coding	0.25072	0.459456
ENSMUSG00000025264.13,Tsr2,protein_coding	0.2507	0.270592
ENSMUSG00000087819.3,Gm25117,snoRNA	0.2506	0.435172
ENSMUSG00000117351.3,Gm31615,lncRNA	0.25037	0.840726
ENSMUSG00000045287.7,Rtn4rl1,protein_coding	0.25036	0.337661
ENSMUSG00000006335.17,Tfpt,protein_coding	0.25016	0.415542
ENSMUSG00000034040.18,Galnt17,protein_coding	0.25001	0.238144
ENSMUSG00000117959.3,D330050I16Rik,lncRNA	0.2499	0.649792
ENSMUSG00000054793.9,Cadm4,protein_coding	0.24984	0.349882
ENSMUSG00000113986.3,Gm31333,lncRNA	0.24983	0.615921
ENSMUSG00000055629.6,B4galnt4,protein_coding	0.24982	0.353442
ENSMUSG00000142543.1,ENSMUSG00000142543,lncRNA	0.24953	0.697903
ENSMUSG00000070305.11,Mpzl3,protein_coding	0.24952	0.502601
ENSMUSG00000064356.1,mt-Atp8,protein_coding	0.2495	0.751645
ENSMUSG00000108736.2,Gm45151,lncRNA	0.24949	0.63589
ENSMUSG00000015405.16,Ace2,protein_coding	0.2494	0.570078

ENSMUSG00000002949.16,Timm44,protein_coding	0.24926	0.093102
ENSMUSG00000032245.13,Cln6,protein_coding	0.24924	0.408001
ENSMUSG00000050600.6,Zfp831,protein_coding	0.24914	0.51559
ENSMUSG00000114771.2,Gm49064,lncRNA	0.24912	0.421071
ENSMUSG00000051242.2,Pcdhb9,protein_coding	0.24911	0.380152
ENSMUSG00000032114.10,Slc37a4,protein_coding	0.24892	0.344065
ENSMUSG00000019437.18,Tlcd1,protein_coding	0.24864	0.216124
ENSMUSG00000055485.7,Mtcl2,protein_coding	0.24853	0.533424
ENSMUSG00000001025.9,S100a6,protein_coding	0.2485	0.475142
ENSMUSG00000046432.13,Bex3,protein_coding	0.24837	0.461623
ENSMUSG00000071647.6,Eml3,protein_coding	0.24832	0.44071
ENSMUSG00000005947.12,Itgae,protein_coding	0.24822	0.800284
ENSMUSG00000029034.10,Ints11,protein_coding	0.24811	0.380969
ENSMUSG00000043410.17,Hfm1,protein_coding	0.24808	0.858214
ENSMUSG00000029312.13,Klhl8,protein_coding	0.24789	0.279819
ENSMUSG00000046519.17,Golph3l,protein_coding	0.2478	0.276377
ENSMUSG00000074227.13,Spint2,protein_coding	0.24778	0.4352
ENSMUSG00000054893.16,Zfp667,protein_coding	0.24776	0.178824
ENSMUSG00000037971.11,Cfap68,protein_coding	0.24763	0.339416
ENSMUSG00000018698.16,Lhx1,protein_coding	0.24758	0.660185
ENSMUSG00000102633.2,Gm38224,TEC	0.24748	0.687933
ENSMUSG00000113622.2,Gm49749,lncRNA	0.24744	0.398732
ENSMUSG00000024736.16,Tmem132a,protein_coding	0.24729	0.368878
ENSMUSG00000002944.16,Cd36,protein_coding	0.24728	0.810039
ENSMUSG00000052688.13,Rab7b,protein_coding	0.24726	0.560226
ENSMUSG00000018677.10,Slc25a39,protein_coding	0.24711	0.410233
ENSMUSG00000098649.5,Lhx5as1,lncRNA	0.24703	0.680666
ENSMUSG00000028782.15,Adgrb2,protein_coding	0.24701	0.469296
ENSMUSG00000110010.2,Gm45629,TEC	0.24698	0.464306
ENSMUSG00000031503.14,Col4a2,protein_coding	0.24696	0.361295
ENSMUSG00000033222.17,Ttf2,protein_coding	0.24665	0.76848
ENSMUSG00000091639.3,Gm3756,processed_pseudogene	0.24661	0.677915
ENSMUSG00000061887.15,Ssbp3,protein_coding	0.24661	0.11585
ENSMUSG00000133564.1,ENSMUSG00000133564,lncRNA	0.24659	0.692998
ENSMUSG00000113387.2,Gm31508,lncRNA	0.24642	0.690304
ENSMUSG00000006356.11,Crip2,protein_coding	0.24642	0.492213
ENSMUSG00000073609.10,D2hgdh,protein_coding	0.24632	0.331191
ENSMUSG00000053819.17,Camk2d,protein_coding	0.24632	0.26502
ENSMUSG00000038855.11,Itpkb,protein_coding	0.24629	0.534336
ENSMUSG00000042978.12,Sbk1,protein_coding	0.24624	0.46274
ENSMUSG00000034522.11,Zfp395,protein_coding	0.2462	0.345075
ENSMUSG00000043621.14,Ubxn10,protein_coding	0.24619	0.673351
ENSMUSG00000118734.1,Gm25313,snRNA	0.24613	0.889225
ENSMUSG00000136525.1,ENSMUSG00000136525,lncRNA	0.24612	0.854708
ENSMUSG00000049916.13,2610318N02Rik,protein_coding	0.24612	0.788706
ENSMUSG00000117924.2,Tmem223,protein_coding	0.24595	0.407952
ENSMUSG00000064647.3,Gm23301,snoRNA	0.24583	0.601865
ENSMUSG00000027765.7,P2ry1,protein_coding	0.24577	0.368857
ENSMUSG00000043931.11,Gimap7,protein_coding	0.24568	0.869228
ENSMUSG00000040035.15,Disp2,protein_coding	0.24551	0.437143
ENSMUSG00000026723.11,Trdmt1,protein_coding	0.24547	0.369897
ENSMUSG00000137245.1,ENSMUSG00000137245,lncRNA	0.24546	0.564792

ENSMUSG00000035376.11,Hacd2,protein_coding	0.24545	0.176192
ENSMUSG00000113262.2,Gm48551,protein_coding	0.24542	0.532784
ENSMUSG00000051373.6,Plpp7,protein_coding	0.24541	0.477034
ENSMUSG00000031150.14,Ccdc120,protein_coding	0.2454	0.408161
ENSMUSG00000087165.10,2010001A14Rik,lncRNA	0.2454	0.500524
ENSMUSG00000026785.15,Pkn3,protein_coding	0.24537	0.732527
ENSMUSG00000061286.8,Exosc5,protein_coding	0.24531	0.469339
ENSMUSG00000045912.10,C2cd4c,protein_coding	0.24527	0.583902
ENSMUSG00000086997.2,Gm12981,lncRNA	0.24523	0.798084
ENSMUSG00000025272.17,Tro,protein_coding	0.24522	0.274012
ENSMUSG00000020534.15,Shmt1,protein_coding	0.24521	0.814252
ENSMUSG00002074985.1,Gm56381,misc_RNA	0.24512	0.617224
ENSMUSG00000031364.3,Grpr,protein_coding	0.24507	0.69821
ENSMUSG00000074171.3,Gm6658,TEC	0.24506	0.683831
ENSMUSG00000059401.15,Mamld1,protein_coding	0.24504	0.212922
ENSMUSG00000021215.16,Net1,protein_coding	0.245	0.294656
ENSMUSG00000105966.3,Gm43242,lncRNA	0.24495	0.762469
ENSMUSG00000110537.3,Gm4316,lncRNA	0.24478	0.861868
ENSMUSG00000000058.7,Cav2,protein_coding	0.24477	0.469891
ENSMUSG00000025780.8,Itih5,protein_coding	0.24476	0.31905
ENSMUSG00000033902.13,Mapkbp1,protein_coding	0.24472	0.202785
ENSMUSG00000052565.8,H1f3,protein_coding	0.2447	0.807069
ENSMUSG00000121080.1,Gm57228,lncRNA	0.24469	0.542358
ENSMUSG00000027465.14,Tbc1d20,protein_coding	0.24468	0.133998
ENSMUSG00000086129.3,Gm13558,lncRNA	0.24465	0.560836
ENSMUSG00000070871.11,Ccnyl1,protein_coding	0.24447	0.337025
ENSMUSG00000111547.2,Gm48069,TEC	0.24446	0.661036
ENSMUSG00000020866.18,Cacna1g,protein_coding	0.24436	0.405611
ENSMUSG00000104252.6,Pcdha4,protein_coding	0.24434	0.425695
ENSMUSG00000031375.19,Bgn,protein_coding	0.24423	0.382181
ENSMUSG00000028542.18,Slc6a9,protein_coding	0.24419	0.444561
ENSMUSG00000015711.9,Prune1,protein_coding	0.24413	0.235096
ENSMUSG00000017299.14,Dnttip1,protein_coding	0.24408	0.266905
ENSMUSG00000073528.8,Gm10530,lncRNA	0.24397	0.598772
ENSMUSG00000097320.10,Tmem147os,lncRNA	0.24389	0.440588
ENSMUSG00000045752.14,Tssc4,protein_coding	0.24379	0.408551
ENSMUSG00000109882.2,Gm18706,processed_pseudogene	0.24371	0.77144
ENSMUSG00000113078.2,Gm48734,TEC	0.24368	0.484193
ENSMUSG00000015289.5,Lage3,protein_coding	0.24334	0.319062
ENSMUSG00000084790.3,Gm15879,lncRNA	0.24332	0.487085
ENSMUSG00000117878.3,Gm50202,lncRNA	0.2432	0.449212
ENSMUSG00000089857.10,Zfp882,protein_coding	0.24317	0.395684
ENSMUSG00000039328.12,Rnf122,protein_coding	0.24311	0.623056
ENSMUSG00000015377.11,Dennd6b,protein_coding	0.24309	0.333967
ENSMUSG00000040569.14,Slc26a7,protein_coding	0.24295	0.66493
ENSMUSG00000029524.17,Sirt4,protein_coding	0.24281	0.37302
ENSMUSG00000027610.18,Gss,protein_coding	0.24281	0.240302
ENSMUSG00000061306.17,Slc38a10,protein_coding	0.24275	0.241562
ENSMUSG00000020623.12,Map2k6,protein_coding	0.24273	0.325345
ENSMUSG00000031783.11,Polr2c,protein_coding	0.24258	0.286605
ENSMUSG00000112571.2,Gm48207,TEC	0.24258	0.593595
ENSMUSG00000105501.2,5330426L24Rik,lncRNA	0.24256	0.921991

ENSMUSG00000121088.2,Gm57138,lncRNA	0.24252	0.62626
ENSMUSG00000032452.13,Clstn2,protein_coding	0.24251	0.387204
ENSMUSG00000040605.8,Bace2,protein_coding	0.24213	0.327619
ENSMUSG00000113949.2,Scamp4,protein_coding	0.24207	0.294744
ENSMUSG00000039701.12,Usp53,protein_coding	0.24197	0.303806
ENSMUSG00000080772.2,Gm12543,transcribed_processed_pseudogene	0.24186	0.80363
ENSMUSG00000109517.2,Gm44763,lncRNA	0.24167	0.558795
ENSMUSG00000028944.15,Prkag2,protein_coding	0.24165	0.198765
ENSMUSG00000034528.16,Hsd17b13,protein_coding	0.24161	0.869065
ENSMUSG00000023367.15,Tmem176a,protein_coding	0.24158	0.490988
ENSMUSG00000022557.12,Bop1,protein_coding	0.24146	0.318711
ENSMUSG00000029513.15,Prkab1,protein_coding	0.24134	0.336005
ENSMUSG00000042115.5,Klhdc8a,protein_coding	0.24128	0.560779
ENSMUSG00000103793.2,Pcdhga6,protein_coding	0.24125	0.182978
ENSMUSG00000001555.11,Fkbp10,protein_coding	0.2412	0.535978
ENSMUSG00000022180.8,Slc7a8,protein_coding	0.24111	0.298075
ENSMUSG00000045107.6,Saysd1,protein_coding	0.24104	0.456775
ENSMUSG00000003271.18,Sult2b1,protein_coding	0.24082	0.621313
ENSMUSG00000037907.17,Ankrd13b,protein_coding	0.24076	0.245859
ENSMUSG00000002603.16,Tgfb1,protein_coding	0.24073	0.800062
ENSMUSG00000079056.14,Kcnip3,protein_coding	0.24064	0.272618
ENSMUSG00000003199.17,Mpnd,protein_coding	0.24026	0.345203
ENSMUSG00000030994.17,D7Ertd443e,protein_coding	0.24025	0.380131
ENSMUSG00000088008.3,Gm25492,scaRNA	0.2402	0.560996
ENSMUSG00000120174.2,4931408D14Rik,lncRNA	0.2402	0.674333
ENSMUSG00000030101.16,Sumf1,protein_coding	0.24011	0.244652
ENSMUSG00000026715.13,Serpinc1,protein_coding	0.24001	0.806576
ENSMUSG00000048310.9,Pskh1,protein_coding	0.23998	0.430032
ENSMUSG00000051054.5,Spata31d1e,protein_coding	0.23996	0.691272
ENSMUSG00000069744.8,Psmb3,protein_coding	0.23968	0.379522
ENSMUSG00000053830.5,Gm9923,processed_pseudogene	0.23964	0.698149
ENSMUSG00000086602.2,Gm15609,lncRNA	0.23962	0.608163
ENSMUSG00000024208.17,Uqcc2,protein_coding	0.23958	0.441448
ENSMUSG00000028795.16,Ccdc28b,protein_coding	0.23957	0.443333
ENSMUSG00000022098.11,Bmp1,protein_coding	0.23957	0.456739
ENSMUSG00000079014.5,Serpina3i,protein_coding	0.23946	0.816966
ENSMUSG00000084845.11,Tmem240,protein_coding	0.23936	0.417198
ENSMUSG00000029231.16,Pdgfra,protein_coding	0.23933	0.215807
ENSMUSG00000047497.11,Adamts12,protein_coding	0.23921	0.50543
ENSMUSG00000028063.16,Lmna,protein_coding	0.23891	0.316246
ENSMUSG00000062372.14,Otof,protein_coding	0.23888	0.532951
ENSMUSG00000031538.7,Plat,protein_coding	0.23884	0.323627
ENSMUSG00000063412.5,Erhrt-ps,protein_coding	0.23875	0.622633
ENSMUSG00000036199.10,Ndufa13,protein_coding	0.23868	0.440536
ENSMUSG00000030074.10,Gxylt2,protein_coding	0.23863	0.4611
ENSMUSG00000022551.9,Cyc1,protein_coding	0.23861	0.264709
ENSMUSG00000022838.15,Eaf2,protein_coding	0.23857	0.842249
ENSMUSG00000082377.2,Gm14415,transcribed_unprocessed_pseudogene	0.23852	0.648233
ENSMUSG00000026121.14,Sema4c,protein_coding	0.23833	0.308015
ENSMUSG00000037771.12,Slc32a1,protein_coding	0.23832	0.320277
ENSMUSG00000087408.11,Cers1,protein_coding	0.23817	0.419763
ENSMUSG00000117278.2,Gm36684,lncRNA	0.23807	0.603699

ENSMUSG00000054716.5,Zfp771,protein_coding	0.23805	0.350025
ENSMUSG00000066278.7,Vps37b,protein_coding	0.23799	0.373353
ENSMUSG00000132379.1,ENSMUSG00000132379,lncRNA	0.2379	0.583959
ENSMUSG00000071714.8,Csf2rb2,protein_coding	0.23782	0.751359
ENSMUSG00000042462.5,Dctpp1,protein_coding	0.23754	0.631963
ENSMUSG00000019761.11,Krt10,protein_coding	0.23738	0.650333
ENSMUSG00000031373.5,Car5b,protein_coding	0.23734	0.402463
ENSMUSG00000003955.9,Fam162a,protein_coding	0.23733	0.272507
ENSMUSG00000079414.7,Gm11110,lncRNA	0.23725	0.623856
ENSMUSG00000026791.15,Slc2a8,protein_coding	0.23724	0.323237
ENSMUSG00000143157.1,ENSMUSG00000143157,lncRNA	0.23722	0.705177
ENSMUSG00000028175.16,Depdc1a,protein_coding	0.23711	0.880683
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ENSMUSG00000057969.16,Sema3b,protein_coding	0.23695	0.711892
ENSMUSG00000024940.12,Ltbp3,protein_coding	0.23694	0.407928
ENSMUSG00000120997.2,Gm57385,lncRNA	0.23693	0.370975
ENSMUSG00000018589.9,Glra2,protein_coding	0.23688	0.562203
ENSMUSG00000002343.12,Armc6,protein_coding	0.23681	0.345522
ENSMUSG00000029675.13,Eln,protein_coding	0.2368	0.441902
ENSMUSG00000033208.8,S100b,protein_coding	0.23664	0.320828
ENSMUSG00000060594.7,Layn,protein_coding	0.23662	0.485881
ENSMUSG00000032269.9,Htr3a,protein_coding	0.23649	0.610392
ENSMUSG00000032231.15,Anxa2,protein_coding	0.23646	0.636912
ENSMUSG00000041669.16,Prima1,protein_coding	0.23637	0.66163
ENSMUSG00000042613.10,Pbxip1,protein_coding	0.23633	0.306463
ENSMUSG00000087341.6,0610040F04Rik,lncRNA	0.23629	0.538736
ENSMUSG00000045100.12,Slc25a26,protein_coding	0.23621	0.323569
ENSMUSG00000113061.2,Rps18-ps5,processed_pseudogene	0.23621	0.701531
ENSMUSG00000016946.7,Kctd5,protein_coding	0.23616	0.283981
ENSMUSG00000074480.5,Mex3a,protein_coding	0.23616	0.507339
ENSMUSG00000037017.16,Zscan21,protein_coding	0.23593	0.149676
ENSMUSG00000031107.7,Rbmx2,protein_coding	0.23591	0.402028
ENSMUSG00000078897.11,Gm4724,protein_coding	0.23585	0.697927
ENSMUSG00000023737.16,1700082M22Rik,lncRNA	0.2358	0.672653
ENSMUSG00000003680.17,Taf6l,protein_coding	0.23579	0.524213
ENSMUSG00000031787.9,Katnb1,protein_coding	0.23569	0.314204
ENSMUSG00000021752.15,Kctd6,protein_coding	0.23548	0.257407
ENSMUSG00000039062.16,Anpep,protein_coding	0.23546	0.586987
ENSMUSG00000031823.15,Zdhhc7,protein_coding	0.23535	0.181398
ENSMUSG00000020003.17,Pex7,protein_coding	0.23532	0.12829
ENSMUSG00000025888.7,Casp1,protein_coding	0.23529	0.81687
ENSMUSG00000121786.2,Gm40287,lncRNA	0.23516	0.810712
ENSMUSG00000103233.2,Gm37159,TEC	0.23494	0.549137
ENSMUSG00000050063.19,Klk6,protein_coding	0.23458	0.634407
ENSMUSG00000121575.1,ENSMUSG00000121575,protein_coding	0.2345	0.756685
ENSMUSG00000034216.13,Vps18,protein_coding	0.23444	0.311404
ENSMUSG00000026452.16,Syt2,protein_coding	0.23437	0.471684
ENSMUSG00000045318.7,Adra2c,protein_coding	0.23434	0.624706
ENSMUSG00000036620.15,Mgat4b,protein_coding	0.23405	0.357009
ENSMUSG00000024654.9,Asrgl1,protein_coding	0.23393	0.198661
ENSMUSG00000004105.9,Angptl2,protein_coding	0.23391	0.521528
ENSMUSG00000025931.16,Paqr8,protein_coding	0.23365	0.280779

ENSMUSG00000075592.12,Nynrin,protein_coding	0.23347	0.577766
ENSMUSG00000033365.15,Ipo13,protein_coding	0.23342	0.165777
ENSMUSG00000032397.8,Tipin,protein_coding	0.23335	0.554167
ENSMUSG00000022807.10,Osbpl11,protein_coding	0.2333	0.200584
ENSMUSG00000102060.3,1700061E17Rik,lncRNA	0.23301	0.679559
ENSMUSG00000028527.19,Ak4,protein_coding	0.23298	0.394915
ENSMUSG00000068749.10,Psma5,protein_coding	0.23296	0.408551
ENSMUSG00000106567.3,2010309G21Rik,lncRNA	0.23285	0.901341
ENSMUSG00000048827.13,Pkd1l3,protein_coding	0.23276	0.706238
ENSMUSG00000053411.17,Cbx7,protein_coding	0.23271	0.292587
ENSMUSG00000109733.3,Gm33940,lncRNA	0.2327	0.720927
ENSMUSG00000020674.18,Pxdn,protein_coding	0.23268	0.431652
ENSMUSG00000031818.13,Cox4i1,protein_coding	0.23267	0.356949
ENSMUSG00000035834.12,Polr3g,protein_coding	0.23259	0.497321
ENSMUSG00000078161.9,Erich3,protein_coding	0.23253	0.44805
ENSMUSG00000029054.9,Gabrd,protein_coding	0.23251	0.471694
ENSMUSG00000066042.5,Med18,protein_coding	0.23251	0.561378
ENSMUSG00000092448.3,Gm20387,lncRNA	0.23247	0.625748
ENSMUSG00000041881.14,Ndufa7,protein_coding	0.23244	0.428036
ENSMUSG00000018659.13,Pnpo,protein_coding	0.23237	0.408553
ENSMUSG00000019952.16,Poc1b,protein_coding	0.23235	0.409484
ENSMUSG00000120432.2,Gm56600,lncRNA	0.23218	0.905042
ENSMUSG00000123270.1,ENSMUSG00000123270,lncRNA	0.23209	0.556481
ENSMUSG00000023832.15,Acat2,protein_coding	0.23205	0.336714
ENSMUSG00000044350.15,Lacc1,protein_coding	0.23204	0.725406
ENSMUSG00000054863.10,Tafa5,protein_coding	0.23203	0.369322
ENSMUSG00000034006.18,Slc66a2,protein_coding	0.232	0.259659
ENSMUSG00000104860.2,Gm42510,TEC	0.23184	0.735832
ENSMUSG00000071234.4,Syndig1l,protein_coding	0.23168	0.671307
ENSMUSG00000037499.10,Nenf,protein_coding	0.23165	0.493997
ENSMUSG00000026821.17,Ralgds,protein_coding	0.23163	0.265852
ENSMUSG00000091680.4,Klhdc7b,protein_coding	0.23154	0.643209
ENSMUSG00000037126.17,Psd,protein_coding	0.2315	0.502958
ENSMUSG00000027387.12,Zc3h8,protein_coding	0.23149	0.393623
ENSMUSG00000027947.12,Il6ra,protein_coding	0.23144	0.536129
ENSMUSG00000054474.16,Thnsl2,protein_coding	0.23127	0.536826
ENSMUSG00000037408.11,Cnnm4,protein_coding	0.23122	0.337774
ENSMUSG00000031853.6,Map3k21,protein_coding	0.23122	0.660114
ENSMUSG00000028494.13,Plin2,protein_coding	0.23122	0.614799
ENSMUSG00000138036.1,Rny1,lncRNA	0.23119	0.739698
ENSMUSG00000025208.10,Mrpl43,protein_coding	0.23117	0.293935
ENSMUSG00000109775.2,Gm45297,TEC	0.23107	0.603183
ENSMUSG00000126728.1,ENSMUSG00000126728,lncRNA	0.23091	0.57548
ENSMUSG00000026849.19,Tor1a,protein_coding	0.23087	0.349051
ENSMUSG00000019851.9,Perp,protein_coding	0.23082	0.495481
ENSMUSG00000015094.17,Npdc1,protein_coding	0.23074	0.358276
ENSMUSG00000012848.16,Rps5,protein_coding	0.23069	0.680509
ENSMUSG00000106946.2,Gm42856,TEC	0.23066	0.584297
ENSMUSG00000071078.7,Nr2c2ap,protein_coding	0.23059	0.476316
ENSMUSG00000025592.18,Dach2,protein_coding	0.23056	0.594545
ENSMUSG00000074064.7,Mlycd,protein_coding	0.2305	0.324392
ENSMUSG00000020133.9,2310011J03Rik,protein_coding	0.23045	0.284051

ENSMUSG00000033020.8,Polr2f,protein_coding	0.2304	0.365678
ENSMUSG00000002602.17,Axl,protein_coding	0.23032	0.337429
ENSMUSG00000006333.15,Rps9,protein_coding	0.2303	0.635222
ENSMUSG00000030134.12,Rasgef1a,protein_coding	0.23024	0.481695
ENSMUSG00000030583.17,Sipa1l3,protein_coding	0.2302	0.301602
ENSMUSG00000139182.1,ENSMUSG00000139182,lncRNA	0.23016	0.605844
ENSMUSG00000028434.13,Epb41l4b,protein_coding	0.23002	0.323239
ENSMUSG00000132061.1,ENSMUSG00000132061,lncRNA	0.22993	0.844045
ENSMUSG00000101365.2,Gm19325,lncRNA	0.22987	0.487032
ENSMUSG00000105893.2,Wdr46-ps,processed_pseudogene	0.22984	0.598585
ENSMUSG00000064254.7,Ethe1,protein_coding	0.2298	0.645201
ENSMUSG00000120546.2,Gm34343,lncRNA	0.22979	0.612904
ENSMUSG00000141156.1,ENSMUSG00000141156,lncRNA	0.22957	0.770887
ENSMUSG00000006522.18,Itih3,protein_coding	0.22937	0.507221
ENSMUSG00000027285.14,Haus2,protein_coding	0.22931	0.340816
ENSMUSG00000000120.7,Ngfr,protein_coding	0.22916	0.717945
ENSMUSG00000044361.17,BC024139,protein_coding	0.22912	0.718354
ENSMUSG00000024901.16,Peli3,protein_coding	0.22906	0.348273
ENSMUSG00000097885.9,5031434O11Rik,lncRNA	0.2289	0.44689
ENSMUSG00000009733.10,Tfcp2,protein_coding	0.22889	0.218574
ENSMUSG00000123640.1,ENSMUSG00000123640,lncRNA	0.22874	0.5652
ENSMUSG00000032135.16,Mcam,protein_coding	0.22874	0.332682
ENSMUSG00000018476.8,Kdm6b,protein_coding	0.22867	0.300603
ENSMUSG00000104546.2,Gm43858,TEC	0.22855	0.426938
ENSMUSG00000030088.16,Aldh1l1,protein_coding	0.2285	0.285577
ENSMUSG00000005124.11,Ccn4,protein_coding	0.22842	0.715229
ENSMUSG00000049932.4,H2ax,protein_coding	0.22841	0.654553
ENSMUSG00000024048.16,Myl12a,protein_coding	0.22836	0.692328
ENSMUSG00000034616.18,Ssh3,protein_coding	0.2283	0.335961
ENSMUSG00000028393.11,Alad,protein_coding	0.22828	0.500375
ENSMUSG00000131140.1,ENSMUSG00000131140,lncRNA	0.2282	0.880216
ENSMUSG00000042684.9,Npl,protein_coding	0.22819	0.541764
ENSMUSG00000126289.1,ENSMUSG00000126289,lncRNA	0.22818	0.488847
ENSMUSG00000086288.2,Gm15265,lncRNA	0.22813	0.588727
ENSMUSG00000039087.18,Rreb1,protein_coding	0.22791	0.314801
ENSMUSG00000101655.4,2310040G24Rik,lncRNA	0.22787	0.759517
ENSMUSG00000037362.9,Ccn3,protein_coding	0.22776	0.588936
ENSMUSG00000026220.7,Slc16a14,protein_coding	0.22776	0.456994
ENSMUSG00000052496.6,Pkdrej,protein_coding	0.22775	0.766276
ENSMUSG00000110405.2,Gm45534,TEC	0.22773	0.584065
ENSMUSG00000097184.5,4632428C04Rik,lncRNA	0.22771	0.636192
ENSMUSG00000027360.6,Hdc,protein_coding	0.22764	0.685766
ENSMUSG00000049538.15,Adamts16,protein_coding	0.22747	0.42799
ENSMUSG00000030486.10,Zfp108,protein_coding	0.22741	0.364591
ENSMUSG00000052033.14,Pfdn4,protein_coding	0.22725	0.417415
ENSMUSG00000046844.7,Vat1l,protein_coding	0.22722	0.457593
ENSMUSG00000022323.12,Rida,protein_coding	0.22722	0.282264
ENSMUSG00000008398.17,Elk3,protein_coding	0.22707	0.683168
ENSMUSG00000020538.16,Srebf1,protein_coding	0.22707	0.378797
ENSMUSG00000112096.2,A430103D13Rik,TEC	0.227	0.4153
ENSMUSG00000087026.9,A230103J11Rik,lncRNA	0.22686	0.561696
ENSMUSG00000070345.4,Hsf5,protein_coding	0.22685	0.724128

ENSMUSG00000023764.19,Sfi1,protein_coding	0.22681	0.600525
ENSMUSG00000054226.14,Tprkb,protein_coding	0.22679	0.155863
ENSMUSG00000033589.5,Reep4,protein_coding	0.22674	0.761083
ENSMUSG00000065176.3,Rnu12,snRNA	0.22669	0.65489
ENSMUSG00000027954.10,Efna1,protein_coding	0.22667	0.577149
ENSMUSG00000022488.10,Nckap1l,protein_coding	0.22664	0.834327
ENSMUSG00000029725.11,Ppp1r35,protein_coding	0.22661	0.584307
ENSMUSG00000030397.12,Mark4,protein_coding	0.22649	0.370661
ENSMUSG00000026078.11,Pdcl3,protein_coding	0.22637	0.318644
ENSMUSG00000064966.3,Snord15b,snoRNA	0.22633	0.442245
ENSMUSG00000033373.17,Fntb,protein_coding	0.22626	0.311952
ENSMUSG00000028796.18,Phc2,protein_coding	0.22625	0.169847
ENSMUSG00000073700.4,Klhl21,protein_coding	0.22623	0.271764
ENSMUSG00000028669.16,Pithd1,protein_coding	0.22618	0.381576
ENSMUSG00000039771.14,Polr2j,protein_coding	0.22615	0.403873
ENSMUSG00000092626.4,9130230N09Rik,lncRNA	0.22611	0.734329
ENSMUSG00000037216.6,Lipt1,protein_coding	0.22606	0.605605
ENSMUSG00000021998.17,Lcp1,protein_coding	0.22592	0.852953
ENSMUSG00000046192.5,Iqub,protein_coding	0.22584	0.580816
ENSMUSG00000024960.10,Plcb3,protein_coding	0.22582	0.457427
ENSMUSG00000064068.16,Mtx1,protein_coding	0.22565	0.26261
ENSMUSG00000047904.7,Sstr2,protein_coding	0.22554	0.55388
ENSMUSG00000063626.7,Unc5d,protein_coding	0.2255	0.353792
ENSMUSG00000021606.9,Ndufs6,protein_coding	0.22541	0.430391
ENSMUSG00000052544.10,St6galnac3,protein_coding	0.22536	0.379481
ENSMUSG00000083161.4,Gm11427,transcribed_unprocessed_pseudogene	0.22531	0.84831
ENSMUSG00000005262.14,Ufd1,protein_coding	0.22524	0.153454
ENSMUSG00000085093.2,Gm12737,lncRNA	0.22522	0.576458
ENSMUSG00000104237.3,Gm33533,lncRNA	0.22512	0.621256
ENSMUSG00000065126.3,Snord104,snoRNA	0.22484	0.724628
ENSMUSG00000025867.9,Cplx2,protein_coding	0.22466	0.461348
ENSMUSG00000060419.9,Rps16-ps2,processed_pseudogene	0.22465	0.670182
ENSMUSG00000080957.2,Gm15739,processed_pseudogene	0.22464	0.712826
ENSMUSG00000035561.6,Aldh1b1,protein_coding	0.22464	0.624388
ENSMUSG00000030087.12,Klf15,protein_coding	0.22463	0.384342
ENSMUSG00000020990.6,Cdkl1,protein_coding	0.2246	0.359425
ENSMUSG00000010086.18,Rnf112,protein_coding	0.22439	0.409872
ENSMUSG00000036046.15,5031439G07Rik,protein_coding	0.22433	0.29827
ENSMUSG00000041697.10,Cox6a1,protein_coding	0.22432	0.38779
ENSMUSG00000004558.16,Ndrg2,protein_coding	0.22404	0.231363
ENSMUSG00000051396.16,Msantd7,protein_coding	0.22404	0.326376
ENSMUSG00000080465.3,Snord94,snoRNA	0.22388	0.317765
ENSMUSG00000036992.11,Nxt1,protein_coding	0.22381	0.552118
ENSMUSG00000069072.10,Slc7a14,protein_coding	0.22375	0.24852
ENSMUSG00000042870.16,Tom1,protein_coding	0.22373	0.458996
ENSMUSG00000121606.1,Akap17a,protein_coding	0.22369	0.395918
ENSMUSG00000028458.13,Tesk1,protein_coding	0.22362	0.412225
ENSMUSG00000003072.16,Atp5f1d,protein_coding	0.22361	0.364476
ENSMUSG00000055652.15,Klhl25,protein_coding	0.22345	0.415605
ENSMUSG00000046722.15,Cdc42se1,protein_coding	0.22344	0.136035
ENSMUSG00000064513.3,Snora9,snoRNA	0.22333	0.76907
ENSMUSG00000128341.1,ENSMUSG00000128341,lncRNA	0.22318	0.718753

ENSMUSG00000015085.9,Entpd2,protein_coding	0.22308	0.578915
ENSMUSG00000072258.12,Taf1a,protein_coding	0.22306	0.332285
ENSMUSG00000048215.17,A630023P12Rik,lncRNA	0.22304	0.587981
ENSMUSG00000121808.2,ENSMUSG00000121808,lncRNA	0.223	0.317747
ENSMUSG00000029345.14,Tfip11,protein_coding	0.22283	0.361203
ENSMUSG00000025128.8,Bhlhe22,protein_coding	0.22279	0.576459
ENSMUSG00000041734.16,Kirrel1,protein_coding	0.22274	0.373439
ENSMUSG00000058740.15,Kcnt1,protein_coding	0.22268	0.444847
ENSMUSG00000042428.7,Mgat3,protein_coding	0.22263	0.288102
ENSMUSG00000086784.3,Isoc2a,protein_coding	0.22256	0.352045
ENSMUSG00000040860.17,Crocc,protein_coding	0.22255	0.57222
ENSMUSG00000034591.6,Slc41a2,protein_coding	0.22252	0.565084
ENSMUSG00000119047.1,Gm22776,snoRNA	0.22237	0.815247
ENSMUSG00000097333.8,Zfp87,protein_coding	0.22235	0.218259
ENSMUSG00000037003.17,Tns2,protein_coding	0.22227	0.445386
ENSMUSG00000007216.7,Zfp775,protein_coding	0.22219	0.510121
ENSMUSG00000055994.16,Nod2,protein_coding	0.22202	0.786198
ENSMUSG00000024883.9,Rin1,protein_coding	0.222	0.599974
ENSMUSG00000125400.1,ENSMUSG00000125400,lncRNA	0.22197	0.766721
ENSMUSG00000105556.2,Gm43080,TEC	0.22195	0.596905
ENSMUSG00000063714.18,Sp3os,lncRNA	0.22194	0.352452
ENSMUSG00000048603.11,Gm9828,lncRNA	0.22185	0.389438
ENSMUSG00000038524.14,Fchsd1,protein_coding	0.22171	0.519409
ENSMUSG00000037938.5,Chchd5,protein_coding	0.22169	0.573098
ENSMUSG00000045761.17,Togaram2,protein_coding	0.22151	0.705823
ENSMUSG00000068740.15,Celsr2,protein_coding	0.22136	0.433843
ENSMUSG00000038175.11,Mylip,protein_coding	0.22134	0.247811
ENSMUSG00000046922.8,Gpr6,protein_coding	0.2211	0.831453
ENSMUSG00000020921.7,Tmem101,protein_coding	0.22109	0.337631
ENSMUSG00000107385.6,C330024D21Rik,lncRNA	0.22108	0.640421
ENSMUSG00000021636.17,Marveld2,protein_coding	0.22106	0.691316
ENSMUSG00000045007.10,Tubg2,protein_coding	0.22104	0.453957
ENSMUSG00000074345.5,Tnfaip8l3,protein_coding	0.22103	0.653947
ENSMUSG00000074811.4,Hps6,protein_coding	0.22091	0.518064
ENSMUSG00000049504.13,Proser1,protein_coding	0.22076	0.227902
ENSMUSG00000128104.1,ENSMUSG00000128104,lncRNA	0.22069	0.702181
ENSMUSG00000038712.17,Mindy1,protein_coding	0.22064	0.457978
ENSMUSG00000091329.5,1700112D23Rik,lncRNA	0.22057	0.663134
ENSMUSG00000035513.21,Ntng2,protein_coding	0.22055	0.53584
ENSMUSG00000032897.18,Nfyc,protein_coding	0.22052	0.120079
ENSMUSG00000024911.8,Fibp,protein_coding	0.22024	0.215352
ENSMUSG00000100862.2,Atp6-ps,unprocessed_pseudogene	0.22017	0.693911
ENSMUSG00000085910.2,Gm12395,lncRNA	0.22001	0.501384
ENSMUSG00000108456.2,4732496C06Rik,lncRNA	0.21994	0.412613
ENSMUSG00000031103.13,Elf4,protein_coding	0.21988	0.849494
ENSMUSG00000054309.10,Cpsf3,protein_coding	0.21978	0.424501
ENSMUSG00000105087.2,Gm42552,TEC	0.21975	0.522747
ENSMUSG00000050821.15,Fam131a,protein_coding	0.21972	0.531038
ENSMUSG00000086290.12,Snhg12,lncRNA	0.21967	0.40688
ENSMUSG00000030606.9,Hapln3,protein_coding	0.21963	0.627471
ENSMUSG00000079259.3,Trim71,protein_coding	0.21958	0.713235
ENSMUSG00000121496.2,Ube2d-ps,lncRNA	0.21949	0.299422

ENSMUSG00000105935.2,Gm43628,TEC	0.21927	0.567906
ENSMUSG00000111713.4,Gm20234,lncRNA	0.21925	0.893821
ENSMUSG00000020044.14,Timp3,protein_coding	0.21916	0.288649
ENSMUSG00000039246.9,Lyplal1,protein_coding	0.21914	0.709663
ENSMUSG00000086843.5,E030013I19Rik,lncRNA	0.2191	0.810662
ENSMUSG00000087514.2,Gm16076,lncRNA	0.21902	0.789513
ENSMUSG00000006095.13,Tbcb,protein_coding	0.21893	0.50725
ENSMUSG00000043885.15,Slc36a4,protein_coding	0.2189	0.26279
ENSMUSG00000000934.10,Top1mt,protein_coding	0.2189	0.435538
ENSMUSG00000042524.15,Sun2,protein_coding	0.21889	0.216447
ENSMUSG00000045038.15,Prkce,protein_coding	0.21887	0.422618
ENSMUSG00000035505.15,Cox18,protein_coding	0.21881	0.331208
ENSMUSG00000027454.11,Gins1,protein_coding	0.21877	0.828771
ENSMUSG00000059355.14,Wdr83os,protein_coding	0.21874	0.435798
ENSMUSG00000052384.15,Nrros,protein_coding	0.21864	0.646889
ENSMUSG00000129437.1,Gm9925,lncRNA	0.21858	0.39514
ENSMUSG00000041515.11,Irf8,protein_coding	0.21856	0.863051
ENSMUSG00000032911.7,Cspg4,protein_coding	0.21856	0.425787
ENSMUSG00000132424.1,ENSMUSG00000132424,lncRNA	0.21836	0.692341
ENSMUSG00000054034.11,Tceal5,protein_coding	0.21831	0.432726
ENSMUSG00000003382.19,Etv3,protein_coding	0.21828	0.167542
ENSMUSG00000037709.14,Fam13a,protein_coding	0.21827	0.40015
ENSMUSG00000120193.2,Gm36457,lncRNA	0.21819	0.617342
ENSMUSG00000105708.2,Gm36070,lncRNA	0.21818	0.709929
ENSMUSG00000054364.6,Rhob,protein_coding	0.21807	0.191894
ENSMUSG00000019929.17,Dcn,protein_coding	0.21805	0.674267
ENSMUSG00000022383.14,Ppara,protein_coding	0.21797	0.575526
ENSMUSG00000117628.2,Gm50012,lncRNA	0.21795	0.626293
ENSMUSG00000040896.17,Kcnd3,protein_coding	0.21792	0.287178
ENSMUSG00000002006.13,Pdzd4,protein_coding	0.21787	0.430681
ENSMUSG00000036006.21,Ripor2,protein_coding	0.21779	0.491157
ENSMUSG00000104938.2,Gm42840,TEC	0.21779	0.658438
ENSMUSG00000038812.17,Trmt112,protein_coding	0.21773	0.561847
ENSMUSG00000076433.6,Cep295nl,protein_coding	0.2177	0.713336
ENSMUSG00000038967.14,Pdk2,protein_coding	0.21766	0.402165
ENSMUSG00000000738.19,Spg7,protein_coding	0.21755	0.227501
ENSMUSG00000058709.12,Egln2,protein_coding	0.21749	0.364704
ENSMUSG00000092192.8,Dnaaf4,protein_coding	0.2174	0.648351
ENSMUSG00000058351.12,Uqcc5,protein_coding	0.2173	0.6619
ENSMUSG00000077711.3,AF357399,snoRNA	0.21724	0.787582
ENSMUSG00000040356.17,Skic2,protein_coding	0.21718	0.262681
ENSMUSG00000078656.12,Vps25,protein_coding	0.21717	0.316973
ENSMUSG00000022865.15,Cxadr,protein_coding	0.21717	0.471835
ENSMUSG00000024580.9,Grpel2,protein_coding	0.21703	0.301884
ENSMUSG00000052763.8,Zfp212,protein_coding	0.21686	0.355011
ENSMUSG00000024833.16,Pola2,protein_coding	0.21676	0.726653
ENSMUSG00000022463.9,Srebf2,protein_coding	0.21674	0.217877
ENSMUSG00000057440.9,Mpp7,protein_coding	0.21671	0.524348
ENSMUSG00000065259.3,Snora30,snoRNA	0.21663	0.676188
ENSMUSG00000108092.2,Gm44189,TEC	0.21657	0.56553
ENSMUSG00000009549.15,Srp14,protein_coding	0.21657	0.247387
ENSMUSG00000028044.7,Cks1b,protein_coding	0.21651	0.83567

ENSMUSG00000020329.13,Polrmt,protein_coding	0.21643	0.247116
ENSMUSG00000034509.10,Mad2l1bp,protein_coding	0.21634	0.656626
ENSMUSG00000130714.1,ENSMUSG00000130714,lncRNA	0.2163	0.526541
ENSMUSG00000027255.15,Arfgap2,protein_coding	0.21625	0.168905
ENSMUSG00000022952.18,Runx1,protein_coding	0.21615	0.807412
ENSMUSG00000038150.8,Ormdl3,protein_coding	0.21594	0.277535
ENSMUSG00000110187.2,Gm45496,TEC	0.21592	0.708615
ENSMUSG00000020766.5,Galk1,protein_coding	0.21591	0.705626
ENSMUSG00000084887.3,Gm11749,lncRNA	0.21588	0.624375
ENSMUSG00000107529.2,Gm44291,TEC	0.21588	0.517637
ENSMUSG00000024182.19,Axin1,protein_coding	0.21586	0.234843
ENSMUSG00000055430.5,Nap1l5,protein_coding	0.21586	0.326115
ENSMUSG00000029270.11,Dipk1a,protein_coding	0.21582	0.411058
ENSMUSG00000032333.7,Stoml1,protein_coding	0.21581	0.402968
ENSMUSG00000118038.4,Gm9895,lncRNA	0.21572	0.648342
ENSMUSG00000085837.11,Kcnmb4os2,lncRNA	0.21569	0.691452
ENSMUSG00000047264.9,Zfp358,protein_coding	0.21568	0.517966
ENSMUSG00000116409.3,Gm34095,lncRNA	0.2156	0.926959
ENSMUSG00000027999.16,Pla2g12a,protein_coding	0.21559	0.331879
ENSMUSG00000036181.3,H1f2,protein_coding	0.21555	0.724289
ENSMUSG00000103251.2,Gm37519,TEC	0.21546	0.568147
ENSMUSG00000139879.1,ENSMUSG00000139879,lncRNA	0.21543	0.541331
ENSMUSG00000025170.14,Rab40b,protein_coding	0.21532	0.57612
ENSMUSG00000051375.16,Pcdh1,protein_coding	0.21528	0.498352
ENSMUSG00000030852.19,Tacc2,protein_coding	0.21513	0.311082
ENSMUSG00000046330.11,Rpl37a,protein_coding	0.21507	0.577509
ENSMUSG00000132124.1,ENSMUSG00000132124,lncRNA	0.21505	0.778527
ENSMUSG00000051346.10,Spryd4,protein_coding	0.21505	0.550556
ENSMUSG00000026470.15,Stx6,protein_coding	0.21502	0.150925
ENSMUSG00000121897.2,ENSMUSG00000121897,lncRNA	0.21501	0.608715
ENSMUSG00000023328.15,Ache,protein_coding	0.21487	0.54274
ENSMUSG00000029121.17,Crmp1,protein_coding	0.21484	0.368031
ENSMUSG00000136219.1,ENSMUSG00000136219,lncRNA	0.21478	0.753261
ENSMUSG00000001507.17,Itga3,protein_coding	0.21473	0.475892
ENSMUSG00000048807.3,Slc35e4,protein_coding	0.21467	0.525601
ENSMUSG00000003166.21,Dgcr2,protein_coding	0.21463	0.263676
ENSMUSG00000139213.1,ENSMUSG00000139213,lncRNA	0.2146	0.732421
ENSMUSG00000143937.1,ENSMUSG00000143937,lncRNA	0.21457	0.755071
ENSMUSG00000044894.15,Uqcrq,protein_coding	0.21456	0.459117
ENSMUSG00000022793.18,B4galt4,protein_coding	0.21448	0.260749
ENSMUSG00000025155.16,Dus1l,protein_coding	0.21446	0.291581
ENSMUSG00000036686.17,Cc2d1a,protein_coding	0.2144	0.343903
ENSMUSG00000092074.3,Dynlt1a,protein_coding	0.21436	0.442664
ENSMUSG00000040502.6,Marchf9,protein_coding	0.21435	0.383414
ENSMUSG00000079435.10,Rpl36a,protein_coding	0.21432	0.60909
ENSMUSG00000006386.16,Tek,protein_coding	0.2143	0.422879
ENSMUSG00000027430.13,Dtd1,protein_coding	0.21427	0.473207
ENSMUSG00000062075.14,Lmnb2,protein_coding	0.21414	0.299561
ENSMUSG00000022253.18,Nadk2,protein_coding	0.21411	0.386505
ENSMUSG00000117246.2,Gm17891,processed_pseudogene	0.2141	0.782201
ENSMUSG00000086448.2,9330162012Rik,lncRNA	0.21407	0.43716
ENSMUSG00000049929.8,Lpar4,protein_coding	0.21398	0.576196

ENSMUSG00000038542.15,Pcid2,protein_coding	0.21391	0.211501
ENSMUSG00000032802.9,Srxn1,protein_coding	0.2139	0.316673
ENSMUSG00000067736.3,Gm10222,unprocessed_pseudogene	0.21389	0.725985
ENSMUSG00000009356.13,Lpo,protein_coding	0.21388	0.784289
ENSMUSG00000097729.5,2310015A10Rik,lncRNA	0.21382	0.397748
ENSMUSG00000063954.8,H2ac19,protein_coding	0.21379	0.701309
ENSMUSG00000028923.15,Necap2,protein_coding	0.21377	0.351549
ENSMUSG00000031431.14,Tsc22d3,protein_coding	0.21375	0.441739
ENSMUSG00000005378.18,Bud23,protein_coding	0.21367	0.32427
ENSMUSG00000026009.15,Icos,protein_coding	0.21365	0.839776
ENSMUSG00000103884.2,Gm37005,TEC	0.21361	0.793289
ENSMUSG00000107216.2,2210412B16Rik,TEC	0.2136	0.777248
ENSMUSG00000030043.12,Tacr1,protein_coding	0.21358	0.64329
ENSMUSG00000134258.1,ENSMUSG00000134258,lncRNA	0.21355	0.582647
ENSMUSG00000022305.14,Lrp12,protein_coding	0.21354	0.281393
ENSMUSG00000072235.7,Tuba1a,protein_coding	0.21353	0.452816
ENSMUSG00000030022.15,Adamts9,protein_coding	0.21353	0.338682
ENSMUSG00000007030.9,Vwa7,protein_coding	0.21351	0.674581
ENSMUSG00000040269.6,Mrps28,protein_coding	0.21348	0.618954
ENSMUSG00000026424.9,Gpr37l1,protein_coding	0.2134	0.323624
ENSMUSG00000010054.5,Tusc2,protein_coding	0.21312	0.441223
ENSMUSG00000035125.11,Gcfc2,protein_coding	0.213	0.510324
ENSMUSG00000033152.14,Podxl2,protein_coding	0.213	0.529457
ENSMUSG00000026843.16,Fubp3,protein_coding	0.21283	0.180872
ENSMUSG00000032487.9,Ptgs2,protein_coding	0.21273	0.646148
ENSMUSG00000020474.12,Polm,protein_coding	0.21266	0.562572
ENSMUSG00000064351.1,mt-Co1,protein_coding	0.21265	0.629737
ENSMUSG00000089671.3,Gm16537,lncRNA	0.21263	0.685463
ENSMUSG00000017390.16,Aldoc,protein_coding	0.21254	0.33059
ENSMUSG00000026805.15,Barhl1,protein_coding	0.21251	0.743013
ENSMUSG00000117505.2,Gm9993,lncRNA	0.2125	0.553786
ENSMUSG00000061458.10,Nol10,protein_coding	0.21247	0.32206
ENSMUSG00000056938.18,Acbd4,protein_coding	0.21246	0.299454
ENSMUSG00000109865.2,Hspa14,protein_coding	0.21228	0.330601
ENSMUSG00000029066.13,Mrpl20,protein_coding	0.21222	0.378209
ENSMUSG00000051146.4,Camk2n2,protein_coding	0.2122	0.536588
ENSMUSG00000118057.2,B020010K11Rik,lncRNA	0.21219	0.585836
ENSMUSG00000115333.3,Gm34590,lncRNA	0.21208	0.705017
ENSMUSG00000031158.13,Timm17b,protein_coding	0.21207	0.361279
ENSMUSG00000031258.5,Xkrx,protein_coding	0.21199	0.544733
ENSMUSG00000015027.12,Galns,protein_coding	0.21199	0.665684
ENSMUSG00000023999.15,Kif6,protein_coding	0.21195	0.686895
ENSMUSG00000032306.15,Mpi,protein_coding	0.21192	0.339978
ENSMUSG00000021340.14,Gpld1,protein_coding	0.21181	0.282698
ENSMUSG00000031605.9,Klhl2,protein_coding	0.21179	0.424387
ENSMUSG00000017801.16,Mlx,protein_coding	0.21177	0.28133
ENSMUSG00000030744.14,Rps3,protein_coding	0.21174	0.591647
ENSMUSG00000038560.8,Sp6,protein_coding	0.21171	0.779554
ENSMUSG00000110895.2,Gm48822,TEC	0.21171	0.463254
ENSMUSG00000036661.15,Dennd3,protein_coding	0.2117	0.652836
ENSMUSG00000002957.12,Ap2a2,protein_coding	0.21164	0.308631
ENSMUSG00000002985.17,Apoe,protein_coding	0.21162	0.417925

ENSMUSG00000106497.2,Gm43195,TEC	0.21157	0.594558
ENSMUSG00000026829.10,Gbgt1,protein_coding	0.21129	0.776615
ENSMUSG00000049305.7,Ccdc71,protein_coding	0.21127	0.344664
ENSMUSG00000029022.19,Miip,protein_coding	0.21127	0.504017
ENSMUSG00000098134.2,Rnf113a2,protein_coding	0.21123	0.577705
ENSMUSG00000028803.19,Nipal3,protein_coding	0.21109	0.357349
ENSMUSG00000121378.2,ENSMUSG00000121378,lncRNA	0.21107	0.367414
ENSMUSG00000021368.16,Tbc1d7,protein_coding	0.21097	0.460285
ENSMUSG00000039542.17,Ncam1,protein_coding	0.21093	0.30025
ENSMUSG00000046240.9,Hepacam,protein_coding	0.21085	0.163169
ENSMUSG00000108199.2,Gm44249,TEC	0.21076	0.742409
ENSMUSG00000044700.16,Tmem201,protein_coding	0.21074	0.333437
ENSMUSG00000036766.13,Dner,protein_coding	0.21072	0.450051
ENSMUSG00000120048.2,Gm57084,lncRNA	0.21067	0.575869
ENSMUSG00000040631.9,Dok4,protein_coding	0.21057	0.570025
ENSMUSG00000036473.17,Tbc1d24,protein_coding	0.21053	0.322148
ENSMUSG00000109648.2,Svet1,TEC	0.21043	0.511074
ENSMUSG00000025533.16,Asl,protein_coding	0.21039	0.571368
ENSMUSG00000122069.1,ENSMUSG00000122069,lncRNA	0.21031	0.739214
ENSMUSG00000110142.2,Gm45872,TEC	0.21012	0.732312
ENSMUSG00000038545.14,Cul7,protein_coding	0.2101	0.483805
ENSMUSG00000023017.11,Asic1,protein_coding	0.2101	0.346395
ENSMUSG00000024371.15,C2,protein_coding	0.21009	0.680081
ENSMUSG00000028758.13,Kif17,protein_coding	0.20998	0.561145
ENSMUSG00000053291.16,Rab4b,protein_coding	0.20987	0.410075
ENSMUSG00000137557.1,ENSMUSG00000137557,lncRNA	0.20981	0.65212
ENSMUSG00000031400.11,G6pdx,protein_coding	0.20974	0.354108
ENSMUSG00000031979.18,Cog2,protein_coding	0.20971	0.289987
ENSMUSG00000030930.15,Chst15,protein_coding	0.20971	0.276912
ENSMUSG00000061882.14,Ccdc62,protein_coding	0.20968	0.52223
ENSMUSG00000110760.3,Gm39456,lncRNA	0.20967	0.806568
ENSMUSG00000106354.2,Gm42607,TEC	0.20966	0.575522
ENSMUSG00000028070.8,Naxe,protein_coding	0.20959	0.539277
ENSMUSG00000077563.3,Snora68,snoRNA	0.20955	0.531312
ENSMUSG00000066537.6,Vmn2r57,protein_coding	0.20954	0.528999
ENSMUSG00000103857.2,Gm37249,TEC	0.20936	0.570907
ENSMUSG00000042569.14,Dhrs7b,protein_coding	0.20928	0.365414
ENSMUSG00000016427.8,Ndufa1,protein_coding	0.2092	0.533188
ENSMUSG00000087377.4,AV099323,lncRNA	0.20908	0.828391
ENSMUSG00000049230.9,Myef2l,protein_coding	0.20898	0.511617
ENSMUSG00000055675.7,Kbtbd11,protein_coding	0.20897	0.282183
ENSMUSG00000024038.18,Ndufv3,protein_coding	0.20892	0.353113
ENSMUSG00000065778.3,Gm22154,snoRNA	0.20888	0.628963
ENSMUSG00000087006.4,Gm13889,protein_coding	0.20888	0.481223
ENSMUSG00000020831.19,0610010K14Rik,protein_coding	0.20885	0.430871
ENSMUSG00000042709.17,Atpaf2,protein_coding	0.20878	0.415979
ENSMUSG00000058159.15,T2,protein_coding	0.20857	0.798034
ENSMUSG00000036246.15,Gmip,protein_coding	0.20849	0.659745
ENSMUSG00000039620.18,Trmt9b,protein_coding	0.20841	0.711329
ENSMUSG00000108053.2,Gm43890,TEC	0.20831	0.723039
ENSMUSG00000059173.21,Pde1a,protein_coding	0.20829	0.555103
ENSMUSG00000110877.2,Gm47427,TEC	0.20821	0.693912

ENSMUSG00000102553.2,D930036K23Rik,TEC	0.20816	0.415174
ENSMUSG00000005142.11,Man2b1,protein_coding	0.20815	0.453228
ENSMUSG00000105607.2,Gm43513,TEC	0.20813	0.680205
ENSMUSG00000042918.18,Mamstr,protein_coding	0.20811	0.538435
ENSMUSG00000055862.8,Izumo4,protein_coding	0.20807	0.421589
ENSMUSG00000038451.14,Spsb2,protein_coding	0.20806	0.66694
ENSMUSG00000045211.6,Nudt18,protein_coding	0.20788	0.313781
ENSMUSG00000097346.3,Rps18-ps4,lncRNA	0.20772	0.758357
ENSMUSG00000106054.2,Gm43623,lncRNA	0.20772	0.532451
ENSMUSG00000108741.2,Gm44553,TEC	0.20766	0.468181
ENSMUSG00000050071.9,Bex1,protein_coding	0.20741	0.354052
ENSMUSG00000030055.17,Rab43,protein_coding	0.20706	0.629283
ENSMUSG00000063260.3,Syt10,protein_coding	0.207	0.576561
ENSMUSG00000079426.14,Arpc4,protein_coding	0.20697	0.256674
ENSMUSG00000022614.9,Lmf2,protein_coding	0.20687	0.563265
ENSMUSG00000058975.8,Kcnc1,protein_coding	0.20674	0.429462
ENSMUSG00000137821.1,ENSMUSG00000137821,lncRNA	0.20657	0.581755
ENSMUSG00000021846.11,Peli2,protein_coding	0.20657	0.278111
ENSMUSG00000027848.14,Olfml3,protein_coding	0.20654	0.454099
ENSMUSG00000090936.4,Gm17705,lncRNA	0.20636	0.664885
ENSMUSG00000022094.16,Slc39a14,protein_coding	0.20631	0.197536
ENSMUSG00000097350.5,4732491K20Rik,lncRNA	0.2063	0.342496
ENSMUSG00000024376.8,Epb41l4a,protein_coding	0.20629	0.591417
ENSMUSG00000030056.9,Isy1,protein_coding	0.20628	0.079561
ENSMUSG00000127505.1,ENSMUSG00000127505,lncRNA	0.20612	0.540201
ENSMUSG00000011254.17,Thg1l,protein_coding	0.2061	0.361788
ENSMUSG00000139989.1,ENSMUSG00000139989,lncRNA	0.20604	0.365215
ENSMUSG00000030409.17,Dmpk,protein_coding	0.20588	0.584514
ENSMUSG00000085389.10,1700003M07Rik,lncRNA	0.20579	0.542203
ENSMUSG00000030204.11,Ddx47,protein_coding	0.20575	0.132127
ENSMUSG00000049303.11,Syt12,protein_coding	0.20572	0.462429
ENSMUSG00000044477.13,Zfand3,protein_coding	0.20568	0.103084
ENSMUSG00000028329.14,Xpa,protein_coding	0.20562	0.497456
ENSMUSG00000015023.8,Ddx19a,protein_coding	0.20561	0.372749
ENSMUSG00000138342.1,ENSMUSG00000138342,lncRNA	0.20558	0.842574
ENSMUSG00000022453.9,Naga,protein_coding	0.20556	0.504387
ENSMUSG00000029560.13,Snx8,protein_coding	0.20555	0.659058
ENSMUSG00000025950.17,Idh1,protein_coding	0.20553	0.372219
ENSMUSG00000138169.1,ENSMUSG00000138169,lncRNA	0.20552	0.717188
ENSMUSG00000039193.10,Nlrc4,protein_coding	0.20545	0.871451
ENSMUSG00000064341.1,mt-Nd1,protein_coding	0.20543	0.667879
ENSMUSG00000037012.19,Hk1,protein_coding	0.20541	0.420991
ENSMUSG00000028798.17,Eif3i,protein_coding	0.2054	0.40353
ENSMUSG00000066440.6,Zfyve26,protein_coding	0.20528	0.404511
ENSMUSG00000028840.11,Zfp593,protein_coding	0.20526	0.645652
ENSMUSG00000067148.16,Polr1c,protein_coding	0.20525	0.496224
ENSMUSG00000077457.3,Snord65,snoRNA	0.20516	0.808634
ENSMUSG00000025436.13,Atp23,protein_coding	0.20516	0.381051
ENSMUSG00000121881.2,Dnaaf8,lncRNA	0.20506	0.475871
ENSMUSG00000034908.17,Sidt2,protein_coding	0.20505	0.19625
ENSMUSG00000020520.15,Galnt10,protein_coding	0.20497	0.512409
ENSMUSG00000002346.18,Slc25a42,protein_coding	0.20494	0.447518

ENSMUSG00000031824.16,6430548M08Rik,protein_coding	0.20487	0.373373
ENSMUSG00000021671.10,Poc5,protein_coding	0.20485	0.125534
ENSMUSG00000006526.14,Stimate,protein_coding	0.20475	0.322307
ENSMUSG00000033306.16,Lpp,protein_coding	0.20472	0.659345
ENSMUSG00000008136.15,Fhl2,protein_coding	0.2046	0.600455
ENSMUSG00000021483.9,Cdk20,protein_coding	0.20452	0.351678
ENSMUSG00000117698.4,BC037704,lncRNA	0.20451	0.666527
ENSMUSG00000040006.14,Ginm1,protein_coding	0.20444	0.372463
ENSMUSG00000022554.8,Hgh1,protein_coding	0.20443	0.494947
ENSMUSG00000086193.4,Gm11508,lncRNA	0.20435	0.605781
ENSMUSG00000104927.4,Gm43388,lncRNA	0.20434	0.93309
ENSMUSG00000113154.2,Gm48713,TEC	0.20425	0.802471
ENSMUSG00000046598.16,Bdh1,protein_coding	0.20423	0.336885
ENSMUSG00000029851.6,Tcaf2,protein_coding	0.20419	0.804859
ENSMUSG00000049354.9,Dcaf7,protein_coding	0.20417	0.27182
ENSMUSG00000028893.9,Sesn2,protein_coding	0.20414	0.67552
ENSMUSG00000029860.17,Zyx,protein_coding	0.20405	0.347294
ENSMUSG00000048728.16,Zfp454,protein_coding	0.20398	0.543121
ENSMUSG00000019822.13,Smpd2,protein_coding	0.20397	0.487974
ENSMUSG00000020736.13,Nt5c,protein_coding	0.20375	0.58148
ENSMUSG00000023224.13,Serping1,protein_coding	0.20373	0.748409
ENSMUSG00000088689.3,Scarna17,scaRNA	0.20371	0.58545
ENSMUSG00000001627.13,Ifrd1,protein_coding	0.2037	0.437911
ENSMUSG00000021223.14,Papln,protein_coding	0.2037	0.687403
ENSMUSG00000057530.15,Ece1,protein_coding	0.20363	0.329513
ENSMUSG00000041126.17,H2az2,protein_coding	0.20354	0.496579
ENSMUSG00000032194.10,Kank2,protein_coding	0.20354	0.644988
ENSMUSG00000121225.1,Gm57457,lncRNA	0.2035	0.451766
ENSMUSG00000036504.7,Phpt1,protein_coding	0.20348	0.373074
ENSMUSG00000025508.14,Rplp2,protein_coding	0.20343	0.674384
ENSMUSG00000054871.6,Tmem158,protein_coding	0.2033	0.613017
ENSMUSG00000038178.17,Slc43a2,protein_coding	0.20329	0.332407
ENSMUSG00000032086.13,Bace1,protein_coding	0.20328	0.263328
ENSMUSG00000107894.2,Gm10388,TEC	0.20326	0.836393
ENSMUSG00000037992.17,Rara,protein_coding	0.20317	0.572521
ENSMUSG00000006471.19,Ndor1,protein_coding	0.2031	0.320309
ENSMUSG00000014294.5,Ndufa2,protein_coding	0.20299	0.485418
ENSMUSG00000041605.17,Inava,protein_coding	0.20298	0.814433
ENSMUSG00000056656.7,Apol8,protein_coding	0.20296	0.545262
ENSMUSG00000005338.15,Cadm3,protein_coding	0.20285	0.435915
ENSMUSG00000102959.2,Gm37015,TEC	0.20279	0.767848
ENSMUSG00000026062.13,Slc9a2,protein_coding	0.20277	0.647328
ENSMUSG00000041329.14,Atp1b2,protein_coding	0.20274	0.416721
ENSMUSG00000133186.1,ENSMUSG00000133186,lncRNA	0.20256	0.798535
ENSMUSG00000046541.10,Zfp526,protein_coding	0.20241	0.34657
ENSMUSG00000124170.1,ENSMUSG00000124170,lncRNA	0.20241	0.701891
ENSMUSG00000025204.11,Ndufb8,protein_coding	0.20232	0.432699
ENSMUSG00000001054.10,Rmnd5b,protein_coding	0.20232	0.311564
ENSMUSG00000097402.3,Gm17399,lncRNA	0.20224	0.757471
ENSMUSG00000083246.2,Gm11839,processed_pseudogene	0.20221	0.708191
ENSMUSG00000037316.10,Bag4,protein_coding	0.20217	0.309654
ENSMUSG00000030403.10,Vasp,protein_coding	0.20217	0.766028

ENSMUSG00000130149.1,ENSMUSG00000130149,lncRNA	0.20216	0.769104
ENSMUSG00000066894.15,Vsig10,protein_coding	0.20209	0.535522
ENSMUSG00000119432.1,Snord50b,snoRNA	0.20209	0.793233
ENSMUSG00000119491.1,Gm26135,snoRNA	0.20209	0.793233
ENSMUSG00000028675.13,Pnrc2,protein_coding	0.20202	0.47097
ENSMUSG00000042507.16,Mideas,protein_coding	0.202	0.361112
ENSMUSG00000027333.19,Smox,protein_coding	0.20195	0.389409
ENSMUSG00000026072.13,Il1r1,protein_coding	0.2018	0.40211
ENSMUSG00000066554.7,Gm10167,processed_pseudogene	0.20168	0.700017
ENSMUSG00000095295.10,Gm3488,protein_coding	0.20159	0.863381
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ENSMUSG00000055839.7,Elob,protein_coding	0.20154	0.422022
ENSMUSG00000031785.17,Adgrg1,protein_coding	0.20146	0.497004
ENSMUSG00000020431.6,Adcy1,protein_coding	0.20146	0.538393
ENSMUSG00000086454.10,Platr14,lncRNA	0.20141	0.862618
ENSMUSG00000006299.14,Aamp,protein_coding	0.20136	0.378814
ENSMUSG00000030330.16,Ing4,protein_coding	0.2013	0.20062
ENSMUSG00000135829.1,ENSMUSG00000135829,lncRNA	0.20122	0.757773
ENSMUSG00000029632.8,Ndufa4,protein_coding	0.20118	0.423722
ENSMUSG00000120218.2,Gm42056,lncRNA	0.20118	0.816572
ENSMUSG00000021260.9,Hhipl1,protein_coding	0.20113	0.589261
ENSMUSG00000114024.4,Gm46336,lncRNA	0.201	0.755102
ENSMUSG00000069678.11,Pcgf1,protein_coding	0.20088	0.548354
ENSMUSG00000028385.15,Snx30,protein_coding	0.20085	0.255518
ENSMUSG00000087413.4,Gm11266,lncRNA	0.20083	0.636743
ENSMUSG00000022561.14,Gpaa1,protein_coding	0.20068	0.46168
ENSMUSG00000003644.18,Rps6ka1,protein_coding	0.20064	0.703333
ENSMUSG00000055639.17,Dach1,protein_coding	0.20054	0.491544
ENSMUSG00000025968.17,Ndufs1,protein_coding	0.20046	0.13647
ENSMUSG00000000673.10,Haao,protein_coding	0.20036	0.897159
ENSMUSG00000107363.2,Gm43373,TEC	0.20035	0.712384
ENSMUSG00000031935.10,Med17,protein_coding	0.20032	0.25151
ENSMUSG00000102621.2,Gm37674,TEC	0.2003	0.62443
ENSMUSG00000051331.17,Cacna1c,protein_coding	0.2003	0.352694
ENSMUSG00000028937.15,Acot7,protein_coding	0.20024	0.461568
ENSMUSG00000032850.17,Rnft2,protein_coding	0.20021	0.471764
ENSMUSG00000108402.2,9430064I24Rik,TEC	0.20007	0.626551
ENSMUSG00002076766.1,Snord33,snoRNA	0.20003	0.77932
ENSMUSG00000090946.4,Ccdc71l,protein_coding	0.19993	0.30585
ENSMUSG00000035342.15,Lzts2,protein_coding	0.19983	0.439199
ENSMUSG00000040536.16,Necab1,protein_coding	0.19978	0.606642
ENSMUSG00000025139.15,Tollip,protein_coding	0.19967	0.271517
ENSMUSG00000028889.18,Yrdc,protein_coding	0.1996	0.421763
ENSMUSG00000073481.10,Mtarc2,protein_coding	0.19955	0.216015
ENSMUSG00000061983.8,Rps12,protein_coding	0.19951	0.712263
ENSMUSG00000051323.17,Pcdh19,protein_coding	0.1995	0.523969
ENSMUSG00000020135.14,Apc2,protein_coding	0.19949	0.450799
ENSMUSG00000106047.2,Gm42942,TEC	0.1994	0.584795
ENSMUSG00000040249.16,Lrp1,protein_coding	0.19932	0.330743
ENSMUSG00000041241.13,Mul1,protein_coding	0.19927	0.401765
ENSMUSG00000003534.18,Ddr1,protein_coding	0.1991	0.338184
ENSMUSG00000027889.18,Ampd2,protein_coding	0.1991	0.431809

ENSMUSG00000020277.11,Pfkl,protein_coding	0.19895	0.437791
ENSMUSG00000046605.15,B3gntl1,protein_coding	0.19879	0.443754
ENSMUSG00000025203.7,Scd2,protein_coding	0.19878	0.199299
ENSMUSG00000053553.12,3110082I17Rik,protein_coding	0.19875	0.529652
ENSMUSG00000022037.16,Clu,protein_coding	0.19869	0.405588
ENSMUSG00000050875.12,Minar2,protein_coding	0.19866	0.584284
ENSMUSG00000097537.5,2610020C07Rik,lncRNA	0.19865	0.65732
ENSMUSG00000102147.2,Gm38055,TEC	0.19861	0.692426
ENSMUSG00000003378.10,Grik5,protein_coding	0.19834	0.536813
ENSMUSG00000041870.18,Ankrd13a,protein_coding	0.19833	0.341816
ENSMUSG00000053963.8,Stum,protein_coding	0.19822	0.649295
ENSMUSG00000039307.17,Hexd,protein_coding	0.19811	0.290541
ENSMUSG00000036768.7,Kif15,protein_coding	0.19808	0.877661
ENSMUSG00000054545.18,Ugt1a6a,protein_coding	0.19806	0.770601
ENSMUSG00000126016.1,ENSMUSG00000126016,lncRNA	0.19802	0.658026
ENSMUSG00000043059.17,Zfp513,protein_coding	0.19796	0.362786
ENSMUSG00000124948.1,ENSMUSG00000124948,lncRNA	0.19782	0.613456
ENSMUSG00000047261.10,Gap43,protein_coding	0.19781	0.549945
ENSMUSG00000022126.7,Acod1,protein_coding	0.1978	0.907134
ENSMUSG00000070802.6,Pnma8b,protein_coding	0.19778	0.521732
ENSMUSG00000021388.15,Aspn,protein_coding	0.19777	0.651798
ENSMUSG00000083650.2,Gm13357,processed_pseudogene	0.19776	0.718913
ENSMUSG00000019080.9,Mfsd3,protein_coding	0.19763	0.745324
ENSMUSG00000077167.3,Gm24119,snoRNA	0.19746	0.628179
ENSMUSG00000060224.5,Pyroxd2,protein_coding	0.19744	0.516472
ENSMUSG00000022388.15,Ttll8,protein_coding	0.19739	0.700339
ENSMUSG00000065034.3,Gm22363,snRNA	0.19721	0.731374
ENSMUSG00000040339.11,Eeig2,protein_coding	0.19701	0.462092
ENSMUSG00000064451.3,Snora23,snoRNA	0.197	0.699706
ENSMUSG00000002799.7,Jag2,protein_coding	0.19699	0.549145
ENSMUSG00000070337.5,Gpr179,protein_coding	0.19698	0.690525
ENSMUSG00000105653.2,Gm43831,TEC	0.19695	0.555476
ENSMUSG00000028973.19,Abcb8,protein_coding	0.19687	0.394602
ENSMUSG00000136297.1,ENSMUSG00000136297,lncRNA	0.19684	0.720495
ENSMUSG00000022434.9,Fam118a,protein_coding	0.19679	0.28689
ENSMUSG00000042608.16,Stk40,protein_coding	0.1967	0.255738
ENSMUSG00000059482.16,Cfap418,protein_coding	0.19665	0.432026
ENSMUSG00000029313.19,Aff1,protein_coding	0.19656	0.494347
ENSMUSG00000020810.6,Cygb,protein_coding	0.19649	0.545564
ENSMUSG00000039914.7,Coq10a,protein_coding	0.19648	0.315211
ENSMUSG00000001419.18,Mef2d,protein_coding	0.19644	0.345175
ENSMUSG00000044030.5,Irf2bp1,protein_coding	0.1963	0.370637
ENSMUSG00000050567.17,Maml1,protein_coding	0.19615	0.29326
ENSMUSG00000032051.10,Fdx1,protein_coding	0.19615	0.493808
ENSMUSG00000047880.16,Cxcr5,protein_coding	0.1961	0.90013
ENSMUSG00000030750.14,Nsmce1,protein_coding	0.19604	0.586833
ENSMUSG00000045128.10,Rpl18a,protein_coding	0.19603	0.712408
ENSMUSG00000032599.13,Ip6k2,protein_coding	0.19601	0.161506
ENSMUSG00000132973.1,ENSMUSG00000132973,lncRNA	0.19599	0.792261
ENSMUSG00000027499.13,Pkia,protein_coding	0.19593	0.418139
ENSMUSG00000115987.2,Vps28,protein_coding	0.19588	0.406032
ENSMUSG00000105568.2,Gm42971,TEC	0.19577	0.684299

ENSMUSG00000108242.2,9330118I20Rik,lncRNA	0.19574	0.738719
ENSMUSG00000010066.17,Cacna2d2,protein_coding	0.19552	0.476789
ENSMUSG00000022885.17,St6gal1,protein_coding	0.19549	0.737306
ENSMUSG00000086035.4,Gm12610,lncRNA	0.19542	0.898318
ENSMUSG00000074457.11,S100a16,protein_coding	0.19534	0.443018
ENSMUSG00000078886.13,Gm2026,protein_coding	0.19533	0.608465
ENSMUSG00000098024.4,Gm27003,lncRNA	0.19528	0.726325
ENSMUSG00000071226.12,Cecr2,protein_coding	0.19514	0.732657
ENSMUSG00000017747.14,Ghdc,protein_coding	0.19488	0.60436
ENSMUSG00000032459.10,Mrps22,protein_coding	0.19485	0.272437
ENSMUSG00000102650.2,Gm19863,TEC	0.19482	0.670865
ENSMUSG00000000567.6,Sox9,protein_coding	0.19455	0.29157
ENSMUSG00000074506.5,Gm10705,processed_pseudogene	0.19454	0.751519
ENSMUSG00000068263.12,Efcc1,protein_coding	0.19452	0.576877
ENSMUSG00000047153.5,Khnyn,protein_coding	0.19448	0.532212
ENSMUSG00000097911.4,Gm26691,lncRNA	0.19448	0.597725
ENSMUSG00000084421.3,Gm25107,snoRNA	0.19442	0.736029
ENSMUSG00000029998.15,Pcyox1,protein_coding	0.19424	0.327751
ENSMUSG00000008307.12,1700109H08Rik,protein_coding	0.19421	0.47561
ENSMUSG00000002064.11,Sdf2,protein_coding	0.19407	0.452747
ENSMUSG00000023886.11,Smoc2,protein_coding	0.19404	0.592966
ENSMUSG00000035139.15,Secisbp2,protein_coding	0.194	0.303633
ENSMUSG00000108607.3,Gm44646,lncRNA	0.19386	0.776294
ENSMUSG00000065629.4,Gm24826,snoRNA	0.19366	0.829732
ENSMUSG00000028701.5,Lurap1,protein_coding	0.19363	0.658785
ENSMUSG00000050088.10,1600012H06Rik,protein_coding	0.19362	0.43854
ENSMUSG00000014444.18,Piezo1,protein_coding	0.19348	0.775858
ENSMUSG00000090799.3,Klhl33,protein_coding	0.19345	0.532128
ENSMUSG00000035576.14,L3mbtl1,protein_coding	0.19343	0.630631
ENSMUSG00000124529.1,AA543186,lncRNA	0.19333	0.658004
ENSMUSG00000109874.2,Gm9911,TEC	0.19333	0.612546
ENSMUSG00000083380.2,Ndufb4c,transcribed_processed_pseudogene	0.19325	0.545539
ENSMUSG00000040258.7,Nxph4,protein_coding	0.19323	0.749309
ENSMUSG00000116822.2,Gm41504,TEC	0.19322	0.779227
ENSMUSG00000028597.12,Gpx7,protein_coding	0.19311	0.70149
ENSMUSG00000106475.2,Gm43011,TEC	0.19309	0.616502
ENSMUSG00000004633.18,Chn2,protein_coding	0.19305	0.75211
ENSMUSG00000037916.15,Ndufv1,protein_coding	0.19303	0.481179
ENSMUSG00000017057.10,Il13ra1,protein_coding	0.19293	0.610044
ENSMUSG00000037278.10,Tmem97,protein_coding	0.19288	0.488694
ENSMUSG00000035877.18,Zhx3,protein_coding	0.19286	0.253559
ENSMUSG00000064380.3,Gm26448,snoRNA	0.19277	0.740128
ENSMUSG00000044730.18,Airim,protein_coding	0.19271	0.259007
ENSMUSG00000087578.3,Ccdc142os,lncRNA	0.19269	0.747148
ENSMUSG00000039826.14,Trub2,protein_coding	0.19233	0.232482
ENSMUSG00000007570.17,Fance,protein_coding	0.19217	0.599944
ENSMUSG00000118071.2,Gm50455,lncRNA	0.19217	0.726789
ENSMUSG00000045589.8,Frrs1l,protein_coding	0.19215	0.494484
ENSMUSG00000029727.8,Cyp3a13,protein_coding	0.19213	0.643425
ENSMUSG00000034403.17,Pja1,protein_coding	0.19208	0.421543
ENSMUSG00000020658.11,Efr3b,protein_coding	0.19207	0.260532
ENSMUSG00000025158.8,Rfng,protein_coding	0.19204	0.498489

ENSMUSG00000130479.1,ENSMUSG00000130479,lncRNA	0.19199	0.745683
ENSMUSG00000056296.18,Synpr,protein_coding	0.19197	0.569672
ENSMUSG00000047407.18,Tgif1,protein_coding	0.19195	0.868607
ENSMUSG00000120198.2,Gm4633,lncRNA	0.19177	0.750258
ENSMUSG00000018932.10,Map2k3,protein_coding	0.19173	0.439747
ENSMUSG00000026126.16,Ptpn18,protein_coding	0.1917	0.825073
ENSMUSG00000010376.17,Nedd8,protein_coding	0.19156	0.438147
ENSMUSG00000024963.13,Dnajc4,protein_coding	0.19154	0.579739
ENSMUSG00000106499.2,Gm9403,processed_pseudogene	0.1915	0.641771
ENSMUSG00000038034.16,Igsf8,protein_coding	0.19147	0.556858
ENSMUSG00000113361.3,B930059L03Rik,lncRNA	0.19146	0.71295
ENSMUSG00000051111.17,Sv2c,protein_coding	0.1914	0.492177
ENSMUSG00000029861.18,Fam131b,protein_coding	0.19136	0.445231
ENSMUSG00000024232.3,Bambi,protein_coding	0.19129	0.646873
ENSMUSG00000088308.3,Gm24507,snoRNA	0.19121	0.779131
ENSMUSG00000030400.18,Ercc2,protein_coding	0.19114	0.399918
ENSMUSG00000032185.17,Carm1,protein_coding	0.19113	0.296046
ENSMUSG00000115317.4,Gm32618,lncRNA	0.19111	0.60156
ENSMUSG00000107116.2,Gm43274,TEC	0.1909	0.52155
ENSMUSG00000032558.20,Nphp3,protein_coding	0.19087	0.333489
ENSMUSG00000038286.12,Bphl,protein_coding	0.19085	0.485515
ENSMUSG00000070891.3,Gm12689,lncRNA	0.19079	0.666045
ENSMUSG00000103466.2,Gm37247,TEC	0.19076	0.626017
ENSMUSG00000121015.1,Gm56721,lncRNA	0.19067	0.708472
ENSMUSG00000073538.13,E330020D12Rik,lncRNA	0.19059	0.892433
ENSMUSG00000132590.1,ENSMUSG00000132590,lncRNA	0.19053	0.712732
ENSMUSG00000037852.9,Cpe,protein_coding	0.1904	0.403014
ENSMUSG00000042353.10,Frem3,protein_coding	0.19039	0.736421
ENSMUSG00000028959.15,Fastk,protein_coding	0.19011	0.364649
ENSMUSG00000034656.19,Cacna1a,protein_coding	0.19009	0.455364
ENSMUSG00000062785.15,Kcnc3,protein_coding	0.19007	0.55636
ENSMUSG00000096210.3,H1f0,protein_coding	0.19006	0.239749
ENSMUSG00000001151.11,Pcnt,protein_coding	0.19006	0.274443
ENSMUSG00000030428.17,Ttyh1,protein_coding	0.19005	0.25159
ENSMUSG00000078348.5,Sf3b5,protein_coding	0.18987	0.591291
ENSMUSG00000028126.17,Pip5k1a,protein_coding	0.18986	0.188425
ENSMUSG00000020167.15,Tcf3,protein_coding	0.18979	0.709357
ENSMUSG00000105290.2,Gm43528,TEC	0.18977	0.651649
ENSMUSG00000024049.16,Myom1,protein_coding	0.18964	0.622202
ENSMUSG00000022808.6,Snx4,protein_coding	0.18948	0.187746
ENSMUSG00000097194.5,9330175E14Rik,lncRNA	0.18945	0.88774
ENSMUSG00000085175.10,Gm11423,lncRNA	0.18944	0.710398
ENSMUSG00000128555.1,ENSMUSG00000128555,lncRNA	0.18942	0.713341
ENSMUSG00000086999.3,Bcas1os2,lncRNA	0.18934	0.75425
ENSMUSG00000019577.7,Pdk4,protein_coding	0.18927	0.534336
ENSMUSG00000029030.15,Tprg1l,protein_coding	0.18917	0.196118
ENSMUSG00000047907.12,Tshz2,protein_coding	0.18907	0.553503
ENSMUSG00000025409.15,Mbd6,protein_coding	0.18906	0.461966
ENSMUSG00000090785.2,Gm17116,lncRNA	0.18903	0.830658
ENSMUSG00000031157.11,Pqbp1,protein_coding	0.18896	0.433113
ENSMUSG00000041199.4,Rpusd1,protein_coding	0.18889	0.508446
ENSMUSG00000110124.2,Gm4247,transcribed_processed_pseudogene	0.18889	0.768541

ENSMUSG00000058927.7,Gm10053,protein_coding	0.18886	0.545165
ENSMUSG00000103472.2,Pcdhga7,protein_coding	0.18881	0.387165
ENSMUSG00000019505.8,Ubb,protein_coding	0.1888	0.578187
ENSMUSG00000038705.14,Gmeb2,protein_coding	0.1888	0.310101
ENSMUSG00000006932.18,Ctnnb1,protein_coding	0.18879	0.204859
ENSMUSG00000108319.2,Gm44552,TEC	0.18874	0.565769
ENSMUSG00000109814.3,Gm45847,lncRNA	0.18874	0.428005
ENSMUSG00000032425.16,Zfp949,protein_coding	0.18874	0.701235
ENSMUSG00000018428.16,Akap1,protein_coding	0.18868	0.260344
ENSMUSG00000032278.12,Paqr5,protein_coding	0.18866	0.706937
ENSMUSG00000020755.10,Sap30bp,protein_coding	0.1886	0.270639
ENSMUSG00000037376.15,Trmt6,protein_coding	0.18851	0.369603
ENSMUSG00000055013.17,Agap1,protein_coding	0.1884	0.296714
ENSMUSG00000084408.2,Gm11870,processed_pseudogene	0.18836	0.59445
ENSMUSG00000034190.10,Chmp7,protein_coding	0.18833	0.236935
ENSMUSG00000083282.4,Ctsf,protein_coding	0.18828	0.385637
ENSMUSG00000041117.10,Ccdc8,protein_coding	0.18821	0.619596
ENSMUSG00000075704.18,Txnrd2,protein_coding	0.18808	0.484821
ENSMUSG00000053329.8,Gatd3a,protein_coding	0.18807	0.358833
ENSMUSG00000022091.7,Sorbs3,protein_coding	0.18806	0.461036
ENSMUSG00000029781.8,Fkbp9,protein_coding	0.18805	0.394349
ENSMUSG00000103373.2,Gm37238,TEC	0.18803	0.569164
ENSMUSG00000092274.6,Neat1,lncRNA	0.18803	0.606723
ENSMUSG00000059772.13,Slx1b,protein_coding	0.18798	0.34796
ENSMUSG00000009090.18,Ap1b1,protein_coding	0.18793	0.320746
ENSMUSG00000054381.6,Zfp747,protein_coding	0.18792	0.41951
ENSMUSG00000108721.2,Gm44721,TEC	0.1879	0.748431
ENSMUSG00000069265.3,H3c1,protein_coding	0.1879	0.906463
ENSMUSG00000004815.13,Dgkq,protein_coding	0.18776	0.312536
ENSMUSG00000136089.1,ENSMUSG00000136089,lncRNA	0.18775	0.775818
ENSMUSG00000049411.16,Tmem241,protein_coding	0.18774	0.393551
ENSMUSG00000061897.6,Gm14292,transcribed_processed_pseudogene	0.18773	0.581546
ENSMUSG00000028878.12,Fam76a,protein_coding	0.18773	0.323424
ENSMUSG00000054457.8,9430021M05Rik,lncRNA	0.18771	0.515842
ENSMUSG00000016344.15,Ppdpf,protein_coding	0.1877	0.469758
ENSMUSG00000031951.9,Tmem231,protein_coding	0.18768	0.367247
ENSMUSG00000019558.15,Slc6a8,protein_coding	0.18758	0.297814
ENSMUSG00000051851.6,Rtl8c,protein_coding	0.18744	0.673804
ENSMUSG00000059588.15,Calcrl,protein_coding	0.1874	0.755152
ENSMUSG00000078716.11,Tmem8b,protein_coding	0.18734	0.539668
ENSMUSG00000038957.14,Edc3,protein_coding	0.1873	0.268324
ENSMUSG00000036760.8,Kcnk9,protein_coding	0.18725	0.384786
ENSMUSG00000029723.17,Tsc22d4,protein_coding	0.18714	0.392715
ENSMUSG00000029442.20,Cfap251,protein_coding	0.18707	0.654191
ENSMUSG00000050908.13,Tvp23a,protein_coding	0.18705	0.478184
ENSMUSG00000058385.9,H2bc8,protein_coding	0.18701	0.865652
ENSMUSG00000032381.6,Ciao2a,protein_coding	0.18701	0.585498
ENSMUSG00000069267.3,H3c2,protein_coding	0.18692	0.885819
ENSMUSG00000025198.17,Erlin1,protein_coding	0.18685	0.374532
ENSMUSG00000047878.14,A4galt,protein_coding	0.18683	0.772438
ENSMUSG00000034118.16,Tpst1,protein_coding	0.18664	0.225418
ENSMUSG00000121153.2,Gm56986,lncRNA	0.18661	0.723011

ENSMUSG00000047085.15,Lrrc4b,protein_coding	0.18657	0.414831
ENSMUSG00000021619.7,Atg10,protein_coding	0.18649	0.549765
ENSMUSG00000004231.17,Pax2,protein_coding	0.18646	0.787568
ENSMUSG00000142438.1,ENSMUSG00000142438,lncRNA	0.18645	0.536141
ENSMUSG00000032120.12,C2cd2l,protein_coding	0.18637	0.513579
ENSMUSG00000040140.16,Tdrd6,protein_coding	0.18636	0.566306
ENSMUSG00000119048.1,Gm24653,snoRNA	0.18636	0.80679
ENSMUSG00000119746.1,Gm24417,snoRNA	0.18636	0.80679
ENSMUSG00000035164.9,Zc3h12c,protein_coding	0.18635	0.423823
ENSMUSG00000006589.9,Aprt,protein_coding	0.18628	0.586333
ENSMUSG00000002768.9,Mea1,protein_coding	0.18625	0.514393
ENSMUSG00000025794.10,Rpl14,protein_coding	0.18621	0.623195
ENSMUSG00000030084.13,Plxna1,protein_coding	0.1862	0.402204
ENSMUSG00000097007.5,4930432B10Rik,lncRNA	0.18619	0.730474
ENSMUSG00000020868.16,Xylt2,protein_coding	0.18613	0.545847
ENSMUSG00000030376.9,Slc8a2,protein_coding	0.18609	0.579585
ENSMUSG00000038146.9,Notch3,protein_coding	0.18608	0.48219
ENSMUSG00000117982.2,Gm50170,TEC	0.18606	0.752758
ENSMUSG00000090173.9,Fbxw10,protein_coding	0.18603	0.682834
ENSMUSG00000034858.18,Atosa,protein_coding	0.18584	0.243447
ENSMUSG00000062169.14,Cnih4,protein_coding	0.18583	0.207756
ENSMUSG00000097396.2,Gm26556,TEC	0.18574	0.70594
ENSMUSG00000010911.13,Apip,protein_coding	0.1857	0.525331
ENSMUSG00000025648.19,Pfkfb4,protein_coding	0.18567	0.399565
ENSMUSG00000108701.2,Gm44616,TEC	0.18555	0.708131
ENSMUSG00000020526.13,Znhit3,protein_coding	0.1855	0.421153
ENSMUSG00000055148.8,Klf2,protein_coding	0.18542	0.528906
ENSMUSG00000105659.2,4930509H03Rik,lncRNA	0.18534	0.730958
ENSMUSG00000108064.2,Gm44423,TEC	0.18528	0.470888
ENSMUSG00000061576.16,Dpp6,protein_coding	0.18525	0.40095
ENSMUSG00000007891.17,Ctsd,protein_coding	0.18521	0.683806
ENSMUSG00000030317.9,Timp4,protein_coding	0.18505	0.614404
ENSMUSG00000023008.19,Fmnl3,protein_coding	0.18503	0.781749
ENSMUSG00000130020.1,ENSMUSG00000130020,lncRNA	0.18499	0.813011
ENSMUSG00000140119.1,ENSMUSG00000140119,lncRNA	0.18498	0.403096
ENSMUSG00000052087.15,Rgs14,protein_coding	0.18498	0.658388
ENSMUSG00000041040.13,Fam117b,protein_coding	0.18496	0.17729
ENSMUSG00000034324.17,Tmem132c,protein_coding	0.18482	0.625768
ENSMUSG00000010461.17,Eya4,protein_coding	0.18481	0.622328
ENSMUSG00000028964.15,Park7,protein_coding	0.18481	0.451568
ENSMUSG00000020482.5,Ccdc117,protein_coding	0.18469	0.512524
ENSMUSG00000020230.16,Prmt2,protein_coding	0.1846	0.649669
ENSMUSG00000029878.7,Dbpht2,lncRNA	0.18458	0.65004
ENSMUSG00000110238.2,Gm19269,TEC	0.18454	0.688292
ENSMUSG00000070319.7,Eif3g,protein_coding	0.18453	0.389014
ENSMUSG00000024620.13,Pdgfrb,protein_coding	0.18451	0.417377
ENSMUSG00000008318.11,Relt,protein_coding	0.18449	0.653468
ENSMUSG00000026921.21,Egfl7,protein_coding	0.18449	0.504502
ENSMUSG00000002108.11,Nr1h3,protein_coding	0.18446	0.707191
ENSMUSG00000038354.14,Ankrd35,protein_coding	0.18446	0.660289
ENSMUSG00000034566.11,Atp5pd,protein_coding	0.18436	0.419253
ENSMUSG00000085039.4,Gm15927,lncRNA	0.18434	0.691284

ENSMUSG00000021806.5,Nid2,protein_coding	0.1843	0.528406
ENSMUSG00000097274.4,Gm47512,lncRNA	0.18425	0.564773
ENSMUSG00000036632.10,Alg5,protein_coding	0.18423	0.522716
ENSMUSG00000081485.6,Gm12338,processed_pseudogene	0.18416	0.460457
ENSMUSG00000034035.19,Ccdc17,protein_coding	0.18411	0.747392
ENSMUSG00000067377.13,Tspan6,protein_coding	0.18409	0.435741
ENSMUSG00000028651.13,Ppie,protein_coding	0.18407	0.639697
ENSMUSG00000062352.16,Itgb1bp1,protein_coding	0.18404	0.293223
ENSMUSG00000059325.15,Hopx,protein_coding	0.18396	0.709104
ENSMUSG00000072109.14,A530040E14Rik,lncRNA	0.18395	0.928018
ENSMUSG00000023170.15,Gps2,protein_coding	0.18394	0.362932
ENSMUSG00000056055.15,Sag,protein_coding	0.18387	0.588574
ENSMUSG00000027404.17,Snrpb,protein_coding	0.18384	0.559034
ENSMUSG00000036395.16,Glb1l2,protein_coding	0.18381	0.77622
ENSMUSG00000102918.2,Pcdhgc3,protein_coding	0.1837	0.460755
ENSMUSG00000035828.12,Pim3,protein_coding	0.18367	0.471333
ENSMUSG00000027875.13,Hmgcs2,protein_coding	0.18365	0.677612
ENSMUSG00000112409.2,C030006N10Rik,TEC	0.18362	0.778182
ENSMUSG00000125622.1,ENSMUSG00000125622,lncRNA	0.18362	0.77975
ENSMUSG00000035279.9,Ssc5d,protein_coding	0.18358	0.667215
ENSMUSG00000031608.14,Galnt7,protein_coding	0.18353	0.50853
ENSMUSG00000037235.14,Mxd4,protein_coding	0.18353	0.299931
ENSMUSG00000032959.13,Pebp1,protein_coding	0.18345	0.487222
ENSMUSG00000045312.13,Lhfpl2,protein_coding	0.18308	0.359075
ENSMUSG00000062661.7,Ncs1,protein_coding	0.183	0.50446
ENSMUSG00000091825.2,Gm5778,processed_pseudogene	0.18295	0.615163
ENSMUSG00000005447.13,Pafah1b3,protein_coding	0.18283	0.802431
ENSMUSG00000054514.6,Atad3aos,lncRNA	0.1827	0.714123
ENSMUSG00000034320.15,Slc26a2,protein_coding	0.18269	0.398163
ENSMUSG00000038515.11,Grtp1,protein_coding	0.18269	0.636321
ENSMUSG00000044550.12,Tceal3,protein_coding	0.18258	0.515646
ENSMUSG00000000876.12,Pxmp4,protein_coding	0.1825	0.422738
ENSMUSG00000027163.14,Commd9,protein_coding	0.18249	0.528802
ENSMUSG00000088252.3,Snord13,snoRNA	0.18247	0.796944
ENSMUSG00000085433.5,Gm16001,lncRNA	0.18239	0.798323
ENSMUSG00000043483.5,Gm6863,processed_pseudogene	0.18232	0.777459
ENSMUSG00000035078.7,Mtmr9,protein_coding	0.18231	0.283396
ENSMUSG00000022842.19,Ece2,protein_coding	0.18218	0.508496
ENSMUSG00000001999.16,Blvra,protein_coding	0.1821	0.48169
ENSMUSG00000073421.7,H2-Ab1,protein_coding	0.18202	0.887797
ENSMUSG00000039615.10,Stub1,protein_coding	0.18194	0.467714
ENSMUSG00000062044.17,Lmtk3,protein_coding	0.18166	0.622118
ENSMUSG00000061171.16,Slc38a11,protein_coding	0.18164	0.58921
ENSMUSG00000001467.6,Cyp51,protein_coding	0.18159	0.318856
ENSMUSG00000120930.2,Gm56586,lncRNA	0.18149	0.723242
ENSMUSG00000005625.16,Psmd4,protein_coding	0.18147	0.435455
ENSMUSG00000002660.9,Clpp,protein_coding	0.18147	0.526397
ENSMUSG00000088025.3,Rprl3,ribozyme	0.18143	0.525624
ENSMUSG00000022184.9,Fbxo4,protein_coding	0.18143	0.561018
ENSMUSG00000020788.16,Atp2a3,protein_coding	0.18142	0.750831
ENSMUSG00000001445.11,Mrpl10,protein_coding	0.18138	0.439567
ENSMUSG00000059713.13,Rcan3,protein_coding	0.18133	0.49995

ENSMUSG00000054499.10,Dedd2,protein_coding	0.18128	0.384294
ENSMUSG00000069274.4,H4c6,protein_coding	0.18127	0.832485
ENSMUSG00000081026.2,Gm11855,processed_pseudogene	0.18126	0.788106
ENSMUSG00000031198.5,Fundc2,protein_coding	0.18119	0.305317
ENSMUSG00000023723.18,Mrps23,protein_coding	0.18111	0.430206
ENSMUSG00000050912.16,Tmem123,protein_coding	0.18086	0.734111
ENSMUSG00000134304.1,ENSMUSG00000134304,lncRNA	0.18081	0.658926
ENSMUSG00000020150.14,Gamt,protein_coding	0.18074	0.681335
ENSMUSG00000019899.18,Lama2,protein_coding	0.18073	0.330529
ENSMUSG00000116165.2,Pdxp,protein_coding	0.18073	0.592253
ENSMUSG00000041912.13,Tdrkh,protein_coding	0.1807	0.349441
ENSMUSG00000100583.8,Gm29443,lncRNA	0.18069	0.646969
ENSMUSG00000065087.3,Snord22,snoRNA	0.18065	0.558073
ENSMUSG00000032024.11,Clmp,protein_coding	0.18064	0.577897
ENSMUSG00000025027.19,Xpnpep1,protein_coding	0.18062	0.304186
ENSMUSG00000079484.13,Phyhd1,protein_coding	0.1806	0.646018
ENSMUSG00000015880.14,Ncapg,protein_coding	0.18056	0.913365
ENSMUSG00000042570.16,Mier2,protein_coding	0.18054	0.360237
ENSMUSG00000020926.17,Adam11,protein_coding	0.18048	0.508581
ENSMUSG00000003527.10,Ess2,protein_coding	0.1804	0.240513
ENSMUSG00000067199.5,Frat1,protein_coding	0.1804	0.446484
ENSMUSG00000024889.6,Rce1,protein_coding	0.18033	0.537935
ENSMUSG00000110403.2,Gm45553,TEC	0.18031	0.612018
ENSMUSG00000120345.2,Gm56493,lncRNA	0.1803	0.739442
ENSMUSG00000046836.14,Brox,protein_coding	0.18028	0.206282
ENSMUSG00000025736.16,Jmjd8,protein_coding	0.18025	0.430816
ENSMUSG00000028101.19,Pias3,protein_coding	0.18023	0.454038
ENSMUSG00000064370.1,mt-Cytb,protein_coding	0.18015	0.642687
ENSMUSG00000043872.15,Zmym1,protein_coding	0.18003	0.519485
ENSMUSG00000102929.2,Gm37154,TEC	0.18001	0.639554
ENSMUSG00000025268.16,Maged2,protein_coding	0.18	0.550384
ENSMUSG00000052613.18,Pcdh15,protein_coding	0.17997	0.321981
ENSMUSG00000126789.1,ENSMUSG00000126789,lncRNA	0.17996	0.601212
ENSMUSG00000059327.10,Eda,protein_coding	0.17993	0.58044
ENSMUSG00000001270.10,Ckb,protein_coding	0.17993	0.430595
ENSMUSG00000004096.10,Cwc15,protein_coding	0.17986	0.357723
ENSMUSG00000070343.4,Gm10288,processed_pseudogene	0.17985	0.667261
ENSMUSG00000046805.12,Mpeg1,protein_coding	0.17983	0.854409
ENSMUSG00000034371.10,Tkfc,protein_coding	0.17979	0.47965
ENSMUSG00000097006.10,9530082P21Rik,lncRNA	0.17977	0.592033
ENSMUSG00000109245.2,Gm44860,TEC	0.17977	0.616833
ENSMUSG00000025403.6,Shmt2,protein_coding	0.17973	0.818127
ENSMUSG00000119258.1,Gm26096,snoRNA	0.17969	0.743146
ENSMUSG00000119726.1,Gm26499,snoRNA	0.17969	0.743146
ENSMUSG00000023036.15,Pcdhgc4,protein_coding	0.17953	0.5194
ENSMUSG00000021255.18,Esrrb,protein_coding	0.1794	0.682622
ENSMUSG00000030739.20,Myh14,protein_coding	0.17937	0.547155
ENSMUSG00000140760.1,ENSMUSG00000140760,lncRNA	0.17932	0.631626
ENSMUSG00000011034.7,Slc5a1,protein_coding	0.17921	0.830862
ENSMUSG00000063568.12,Jazf1,protein_coding	0.17909	0.559866
ENSMUSG00000128554.1,ENSMUSG00000128554,lncRNA	0.17907	0.568743
ENSMUSG00000030533.17,Unc45a,protein_coding	0.17901	0.359197

ENSMUSG00000006411.13,Nectin4,protein_coding	0.17899	0.639318
ENSMUSG00000117613.4,Gm2629,lncRNA	0.17896	0.734321
ENSMUSG00000067071.9,Hes6,protein_coding	0.17886	0.664183
ENSMUSG00000047344.10,Lancl3,protein_coding	0.1788	0.511489
ENSMUSG00000030835.7,Nomo1,protein_coding	0.17876	0.318006
ENSMUSG00000092203.10,1110038B12Rik,lncRNA	0.17868	0.686297
ENSMUSG00000001785.14,Pwp1,protein_coding	0.17862	0.463107
ENSMUSG00000078139.4,AK157302,protein_coding	0.17859	0.607745
ENSMUSG00000113831.2,Gm49602,lncRNA	0.17857	0.53847
ENSMUSG00000097121.4,D130020L05Rik,lncRNA	0.17856	0.568894
ENSMUSG00000031070.16,Mrgprf,protein_coding	0.17844	0.79905
ENSMUSG00000020889.12,Nr1d1,protein_coding	0.1784	0.450663
ENSMUSG00000087479.4,Gm16835,lncRNA	0.17832	0.601906
ENSMUSG00000045246.13,Kcng4,protein_coding	0.17827	0.702449
ENSMUSG00000022211.10,Carmil3,protein_coding	0.1782	0.52241
ENSMUSG00000016346.19,Kcnq2,protein_coding	0.17819	0.480592
ENSMUSG00000037049.10,Smpd1,protein_coding	0.178	0.507594
ENSMUSG00000020573.18,Pik3cg,protein_coding	0.17798	0.873356
ENSMUSG00000034810.8,Scn7a,protein_coding	0.17791	0.665371
ENSMUSG00000032932.16,Hspa13,protein_coding	0.17785	0.326278
ENSMUSG00000132274.1,ENSMUSG00000132274,lncRNA	0.17783	0.630047
ENSMUSG00000082536.2,Gm13456,processed_pseudogene	0.17782	0.71906
ENSMUSG00000120740.2,Gm57103,lncRNA	0.17779	0.470127
ENSMUSG00000047423.11,AI837181,protein_coding	0.17775	0.508408
ENSMUSG00000034463.5,Scara3,protein_coding	0.17766	0.382986
ENSMUSG00000112343.4,Sfta3-ps,lncRNA	0.17761	0.919116
ENSMUSG00000022306.10,Zfpm2,protein_coding	0.17761	0.62949
ENSMUSG00000117822.2,Eef1a1-ps1,processed_pseudogene	0.1776	0.776587
ENSMUSG00000020163.13,Uqcr11,protein_coding	0.17732	0.579259
ENSMUSG00000105592.2,Gm42527,TEC	0.17729	0.824634
ENSMUSG00000074903.6,Gm2058,processed_pseudogene	0.17728	0.819519
ENSMUSG00000069266.6,H4c2,protein_coding	0.17724	0.819288
ENSMUSG00000106071.2,Gm43826,TEC	0.17715	0.729775
ENSMUSG00000015468.15,Notch4,protein_coding	0.17703	0.594495
ENSMUSG00000054061.10,Gm9934,lncRNA	0.17702	0.782162
ENSMUSG00000022354.5,Ndufb9,protein_coding	0.17697	0.492719
ENSMUSG00000044125.9,9530080O11Rik,lncRNA	0.17692	0.700813
ENSMUSG00000075553.3,Gm5464,lncRNA	0.17684	0.753075
ENSMUSG00000015127.15,Unkl,protein_coding	0.1768	0.234106
ENSMUSG00000091831.7,Gm4707,processed_pseudogene	0.17669	0.728431
ENSMUSG00000046574.9,Prr12,protein_coding	0.17664	0.399139
ENSMUSG00000049630.7,C1ql3,protein_coding	0.17661	0.620098
ENSMUSG00000031917.13,Nip7,protein_coding	0.17655	0.478112
ENSMUSG00000075028.13,Prdm11,protein_coding	0.1765	0.501278
ENSMUSG00000032262.14,Elovl4,protein_coding	0.17644	0.477306
ENSMUSG00000029627.13,Zkscan14,protein_coding	0.17641	0.441136
ENSMUSG00000038517.16,Tbkbp1,protein_coding	0.1764	0.493522
ENSMUSG00000116321.2,Gm49522,TEC	0.1764	0.703293
ENSMUSG00000037060.4,Cavin3,protein_coding	0.17633	0.497865
ENSMUSG00000014791.11,Elmo3,protein_coding	0.1763	0.712218
ENSMUSG00000031901.13,Dus2,protein_coding	0.17627	0.395392
ENSMUSG00000044763.9,Trmt10c,protein_coding	0.17627	0.636177

ENSMUSG00000085704.4,4921531C22Rik,lncRNA	0.17626	0.525007
ENSMUSG00000030168.14,Adipor2,protein_coding	0.17624	0.407206
ENSMUSG00000005357.10,Slc1a6,protein_coding	0.17617	0.715428
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ENSMUSG00000031155.18,Pim2,protein_coding	0.17599	0.361249
ENSMUSG00000020629.13,Adi1,protein_coding	0.17595	0.340148
ENSMUSG00000105509.3,C130013H08Rik,lncRNA	0.17593	0.716365
ENSMUSG00000024201.13,Kdm4b,protein_coding	0.17589	0.340454
ENSMUSG00000024799.17,Tm7sf2,protein_coding	0.17589	0.489192
ENSMUSG00000104696.2,Gm42946,TEC	0.17587	0.62445
ENSMUSG00000056753.5,C330011M18Rik,lncRNA	0.17587	0.686931
ENSMUSG00000024074.9,Crim1,protein_coding	0.17584	0.350284
ENSMUSG00000032036.16,Kirrel3,protein_coding	0.17581	0.474617
ENSMUSG00000067872.3,Ccdc87,protein_coding	0.17576	0.730726
ENSMUSG00000026879.15,Gsn,protein_coding	0.17566	0.482393
ENSMUSG00000074340.10,Ovgp1,protein_coding	0.17559	0.562589
ENSMUSG00000051029.9,Serpinb1b,protein_coding	0.17552	0.839828
ENSMUSG00000134939.1,ENSMUSG00000134939,lncRNA	0.17548	0.696689
ENSMUSG00000128154.1,ENSMUSG00000128154,lncRNA	0.17541	0.805833
ENSMUSG00000028833.14,Ncdn,protein_coding	0.17535	0.622049
ENSMUSG00000009376.16,Met,protein_coding	0.17524	0.512532
ENSMUSG00000030613.14,Ccdc90b,protein_coding	0.17521	0.520106
ENSMUSG00000134949.1,ENSMUSG00000134949,lncRNA	0.17515	0.857166
ENSMUSG00000120507.2,2310047K21Rik,lncRNA	0.1751	0.527389
ENSMUSG00000034686.9,Prr7,protein_coding	0.17504	0.69578
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ENSMUSG00000087881.3,Gm22442,scaRNA	0.17492	0.555788
ENSMUSG00000031832.16,Taf1c,protein_coding	0.17489	0.478793
ENSMUSG00000030393.9,Zik1,protein_coding	0.17481	0.455134
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ENSMUSG00000037348.16,Paqr7,protein_coding	0.17478	0.553517
ENSMUSG00000092805.4,Gm26461,misc_RNA	0.17478	0.783366
ENSMUSG00000067274.11,Rplp0,protein_coding	0.17477	0.816455
ENSMUSG00000025858.13,Get4,protein_coding	0.17477	0.407927
ENSMUSG00000073002.10,Vamp5,protein_coding	0.1747	0.721758
ENSMUSG00000011096.18,Akt1s1,protein_coding	0.1747	0.393359
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ENSMUSG00000140041.1,ENSMUSG00000140041,lncRNA	0.17467	0.804285
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ENSMUSG00000091636.3,Akain1,protein_coding	0.17465	0.604422
ENSMUSG00000036989.17,Trim3,protein_coding	0.17464	0.402095
ENSMUSG00000057897.16,Camk2b,protein_coding	0.17462	0.541775
ENSMUSG00000089940.3,Gm4117,lncRNA	0.17459	0.855775
ENSMUSG00000042476.13,Abcb4,protein_coding	0.17458	0.697318
ENSMUSG00000040158.13,Tax1bp3,protein_coding	0.17453	0.585936
ENSMUSG00000097929.10,Tunar,protein_coding	0.17443	0.529495
ENSMUSG00000121504.2,Ppp4r1l-ps,lncRNA	0.17439	0.414777
ENSMUSG00000003444.9,Med29,protein_coding	0.17438	0.512266
ENSMUSG00000021190.15,Lgmn,protein_coding	0.17434	0.617724
ENSMUSG00000027660.17,Skil,protein_coding	0.17427	0.352612
ENSMUSG00000020461.11,Clhc1,protein_coding	0.17425	0.913066
ENSMUSG00000057841.6,Rpl32,protein_coding	0.17424	0.749615

ENSMUSG00000028757.5,Ddost,protein_coding	0.17418	0.417586
ENSMUSG00000021680.9,Crhbp,protein_coding	0.17396	0.608979
ENSMUSG00000005718.9,Tfap4,protein_coding	0.17392	0.719484
ENSMUSG00000039646.6,Vasn,protein_coding	0.17391	0.620969
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ENSMUSG00000030530.16,Furin,protein_coding	0.17374	0.397202
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ENSMUSG00000022416.16,Cacna1i,protein_coding	0.17369	0.510373
ENSMUSG00000084052.2,Gm11745,processed_pseudogene	0.17369	0.740926
ENSMUSG00000020098.8,Pcbd1,protein_coding	0.17367	0.746748
ENSMUSG00000034951.11,Cog7,protein_coding	0.17364	0.289858
ENSMUSG00000059939.14,9430015G10Rik,protein_coding	0.17359	0.466131
ENSMUSG00000045350.16,Fam186a,protein_coding	0.17349	0.810587
ENSMUSG00000035382.10,Pcsk7,protein_coding	0.17322	0.363482
ENSMUSG00000020130.10,Tbc1d15,protein_coding	0.17317	0.41867
ENSMUSG00000009293.18,Ube2g2,protein_coding	0.17306	0.3557
ENSMUSG00000020037.16,Rfx4,protein_coding	0.17302	0.368292
ENSMUSG00000024777.11,Ppp2r5b,protein_coding	0.17302	0.470124
ENSMUSG00000061410.7,Zcchc14,protein_coding	0.17301	0.466585
ENSMUSG00000054874.13,Pcnx3,protein_coding	0.17299	0.418208
ENSMUSG00000060961.17,Slc4a4,protein_coding	0.17293	0.369286
ENSMUSG00000024986.13,Hhex,protein_coding	0.17286	0.755883
ENSMUSG00000021650.8,Ptcd2,protein_coding	0.17281	0.467692
ENSMUSG00000011751.18,Sptbn4,protein_coding	0.17276	0.528618
ENSMUSG00000126204.1,ENSMUSG00000126204,lncRNA	0.17272	0.84093
ENSMUSG00000030347.7,D6Wsu163e,protein_coding	0.17271	0.368772
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ENSMUSG00000032513.9,Gorasp1,protein_coding	0.17263	0.47316
ENSMUSG00000105620.2,Gm43047,TEC	0.17262	0.826125
ENSMUSG00000003559.9,As3mt,protein_coding	0.17261	0.546895
ENSMUSG00000069114.9,Zbtb10,protein_coding	0.17258	0.550418
ENSMUSG00000102461.2,Gm37166,TEC	0.17256	0.693355
ENSMUSG00000053004.10,Hrh1,protein_coding	0.17255	0.59998
ENSMUSG00000044352.7,Sowaha,protein_coding	0.17253	0.686042
ENSMUSG00000114575.3,Gm47814,lncRNA	0.17251	0.528081
ENSMUSG00000026840.15,Lamc3,protein_coding	0.1725	0.625062
ENSMUSG00000031986.7,Sprtn,protein_coding	0.17246	0.27011
ENSMUSG00000097299.3,Gm26654,lncRNA	0.17243	0.855158
ENSMUSG00000021876.16,Rnase4,protein_coding	0.17238	0.684127
ENSMUSG00000056481.8,Cd248,protein_coding	0.17231	0.609875
ENSMUSG00000105378.2,Gm42515,TEC	0.1723	0.670824
ENSMUSG00000029416.18,Slc15a4,protein_coding	0.17229	0.358229
ENSMUSG00000036977.9,Anapc10,protein_coding	0.17225	0.463077
ENSMUSG00000024078.8,Ttc27,protein_coding	0.17214	0.442788
ENSMUSG00000078317.7,F8a,protein_coding	0.17212	0.482341
ENSMUSG00000081058.6,H3c15,protein_coding	0.17209	0.913568
ENSMUSG00000032020.16,Ubash3b,protein_coding	0.17207	0.411362
ENSMUSG00000019461.13,Plscr3,protein_coding	0.17193	0.468104
ENSMUSG00000021290.7,Atp5mj,protein_coding	0.17192	0.560931
ENSMUSG00000032312.8,Csk,protein_coding	0.17181	0.728409

ENSMUSG00000052738.15,Suclg1,protein_coding	0.1718	0.421254
ENSMUSG00000022426.7,Josd1,protein_coding	0.17166	0.330119
ENSMUSG00000106447.2,Gm42957,protein_coding	0.17164	0.890925
ENSMUSG00000020493.9,Prr11,protein_coding	0.17163	0.891478
ENSMUSG00000022312.12,Eif3h,protein_coding	0.17162	0.486066
ENSMUSG00000030878.12,Cdr2,protein_coding	0.17161	0.555973
ENSMUSG00000031511.17,Arhgef7,protein_coding	0.17158	0.430796
ENSMUSG00000113511.2,Gm19046,processed_pseudogene	0.1714	0.690733
ENSMUSG00000021365.16,Nedd9,protein_coding	0.17139	0.464801
ENSMUSG00000105656.2,Gm43017,lncRNA	0.17137	0.747744
ENSMUSG00000026933.19,Camsap1,protein_coding	0.17136	0.310863
ENSMUSG00000087334.3,AW495222,lncRNA	0.17133	0.821584
ENSMUSG00000006373.11,Pgrmc1,protein_coding	0.17126	0.464229
ENSMUSG00000001666.9,Ddt,protein_coding	0.17123	0.706906
ENSMUSG00000087088.5,Gm16638,lncRNA	0.17122	0.418919
ENSMUSG00000020131.15,Pcsk4,protein_coding	0.17122	0.734945
ENSMUSG00000020747.19,Tmem94,protein_coding	0.17121	0.463184
ENSMUSG00000020142.13,Slc1a4,protein_coding	0.17111	0.37394
ENSMUSG00000059851.16,Kmt5c,protein_coding	0.17102	0.617289
ENSMUSG00000035443.11,Thyn1,protein_coding	0.17091	0.33941
ENSMUSG00000000532.12,Acvr1b,protein_coding	0.1709	0.430581
ENSMUSG00000033065.15,Pfkm,protein_coding	0.17074	0.472318
ENSMUSG00000032902.2,Slc16a1,protein_coding	0.17073	0.424274
ENSMUSG00000110126.2,Gm9347,processed_pseudogene	0.17071	0.854927
ENSMUSG00000027293.14,Ehd4,protein_coding	0.17069	0.63022
ENSMUSG00000140143.1,ENSMUSG00000140143,lncRNA	0.17068	0.872578
ENSMUSG00000029714.12,Gigyf1,protein_coding	0.17068	0.345631
ENSMUSG00000103832.2,Gm37611,TEC	0.17058	0.800288
ENSMUSG00000103522.2,9430087J23Rik,TEC	0.17039	0.697394
ENSMUSG00000090582.2,Gm17024,lncRNA	0.17037	0.759908
ENSMUSG00000036636.11,Clcn7,protein_coding	0.17021	0.365901
ENSMUSG00000019179.11,Mdh2,protein_coding	0.17016	0.432715
ENSMUSG00000026858.19,Miga2,protein_coding	0.17011	0.465326
ENSMUSG00000006205.14,Htra1,protein_coding	0.1701	0.460797
ENSMUSG00000053398.12,Phgdh,protein_coding	0.17007	0.771525
ENSMUSG00000133755.1,ENSMUSG00000133755,lncRNA	0.17004	0.892374
ENSMUSG00000055202.12,Zfp811,protein_coding	0.17	0.478969
ENSMUSG00000005580.12,Adcy9,protein_coding	0.16996	0.481606
ENSMUSG00000113902.2,Ndufb1,protein_coding	0.16986	0.704866
ENSMUSG00000020265.17,Sumo3,protein_coding	0.16986	0.365757
ENSMUSG00000052188.7,Gm14964,lncRNA	0.16982	0.765019
ENSMUSG00000061477.5,Rps7,protein_coding	0.16981	0.735932
ENSMUSG00000049517.9,Rps23,protein_coding	0.16968	0.727582
ENSMUSG00000022721.20,Trmt2a,protein_coding	0.16967	0.468832
ENSMUSG00000028214.14,Gem,protein_coding	0.16963	0.80098
ENSMUSG00000036975.6,Tmem177,protein_coding	0.16962	0.42201
ENSMUSG00000102466.2,Gm38200,TEC	0.16959	0.683844
ENSMUSG00000108137.2,Gm44053,lncRNA	0.16958	0.616827
ENSMUSG00000028047.12,Thbs3,protein_coding	0.16958	0.621118
ENSMUSG00000037204.8,Atg101,protein_coding	0.16954	0.571785
ENSMUSG00000030880.15,Polr3e,protein_coding	0.1695	0.429211
ENSMUSG00000022899.11,Slc15a2,protein_coding	0.16949	0.591629

ENSMUSG00000015846.17,Rxra,protein_coding	0.16946	0.535496
ENSMUSG00000028517.9,Plpp3,protein_coding	0.16946	0.340411
ENSMUSG00000049686.16,Orai1,protein_coding	0.16934	0.599755
ENSMUSG00000030327.9,Necap1,protein_coding	0.16931	0.451571
ENSMUSG00000118029.2,Gm55328,TEC	0.1693	0.71475
ENSMUSG00000020707.7,Rnf135,protein_coding	0.16928	0.625281
ENSMUSG00000024101.16,Washc1,protein_coding	0.16923	0.399649
ENSMUSG00000119476.1,Rnu1a1,snRNA	0.16921	0.555453
ENSMUSG00000118815.1,Gm22068,snRNA	0.16921	0.555453
ENSMUSG00000109089.4,4833411C07Rik,lncRNA	0.16908	0.766361
ENSMUSG00000111443.3,Gm46123,lncRNA	0.16906	0.725044
ENSMUSG00000028668.6,Eloa,protein_coding	0.16898	0.214572
ENSMUSG00000050188.9,Lsm10,protein_coding	0.16892	0.707727
ENSMUSG00000046157.14,Tmem229b,protein_coding	0.16888	0.499773
ENSMUSG00000039086.10,Ss18l1,protein_coding	0.16883	0.388129
ENSMUSG00000085894.3,Gm15832,lncRNA	0.16879	0.683355
ENSMUSG00000024014.9,Pim1,protein_coding	0.16865	0.881003
ENSMUSG00000036644.16,Tbc1d9b,protein_coding	0.16865	0.391089
ENSMUSG00000045062.5,Pcdhb7,protein_coding	0.16844	0.471115
ENSMUSG00000108543.2,Gm44735,TEC	0.16841	0.658031
ENSMUSG00000027611.13,Procr,protein_coding	0.16841	0.828465
ENSMUSG00000039678.13,Tbc1d13,protein_coding	0.16822	0.403729
ENSMUSG00000022965.9,Ifngr2,protein_coding	0.16821	0.358082
ENSMUSG00000031376.16,Atp2b3,protein_coding	0.16818	0.452347
ENSMUSG00000045441.6,Gprin3,protein_coding	0.16817	0.630165
ENSMUSG00000047030.16,Spata2,protein_coding	0.16817	0.373339
ENSMUSG00000110795.2,Gm47179,TEC	0.16814	0.759685
ENSMUSG00000031428.12,Zcchc18,protein_coding	0.16814	0.459242
ENSMUSG00000061474.12,Mrps36,protein_coding	0.16813	0.505156
ENSMUSG00000121476.2,ENSMUSG00000121476,lncRNA	0.16807	0.842923
ENSMUSG00000019997.12,Ccn2,protein_coding	0.16802	0.660473
ENSMUSG00000040812.15,Agbl2,protein_coding	0.16798	0.725272
ENSMUSG00000057098.15,Ebf1,protein_coding	0.16793	0.751523
ENSMUSG00000043259.16,Fam13c,protein_coding	0.16788	0.454728
ENSMUSG00000068479.6,Mfap1a,protein_coding	0.16785	0.806161
ENSMUSG00000032485.15,Scap,protein_coding	0.16777	0.426987
ENSMUSG00000011958.18,Bnip2,protein_coding	0.16767	0.548388
ENSMUSG00000005510.10,Ndufs3,protein_coding	0.16759	0.449574
ENSMUSG00000064493.3,Snora28,snoRNA	0.16749	0.804341
ENSMUSG00000098132.2,Rassf10,protein_coding	0.16743	0.756352
ENSMUSG00000022679.14,Mpv17l,protein_coding	0.16743	0.450159
ENSMUSG00000023110.13,Prmt5,protein_coding	0.16742	0.447377
ENSMUSG00000123323.1,ENSMUSG00000123323,lncRNA	0.1674	0.698988
ENSMUSG00000047139.10,Cd24a,protein_coding	0.16739	0.853617
ENSMUSG00000031505.12,Naxd,protein_coding	0.16737	0.308437
ENSMUSG00000028869.14,Gnl2,protein_coding	0.16736	0.342878
ENSMUSG00000038836.16,Agbl3,protein_coding	0.16736	0.527479
ENSMUSG00000036368.9,Rmdn2,protein_coding	0.16736	0.50235
ENSMUSG00000118537.2,Shld3,protein_coding	0.16711	0.610868
ENSMUSG00000047205.13,Dusp18,protein_coding	0.16708	0.598301
ENSMUSG00000084796.4,Mir142hg,lncRNA	0.16707	0.911062
ENSMUSG00000044250.9,Pced1b,protein_coding	0.16706	0.761079

ENSMUSG00000003662.11,Ciao1,protein_coding	0.16705	0.425233
ENSMUSG00000097061.4,9330151L19Rik,lncRNA	0.16694	0.419559
ENSMUSG00000108883.2,Gm44623,lncRNA	0.16689	0.801922
ENSMUSG00000030298.11,Sec13,protein_coding	0.16685	0.387525
ENSMUSG00000036775.14,Decr2,protein_coding	0.16668	0.533854
ENSMUSG00000098066.4,Gm26944,lncRNA	0.16663	0.714354
ENSMUSG00000102764.2,Gm37183,TEC	0.1666	0.559622
ENSMUSG00000058135.13,Gstm1,protein_coding	0.16656	0.431028
ENSMUSG00000049516.10,Spty2d1,protein_coding	0.16652	0.4124
ENSMUSG00000032940.17,Rbm11,protein_coding	0.16652	0.653372
ENSMUSG00000039095.9,En2,protein_coding	0.16651	0.817324
ENSMUSG00000017404.13,Rpl19,protein_coding	0.16646	0.688816
ENSMUSG00000097547.10,B230110C06Rik,lncRNA	0.16645	0.737066
ENSMUSG00000087038.12,2900079G21Rik,lncRNA	0.16643	0.72927
ENSMUSG00000035637.15,Grhpr,protein_coding	0.1664	0.659598
ENSMUSG00000030638.14,Sh3gl3,protein_coding	0.16639	0.555894
ENSMUSG00000036751.8,Cox6b1,protein_coding	0.16638	0.538711
ENSMUSG00000073436.12,Eme2,protein_coding	0.16636	0.500201
ENSMUSG00000039515.12,Ptpa,protein_coding	0.16634	0.408448
ENSMUSG00000042594.17,Sh2b3,protein_coding	0.16634	0.619024
ENSMUSG00000078878.10,Gm14305,protein_coding	0.1663	0.574141
ENSMUSG00000044694.4,2010007H06Rik,lncRNA	0.16618	0.905318
ENSMUSG00000037339.18,Fam53a,protein_coding	0.16617	0.359434
ENSMUSG00000045114.11,Prrt2,protein_coding	0.16612	0.548971
ENSMUSG00000060636.15,Rpl35a,protein_coding	0.16611	0.677481
ENSMUSG00000027546.16,Atp9a,protein_coding	0.16608	0.522059
ENSMUSG00000007892.9,Rplp1,protein_coding	0.16607	0.689077
ENSMUSG00000007603.10,Dus3l,protein_coding	0.16599	0.433621
ENSMUSG00000008348.10,Ubc,protein_coding	0.16593	0.410182
ENSMUSG00000021257.16,Angel1,protein_coding	0.16582	0.562294
ENSMUSG00000033096.8,Apmap,protein_coding	0.16581	0.46584
ENSMUSG00000102841.2,Gm38036,TEC	0.16574	0.622788
ENSMUSG00000035455.13,Fignl1,protein_coding	0.16569	0.904881
ENSMUSG00000079657.11,Rab26,protein_coding	0.16566	0.672871
ENSMUSG00000043716.14,Rpl7,protein_coding	0.16566	0.710867
ENSMUSG00000046807.11,Lrrc75b,protein_coding	0.1656	0.580371
ENSMUSG00000021792.16,Prxl2a,protein_coding	0.16541	0.335159
ENSMUSG00000111539.2,Gm48372,TEC	0.16534	0.789904
ENSMUSG00000020961.16,Ston2,protein_coding	0.16534	0.367439
ENSMUSG00000027584.18,Oprl1,protein_coding	0.16528	0.69342
ENSMUSG00000002546.18,Golga2,protein_coding	0.16527	0.415929
ENSMUSG00000103854.2,Gm37250,TEC	0.16526	0.685942
ENSMUSG00000018286.7,Psmb6,protein_coding	0.16525	0.556348
ENSMUSG00000101335.2,Gm28229,lncRNA	0.16521	0.645566
ENSMUSG00000026437.13,Cdk18,protein_coding	0.16519	0.639011
ENSMUSG00000140105.1,ENSMUSG00000140105,lncRNA	0.16519	0.792564
ENSMUSG00000011008.14,Mcoln2,protein_coding	0.16509	0.923497
ENSMUSG00000056300.15,Zfp981,protein_coding	0.16507	0.925703
ENSMUSG00000141213.1,ENSMUSG00000141213,lncRNA	0.16506	0.753549
ENSMUSG00000099759.3,1700030C10Rik,lncRNA	0.16506	0.718603
ENSMUSG00000039450.12,Dcxr,protein_coding	0.165	0.71159
ENSMUSG00000059361.7,Nrsn2,protein_coding	0.165	0.642833

ENSMUSG00000041073.11,Nacad,protein_coding	0.16499	0.519322
ENSMUSG00000085319.3,Gm13330,lncRNA	0.16499	0.77361
ENSMUSG00000064357.1,mt-Atp6,protein_coding	0.1649	0.783416
ENSMUSG00000034173.14,Zbed5,protein_coding	0.16489	0.572264
ENSMUSG00000099681.3,1700052K11Rik,lncRNA	0.16486	0.377998
ENSMUSG00000111254.2,Gm48717,TEC	0.16481	0.698385
ENSMUSG00000025362.7,Rps26,protein_coding	0.1648	0.786283
ENSMUSG00000092085.3,Gm17224,lncRNA	0.16479	0.722805
ENSMUSG00000120100.2,Gm56546,lncRNA	0.16477	0.768683
ENSMUSG00000022540.18,Rogdi,protein_coding	0.16473	0.566713
ENSMUSG00000084453.3,Gm24596,snRNA	0.16472	0.723463
ENSMUSG00000087424.4,5730405O15Rik,lncRNA	0.16471	0.485138
ENSMUSG00000143419.1,ENSMUSG00000143419,lncRNA	0.16468	0.588482
ENSMUSG00000081087.2,Rps15a-ps7,processed_pseudogene	0.16466	0.936994
ENSMUSG00000038677.15,Scube3,protein_coding	0.16454	0.76437
ENSMUSG00000041598.8,Cdc42ep4,protein_coding	0.16454	0.438281
ENSMUSG00000022131.4,Gpr180,protein_coding	0.16443	0.536204
ENSMUSG00000032000.18,Birc3,protein_coding	0.1644	0.90186
ENSMUSG00000006024.14,Napa,protein_coding	0.1643	0.379524
ENSMUSG00000118790.1,Gm25939,snRNA	0.16429	0.759664
ENSMUSG00000006476.20,Nsmf,protein_coding	0.16428	0.574044
ENSMUSG00000037373.13,Ctbp1,protein_coding	0.16428	0.331389
ENSMUSG00000023903.9,Mmp25,protein_coding	0.16417	0.810038
ENSMUSG00000027894.15,Slc6a17,protein_coding	0.16412	0.499022
ENSMUSG00000030310.12,Slc6a1,protein_coding	0.16407	0.362888
ENSMUSG00000010175.14,Prox1,protein_coding	0.16403	0.508406
ENSMUSG00000036845.13,Lin37,protein_coding	0.16403	0.633353
ENSMUSG00000037890.14,Wdr19,protein_coding	0.16398	0.298669
ENSMUSG00000040997.15,Abhd4,protein_coding	0.16397	0.33476
ENSMUSG00000046402.11,Rbp1,protein_coding	0.16388	0.71388
ENSMUSG00000089704.10,Galnt2,protein_coding	0.16387	0.419494
ENSMUSG00000031700.12,Gpt2,protein_coding	0.16385	0.231062
ENSMUSG00000078350.12,Smim1,protein_coding	0.16382	0.620611
ENSMUSG00000119287.1,Gm23686,snRNA	0.16376	0.792496
ENSMUSG00000108286.2,Gm44224,TEC	0.16373	0.771302
ENSMUSG00000006058.11,Snf8,protein_coding	0.16373	0.52497
ENSMUSG00000007659.19,Bcl2l1,protein_coding	0.16372	0.629506
ENSMUSG00000056220.15,Pla2g4a,protein_coding	0.16371	0.687316
ENSMUSG00000024236.19,Svil,protein_coding	0.16365	0.378915
ENSMUSG00000031749.13,St3gal2,protein_coding	0.16359	0.450772
ENSMUSG00000091421.4,Gm4202,processed_pseudogene	0.16357	0.664579
ENSMUSG00000050697.10,Prkaa1,protein_coding	0.16352	0.329598
ENSMUSG00000052459.14,Atp6v1a,protein_coding	0.1635	0.474426
ENSMUSG00000019876.16,Pkib,protein_coding	0.16348	0.782103
ENSMUSG00000120950.1,Gm57241,lncRNA	0.16347	0.584106
ENSMUSG00000103701.3,Gm10728,TEC	0.16344	0.778058
ENSMUSG00000036529.18,Sbf1,protein_coding	0.16341	0.38373
ENSMUSG00000031839.8,Hsbp1,protein_coding	0.16337	0.461051
ENSMUSG00000058441.8,Panx2,protein_coding	0.16328	0.525719
ENSMUSG00000039621.14,Prex1,protein_coding	0.16323	0.308193
ENSMUSG00000020083.15,Fam241b,protein_coding	0.16321	0.530804
ENSMUSG00000059602.15,Syn3,protein_coding	0.16319	0.463147

ENSMUSG00000004933.18,Matk,protein_coding	0.16317	0.672073
ENSMUSG00000068876.17,Cgn,protein_coding	0.16315	0.684436
ENSMUSG00000044393.16,Dsg2,protein_coding	0.16314	0.646877
ENSMUSG00000031834.16,Pik3r2,protein_coding	0.16312	0.461858
ENSMUSG00000132287.1,ENSMUSG00000132287,lncRNA	0.1631	0.816697
ENSMUSG00000029432.13,Nipsnap2,protein_coding	0.16308	0.334065
ENSMUSG00000039263.17,Npepl1,protein_coding	0.16306	0.646189
ENSMUSG00000011171.12,Vipr2,protein_coding	0.16302	0.766234
ENSMUSG00000004947.16,Dtx2,protein_coding	0.16283	0.485649
ENSMUSG00000063652.11,Slc22a21,protein_coding	0.16278	0.738809
ENSMUSG00000026608.14,Kctd3,protein_coding	0.16277	0.244143
ENSMUSG00000019564.13,Arid3a,protein_coding	0.16276	0.714129
ENSMUSG00000055681.15,Cope,protein_coding	0.16274	0.455133
ENSMUSG00000038502.18,Ptov1,protein_coding	0.16273	0.557492
ENSMUSG00000028478.19,Clta,protein_coding	0.1627	0.440239
ENSMUSG00000063458.14,Lrmda,protein_coding	0.16264	0.797555
ENSMUSG00000004530.13,Coro1c,protein_coding	0.16255	0.401058
ENSMUSG00000073437.13,D330041H03Rik,lncRNA	0.16243	0.486429
ENSMUSG00000059714.14,Flot1,protein_coding	0.16232	0.659221
ENSMUSG00000021364.17,Elovl2,protein_coding	0.1623	0.481207
ENSMUSG00000111868.3,Gm47398,lncRNA	0.16229	0.793185
ENSMUSG00000034898.18,Filip1,protein_coding	0.16224	0.747089
ENSMUSG00000020251.15,Glt8d2,protein_coding	0.16218	0.688981
ENSMUSG00000117653.2,Gm50009,TEC	0.16217	0.74522
ENSMUSG00000024847.16,Aip,protein_coding	0.16216	0.499812
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ENSMUSG00000020327.5,Fgf22,protein_coding	0.16207	0.657019
ENSMUSG00000046449.16,Nexmif,protein_coding	0.16203	0.581245
ENSMUSG00000042249.12,Grk3,protein_coding	0.16198	0.351475
ENSMUSG00000001018.16,Snapin,protein_coding	0.16192	0.334518
ENSMUSG00000025373.15,Rnf41,protein_coding	0.1618	0.254124
ENSMUSG00000026614.8,Slc30a10,protein_coding	0.1617	0.552255
ENSMUSG00000048677.10,Tpcn2,protein_coding	0.16169	0.708229
ENSMUSG00000043463.7,Rab9b,protein_coding	0.16169	0.509867
ENSMUSG00000044231.4,Nhlrc1,protein_coding	0.16168	0.533579
ENSMUSG00000036376.4,Abt1,protein_coding	0.16164	0.370819
ENSMUSG00000042216.14,Sgsm1,protein_coding	0.16163	0.552331
ENSMUSG00000072966.12,Gprasp2,protein_coding	0.16162	0.527782
ENSMUSG00000066760.13,Psg16,protein_coding	0.16162	0.705771
ENSMUSG00000039533.9,Mmd2,protein_coding	0.16161	0.413824
ENSMUSG00000035754.9,Wdr18,protein_coding	0.16157	0.483461
ENSMUSG00000087535.4,Zmiz1os1,lncRNA	0.16147	0.570329
ENSMUSG00000047228.10,A2ml1,protein_coding	0.16147	0.619501
ENSMUSG00000013150.16,Gfod2,protein_coding	0.16147	0.501777
ENSMUSG00000049339.17,Retreg2,protein_coding	0.16143	0.480524
ENSMUSG00000100691.4,2010320M18Rik,lncRNA	0.1614	0.614366
ENSMUSG00000026547.16,Tagln2,protein_coding	0.16134	0.840089
ENSMUSG00000027555.9,Car13,protein_coding	0.16133	0.836623
ENSMUSG00000042705.10,Commd10,protein_coding	0.16124	0.348038
ENSMUSG00000009927.10,Rps25,protein_coding	0.1612	0.707664
ENSMUSG00000052748.15,Swt1,protein_coding	0.16119	0.518886
ENSMUSG00000053192.10,Mllt11,protein_coding	0.16107	0.5045

ENSMUSG00000038859.8,Baiap2l1,protein_coding	0.16107	0.817344
ENSMUSG00000028369.16,Svep1,protein_coding	0.16107	0.833686
ENSMUSG00000109206.2,Gm45137,TEC	0.161	0.559762
ENSMUSG00000036885.15,Arhgef26,protein_coding	0.16096	0.368183
ENSMUSG00000022895.17,Ets2,protein_coding	0.16093	0.383613
ENSMUSG00000109390.2,Gm45718,TEC	0.16092	0.592449
ENSMUSG00000031955.11,Bcar1,protein_coding	0.16088	0.47794
ENSMUSG00000024830.18,Rps6kb2,protein_coding	0.16084	0.538725
ENSMUSG00000070002.8,Ell,protein_coding	0.16076	0.535825
ENSMUSG00000043313.7,Pcdhb19,protein_coding	0.16069	0.573817
ENSMUSG00000024012.19,Mtch1,protein_coding	0.16068	0.600365
ENSMUSG00000050796.5,B3galt6,protein_coding	0.16066	0.566893
ENSMUSG00000070003.8,Ssbp4,protein_coding	0.16065	0.603404
ENSMUSG00000102287.2,Gm37003,TEC	0.16064	0.720893
ENSMUSG00000024851.15,Pitpnm1,protein_coding	0.16061	0.43792
ENSMUSG00000028864.8,Hgf,protein_coding	0.16059	0.59081
ENSMUSG00000018765.7,Fxr2,protein_coding	0.16055	0.46111
ENSMUSG00000089945.14,Pakap,protein_coding	0.16055	0.657382
ENSMUSG00000104400.2,Gm38010,TEC	0.16055	0.581663
ENSMUSG00000021823.11,Vcl,protein_coding	0.16052	0.222848
ENSMUSG00000085957.5,Syna,protein_coding	0.16052	0.802767
ENSMUSG00000031618.14,Nr3c2,protein_coding	0.16046	0.437696
ENSMUSG00000045854.5,Lyrm2,protein_coding	0.16041	0.520127
ENSMUSG00000001228.15,Uhrf1,protein_coding	0.16038	0.913293
ENSMUSG00000079555.3,Haus3,protein_coding	0.16022	0.812408
ENSMUSG00000022474.16,Pmm1,protein_coding	0.16018	0.543595
ENSMUSG00000018362.15,Kpna2,protein_coding	0.16007	0.803139
ENSMUSG00000001506.11,Col1a1,protein_coding	0.16004	0.528263
ENSMUSG00000032523.12,Hhatl,protein_coding	0.16004	0.560112
ENSMUSG00000035365.16,Parpbp,protein_coding	0.16003	0.868146
ENSMUSG00000021033.12,Gstz1,protein_coding	0.16001	0.39712
ENSMUSG00000138970.1,ENSMUSG00000138970,lncRNA	0.15995	0.81166
ENSMUSG00000036334.13,Igsf10,protein_coding	0.15995	0.671102
ENSMUSG00000123918.1,ENSMUSG00000123918,lncRNA	0.15994	0.86619
ENSMUSG00000055128.16,Cgrrf1,protein_coding	0.15988	0.387296
ENSMUSG00000020843.16,Timm22,protein_coding	0.15987	0.401954
ENSMUSG00000033256.15,Shf,protein_coding	0.15985	0.668534
ENSMUSG00000082935.4,Gm7658,processed_pseudogene	0.15983	0.684829
ENSMUSG00000117548.2,Gm41662,TEC	0.15981	0.77789
ENSMUSG00000039016.6,Timm8b,protein_coding	0.1598	0.53729
ENSMUSG00000040813.17,Tex264,protein_coding	0.15977	0.513349
ENSMUSG00000110997.2,2610028D06Rik,TEC	0.15962	0.604241
ENSMUSG00000027977.16,Ndst3,protein_coding	0.15959	0.633169
ENSMUSG00000052934.15,Fbxo31,protein_coding	0.15958	0.472528
ENSMUSG00000033985.18,Tesk2,protein_coding	0.15956	0.555312
ENSMUSG00000075256.10,Cerkl,protein_coding	0.15952	0.769953
ENSMUSG00000102319.2,Gm37626,TEC	0.1595	0.630794
ENSMUSG00000061589.15,Dot1l,protein_coding	0.15934	0.511287
ENSMUSG00000035964.9,Tmem59l,protein_coding	0.1593	0.602357
ENSMUSG00000027160.17,Ccdc34,protein_coding	0.15928	0.502248
ENSMUSG00000097251.4,5033417F24Rik,lncRNA	0.15918	0.653396
ENSMUSG00000090733.7,Rps27,protein_coding	0.15913	0.74784

ENSMUSG00000022658.11,Tagln3,protein_coding	0.15905	0.594583
ENSMUSG00000043445.8,Pgp,protein_coding	0.15905	0.335797
ENSMUSG00000026944.19,Abca2,protein_coding	0.15899	0.468606
ENSMUSG00000020692.15,Nle1,protein_coding	0.15899	0.600739
ENSMUSG00000070469.13,Adamtsl3,protein_coding	0.15893	0.649612
ENSMUSG00000030842.13,Lamtor1,protein_coding	0.15892	0.454904
ENSMUSG00000103818.2,Gm38009,TEC	0.15884	0.636666
ENSMUSG00000047658.7,Gal3st3,protein_coding	0.15883	0.600572
ENSMUSG00000104339.2,C130089K02Rik,TEC	0.15865	0.732555
ENSMUSG00000039278.11,Pcsk1n,protein_coding	0.15834	0.674959
ENSMUSG00000104136.2,Gm36955,TEC	0.15821	0.676589
ENSMUSG00000025323.11,Sp4,protein_coding	0.15819	0.516084
ENSMUSG00000108037.3,Gm44597,lncRNA	0.15815	0.791117
ENSMUSG00000086965.4,Rtl10,transcribed_unitary_pseudogene	0.15814	0.630966
ENSMUSG00000020034.8,Tcp11l2,protein_coding	0.15809	0.56277
ENSMUSG00000026707.16,Nsun6,protein_coding	0.15809	0.544612
ENSMUSG00000107966.2,Gm44001,TEC	0.15806	0.669604
ENSMUSG00000096751.4,Gm28373,lncRNA	0.15799	0.62743
ENSMUSG00000008734.10,Gprc5b,protein_coding	0.15797	0.443702
ENSMUSG00000001034.18,Mapk7,protein_coding	0.15796	0.54997
ENSMUSG00000110263.2,Gm45652,TEC	0.15792	0.599727
ENSMUSG00000020785.18,Camkk1,protein_coding	0.15788	0.517705
ENSMUSG00000120995.2,Gm51425,lncRNA	0.1578	0.795614
ENSMUSG00000027411.18,Vps16,protein_coding	0.1578	0.370613
ENSMUSG00000113396.3,Gm33467,lncRNA	0.15775	0.838229
ENSMUSG00000105803.2,Gm43526,TEC	0.15768	0.669972
ENSMUSG00000096199.3,Ptrhd1,protein_coding	0.15766	0.497501
ENSMUSG00000064363.1,mt-Nd4,protein_coding	0.15762	0.720165
ENSMUSG00000039163.11,Cmc1,protein_coding	0.15761	0.618387
ENSMUSG00000021993.11,Mipep,protein_coding	0.15756	0.445958
ENSMUSG00000001053.16,N4bp3,protein_coding	0.15753	0.719507
ENSMUSG00000041309.18,Nkx6-2,protein_coding	0.15751	0.73035
ENSMUSG00000000093.7,Tbx2,protein_coding	0.15747	0.819805
ENSMUSG00000042810.15,Krba1,protein_coding	0.15746	0.440799
ENSMUSG00000027371.11,Fahd2a,protein_coding	0.15735	0.581233
ENSMUSG00000042834.16,Nrep,protein_coding	0.15732	0.735159
ENSMUSG00000042377.9,Fam83g,protein_coding	0.15732	0.920981
ENSMUSG00000022548.15,Apod,protein_coding	0.1573	0.73161
ENSMUSG00000001289.13,Pfdn5,protein_coding	0.15728	0.56113
ENSMUSG00000041688.17,Amot,protein_coding	0.15719	0.418278
ENSMUSG00000033751.6,Gadd45gip1,protein_coding	0.15718	0.557691
ENSMUSG00000048232.13,Fbxo10,protein_coding	0.15714	0.614199
ENSMUSG00000031196.14,F8,protein_coding	0.1571	0.522796
ENSMUSG00000063052.10,Lrrc40,protein_coding	0.15709	0.504889
ENSMUSG00000023473.14,Celsr3,protein_coding	0.15692	0.535415
ENSMUSG00000025792.10,Slc25a10,protein_coding	0.1569	0.647558
ENSMUSG00000024885.10,Aldh3b1,protein_coding	0.15681	0.752612
ENSMUSG00000043857.17,Mgat5b,protein_coding	0.1568	0.642441
ENSMUSG00000066129.18,Kndc1,protein_coding	0.15676	0.496673
ENSMUSG00000020536.13,Llgl1,protein_coding	0.15675	0.370777
ENSMUSG00000020211.16,Sf3a2,protein_coding	0.15668	0.629521
ENSMUSG00000035504.17,Reep6,protein_coding	0.15667	0.643608

ENSMUSG00000046364.15,Rpl27a,protein_coding	0.15665	0.682724
ENSMUSG00000021884.19,Hacl1,protein_coding	0.15664	0.655086
ENSMUSG00000030417.16,Pdcd5,protein_coding	0.15663	0.408819
ENSMUSG00000031819.14,Emc8,protein_coding	0.1566	0.29359
ENSMUSG00000071648.5,Rom1,protein_coding	0.15657	0.711542
ENSMUSG00000020723.4,Cacng4,protein_coding	0.15657	0.645017
ENSMUSG00000050711.8,Scg2,protein_coding	0.15652	0.644948
ENSMUSG00000054252.19,Fgfr3,protein_coding	0.15651	0.473288
ENSMUSG00000107436.2,Gm44416,TEC	0.1565	0.675882
ENSMUSG00000041959.15,S100a10,protein_coding	0.1565	0.619294
ENSMUSG00000036873.14,2410004B18Rik,protein_coding	0.15648	0.390791
ENSMUSG00000029123.9,Stk32b,protein_coding	0.15643	0.76516
ENSMUSG00000097960.3,A330074K22Rik,lncRNA	0.15642	0.69816
ENSMUSG00000143604.1,ENSMUSG00000143604,lncRNA	0.15641	0.763667
ENSMUSG00000036913.16,Trim67,protein_coding	0.1564	0.7052
ENSMUSG00000104449.2,Gm37255,TEC	0.15637	0.649122
ENSMUSG00000121628.2,Gm4832,lncRNA	0.15636	0.653455
ENSMUSG00000087396.10,4933407K13Rik,lncRNA	0.15635	0.649218
ENSMUSG00000052353.14,Cemip,protein_coding	0.15623	0.43544
ENSMUSG00000051439.8,Cd14,protein_coding	0.15622	0.819243
ENSMUSG00000119947.2,Gm56494,lncRNA	0.15621	0.782323
ENSMUSG00000121402.2,Gm5373,lncRNA	0.15621	0.814169
ENSMUSG00000070462.5,Tlnrd1,protein_coding	0.15615	0.360931
ENSMUSG00000040260.9,Daam2,protein_coding	0.1559	0.45536
ENSMUSG00000055633.7,Zfp580,protein_coding	0.15587	0.597084
ENSMUSG00000007038.6,Neu1,protein_coding	0.15579	0.392554
ENSMUSG00000097534.6,Gm16675,lncRNA	0.15578	0.86376
ENSMUSG00000085555.12,2610035F20Rik,lncRNA	0.15578	0.804991
ENSMUSG00000065208.3,Gm24616,snoRNA	0.15576	0.854868
ENSMUSG00000032295.16,Man2c1,protein_coding	0.15566	0.373674
ENSMUSG00000043631.9,Ecm2,protein_coding	0.15558	0.646681
ENSMUSG00000021175.16,Cdca7l,protein_coding	0.15556	0.886339
ENSMUSG00000105710.2,Gm43859,TEC	0.15555	0.804435
ENSMUSG00000057193.9,Slc44a2,protein_coding	0.15553	0.442391
ENSMUSG00000108940.2,Gm45719,TEC	0.15541	0.599166
ENSMUSG00000028191.12,Bcl10,protein_coding	0.15535	0.726963
ENSMUSG00000014778.11,Fhod1,protein_coding	0.15526	0.761491
ENSMUSG00000028247.3,Coq3,protein_coding	0.15511	0.488474
ENSMUSG00000020524.17,Gria1,protein_coding	0.15509	0.572114
ENSMUSG00000014786.9,Slc9a5,protein_coding	0.15508	0.473631
ENSMUSG00000039230.15,Tbcd,protein_coding	0.15498	0.296401
ENSMUSG00000039323.19,Igfbp2,protein_coding	0.15495	0.706308
ENSMUSG00000026520.9,Pycr2,protein_coding	0.15492	0.520677
ENSMUSG00000042992.16,Borcs5,protein_coding	0.15486	0.551424
ENSMUSG00000008682.14,Rpl10,protein_coding	0.15482	0.69108
ENSMUSG00000048216.14,Gpr85,protein_coding	0.15482	0.439759
ENSMUSG00000031938.16,4931406C07Rik,protein_coding	0.15481	0.362336
ENSMUSG00000025534.18,Gusb,protein_coding	0.15481	0.804404
ENSMUSG00000024827.11,Gldc,protein_coding	0.15481	0.524454
ENSMUSG00000120785.2,Gm56741,lncRNA	0.15478	0.791625
ENSMUSG00000037415.8,Ranbp10,protein_coding	0.15474	0.300148
ENSMUSG00000030731.14,Syt3,protein_coding	0.15471	0.541395

ENSMUSG00000042631.8,Xkr7,protein_coding	0.1547	0.737362
ENSMUSG00000108168.2,Gm43864,TEC	0.15469	0.750152
ENSMUSG00000093904.3,Tomm20,protein_coding	0.15466	0.467242
ENSMUSG00000024790.9,Sac3d1,protein_coding	0.15464	0.724745
ENSMUSG00000072972.4,Adam4,protein_coding	0.15462	0.638861
ENSMUSG00000017734.16,Dbndd2,protein_coding	0.15459	0.361101
ENSMUSG00000027861.14,Casq2,protein_coding	0.15454	0.705219
ENSMUSG00000026269.15,Rnpepl1,protein_coding	0.15453	0.446692
ENSMUSG00000025576.18,Rbfox3,protein_coding	0.15451	0.486472
ENSMUSG00000044847.14,Lsm11,protein_coding	0.15451	0.426586
ENSMUSG00000037960.12,Card19,protein_coding	0.1545	0.684147
ENSMUSG00000072940.6,Gm10443,transcribed_processed_pseudogene	0.15445	0.74183
ENSMUSG00000070939.10,Tgfbrap1,protein_coding	0.15438	0.276587
ENSMUSG00000028847.9,Trappc3,protein_coding	0.15424	0.400563
ENSMUSG00000025580.16,Eif4a3,protein_coding	0.15421	0.461348
ENSMUSG00000022394.15,L3mbtl2,protein_coding	0.15415	0.456696
ENSMUSG00000022562.16,Oplah,protein_coding	0.15415	0.578482
ENSMUSG00000006763.15,Saal1,protein_coding	0.15415	0.535114
ENSMUSG00000103144.2,Pcdhga1,protein_coding	0.15415	0.549452
ENSMUSG00000023830.15,Igf2r,protein_coding	0.15414	0.334868
ENSMUSG00000104343.2,5730408A14Rik,TEC	0.15413	0.767786
ENSMUSG00000046768.14,Rhoj,protein_coding	0.1541	0.655989
ENSMUSG00000054277.9,Arfgap3,protein_coding	0.15409	0.446787
ENSMUSG00000041712.8,Ubr7,protein_coding	0.15408	0.482121
ENSMUSG00000021794.17,Glud1,protein_coding	0.15407	0.288163
ENSMUSG00000018648.16,Dusp14,protein_coding	0.15406	0.652938
ENSMUSG00000022269.14,Marchf11,protein_coding	0.15405	0.639907
ENSMUSG00000024052.18,Lpin2,protein_coding	0.15403	0.208108
ENSMUSG00000008305.20,Tle1,protein_coding	0.15391	0.394322
ENSMUSG00000021385.11,Ippk,protein_coding	0.15388	0.350911
ENSMUSG00000028917.15,Plekhm2,protein_coding	0.15386	0.417373
ENSMUSG00000033712.7,Ccar2,protein_coding	0.15374	0.450787
ENSMUSG00000030814.18,Bcl7c,protein_coding	0.15372	0.513992
ENSMUSG00000030796.18,Tead2,protein_coding	0.15366	0.757391
ENSMUSG00000029712.15,Actl6b,protein_coding	0.15366	0.614837
ENSMUSG00000029126.8,Nsg1,protein_coding	0.15363	0.443063
ENSMUSG00000077323.3,Rnu11,snRNA	0.15362	0.736401
ENSMUSG00000026796.17,Niban2,protein_coding	0.1536	0.528128
ENSMUSG00000127700.1,ENSMUSG00000127700,lncRNA	0.15359	0.85658
ENSMUSG00000047712.9,Ust,protein_coding	0.15344	0.545499
ENSMUSG00000115044.2,Gm48978,TEC	0.15338	0.772061
ENSMUSG00000061740.9,Cyp2d22,protein_coding	0.15338	0.645248
ENSMUSG00000001062.19,Vps9d1,protein_coding	0.15336	0.426316
ENSMUSG00000064120.15,Mocs1,protein_coding	0.15333	0.61355
ENSMUSG00000004791.8,Pgf,protein_coding	0.15332	0.722215
ENSMUSG00000006575.15,Rundc3a,protein_coding	0.15324	0.551288
ENSMUSG00000073293.5,Nudt10,protein_coding	0.1532	0.540948
ENSMUSG00000133849.1,ENSMUSG00000133849,lncRNA	0.15319	0.681786
ENSMUSG00000121226.1,6720407P12Rik,lncRNA	0.15316	0.624379
ENSMUSG00000042506.16,Usp22,protein_coding	0.15316	0.462861
ENSMUSG00000020936.9,Nmt1,protein_coding	0.15312	0.381651
ENSMUSG00000136119.1,ENSMUSG00000136119,lncRNA	0.15311	0.737002

ENSMUSG00000061104.6,Sap18b,protein_coding	0.1531	0.597474
ENSMUSG00000025374.14,Nabp2,protein_coding	0.15309	0.449849
ENSMUSG00000087590.5,Epb41l4aos,lncRNA	0.15292	0.641933
ENSMUSG00000059070.17,Rpl18,protein_coding	0.1529	0.791789
ENSMUSG00000066637.3,Ttc32,protein_coding	0.15288	0.786669
ENSMUSG00000020472.15,Zkscan17,protein_coding	0.15286	0.60588
ENSMUSG00000031950.8,Gabarapl2,protein_coding	0.15286	0.395573
ENSMUSG00000033233.18,Trim45,protein_coding	0.15276	0.606347
ENSMUSG00000031860.18,Pbx4,protein_coding	0.15275	0.658807
ENSMUSG00000094595.2,Fsbp,protein_coding	0.15264	0.81412
ENSMUSG00000027827.18,Kcnab1,protein_coding	0.1526	0.60049
ENSMUSG00000056952.14,Tatdn2,protein_coding	0.15256	0.309814
ENSMUSG00000018433.15,Nol11,protein_coding	0.15254	0.479198
ENSMUSG00000063160.13,Numbl,protein_coding	0.15243	0.587674
ENSMUSG00000022414.9,Tab1,protein_coding	0.15242	0.419148
ENSMUSG00000027956.12,Tmem144,protein_coding	0.15242	0.50415
ENSMUSG00000029199.12,Lias,protein_coding	0.15241	0.362492
ENSMUSG00000114708.3,Gm30177,lncRNA	0.15239	0.73428
ENSMUSG00000027223.16,Mapk8ip1,protein_coding	0.15236	0.480866
ENSMUSG00000046269.18,Usp27x,protein_coding	0.1522	0.620563
ENSMUSG00000087179.11,5730471H19Rik,lncRNA	0.15215	0.884407
ENSMUSG00000028670.15,Lypla2,protein_coding	0.15213	0.579545
ENSMUSG00000041789.9,2700046A07Rik,lncRNA	0.15211	0.879389
ENSMUSG00000035237.8,Lcat,protein_coding	0.15209	0.572185
ENSMUSG00000046027.18,Stard5,protein_coding	0.15209	0.678288
ENSMUSG00000002578.19,Ikzf4,protein_coding	0.15208	0.481552
ENSMUSG00000034648.10,Lrrn1,protein_coding	0.15208	0.37451
ENSMUSG00000101037.4,Gm28424,lncRNA	0.15204	0.606036
ENSMUSG00000112008.2,Gm47218,TEC	0.15202	0.70015
ENSMUSG00000131727.1,ENSMUSG00000131727,lncRNA	0.15199	0.722165
ENSMUSG00000028617.11,Lrrc42,protein_coding	0.15195	0.469438
ENSMUSG00000022763.19,Aifm3,protein_coding	0.15193	0.550688
ENSMUSG00000008140.19,Emc10,protein_coding	0.15193	0.616821
ENSMUSG00000036968.16,Cnpy4,protein_coding	0.15187	0.524771
ENSMUSG00000117069.3,Gm49894,lncRNA	0.15172	0.757767
ENSMUSG00000028978.13,Nos3,protein_coding	0.15169	0.616908
ENSMUSG00000032202.12,Rab27a,protein_coding	0.15169	0.476524
ENSMUSG00000058748.10,Zfp958,protein_coding	0.15159	0.682663
ENSMUSG00000025195.10,Dnmbp,protein_coding	0.15157	0.441842
ENSMUSG00000126408.1,ENSMUSG00000126408,lncRNA	0.15155	0.836691
ENSMUSG00000097636.11,Mirt1,lncRNA	0.15144	0.823493
ENSMUSG00000037972.8,Snn,protein_coding	0.15143	0.547041
ENSMUSG00000024843.16,Chka,protein_coding	0.1514	0.509216
ENSMUSG00000091337.4,Eid1,protein_coding	0.15135	0.53776
ENSMUSG00000039105.7,Atp6v1g1,protein_coding	0.15135	0.444104
ENSMUSG00000074088.7,Snrnp40,protein_coding	0.15135	0.478886
ENSMUSG00000133786.1,ENSMUSG00000133786,lncRNA	0.15129	0.780874
ENSMUSG00000120045.2,Gm46280,lncRNA	0.15117	0.792832
ENSMUSG00000026028.13,Trak2,protein_coding	0.15111	0.430902
ENSMUSG00000022568.18,Scrib,protein_coding	0.15109	0.534481
ENSMUSG00000086596.3,Susd5,protein_coding	0.151	0.688661
ENSMUSG00000025485.14,Ric8a,protein_coding	0.15095	0.370193

ENSMUSG00000039405.8,Prss23,protein_coding	0.15095	0.662077
ENSMUSG00000079235.11,Ccdc13,protein_coding	0.15087	0.766368
ENSMUSG00000029616.10,Erp29,protein_coding	0.15075	0.396295
ENSMUSG00000045039.10,Megf8,protein_coding	0.15074	0.558031
ENSMUSG00000021314.14,Amph,protein_coding	0.15072	0.523879
ENSMUSG00000043004.14,Gng2,protein_coding	0.15071	0.428801
ENSMUSG00000084885.9,3010001F23Rik,lncRNA	0.15066	0.638448
ENSMUSG00000030095.11,Tmem43,protein_coding	0.15063	0.502215
ENSMUSG00000025151.17,Maged1,protein_coding	0.15053	0.592858
ENSMUSG00000038347.16,Tcte2,lncRNA	0.15039	0.606841
ENSMUSG00000119132.1,Gm24407,snRNA	0.15035	0.792984
ENSMUSG00000103360.2,Gm38156,TEC	0.15033	0.57582
ENSMUSG00000101316.2,Gm12663,processed_pseudogene	0.15025	0.73891
ENSMUSG00000103901.2,Gm37499,TEC	0.15023	0.566784
ENSMUSG00000024507.7,Hsd17b4,protein_coding	0.15022	0.447188
ENSMUSG00000022840.10,Adcy5,protein_coding	0.15017	0.771529
ENSMUSG00000034377.11,Tulp4,protein_coding	0.15015	0.378065
ENSMUSG00000025578.10,Cbx8,protein_coding	0.15004	0.532154
ENSMUSG00000029413.15,Naaa,protein_coding	0.15003	0.465368
ENSMUSG00000040396.13,Abhd13,protein_coding	0.15002	0.444561
ENSMUSG00000057594.13,Arl16,protein_coding	0.14999	0.617295
ENSMUSG00000003575.14,Crtc1,protein_coding	0.14998	0.536158
ENSMUSG00000070031.12,Sp140,protein_coding	0.14998	0.914019
ENSMUSG00000026634.17,Angel2,protein_coding	0.14995	0.291928
ENSMUSG00000036186.6,Dipk1b,protein_coding	0.1499	0.632154
ENSMUSG00000120343.2,4930434J08Rik,lncRNA	0.14982	0.652884
ENSMUSG00000122851.1,ENSMUSG00000122851,lncRNA	0.14976	0.801754
ENSMUSG00000025821.10,Zfp282,protein_coding	0.14975	0.352904
ENSMUSG00000050423.12,Ppp1r3g,protein_coding	0.14972	0.769168
ENSMUSG00000001366.15,Fbxo9,protein_coding	0.14963	0.523238
ENSMUSG00000002379.8,Ndufa11,protein_coding	0.14961	0.702796
ENSMUSG00000030872.15,Gga2,protein_coding	0.14959	0.294052
ENSMUSG00000026885.14,Ttll11,protein_coding	0.14956	0.575142
ENSMUSG00000118859.1,Gm26316,snRNA	0.14954	0.82298
ENSMUSG00000097559.2,D430018E03Rik,lncRNA	0.14951	0.655545
ENSMUSG00000005397.9,Nid1,protein_coding	0.14951	0.57215
ENSMUSG00000021917.17,Spcs1,protein_coding	0.1495	0.602232
ENSMUSG00000006021.6,Kptn,protein_coding	0.14948	0.526647
ENSMUSG00000047459.15,Dynlrb1,protein_coding	0.14939	0.565289
ENSMUSG00000066441.15,Rdh11,protein_coding	0.14937	0.408467
ENSMUSG00000009633.4,G0s2,protein_coding	0.14937	0.764545
ENSMUSG00000001847.15,Rac1,protein_coding	0.14927	0.301431
ENSMUSG00000060121.16,Gemin2,protein_coding	0.14925	0.567628
ENSMUSG00000023806.11,Rsph3b,protein_coding	0.14923	0.68369
ENSMUSG00000134054.1,ENSMUSG00000134054,lncRNA	0.14895	0.850927
ENSMUSG00000097893.11,1700034P13Rik,lncRNA	0.14891	0.778426
ENSMUSG00000022559.9,Fbxl6,protein_coding	0.14872	0.594559
ENSMUSG00000070532.6,Ccdc190,protein_coding	0.14868	0.53508
ENSMUSG00000008153.13,Clstn3,protein_coding	0.14867	0.568973
ENSMUSG00000029213.12,Commd8,protein_coding	0.14862	0.337636
ENSMUSG00000025532.14,Crcp,protein_coding	0.1486	0.529018
ENSMUSG00000000278.11,Scpep1,protein_coding	0.14851	0.730762

ENSMUSG00000032855.7,Pkd1,protein_coding	0.1485	0.420241
ENSMUSG00000022517.18,Mgrn1,protein_coding	0.14847	0.527752
ENSMUSG00000020437.13,Myo1g,protein_coding	0.1484	0.908089
ENSMUSG00000028194.16,Ddah1,protein_coding	0.14838	0.466987
ENSMUSG00000041654.16,Slc39a11,protein_coding	0.14825	0.568187
ENSMUSG00000026819.16,Slc25a25,protein_coding	0.14812	0.398527
ENSMUSG00000032251.13,Irak1bp1,protein_coding	0.1481	0.492887
ENSMUSG00000038332.14,Sesn1,protein_coding	0.14809	0.603938
ENSMUSG00000022456.19,Septin3,protein_coding	0.14808	0.48334
ENSMUSG00000021221.17,Dpf3,protein_coding	0.14798	0.746137
ENSMUSG00000003617.17,Cp,protein_coding	0.14796	0.794803
ENSMUSG00000033249.11,Hsf4,protein_coding	0.14795	0.77018
ENSMUSG00000028614.15,Ndc1,protein_coding	0.14795	0.62394
ENSMUSG00000025499.19,Hras,protein_coding	0.14794	0.645875
ENSMUSG00000109645.2,Gm45246,processed_pseudogene	0.14791	0.809881
ENSMUSG00000017405.15,Nek8,protein_coding	0.14768	0.711961
ENSMUSG00000036264.10,Fstl4,protein_coding	0.14765	0.631291
ENSMUSG00000091002.3,Tcerg1l,protein_coding	0.14761	0.611895
ENSMUSG00000040234.17,Tm7sf3,protein_coding	0.14754	0.387822
ENSMUSG00000032047.6,Acat1,protein_coding	0.1475	0.360277
ENSMUSG00000039262.17,Prrc2b,protein_coding	0.1475	0.434555
ENSMUSG00000027498.15,Cstf1,protein_coding	0.14747	0.485455
ENSMUSG00000135686.1,ENSMUSG00000135686,lncRNA	0.14739	0.784278
ENSMUSG00000030495.13,Slc7a10,protein_coding	0.14729	0.631818
ENSMUSG00000112295.2,Gm47017,TEC	0.14726	0.726002
ENSMUSG00000021025.9,Nfkbia,protein_coding	0.14712	0.83575
ENSMUSG00000040219.5,Ttc12,protein_coding	0.14708	0.697102
ENSMUSG00000056832.15,Ift56,protein_coding	0.14707	0.54294
ENSMUSG00000041506.16,Rrp9,protein_coding	0.14695	0.578116
ENSMUSG00000079467.11,Gm14966,lncRNA	0.14694	0.596909
ENSMUSG00000005973.7,Rcn1,protein_coding	0.14691	0.660984
ENSMUSG00000106557.2,Gm42442,TEC	0.1469	0.689195
ENSMUSG00000078193.3,Rpl35rt,protein_coding	0.14681	0.756008
ENSMUSG00000015217.12,Hmgb3,protein_coding	0.14677	0.550865
ENSMUSG00000078768.3,Zfp566,protein_coding	0.14674	0.706805
ENSMUSG00000113070.2,Gm48420,lncRNA	0.14667	0.722501
ENSMUSG00000036622.16,Atp13a2,protein_coding	0.14665	0.545339
ENSMUSG00000053024.15,Cntn2,protein_coding	0.14662	0.521116
ENSMUSG00000000823.17,Zfp512b,protein_coding	0.1466	0.47252
ENSMUSG00000040591.19,Cstpp1,protein_coding	0.14644	0.531771
ENSMUSG00000022452.17,Smdt1,protein_coding	0.14627	0.649917
ENSMUSG00000079045.6,Prox1os,lncRNA	0.14618	0.785704
ENSMUSG00000028902.5,Sf3a3,protein_coding	0.14615	0.556843
ENSMUSG00000064387.3,Snora73a,snoRNA	0.14603	0.672417
ENSMUSG00000032182.16,Yipf2,protein_coding	0.14602	0.460548
ENSMUSG00000002233.14,Rhoc,protein_coding	0.14601	0.65128
ENSMUSG00000128487.1,ENSMUSG00000128487,lncRNA	0.14599	0.803798
ENSMUSG00000004070.16,Hmox2,protein_coding	0.14594	0.502083
ENSMUSG00000092335.3,Zfp977,protein_coding	0.14588	0.686501
ENSMUSG00000043421.9,Hilpda,protein_coding	0.14585	0.735068
ENSMUSG00000033740.18,St18,protein_coding	0.14579	0.783066
ENSMUSG00000042388.15,Dlgap3,protein_coding	0.14576	0.667354

ENSMUSG00000072872.4,Rybp,protein_coding	0.14574	0.427947
ENSMUSG00000070691.11,Runx3,protein_coding	0.14574	0.908253
ENSMUSG00000004837.3,Grap,protein_coding	0.14573	0.899306
ENSMUSG00000070729.6,Gm12966,processed_pseudogene	0.14562	0.820835
ENSMUSG00000016256.11,Ctsz,protein_coding	0.14555	0.829224
ENSMUSG00000036432.9,Siah2,protein_coding	0.14552	0.586509
ENSMUSG00000105135.2,Gm43667,TEC	0.14549	0.744883
ENSMUSG00000002504.16,Nherf2,protein_coding	0.14548	0.529701
ENSMUSG00000030967.16,Zranb1,protein_coding	0.14534	0.483642
ENSMUSG00000023791.19,Pigx,protein_coding	0.14528	0.616181
ENSMUSG00000023353.15,Agap3,protein_coding	0.14527	0.583032
ENSMUSG00000063808.15,Gpatch1,protein_coding	0.14521	0.406469
ENSMUSG00000019883.12,Echdc1,protein_coding	0.14516	0.431948
ENSMUSG00000026395.17,Ptprc,protein_coding	0.14516	0.915632
ENSMUSG00000103285.2,Gm37274,TEC	0.14506	0.640672
ENSMUSG00000032350.10,Gclc,protein_coding	0.14506	0.268534
ENSMUSG00000039952.16,Dag1,protein_coding	0.14502	0.319566
ENSMUSG00000085196.3,Gm14963,lncRNA	0.14501	0.858292
ENSMUSG00000017493.13,Igfbp4,protein_coding	0.14499	0.670932
ENSMUSG00000034341.18,Wbp2,protein_coding	0.14498	0.486009
ENSMUSG00000070063.3,Snora33,snoRNA	0.14497	0.870062
ENSMUSG00000118138.2,Gm50322,lncRNA	0.14496	0.725946
ENSMUSG00000034659.15,Tmem109,protein_coding	0.14481	0.592522
ENSMUSG00000035572.17,Dcaf10,protein_coding	0.1448	0.281833
ENSMUSG00000060904.15,Arl1,protein_coding	0.14474	0.46059
ENSMUSG00000023015.15,Racgap1,protein_coding	0.14468	0.819926
ENSMUSG00000025427.16,Ark2c,protein_coding	0.14467	0.635134
ENSMUSG00000092397.9,Actc1dt,lncRNA	0.14465	0.880346
ENSMUSG00000004113.20,Cacna1b,protein_coding	0.14464	0.56117
ENSMUSG00000003585.14,Sec14l2,protein_coding	0.14461	0.582452
ENSMUSG00000105228.2,Gm43340,TEC	0.14456	0.675623
ENSMUSG00000035547.15,Capn5,protein_coding	0.14454	0.610603
ENSMUSG00000030824.18,Nucb1,protein_coding	0.14453	0.518961
ENSMUSG00000027602.10,Map1lc3a,protein_coding	0.14449	0.704505
ENSMUSG00000018459.16,Slc13a3,protein_coding	0.14447	0.558465
ENSMUSG00000117406.2,Ntn3,protein_coding	0.14443	0.657275
ENSMUSG00000119520.1,Gm24265,snRNA	0.14442	0.780557
ENSMUSG00000015340.11,Cybb,protein_coding	0.14437	0.919892
ENSMUSG00000057363.13,Uxs1,protein_coding	0.14434	0.449857
ENSMUSG00000049804.10,Armcx4,protein_coding	0.14433	0.492452
ENSMUSG00000031059.10,Ndufb11,protein_coding	0.14428	0.561508
ENSMUSG00000034000.16,Neu4,protein_coding	0.14416	0.68562
ENSMUSG00000021288.20,Klc1,protein_coding	0.14416	0.491365
ENSMUSG00000108832.3,Gm44832,lncRNA	0.14415	0.822763
ENSMUSG00000031851.15,Ntpcr,protein_coding	0.1441	0.619587
ENSMUSG00000039154.9,Shd,protein_coding	0.14406	0.705617
ENSMUSG00000025370.8,Cdh9,protein_coding	0.14406	0.762652
ENSMUSG00000078580.4,Zfp764l1,protein_coding	0.14404	0.526092
ENSMUSG00000058173.13,Smco4,protein_coding	0.14402	0.77023
ENSMUSG00000104052.2,Gm38125,TEC	0.14398	0.691369
ENSMUSG00000045503.17,Sys1,protein_coding	0.14381	0.381321
ENSMUSG00000078572.4,Ndufaf8,protein_coding	0.14381	0.633383

ENSMUSG00000039115.14,Itga9,protein_coding	0.14379	0.638892
ENSMUSG00000041741.11,Pde3a,protein_coding	0.14379	0.596578
ENSMUSG00000079598.5,Clec2l,protein_coding	0.14369	0.666659
ENSMUSG00000040037.14,Negr1,protein_coding	0.14364	0.538654
ENSMUSG00000061578.10,Ksr2,protein_coding	0.14359	0.513895
ENSMUSG00000107276.2,Gm42858,TEC	0.14358	0.710302
ENSMUSG00000028804.21,Csmd2,protein_coding	0.14348	0.626828
ENSMUSG00000025189.10,Cnnm1,protein_coding	0.14347	0.502271
ENSMUSG00000030410.17,Dmwd,protein_coding	0.14344	0.57457
ENSMUSG00000018770.10,Atp5mc3,protein_coding	0.1434	0.498008
ENSMUSG00000126878.1,ENSMUSG00000126878,lncRNA	0.14336	0.895808
ENSMUSG00000026385.17,Dbi,protein_coding	0.14332	0.655912
ENSMUSG00000029219.11,Slc10a4,protein_coding	0.14325	0.908312
ENSMUSG00000020297.11,Nsg2,protein_coding	0.14311	0.655936
ENSMUSG00000097906.2,Gm9625,processed_pseudogene	0.14311	0.864309
ENSMUSG00000104950.2,4833413G10Rik,lncRNA	0.1431	0.622743
ENSMUSG00000027367.17,Stard7,protein_coding	0.14309	0.255342
ENSMUSG00000029359.14,Tesc,protein_coding	0.14301	0.596369
ENSMUSG00000114715.3,Gm34471,lncRNA	0.14294	0.840982
ENSMUSG00000046668.10,Cxxc5,protein_coding	0.1429	0.44306
ENSMUSG00000002699.14,Lcp2,protein_coding	0.1429	0.850267
ENSMUSG00000023087.17,Noct,protein_coding	0.14287	0.391972
ENSMUSG00000116936.2,Bod1-ps,processed_pseudogene	0.14284	0.823649
ENSMUSG00000001150.8,Mcm3ap,protein_coding	0.14283	0.37098
ENSMUSG00000042842.12,Serpinb6b,protein_coding	0.14278	0.811999
ENSMUSG00000117289.3,1700093J21Rik,lncRNA	0.14266	0.703941
ENSMUSG00000057060.9,Slc35f3,protein_coding	0.14265	0.565755
ENSMUSG00000026154.5,Sdhaf4,protein_coding	0.14264	0.573388
ENSMUSG00000140523.1,ENSMUSG00000140523,lncRNA	0.14261	0.700222
ENSMUSG00000030030.6,1700003E16Rik,protein_coding	0.14251	0.710702
ENSMUSG00000028854.10,Slc9a1,protein_coding	0.14238	0.508689
ENSMUSG00000113864.2,Gm48381,TEC	0.14236	0.664249
ENSMUSG00000032913.14,Lrig2,protein_coding	0.14235	0.3455
ENSMUSG00000097385.2,Gm26814,TEC	0.14233	0.691623
ENSMUSG00000085653.10,Gm15179,lncRNA	0.14203	0.8704
ENSMUSG00000080683.3,Gm23991,snoRNA	0.14202	0.740738
ENSMUSG00000000902.14,Smarcb1,protein_coding	0.14201	0.339766
ENSMUSG00000027603.16,Ggt7,protein_coding	0.142	0.62047
ENSMUSG00000036814.14,Slc6a20a,protein_coding	0.14195	0.693722
ENSMUSG00000001313.13,Rnd2,protein_coding	0.1417	0.625111
ENSMUSG00000053565.11,Eif3k,protein_coding	0.14168	0.642752
ENSMUSG00000141748.1,ENSMUSG00000141748,lncRNA	0.14157	0.705489
ENSMUSG00000097884.2,Gm26543,lncRNA	0.14146	0.771823
ENSMUSG00000068794.8,Col28a1,protein_coding	0.14143	0.771897
ENSMUSG00000038390.12,Gpr162,protein_coding	0.14136	0.571576
ENSMUSG00000050953.11,Gja1,protein_coding	0.14134	0.457763
ENSMUSG00000031090.15,Nadsyn1,protein_coding	0.14122	0.730835
ENSMUSG00000037625.8,Cldn11,protein_coding	0.14119	0.436927
ENSMUSG00000117974.3,Tuba-rs1,transcribed_processed_pseudogene	0.14117	0.788224
ENSMUSG00000014873.16,Surf2,protein_coding	0.14115	0.431224
ENSMUSG00000062647.17,Rpl7a,protein_coding	0.14113	0.727383
ENSMUSG00000064264.15,Zfp428,protein_coding	0.14113	0.715571

ENSMUSG00000006519.12,Cyba,protein_coding	0.14109	0.895824
ENSMUSG00000108010.3,Spehd,lncRNA	0.14107	0.806988
ENSMUSG00000067279.4,Ppp1r3c,protein_coding	0.14106	0.460994
ENSMUSG00000000266.12,Mid2,protein_coding	0.14106	0.37487
ENSMUSG00000020256.15,Aldh1l2,protein_coding	0.14104	0.714933
ENSMUSG00000047238.5,Mageh1,protein_coding	0.14102	0.467809
ENSMUSG00000032087.12,Dscaml1,protein_coding	0.14101	0.611342
ENSMUSG00000002847.8,Pla1a,protein_coding	0.14099	0.833665
ENSMUSG00000112947.2,Gm47493,TEC	0.14092	0.748235
ENSMUSG00000028488.16,Sh3gl2,protein_coding	0.14089	0.492165
ENSMUSG00000036752.5,Tubb4b,protein_coding	0.14087	0.585696
ENSMUSG00000031169.14,Porcn,protein_coding	0.14087	0.607432
ENSMUSG00000025558.20,Dock9,protein_coding	0.14079	0.43125
ENSMUSG00000056185.6,Snx32,protein_coding	0.14068	0.565578
ENSMUSG00000057777.6,Mab21l2,protein_coding	0.14066	0.887336
ENSMUSG00000016757.12,Ttll12,protein_coding	0.14047	0.570642
ENSMUSG00000034781.6,Gna11,protein_coding	0.14032	0.544781
ENSMUSG00000006019.16,Dhx34,protein_coding	0.14027	0.674203
ENSMUSG00000031530.7,Dusp4,protein_coding	0.14024	0.664235
ENSMUSG00000098557.2,Kctd12,protein_coding	0.14022	0.629071
ENSMUSG00000007564.16,Ppp2r1a,protein_coding	0.14021	0.546237
ENSMUSG00000053552.15,Ebf4,protein_coding	0.14015	0.74898
ENSMUSG00000052911.10,Lamb2,protein_coding	0.14004	0.559471
ENSMUSG00000032812.19,Arap1,protein_coding	0.14001	0.558299
ENSMUSG00000036646.14,Man1b1,protein_coding	0.13993	0.431857
ENSMUSG00000042155.4,Klhl23,protein_coding	0.13992	0.552472
ENSMUSG00000059734.8,Ndufs8,protein_coding	0.13986	0.636041
ENSMUSG00000097513.2,Gm26696,TEC	0.13985	0.782552
ENSMUSG00000038094.16,Atp13a4,protein_coding	0.13984	0.424488
ENSMUSG00000038587.11,Akap12,protein_coding	0.13984	0.608113
ENSMUSG00000114993.2,Gm6363,processed_pseudogene	0.13983	0.872186
ENSMUSG00000130767.1,ENSMUSG00000130767,lncRNA	0.13969	0.772316
ENSMUSG00000023495.14,Pcbp4,protein_coding	0.13968	0.568359
ENSMUSG00000021234.10,Fam161b,protein_coding	0.13966	0.491257
ENSMUSG00000025147.8,Mob2,protein_coding	0.13955	0.366566
ENSMUSG00000001211.16,Agpat3,protein_coding	0.13953	0.359385
ENSMUSG00000000088.8,Cox5a,protein_coding	0.13947	0.562486
ENSMUSG00000103085.2,Gm38120,TEC	0.13944	0.626015
ENSMUSG00000022956.12,Atp5po,protein_coding	0.13942	0.577103
ENSMUSG00000114431.2,Gm48601,TEC	0.1394	0.637013
ENSMUSG00000031967.16,Afg3l1,protein_coding	0.13939	0.346484
ENSMUSG00000029730.17,Mcm7,protein_coding	0.13938	0.84167
ENSMUSG00000027605.19,Acss2,protein_coding	0.13933	0.340599
ENSMUSG00000104897.2,Gm43203,TEC	0.13926	0.839055
ENSMUSG00000010663.6,Fads1,protein_coding	0.13923	0.469754
ENSMUSG00000103828.2,2610001A08Rik,TEC	0.13913	0.737557
ENSMUSG00000022427.5,Tomm22,protein_coding	0.1391	0.463318
ENSMUSG00000120880.2,1700029K24Rik,lncRNA	0.13909	0.754014
ENSMUSG00000054013.7,Tmem179,protein_coding	0.139	0.752926
ENSMUSG00000095463.9,Entpd4,protein_coding	0.13899	0.508317
ENSMUSG00000003346.15,Abhd17a,protein_coding	0.13893	0.659069
ENSMUSG00000070471.4,Erich6,protein_coding	0.1389	0.791413

ENSMUSG00000133649.1,ENSMUSG00000133649,lncRNA	0.13886	0.855222
ENSMUSG00000030257.17,Srgap3,protein_coding	0.13883	0.480594
ENSMUSG00000030695.17,Aldoa,protein_coding	0.13881	0.621935
ENSMUSG00000037686.7,Aspg,protein_coding	0.13881	0.741187
ENSMUSG00000075701.11,Selenos,protein_coding	0.13878	0.619628
ENSMUSG00000040822.8,1700123O20Rik,protein_coding	0.13878	0.639453
ENSMUSG00000005299.7,Letm1,protein_coding	0.13872	0.382512
ENSMUSG00000053113.4,Socs3,protein_coding	0.1387	0.847318
ENSMUSG00000020363.7,Gfpt2,protein_coding	0.13866	0.645541
ENSMUSG00000048960.14,Prex2,protein_coding	0.13856	0.560358
ENSMUSG00000039347.8,Atp6v0e2,protein_coding	0.13855	0.64225
ENSMUSG00000058301.9,Upf1,protein_coding	0.13851	0.460615
ENSMUSG00000133223.1,ENSMUSG00000133223,lncRNA	0.1385	0.812085
ENSMUSG00000016940.19,Kctd2,protein_coding	0.13844	0.530766
ENSMUSG00000041653.6,Pnpla3,protein_coding	0.1384	0.801452
ENSMUSG00000019261.4,Map1s,protein_coding	0.13838	0.481977
ENSMUSG00000024608.12,Rps14,protein_coding	0.13831	0.739665
ENSMUSG00000030987.6,Stim1,protein_coding	0.13828	0.340678
ENSMUSG00000083420.2,Gm15665,processed_pseudogene	0.13826	0.831546
ENSMUSG00000106018.2,Gm43527,TEC	0.13824	0.78631
ENSMUSG00000103625.2,Gm37357,TEC	0.13822	0.776475
ENSMUSG00000065990.13,Aurkaip1,protein_coding	0.1382	0.614936
ENSMUSG00000035239.8,Neu3,protein_coding	0.1382	0.73218
ENSMUSG00000081344.6,Gm14303,processed_pseudogene	0.13813	0.825911
ENSMUSG00000018574.15,Acadvl,protein_coding	0.13809	0.610321
ENSMUSG00000074743.5,Thbd,protein_coding	0.13806	0.671169
ENSMUSG00000102556.2,Gm37569,TEC	0.13805	0.785881
ENSMUSG00000124146.1,ENSMUSG00000124146,lncRNA	0.13805	0.859861
ENSMUSG00000028743.8,Akr7a5,protein_coding	0.13805	0.642087
ENSMUSG00000079557.12,Marchf2,protein_coding	0.13795	0.426486
ENSMUSG00000020253.16,Ppm1m,protein_coding	0.13795	0.76857
ENSMUSG00000096351.3,Samd11,protein_coding	0.13792	0.771595
ENSMUSG00000059866.14,Tnip2,protein_coding	0.13791	0.662702
ENSMUSG00000047832.10,Cdca4,protein_coding	0.13791	0.785642
ENSMUSG00000037032.18,Apbb1,protein_coding	0.13791	0.642936
ENSMUSG00000042111.10,Ccdc115,protein_coding	0.13791	0.459317
ENSMUSG00000084159.2,Gm12696,processed_pseudogene	0.1379	0.838947
ENSMUSG00000074405.9,Zfp865,protein_coding	0.1379	0.370249
ENSMUSG00002074853.1,Scarna3a,scaRNA	0.13788	0.8178
ENSMUSG00000037885.19,Stk35,protein_coding	0.1378	0.397254
ENSMUSG00000033405.5,Nudt15,protein_coding	0.1378	0.582673
ENSMUSG00000103255.2,Pcdhac1,protein_coding	0.13779	0.633622
ENSMUSG00000034685.5,Fam171a2,protein_coding	0.13769	0.691856
ENSMUSG00000141473.1,ENSMUSG00000141473,lncRNA	0.13759	0.856665
ENSMUSG00000040570.15,Rundc3b,protein_coding	0.13757	0.598237
ENSMUSG00000029050.16,Ski,protein_coding	0.13755	0.484791
ENSMUSG00000038046.5,Mrm3,protein_coding	0.13746	0.615661
ENSMUSG00000016528.11,Mapkapk2,protein_coding	0.13742	0.624202
ENSMUSG00000029449.12,Rhof,protein_coding	0.1374	0.588664
ENSMUSG00000029047.14,Pex10,protein_coding	0.13737	0.606077
ENSMUSG00000111977.2,Gm47163,lncRNA	0.13727	0.648041
ENSMUSG00000024534.16,Sncaip,protein_coding	0.13726	0.580294

ENSMUSG00000042670.6,Immp1l,protein_coding	0.13721	0.6551
ENSMUSG00000046010.8,Zfp830,protein_coding	0.13716	0.577099
ENSMUSG00000072623.7,Zfp9,protein_coding	0.13711	0.458817
ENSMUSG00000040929.18,Rfx3,protein_coding	0.13702	0.627394
ENSMUSG00000075334.3,Rprm,protein_coding	0.13701	0.634583
ENSMUSG00000036299.6,BC031181,protein_coding	0.13699	0.498295
ENSMUSG00000068396.10,Rpl34-ps1,processed_pseudogene	0.13697	0.965312
ENSMUSG00000039043.6,Arpin,protein_coding	0.13689	0.600889
ENSMUSG00000039990.17,Edrf1,protein_coding	0.13686	0.329746
ENSMUSG00000032883.16,Acsl3,protein_coding	0.13685	0.431164
ENSMUSG00000021811.8,Dnajc9,protein_coding	0.13683	0.610514
ENSMUSG00000032018.15,Sc5d,protein_coding	0.13681	0.417684
ENSMUSG00000025651.15,Uqcrc1,protein_coding	0.13678	0.533936
ENSMUSG00000055761.15,Nkain3,protein_coding	0.13667	0.670435
ENSMUSG00000119640.1,Gm24871,snRNA	0.13665	0.906578
ENSMUSG00000025402.13,Nab2,protein_coding	0.13655	0.44199
ENSMUSG00000021508.12,Cxcl14,protein_coding	0.13646	0.53091
ENSMUSG00000120847.1,Gm56991,lncRNA	0.13643	0.734182
ENSMUSG00000099342.2,Gm18180,processed_pseudogene	0.13639	0.752494
ENSMUSG00000042303.20,Sgsm3,protein_coding	0.13639	0.623627
ENSMUSG00000077611.3,Gm23946,snoRNA	0.13638	0.694466
ENSMUSG00000026851.10,BC005624,protein_coding	0.13638	0.480116
ENSMUSG00002076896.1,Gm55431,scaRNA	0.13636	0.63502
ENSMUSG00000045268.14,Zfp691,protein_coding	0.13626	0.746289
ENSMUSG00000097150.2,Gm26513,lncRNA	0.13625	0.79409
ENSMUSG00000104687.2,Gm42899,TEC	0.13623	0.791186
ENSMUSG00000103442.6,Pcdha1,protein_coding	0.13621	0.748792
ENSMUSG00000120241.2,Gm57315,lncRNA	0.13619	0.677512
ENSMUSG00000038895.17,Zfp653,protein_coding	0.13616	0.613248
ENSMUSG00000119805.1,Snord14c,snoRNA	0.13614	0.737065
ENSMUSG00000106822.2,Gm43533,TEC	0.13613	0.779192
ENSMUSG00000112142.2,Gm47022,TEC	0.13611	0.756554
ENSMUSG00000049299.15,Trappc1,protein_coding	0.13599	0.618833
ENSMUSG00000031983.8,2310022B05Rik,protein_coding	0.13596	0.53826
ENSMUSG00000048371.9,Pdp2,protein_coding	0.13592	0.38302
ENSMUSG00000031821.12,Gins2,protein_coding	0.13589	0.811826
ENSMUSG00000040690.16,Col16a1,protein_coding	0.13589	0.744658
ENSMUSG00000098760.3,Gm2164,lncRNA	0.13588	0.789433
ENSMUSG00000075419.5,Dolk,protein_coding	0.13585	0.618943
ENSMUSG00000134320.1,ENSMUSG00000134320,lncRNA	0.13584	0.891332
ENSMUSG00000028756.13,Pink1,protein_coding	0.13582	0.538491
ENSMUSG00000031988.11,Vps26b,protein_coding	0.13581	0.483655
ENSMUSG00000015335.17,Zdhhc12,protein_coding	0.13579	0.671653
ENSMUSG00000029456.13,Acad10,protein_coding	0.13576	0.662444
ENSMUSG00000032518.7,Rpsa,protein_coding	0.13572	0.775634
ENSMUSG00000031708.18,Tecr,protein_coding	0.13567	0.62749
ENSMUSG00000075706.12,Gpx4,protein_coding	0.13566	0.569088
ENSMUSG00000037493.7,Cib2,protein_coding	0.13559	0.725334
ENSMUSG00000078636.5,Gm7336,processed_pseudogene	0.13557	0.811534
ENSMUSG00000048040.9,Arxes2,protein_coding	0.13556	0.567903
ENSMUSG00000032394.7,Igdcc3,protein_coding	0.13554	0.72973
ENSMUSG00000051232.14,Tmem199,protein_coding	0.13553	0.593394

ENSMUSG00000069520.7,Tmem19,protein_coding	0.13552	0.476013
ENSMUSG00000052942.14,Glis3,protein_coding	0.1355	0.525582
ENSMUSG00000049422.8,Chchd10,protein_coding	0.1355	0.675023
ENSMUSG00000021240.7,Abcd4,protein_coding	0.13548	0.591231
ENSMUSG00000052837.8,Junb,protein_coding	0.13537	0.551995
ENSMUSG00000032192.10,Gnb5,protein_coding	0.13536	0.56594
ENSMUSG00000024033.11,Rsph1,protein_coding	0.13532	0.834372
ENSMUSG00000043051.19,Disc1,protein_coding	0.13527	0.754186
ENSMUSG00000025747.13,Tyms,protein_coding	0.13518	0.868565
ENSMUSG00000027318.18,Adam33,protein_coding	0.13516	0.832419
ENSMUSG00000061111.9,Mcrip1,protein_coding	0.1351	0.612506
ENSMUSG00000027993.17,Trim2,protein_coding	0.13501	0.481156
ENSMUSG00000016252.8,Atp5f1e,protein_coding	0.13501	0.625912
ENSMUSG00000048583.18,Igf2,protein_coding	0.13487	0.711266
ENSMUSG00000027472.15,Pdrg1,protein_coding	0.13487	0.488681
ENSMUSG00000007097.15,Atp1a2,protein_coding	0.13486	0.408434
ENSMUSG00000102543.6,Pcdhgc5,protein_coding	0.13472	0.719865
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ENSMUSG00000052214.10,Opa3,protein_coding	0.13465	0.457975
ENSMUSG00000103364.2,Gm38157,TEC	0.1346	0.66863
ENSMUSG00000051950.11,B3glct,protein_coding	0.13447	0.510204
ENSMUSG00000036672.6,Cenpt,protein_coding	0.13446	0.617335
ENSMUSG00000007833.16,Aldh16a1,protein_coding	0.13437	0.758444
ENSMUSG00000044362.9,Ccdc89,protein_coding	0.13433	0.846153
ENSMUSG00000029669.15,Tspan12,protein_coding	0.13432	0.627985
ENSMUSG00000052479.7,A330008L17Rik,lncRNA	0.13428	0.722334
ENSMUSG00000024909.16,Efemp2,protein_coding	0.13428	0.676122
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ENSMUSG00000043458.6,Pcdhb12,protein_coding	0.1342	0.564298
ENSMUSG00000084349.4,Rpl3-ps1,processed_pseudogene	0.13415	0.726673
ENSMUSG00000018500.3,Adora2b,protein_coding	0.13414	0.808381
ENSMUSG00000097595.4,1500002F19Rik,lncRNA	0.13414	0.810924
ENSMUSG00000030172.16,Erc1,protein_coding	0.13413	0.643514
ENSMUSG00000042747.13,Krtcap2,protein_coding	0.1341	0.728858
ENSMUSG00000064390.3,Snord73b,snoRNA	0.13407	0.908016
ENSMUSG00000037098.19,Rab11fip3,protein_coding	0.13403	0.528967
ENSMUSG00000029642.12,Polr1d,protein_coding	0.13402	0.603359
ENSMUSG00000041992.10,Rapgef5,protein_coding	0.13398	0.511434
ENSMUSG00000002820.7,Atg4d,protein_coding	0.13396	0.523879
ENSMUSG00000042292.19,Mrtfa,protein_coding	0.13394	0.583046
ENSMUSG00000015291.11,Gdi1,protein_coding	0.13389	0.547829
ENSMUSG00000015702.15,Anxa9,protein_coding	0.13386	0.855734
ENSMUSG00000085586.4,Gm11613,lncRNA	0.13385	0.519313
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ENSMUSG00000067722.5,Uqcc4,protein_coding	0.13384	0.431154
ENSMUSG00000031453.17,Rasa3,protein_coding	0.13381	0.387823
ENSMUSG00000092009.2,Myh15,protein_coding	0.13378	0.804159
ENSMUSG00000035953.15,Pip4p1,protein_coding	0.13373	0.396964
ENSMUSG00000021610.9,Clptm1l,protein_coding	0.13369	0.464446
ENSMUSG00000024059.11,Clip4,protein_coding	0.13366	0.584503
ENSMUSG00000017664.17,Slc35c2,protein_coding	0.13359	0.621975
ENSMUSG00000026277.15,Stk25,protein_coding	0.13353	0.498316

ENSMUSG00000109150.2,Gm45793,TEC	0.13348	0.832455
ENSMUSG00000048776.9,Pthlh,protein_coding	0.13348	0.80388
ENSMUSG00000059058.8,Tma7-ps,processed_pseudogene	0.13345	0.617819
ENSMUSG00000040767.12,Snrnp25,protein_coding	0.13345	0.755087
ENSMUSG00000087094.3,Gm13093,lncRNA	0.13343	0.888993
ENSMUSG00000109131.2,Gm44862,TEC	0.13332	0.76356
ENSMUSG00000036949.17,Slc39a12,protein_coding	0.13332	0.609383
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ENSMUSG00000046959.17,Slc26a1,protein_coding	0.13306	0.828755
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ENSMUSG00000082226.5,Gm715,protein_coding	0.13304	0.796772
ENSMUSG00000003135.16,Cnot11,protein_coding	0.13303	0.468554
ENSMUSG00000039483.11,Asb6,protein_coding	0.13302	0.514475
ENSMUSG00000096188.2,Cmtm4,protein_coding	0.13301	0.565065
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ENSMUSG00000051627.4,H1f4,protein_coding	0.13283	0.837925
ENSMUSG00000022564.8,Grina,protein_coding	0.13281	0.591567
ENSMUSG00000020471.12,Pold2,protein_coding	0.13274	0.702754
ENSMUSG00000076437.12,Selenoh,protein_coding	0.13274	0.790319
ENSMUSG00000037902.19,Sirpa,protein_coding	0.13269	0.497868
ENSMUSG00000030465.21,Psd3,protein_coding	0.13265	0.616609
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ENSMUSG00000108389.2,Gm45206,TEC	0.13252	0.646156
ENSMUSG00000071203.7,Naip5,protein_coding	0.13248	0.909909
ENSMUSG00000028096.14,Gpr89,protein_coding	0.13247	0.387049
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ENSMUSG00000034259.9,Exosc4,protein_coding	0.1324	0.600398
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ENSMUSG00000027566.16,Psma7,protein_coding	0.13229	0.625105
ENSMUSG00000031904.6,Slc7a6,protein_coding	0.13224	0.478528
ENSMUSG00000044148.7,1810030O07Rik,protein_coding	0.13219	0.543417
ENSMUSG00000032064.18,Dixdc1,protein_coding	0.13217	0.507574
ENSMUSG00000117371.4,Gm50019,lncRNA	0.13214	0.808911
ENSMUSG00000021054.7,Sgpp1,protein_coding	0.13212	0.600577
ENSMUSG00000050144.14,Slc25a44,protein_coding	0.13207	0.532589
ENSMUSG00000053646.14,Plxnb1,protein_coding	0.13206	0.465531
ENSMUSG00000033707.10,Lrrc24,protein_coding	0.13203	0.725901
ENSMUSG00000019906.16,Lin7a,protein_coding	0.13193	0.715045
ENSMUSG00000099696.9,2900052N01Rik,lncRNA	0.13192	0.748913
ENSMUSG00000104940.2,Gm42908,TEC	0.13189	0.713995
ENSMUSG00000097649.5,Gm10561,lncRNA	0.13188	0.794258
ENSMUSG00000120863.2,Gm56582,lncRNA	0.13186	0.600562
ENSMUSG00000031467.11,Agpat5,protein_coding	0.13172	0.446964
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ENSMUSG00000038648.6,Creb3l2,protein_coding	0.1317	0.499617
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ENSMUSG00000051934.6,Spats2,protein_coding	0.13161	0.482086
ENSMUSG00000140290.1,ENSMUSG00000140290,lncRNA	0.13157	0.713895
ENSMUSG00000021750.17,Fam107a,protein_coding	0.13155	0.640705
ENSMUSG00000000751.14,Rpa1,protein_coding	0.13149	0.642671
ENSMUSG00000022043.20,Trim35,protein_coding	0.13146	0.437365
ENSMUSG00000014852.17,Adamts13,protein_coding	0.13146	0.90371
ENSMUSG00000015354.9,Pcolce2,protein_coding	0.13146	0.655057
ENSMUSG00000091021.3,Gm17300,lncRNA	0.13144	0.843322
ENSMUSG00000120850.2,Gm56765,lncRNA	0.1314	0.588966
ENSMUSG00000031391.19,L1cam,protein_coding	0.13134	0.661065
ENSMUSG00000070738.11,Dgkd,protein_coding	0.13131	0.574073
ENSMUSG00000014602.16,Kif1a,protein_coding	0.1313	0.598631
ENSMUSG00000110377.2,Gm45363,TEC	0.13129	0.808067
ENSMUSG00000034748.17,Sirt6,protein_coding	0.13126	0.686974
ENSMUSG00000032763.12,Ilvbl,protein_coding	0.13123	0.551324
ENSMUSG00000000740.13,Rpl13,protein_coding	0.13117	0.748645
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ENSMUSG00000001056.4,Nhp2,protein_coding	0.13109	0.715574
ENSMUSG00000032648.15,Pygm,protein_coding	0.13109	0.66942
ENSMUSG00000029062.15,Cdk11b,protein_coding	0.13108	0.422976
ENSMUSG00000011158.9,Brf1,protein_coding	0.13108	0.445418
ENSMUSG00000019969.15,Psen1,protein_coding	0.13106	0.326897
ENSMUSG00000024146.10,Cript,protein_coding	0.13105	0.643744
ENSMUSG00000096458.8,Moap1,protein_coding	0.13104	0.784082
ENSMUSG00000037621.9,Atoh8,protein_coding	0.13101	0.798675
ENSMUSG00000002608.9,Ccdc97,protein_coding	0.131	0.540318
ENSMUSG00000029578.16,Wipi2,protein_coding	0.13097	0.347463
ENSMUSG00000006442.11,Srm,protein_coding	0.13096	0.550986
ENSMUSG00000064345.1,mt-Nd2,protein_coding	0.13096	0.78459
ENSMUSG00000040061.18,Plcb2,protein_coding	0.13096	0.834569
ENSMUSG00000024644.18,Cndp2,protein_coding	0.13095	0.548607
ENSMUSG00000001943.9,Vsig2,protein_coding	0.13094	0.732163
ENSMUSG00000046714.8,Foxc2,protein_coding	0.13089	0.812215
ENSMUSG00000114147.3,Gm18939,transcribed_processed_pseudogene	0.13087	0.819951
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ENSMUSG00000020018.7,Snrpf,protein_coding	0.13069	0.791137
ENSMUSG00000037752.5,Xkr8,protein_coding	0.13067	0.55084
ENSMUSG00000120803.1,Larp4b,lncRNA	0.13061	0.699031
ENSMUSG00000033253.19,Szt2,protein_coding	0.13058	0.493988
ENSMUSG00000024258.5,Polr2d,protein_coding	0.13048	0.6798
ENSMUSG00000106612.2,Gm43750,TEC	0.13033	0.738927
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ENSMUSG00000000732.10,Icosl,protein_coding	0.13028	0.879048
ENSMUSG00000042429.10,Adora1,protein_coding	0.13028	0.54871
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ENSMUSG00000028671.17,Gale,protein_coding	0.13023	0.722516
ENSMUSG00000061024.9,Rrs1,protein_coding	0.13015	0.657527
ENSMUSG00000079037.10,Prnp,protein_coding	0.13011	0.560683

ENSMUSG00000061911.16,Myt1l,protein_coding	0.12999	0.592908
ENSMUSG00000032777.10,Gtf3c1,protein_coding	0.12997	0.449599
ENSMUSG00000037787.15,Coa8,protein_coding	0.12993	0.521763
ENSMUSG00000020444.21,Guk1,protein_coding	0.12992	0.632057
ENSMUSG00000034854.9,Mfsd12,protein_coding	0.12983	0.583796
ENSMUSG00000021567.16,Nkd2,protein_coding	0.1298	0.821546
ENSMUSG00000113742.2,Gm48262,TEC	0.12974	0.841109
ENSMUSG00000120008.2,Gm56822,lncRNA	0.12973	0.604855
ENSMUSG00000028949.14,Smarcd3,protein_coding	0.1297	0.70483
ENSMUSG00000028409.12,Smu1,protein_coding	0.12968	0.458223
ENSMUSG00000032174.6,Icam5,protein_coding	0.12964	0.783805
ENSMUSG00000026988.16,Wdsub1,protein_coding	0.12962	0.615057
ENSMUSG00000051343.12,Rab11fip5,protein_coding	0.12962	0.570783
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ENSMUSG00000087475.6,4933406I18Rik,lncRNA	0.12958	0.664067
ENSMUSG00000029440.16,Psmd9,protein_coding	0.12955	0.420689
ENSMUSG00000089862.9,Umad1,protein_coding	0.12955	0.534977
ENSMUSG00000041961.15,Znrf3,protein_coding	0.12954	0.338922
ENSMUSG00000119442.1,Gm23966,snRNA	0.12945	0.879514
ENSMUSG00002076818.1,Snord14e,snoRNA	0.12944	0.841148
ENSMUSG00000035206.11,Sppl2b,protein_coding	0.12942	0.581654
ENSMUSG00000057156.11,Homez,protein_coding	0.12933	0.504005
ENSMUSG00000040447.16,Spns2,protein_coding	0.12928	0.516375
ENSMUSG00000040771.15,Oard1,protein_coding	0.12928	0.616491
ENSMUSG00000071856.11,Mcc,protein_coding	0.12918	0.600985
ENSMUSG00000058260.3,Serpina9,protein_coding	0.12916	0.899478
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ENSMUSG00000037172.15,Dennd11,protein_coding	0.12909	0.622569
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ENSMUSG00000038205.13,Prkab2,protein_coding	0.12906	0.469321
ENSMUSG00000115898.2,Gm49524,TEC	0.12905	0.793117
ENSMUSG00000104462.2,Gm37661,TEC	0.12903	0.781655
ENSMUSG00000074802.12,Gas2l3,protein_coding	0.12898	0.806122
ENSMUSG00000022765.11,Snap29,protein_coding	0.12895	0.457632
ENSMUSG00000006390.16,Elovl1,protein_coding	0.12893	0.685823
ENSMUSG00000140707.1,ENSMUSG00000140707,lncRNA	0.12884	0.805702
ENSMUSG00000059791.15,Nrm,protein_coding	0.12881	0.826458
ENSMUSG00000034055.17,Phka1,protein_coding	0.1287	0.479791
ENSMUSG00000045996.13,Polr2k,protein_coding	0.12862	0.717208
ENSMUSG00000044229.10,Nxpe4,protein_coding	0.12859	0.644918
ENSMUSG00000060149.10,BC002059,lncRNA	0.12858	0.687431
ENSMUSG00000025791.19,Pgm1,protein_coding	0.12851	0.541387
ENSMUSG00000144193.1,ENSMUSG00000144193,lncRNA	0.12846	0.765334
ENSMUSG00000021782.15,Dlg5,protein_coding	0.12845	0.543033
ENSMUSG00000057411.10,Antkmt,protein_coding	0.12844	0.571255
ENSMUSG00000028182.15,Lrriq3,protein_coding	0.12842	0.833152
ENSMUSG00000056900.14,Usp13,protein_coding	0.12837	0.599266
ENSMUSG00000014551.9,Mrps25,protein_coding	0.12831	0.512916
ENSMUSG00000042275.10,Pelo,protein_coding	0.12822	0.683218
ENSMUSG00000136791.1,ENSMUSG00000136791,lncRNA	0.12822	0.850357
ENSMUSG00000020308.8,Tpgs1,protein_coding	0.12818	0.688338
ENSMUSG00000120273.2,1700018P22Rik,lncRNA	0.12815	0.802504

ENSMUSG00000021140.10,Pcnx1,protein_coding	0.1281	0.410943
ENSMUSG00000001380.8,Hars1,protein_coding	0.12808	0.559491
ENSMUSG00000130913.1,ENSMUSG00000130913,lncRNA	0.12808	0.786126
ENSMUSG00000003934.6,Efnb3,protein_coding	0.12801	0.63286
ENSMUSG00000033909.18,Usp36,protein_coding	0.12797	0.375198
ENSMUSG00000029120.11,Ppp2r2c,protein_coding	0.12792	0.615763
ENSMUSG00000027108.16,Ola1,protein_coding	0.12787	0.490353
ENSMUSG00000048503.8,Tlcd5,protein_coding	0.12778	0.567937
ENSMUSG00000031207.17,Msn,protein_coding	0.12777	0.861122
ENSMUSG00000028703.15,Lrrc41,protein_coding	0.12776	0.567794
ENSMUSG00000029735.18,Tpk1,protein_coding	0.12772	0.699568
ENSMUSG00000028081.7,Rps3a1,protein_coding	0.12756	0.747068
ENSMUSG00000037679.10,Inf2,protein_coding	0.12756	0.768936
ENSMUSG00000032633.13,Flcn,protein_coding	0.12753	0.421436
ENSMUSG00000033047.6,Eif3l,protein_coding	0.12752	0.655316
ENSMUSG00000049800.14,Sertad2,protein_coding	0.12747	0.467506
ENSMUSG00000005716.17,Pvalb,protein_coding	0.12743	0.779697
ENSMUSG00000104154.2,Gm38104,TEC	0.1274	0.765504
ENSMUSG00000055078.8,Gabra5,protein_coding	0.12726	0.7503
ENSMUSG00000020375.10,Rufy1,protein_coding	0.12725	0.442348
ENSMUSG00000074664.5,A830092H15Rik,lncRNA	0.12714	0.825299
ENSMUSG00000050989.11,Selenon,protein_coding	0.12712	0.607885
ENSMUSG00000099843.4,Gm7160,lncRNA	0.12708	0.740586
ENSMUSG00000064367.1,mt-Nd5,protein_coding	0.127	0.737808
ENSMUSG00000036430.9,Tbcc,protein_coding	0.12696	0.754394
ENSMUSG00000103642.2,Gm37769,TEC	0.1269	0.758251
ENSMUSG00000037295.8,Ldlrap1,protein_coding	0.12688	0.750571
ENSMUSG00000042404.17,Dennd4b,protein_coding	0.12681	0.51347
ENSMUSG00000028398.9,Dmac1,protein_coding	0.1268	0.673454
ENSMUSG00000111325.2,Gm47140,lncRNA	0.12673	0.681442
ENSMUSG00000022620.15,Arsa,protein_coding	0.12668	0.587292
ENSMUSG00000039640.8,Mrpl12,protein_coding	0.12664	0.598073
ENSMUSG00000013160.8,Atp6v0d1,protein_coding	0.12661	0.633298
ENSMUSG00000040713.13,Creg1,protein_coding	0.1266	0.548851
ENSMUSG00000049985.16,Ankrd55,protein_coding	0.12656	0.703862
ENSMUSG00000030881.16,Arfip2,protein_coding	0.12653	0.47649
ENSMUSG00000031633.5,Slc25a4,protein_coding	0.12653	0.549949
ENSMUSG00000114709.3,Gm47920,lncRNA	0.12646	0.805661
ENSMUSG00000024666.7,Tmem138,protein_coding	0.12645	0.681728
ENSMUSG00000051599.5,Pcdhb2,protein_coding	0.12642	0.759515
ENSMUSG00000024926.11,Kat5,protein_coding	0.12636	0.519613
ENSMUSG00000014771.14,Pdcd2,protein_coding	0.12633	0.72415
ENSMUSG00000104214.2,Gm36638,TEC	0.12626	0.757867
ENSMUSG00000014329.15,Bicc1,protein_coding	0.12623	0.525809
ENSMUSG00000006675.11,P4htm,protein_coding	0.12623	0.648941
ENSMUSG00000014748.14,Tex261,protein_coding	0.12619	0.474611
ENSMUSG00000025037.7,Maoa,protein_coding	0.12618	0.516077
ENSMUSG00000045917.18,Tmem268,protein_coding	0.12617	0.628387
ENSMUSG00000038323.4,1700066M21Rik,protein_coding	0.12615	0.66635
ENSMUSG00000042541.11,Sem1,protein_coding	0.12612	0.58905
ENSMUSG00000024261.7,Syt4,protein_coding	0.1261	0.572159
ENSMUSG00000023106.16,Denr,protein_coding	0.12605	0.418678

ENSMUSG00000034863.10,Ano8,protein_coding	0.12605	0.59592
ENSMUSG00000036594.16,H2-Aa,protein_coding	0.12603	0.917806
ENSMUSG00000089617.3,Scarna10,snoRNA	0.126	0.599536
ENSMUSG00000037685.16,Atp8a1,protein_coding	0.12596	0.400453
ENSMUSG00000114907.2,Gm47794,lncRNA	0.12593	0.795401
ENSMUSG00000062054.8,Iah1,protein_coding	0.12588	0.692299
ENSMUSG00000025289.16,Prdx4,protein_coding	0.12586	0.754336
ENSMUSG00000049119.15,Fam110b,protein_coding	0.12581	0.566157
ENSMUSG00000040482.17,Dxo,protein_coding	0.12581	0.739292
ENSMUSG00000078517.14,Emc1,protein_coding	0.1258	0.470501
ENSMUSG00000037989.17,Wnk2,protein_coding	0.12576	0.590506
ENSMUSG00000032898.10,Fbxo21,protein_coding	0.12566	0.581416
ENSMUSG00000021178.10,Psmc1,protein_coding	0.12565	0.549854
ENSMUSG00000109618.2,Gm45527,TEC	0.1256	0.894758
ENSMUSG00000028445.8,Enho,protein_coding	0.12556	0.740011
ENSMUSG00000113195.2,Gm48586,TEC	0.12549	0.801601
ENSMUSG00000022175.10,Lrp10,protein_coding	0.12548	0.735062
ENSMUSG00000039041.16,Adrm1,protein_coding	0.12546	0.55767
ENSMUSG00000042766.18,Trim46,protein_coding	0.12543	0.734408
ENSMUSG00000029623.15,Pdap1,protein_coding	0.12541	0.427512
ENSMUSG00000056091.13,St3gal5,protein_coding	0.12539	0.643025
ENSMUSG00000026478.15,Lamc1,protein_coding	0.12539	0.388235
ENSMUSG00000018819.11,Lsp1,protein_coding	0.12534	0.906917
ENSMUSG00000038206.14,Fbxo8,protein_coding	0.12531	0.646543
ENSMUSG00000040420.16,Cdh18,protein_coding	0.12527	0.678942
ENSMUSG00000065226.3,Gm25791,snoRNA	0.12525	0.844084
ENSMUSG00000056735.8,A930024E05Rik,lncRNA	0.12518	0.78273
ENSMUSG00000007777.10,Trappc2b,protein_coding	0.12506	0.731214
ENSMUSG00000021481.12,Zfp346,protein_coding	0.12505	0.387043
ENSMUSG00000027828.13,Ssr3,protein_coding	0.12504	0.436881
ENSMUSG00000050555.10,Hyls1,protein_coding	0.125	0.658015
ENSMUSG00000032840.8,Spring1,protein_coding	0.12498	0.423189
ENSMUSG00000031730.19,Dhodh,protein_coding	0.12496	0.535079
ENSMUSG00000027502.12,Rtf2,protein_coding	0.12492	0.516539
ENSMUSG00000071652.9,Ints5,protein_coding	0.12492	0.532162
ENSMUSG00000105358.2,Gm43099,TEC	0.12487	0.677323
ENSMUSG00000033308.17,Dpyd,protein_coding	0.12485	0.608671
ENSMUSG00000048307.9,Ankrd46,protein_coding	0.12485	0.466405
ENSMUSG00000050323.15,Ndufaf6,protein_coding	0.12484	0.680479
ENSMUSG00000032249.15,Anp32a,protein_coding	0.12483	0.411219
ENSMUSG00000022558.17,Mroh1,protein_coding	0.12481	0.512361
ENSMUSG00000017802.15,Retreg3,protein_coding	0.12479	0.280278
ENSMUSG00000130708.1,ENSMUSG00000130708,lncRNA	0.12475	0.861541
ENSMUSG00000034674.19,Tdg,protein_coding	0.12471	0.563074
ENSMUSG00000025650.14,Col7a1,protein_coding	0.12464	0.740713
ENSMUSG00000032796.9,Lama1,protein_coding	0.12459	0.686841
ENSMUSG00000022773.20,Ypel1,protein_coding	0.12454	0.759453
ENSMUSG00000105574.2,Gm43648,TEC	0.12452	0.771899
ENSMUSG00000010110.18,Stx5a,protein_coding	0.12449	0.448719
ENSMUSG00000030579.11,Tyrobp,protein_coding	0.12447	0.859777
ENSMUSG00000112642.2,Gm17849,processed_pseudogene	0.12441	0.829397
ENSMUSG00000032657.16,Entrep3,protein_coding	0.12438	0.669247

ENSMUSG00000046312.5,Myorg,protein_coding	0.12434	0.479114
ENSMUSG00000089542.3,Gm25835,snoRNA	0.12434	0.762374
ENSMUSG00000052364.5,B630019K06Rik,protein_coding	0.12431	0.641517
ENSMUSG00000020689.5,Itgb3,protein_coding	0.12426	0.894159
ENSMUSG00000062309.9,Rpp25,protein_coding	0.12425	0.795381
ENSMUSG00000029101.17,Rgs12,protein_coding	0.12419	0.616114
ENSMUSG00000020903.14,Stx8,protein_coding	0.12417	0.458648
ENSMUSG00000031446.15,Cul4a,protein_coding	0.12414	0.363007
ENSMUSG00000024429.10,Gnl1,protein_coding	0.12414	0.630526
ENSMUSG00000031565.20,Fgfr1,protein_coding	0.12409	0.593066
ENSMUSG00000001482.16,Def8,protein_coding	0.12408	0.564779
ENSMUSG00000015224.11,Cyp2j9,protein_coding	0.12407	0.573902
ENSMUSG00000102481.2,Gm37925,TEC	0.12406	0.63603
ENSMUSG00000002210.12,Smg9,protein_coding	0.12405	0.593359
ENSMUSG00000078941.10,Ak6,protein_coding	0.12399	0.635682
ENSMUSG00000021182.17,Ccdc88c,protein_coding	0.12398	0.572977
ENSMUSG00000050737.14,Ptges,protein_coding	0.12395	0.70667
ENSMUSG00000055493.5,Epm2a,protein_coding	0.12389	0.5855
ENSMUSG00000031143.5,Ccdc22,protein_coding	0.12386	0.688573
ENSMUSG00000025006.19,Sorbs1,protein_coding	0.12378	0.528644
ENSMUSG00000102070.2,Gm28661,unprocessed_pseudogene	0.12365	0.77717
ENSMUSG00000027428.10,Rbbp9,protein_coding	0.12362	0.572806
ENSMUSG00000003848.15,Nob1,protein_coding	0.12361	0.548458
ENSMUSG00000031388.15,Naa10,protein_coding	0.12353	0.56897
ENSMUSG00000019988.8,Nedd1,protein_coding	0.12351	0.833903
ENSMUSG00000058569.9,Tmed9,protein_coding	0.12347	0.419574
ENSMUSG00000021113.6,Snapc1,protein_coding	0.12346	0.439574
ENSMUSG00000001525.11,Tubb5,protein_coding	0.12346	0.686422
ENSMUSG00000046675.8,Lyset,protein_coding	0.12342	0.714703
ENSMUSG00000051154.13,Commd3,protein_coding	0.12339	0.552186
ENSMUSG00000103677.2,Pcdhga4,protein_coding	0.12336	0.597373
ENSMUSG00000001755.13,Coasy,protein_coding	0.12336	0.704397
ENSMUSG00000036442.9,Thap11,protein_coding	0.1233	0.504944
ENSMUSG00000107655.2,Gm44220,TEC	0.12319	0.764236
ENSMUSG00000020792.16,Exoc7,protein_coding	0.12318	0.605377
ENSMUSG00000107742.2,9530085L11Rik,TEC	0.12318	0.670729
ENSMUSG00000050967.6,Creg2,protein_coding	0.12312	0.639054
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ENSMUSG00000058444.9,Map2k5,protein_coding	0.12311	0.489168
ENSMUSG00000031148.15,Gpkow,protein_coding	0.12311	0.455805
ENSMUSG00000068748.8,Ptprz1,protein_coding	0.12311	0.454467
ENSMUSG00000064225.7,Paqr9,protein_coding	0.12309	0.585704
ENSMUSG00000010609.16,Psen2,protein_coding	0.12299	0.679388
ENSMUSG00000011306.8,Sugp1,protein_coding	0.12298	0.384999
ENSMUSG00000036820.13,Amdhd2,protein_coding	0.12287	0.607947
ENSMUSG00000046671.19,Mtfr1l,protein_coding	0.12286	0.413165
ENSMUSG00000041161.9,Otud3,protein_coding	0.12279	0.629861
ENSMUSG00000040188.11,Scamp2,protein_coding	0.12278	0.736525
ENSMUSG00000116226.2,Gm49502,TEC	0.12272	0.699726
ENSMUSG00000057554.14,Lgals8,protein_coding	0.12271	0.475235
ENSMUSG00000108494.2,Gm45203,TEC	0.1227	0.716461
ENSMUSG00000106818.2,Gm43790,TEC	0.12267	0.744233

ENSMUSG00000031816.16,Mthfsd,protein_coding	0.12264	0.519515
ENSMUSG00000042686.6,Jph1,protein_coding	0.12261	0.649125
ENSMUSG00000021951.8,Eef1akmt1,protein_coding	0.12258	0.721154
ENSMUSG00000091985.2,Gm17354,lncRNA	0.12257	0.635416
ENSMUSG00000042109.9,Csdc2,protein_coding	0.12256	0.650111
ENSMUSG00000024197.11,Plin3,protein_coding	0.12255	0.718886
ENSMUSG00000030591.18,Psmd8,protein_coding	0.12252	0.556555
ENSMUSG00000024104.12,Washc2,protein_coding	0.12246	0.631247
ENSMUSG00000018585.10,Atox1,protein_coding	0.12241	0.720374
ENSMUSG00000075569.11,Rsph10b,protein_coding	0.12238	0.765797
ENSMUSG00000026727.11,Rsu1,protein_coding	0.12225	0.541655
ENSMUSG00000058900.7,Rsl1,protein_coding	0.12224	0.814404
ENSMUSG00000026728.10,Vim,protein_coding	0.12216	0.851056
ENSMUSG00000029436.10,Mmp17,protein_coding	0.1221	0.749197
ENSMUSG00000071074.10,Yipf3,protein_coding	0.12203	0.600479
ENSMUSG00000019054.14,Fis1,protein_coding	0.122	0.63877
ENSMUSG00000074622.5,Mafb,protein_coding	0.12197	0.676877
ENSMUSG00000102397.2,Gm37573,lncRNA	0.12195	0.724356
ENSMUSG00000054428.13,Atp5if1,protein_coding	0.12193	0.619646
ENSMUSG00000018334.19,Ksr1,protein_coding	0.12192	0.652575
ENSMUSG00000059669.9,Taf1b,protein_coding	0.1219	0.537096
ENSMUSG00000024782.8,Ak3,protein_coding	0.12186	0.386285
ENSMUSG00000031622.17,Sin3b,protein_coding	0.12184	0.510829
ENSMUSG00000097725.6,4930593A02Rik,lncRNA	0.12183	0.786836
ENSMUSG00000028341.10,Nr4a3,protein_coding	0.12181	0.786799
ENSMUSG00000032942.15,Ucp3,protein_coding	0.1218	0.735237
ENSMUSG00000109927.2,Gm45264,TEC	0.12174	0.742903
ENSMUSG00000116305.4,Lncppara,lncRNA	0.12173	0.641876
ENSMUSG00000120471.2,Gm57224,lncRNA	0.12172	0.882438
ENSMUSG00000026207.17,Speg,protein_coding	0.12171	0.657564
ENSMUSG00000069495.13,Epc2,protein_coding	0.12165	0.467602
ENSMUSG00000042210.19,Abhd14a,protein_coding	0.1216	0.686026
ENSMUSG00000028423.16,Nfx1,protein_coding	0.12149	0.286774
ENSMUSG00000105350.4,4930537H20Rik,lncRNA	0.12148	0.848609
ENSMUSG00000092746.5,Rn7s6,misc_RNA	0.12143	0.824356
ENSMUSG00000004319.16,Clcn3,protein_coding	0.12142	0.41618
ENSMUSG00000002580.8,Mien1,protein_coding	0.12141	0.653124
ENSMUSG00000035578.17,Iqcg,protein_coding	0.12136	0.781003
ENSMUSG00000132055.1,ENSMUSG00000132055,lncRNA	0.12129	0.903407
ENSMUSG00000026189.14,Pecr,protein_coding	0.12128	0.760246
ENSMUSG00000001227.13,Sema6b,protein_coding	0.12124	0.675992
ENSMUSG00000123638.1,ENSMUSG00000123638,lncRNA	0.1212	0.8004
ENSMUSG00000044787.8,Spata32,protein_coding	0.12109	0.887218
ENSMUSG00000038607.13,Gng10,protein_coding	0.12107	0.590352
ENSMUSG00000026787.4,Gad2,protein_coding	0.12105	0.580151
ENSMUSG00000119988.2,5430427G11Rik,lncRNA	0.12104	0.687444
ENSMUSG00000029148.16,Nrbp1,protein_coding	0.12096	0.50936
ENSMUSG00000029554.16,Mad1l1,protein_coding	0.12084	0.692682
ENSMUSG00000024246.10,Thumpd2,protein_coding	0.12079	0.713641
ENSMUSG00000117102.2,Gm55377,TEC	0.12076	0.775102
ENSMUSG00000028076.13,Cd1d1,protein_coding	0.12075	0.8817
ENSMUSG00000047022.19,Mipol1,protein_coding	0.12071	0.537067

ENSMUSG00000086228.4,Ubap1l,protein_coding	0.12066	0.747024
ENSMUSG00000041733.11,Coq5,protein_coding	0.12061	0.459108
ENSMUSG00000032215.16,Rsl24d1,protein_coding	0.12055	0.579465
ENSMUSG00000040820.17,Hlcs,protein_coding	0.12053	0.587493
ENSMUSG00000035674.14,Ndufa3,protein_coding	0.12049	0.709063
ENSMUSG00000102573.2,Gm7265,TEC	0.12044	0.739038
ENSMUSG00000037351.10,Actr1b,protein_coding	0.12042	0.609247
ENSMUSG00000097994.2,Gm26982,lncRNA	0.1204	0.61891
ENSMUSG00000025873.17,Faf2,protein_coding	0.1204	0.434943
ENSMUSG00000039686.15,Zer1,protein_coding	0.12031	0.505931
ENSMUSG00000020260.10,Pofut2,protein_coding	0.12029	0.542474
ENSMUSG00000028551.15,Cdkn2c,protein_coding	0.12024	0.901283
ENSMUSG00000029661.17,Col1a2,protein_coding	0.12023	0.674074
ENSMUSG00000024892.18,Pcx,protein_coding	0.12021	0.620974
ENSMUSG00000024064.15,Galnt14,protein_coding	0.12018	0.719645
ENSMUSG00000061524.9,Zic2,protein_coding	0.12018	0.83514
ENSMUSG00000055067.16,Smyd3,protein_coding	0.12018	0.450132
ENSMUSG00000008475.14,Arpc5,protein_coding	0.12006	0.547007
ENSMUSG00000029414.12,Kntc1,protein_coding	0.12005	0.926391
ENSMUSG00000000168.11,Dlat,protein_coding	0.12001	0.432967
ENSMUSG00000028582.15,Cc2d1b,protein_coding	0.11996	0.62899
ENSMUSG00000033379.14,Atp6v0b,protein_coding	0.11994	0.601897
ENSMUSG00000029622.17,Arpc1b,protein_coding	0.11994	0.890084
ENSMUSG00000020823.17,Sec14l1,protein_coding	0.11992	0.590835
ENSMUSG00000000308.15,Ckmt1,protein_coding	0.11986	0.693701
ENSMUSG00000030276.20,Ttll3,protein_coding	0.11985	0.618858
ENSMUSG00000027952.17,Pmvk,protein_coding	0.11979	0.638033
ENSMUSG00000142703.1,ENSMUSG00000142703,lncRNA	0.11975	0.682407
ENSMUSG00000073197.10,5730507C01Rik,protein_coding	0.11974	0.851961
ENSMUSG00000084843.3,B230312C02Rik,lncRNA	0.11969	0.879324
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ENSMUSG00000020287.16,Mpg,protein_coding	0.11968	0.614727
ENSMUSG00000042203.9,Tbc1d22b,protein_coding	0.11963	0.467806
ENSMUSG00000024914.17,Drap1,protein_coding	0.11961	0.600033
ENSMUSG00000057322.13,Rpl38,protein_coding	0.11959	0.748695
ENSMUSG00000029765.13,Plxna4,protein_coding	0.11954	0.613546
ENSMUSG00000004952.14,Rasa4,protein_coding	0.11951	0.787428
ENSMUSG00000028830.15,AU040320,protein_coding	0.11949	0.532087
ENSMUSG00000022450.7,Ndufa6,protein_coding	0.11947	0.5701
ENSMUSG00000022536.15,Glyr1,protein_coding	0.11938	0.346474
ENSMUSG00000038780.15,Smurf1,protein_coding	0.11937	0.619352
ENSMUSG00000106022.2,Gm42929,TEC	0.11934	0.751833
ENSMUSG00000032181.8,Scg3,protein_coding	0.11933	0.517467
ENSMUSG00000041775.8,Mapk1ip1,protein_coding	0.11927	0.581274
ENSMUSG00000030122.14,Ptms,protein_coding	0.11925	0.670804
ENSMUSG00000013921.16,Clip3,protein_coding	0.11925	0.53403
ENSMUSG00000048707.10,Tprn,protein_coding	0.11922	0.737771
ENSMUSG00000037280.13,Galnt6,protein_coding	0.11922	0.6823
ENSMUSG00000024268.17,Celf4,protein_coding	0.11915	0.566267
ENSMUSG00000044986.11,Tst,protein_coding	0.11915	0.733217
ENSMUSG00000019659.9,Ccdc12,protein_coding	0.11915	0.645657
ENSMUSG00000030647.9,Ndufc2,protein_coding	0.11912	0.697698

ENSMUSG00000004996.10,Mri1,protein_coding	0.1191	0.598508
ENSMUSG00000022454.18,Nell2,protein_coding	0.11908	0.715255
ENSMUSG00000052026.9,Slc6a7,protein_coding	0.11906	0.755426
ENSMUSG00000052040.11,Klf13,protein_coding	0.11902	0.472633
ENSMUSG00000003161.16,Sri,protein_coding	0.11901	0.567804
ENSMUSG00000051579.11,Tceal8,protein_coding	0.11901	0.553074
ENSMUSG00000049313.9,Sorl1,protein_coding	0.11899	0.61184
ENSMUSG00000103540.2,Gm37668,TEC	0.11895	0.843827
ENSMUSG00000022204.10,Ngdn,protein_coding	0.11891	0.649249
ENSMUSG00000053841.16,Txlna,protein_coding	0.11888	0.530355
ENSMUSG00000028986.13,Klhl7,protein_coding	0.11887	0.526703
ENSMUSG00000042487.7,Leo1,protein_coding	0.11886	0.538736
ENSMUSG00000020620.15,Abca8b,protein_coding	0.11885	0.572459
ENSMUSG00000040722.8,Scamp5,protein_coding	0.11875	0.642201
ENSMUSG00000001911.17,Nfix,protein_coding	0.11874	0.574985
ENSMUSG00000057706.8,Mex3b,protein_coding	0.11869	0.673383
ENSMUSG00000026860.17,Sh3glb2,protein_coding	0.11868	0.629944
ENSMUSG00000032849.15,Abcc4,protein_coding	0.11867	0.65879
ENSMUSG00000030890.17,Ilk,protein_coding	0.11867	0.411204
ENSMUSG00000026173.17,Plcd4,protein_coding	0.11854	0.638677
ENSMUSG00000033863.3,Klf9,protein_coding	0.11845	0.632208
ENSMUSG00000034110.9,Kctd7,protein_coding	0.11837	0.577282
ENSMUSG00000024118.15,Tedc2,protein_coding	0.11836	0.737025
ENSMUSG00000054342.9,Kcnn4,protein_coding	0.11834	0.944536
ENSMUSG00000056493.10,Foxk1,protein_coding	0.11832	0.391504
ENSMUSG00000054008.10,Ndst1,protein_coding	0.11826	0.50956
ENSMUSG00000042680.9,Garem1,protein_coding	0.11826	0.619776
ENSMUSG00000015943.12,Bola1,protein_coding	0.11825	0.833754
ENSMUSG00000026817.15,Ak1,protein_coding	0.11821	0.631153
ENSMUSG00000022687.13,Boc,protein_coding	0.11819	0.74995
ENSMUSG00000029076.15,Sdf4,protein_coding	0.11814	0.445502
ENSMUSG00000055817.19,Mta3,protein_coding	0.1181	0.559016
ENSMUSG00000032872.17,Cyb5r4,protein_coding	0.11806	0.577995
ENSMUSG00000059409.10,Ppp2r5d,protein_coding	0.11802	0.58716
ENSMUSG00000108216.2,Gm44153,TEC	0.11799	0.713282
ENSMUSG00000022386.13,Trmu,protein_coding	0.11799	0.634291
ENSMUSG00000085956.4,4930481B07Rik,lncRNA	0.11799	0.830228
ENSMUSG00000073678.5,Pgap1,protein_coding	0.11798	0.547499
ENSMUSG00000027438.15,Napb,protein_coding	0.11797	0.591614
ENSMUSG00000102419.2,Gm36940,TEC	0.11796	0.784556
ENSMUSG00000022817.16,Itgb5,protein_coding	0.11793	0.518966
ENSMUSG00000041189.10,Chrnb1,protein_coding	0.11784	0.913597
ENSMUSG00000032356.13,Rasgrf1,protein_coding	0.11778	0.743565
ENSMUSG00000060681.16,Slc9a6,protein_coding	0.11776	0.553291
ENSMUSG00000068742.12,Cry2,protein_coding	0.11776	0.581518
ENSMUSG00000137898.1,ENSMUSG00000137898,lncRNA	0.11774	0.793372
ENSMUSG00000032330.8,Cox7a2,protein_coding	0.11773	0.662516
ENSMUSG00000035285.7,Nat14,protein_coding	0.11771	0.747531
ENSMUSG00000031820.10,Babam1,protein_coding	0.11769	0.641251
ENSMUSG00000116604.2,Gm49745,lncRNA	0.11769	0.818927
ENSMUSG00000046109.8,AB041806,lncRNA	0.11767	0.83793
ENSMUSG00000036270.17,Edc4,protein_coding	0.11764	0.493104

ENSMUSG00000035431.6,Sstr1,protein_coding	0.11763	0.796912
ENSMUSG00000040133.3,Gpr176,protein_coding	0.11754	0.629617
ENSMUSG00000034194.19,R3hcc1,protein_coding	0.11754	0.647907
ENSMUSG00000072875.3,Gpr27,protein_coding	0.11752	0.732821
ENSMUSG00000019494.15,Cops6,protein_coding	0.11749	0.560358
ENSMUSG00000009640.12,Dmap1,protein_coding	0.11746	0.659675
ENSMUSG00000128142.1,ENSMUSG00000128142,lncRNA	0.11743	0.839556
ENSMUSG00000024234.8,Mtpap,protein_coding	0.11741	0.526587
ENSMUSG00000032594.12,Ip6k1,protein_coding	0.1174	0.475675
ENSMUSG00000007655.17,Cav1,protein_coding	0.11737	0.557966
ENSMUSG00000039983.14,Ccdc32,protein_coding	0.11729	0.645583
ENSMUSG00000005410.7,Mcm5,protein_coding	0.11725	0.903456
ENSMUSG00000035914.12,Cd276,protein_coding	0.11725	0.709664
ENSMUSG00000070527.4,Mkrn3,protein_coding	0.11724	0.816335
ENSMUSG00000035847.16,Ids,protein_coding	0.11724	0.638072
ENSMUSG00000028645.12,Slc2a1,protein_coding	0.11719	0.669375
ENSMUSG00000019817.19,Plagl1,protein_coding	0.11718	0.741474
ENSMUSG00000045174.11,Amer3,protein_coding	0.11711	0.622905
ENSMUSG00000025584.18,Pde8a,protein_coding	0.11706	0.652848
ENSMUSG00000021264.13,Yy1,protein_coding	0.11704	0.468367
ENSMUSG00000047084.9,Ngrn,protein_coding	0.11704	0.54975
ENSMUSG00000047649.10,Polr1g,protein_coding	0.11697	0.549103
ENSMUSG00000130860.1,ENSMUSG00000130860,lncRNA	0.11696	0.766316
ENSMUSG00000020515.14,Cnot8,protein_coding	0.11689	0.562752
ENSMUSG00000034066.14,Farp2,protein_coding	0.11678	0.526535
ENSMUSG00000064340.1,mt-Tl1,Mt_tRNA	0.11677	0.84573
ENSMUSG00000034175.14,Rhbdd3,protein_coding	0.11677	0.748376
ENSMUSG00000037712.18,Fermt2,protein_coding	0.11672	0.521507
ENSMUSG00000025010.15,Ccnj,protein_coding	0.11672	0.59832
ENSMUSG00000022516.11,Nudt16l1,protein_coding	0.11668	0.544555
ENSMUSG00000000682.8,Cd52,protein_coding	0.11659	0.924378
ENSMUSG00000026109.15,Tmeff2,protein_coding	0.11654	0.550757
ENSMUSG00000000581.9,C1d,protein_coding	0.1165	0.568081
ENSMUSG00000020000.8,Moxd1,protein_coding	0.1164	0.800299
ENSMUSG00000023007.16,Prpf40b,protein_coding	0.11639	0.613079
ENSMUSG00000071662.5,Polr2g,protein_coding	0.11637	0.661126
ENSMUSG00000061032.10,Rrp1,protein_coding	0.11631	0.486757
ENSMUSG00000022802.3,Lmln,protein_coding	0.11629	0.565557
ENSMUSG00000028849.18,Map7d1,protein_coding	0.11628	0.581068
ENSMUSG00000057788.14,Ddx49,protein_coding	0.11623	0.642131
ENSMUSG00000032673.6,Prorsd1,protein_coding	0.11622	0.839218
ENSMUSG00000031953.3,Tmem170,protein_coding	0.11619	0.707269
ENSMUSG00000045314.6,Sowahb,protein_coding	0.11619	0.716582
ENSMUSG00000097180.8,2700038G22Rik,lncRNA	0.11618	0.828768
ENSMUSG00000015932.9,Dstn,protein_coding	0.11618	0.577311
ENSMUSG00000002014.13,Ssr4,protein_coding	0.11616	0.61748
ENSMUSG00000023104.10,Rfc2,protein_coding	0.11613	0.676553
ENSMUSG00000134509.1,ENSMUSG00000134509,lncRNA	0.11612	0.829517
ENSMUSG00000029309.8,Sparcl1,protein_coding	0.11606	0.548091
ENSMUSG00000024792.10,Zfpl1,protein_coding	0.11604	0.66958
ENSMUSG00000026223.16,Itm2c,protein_coding	0.11604	0.696082
ENSMUSG00000005881.14,Ergic3,protein_coding	0.11602	0.67848

ENSMUSG00000024978.12,Gpam,protein_coding	0.11597	0.354996
ENSMUSG00000103831.2,Gm37608,TEC	0.11591	0.752068
ENSMUSG00000062353.7,Gm15772,processed_pseudogene	0.11589	0.768485
ENSMUSG00000046034.9,Otulin,protein_coding	0.11586	0.718354
ENSMUSG00000006651.9,Aplp1,protein_coding	0.11586	0.69374
ENSMUSG00000010045.3,Tmem115,protein_coding	0.11583	0.635624
ENSMUSG00000024404.8,Riok3,protein_coding	0.11575	0.414106
ENSMUSG00000006638.17,Abhd1,protein_coding	0.11575	0.758572
ENSMUSG00000020917.18,Acly,protein_coding	0.11571	0.623403
ENSMUSG00000102692.2,Dchs2,protein_coding	0.11571	0.796874
ENSMUSG00000032118.17,Fez1,protein_coding	0.11568	0.538044
ENSMUSG00000105929.2,Gm43693,TEC	0.11567	0.711101
ENSMUSG00000027227.8,Sord,protein_coding	0.11555	0.643134
ENSMUSG00000144159.1,ENSMUSG00000144159,lncRNA	0.11553	0.851504
ENSMUSG00000023092.17,Fhl1,protein_coding	0.11549	0.45939
ENSMUSG00000030589.17,Rasgrp4,protein_coding	0.11547	0.815307
ENSMUSG00000000171.6,Sdhd,protein_coding	0.11546	0.535825
ENSMUSG00000090394.9,4930523C07Rik,protein_coding	0.11533	0.83805
ENSMUSG00000106153.2,Gm43677,TEC	0.1153	0.775484
ENSMUSG00000024393.15,Prrc2a,protein_coding	0.11526	0.564813
ENSMUSG00000051729.14,Gm5087,lncRNA	0.11517	0.871271
ENSMUSG00000033595.8,Lgi3,protein_coding	0.11516	0.598413
ENSMUSG00000015357.11,Clpx,protein_coding	0.11516	0.523062
ENSMUSG00000035840.8,Lysmd3,protein_coding	0.11516	0.707476
ENSMUSG00000022477.14,Aco2,protein_coding	0.11511	0.606352
ENSMUSG00000019979.13,Apaf1,protein_coding	0.1151	0.545075
ENSMUSG00000049401.11,Ogfr,protein_coding	0.11509	0.648324
ENSMUSG00000052139.19,Babam2,protein_coding	0.11508	0.64427
ENSMUSG00000099764.2,Rps10-ps2,processed_pseudogene	0.11502	0.934885
ENSMUSG00000040209.13,Zfp704,protein_coding	0.115	0.572672
ENSMUSG00000001260.11,Gabrg1,protein_coding	0.11497	0.632416
ENSMUSG00000118669.2,Arvcf,protein_coding	0.11496	0.673094
ENSMUSG00000068267.6,Cenpb,protein_coding	0.11486	0.391256
ENSMUSG00000036478.9,Btg1,protein_coding	0.11485	0.811118
ENSMUSG00000026317.8,Cln8,protein_coding	0.11482	0.512726
ENSMUSG00000030643.15,Rab30,protein_coding	0.11477	0.61554
ENSMUSG00000122495.1,ENSMUSG00000122495,lncRNA	0.11476	0.808931
ENSMUSG00000036561.10,Ppp6r2,protein_coding	0.11476	0.532922
ENSMUSG00000085112.4,A530072M11Rik,lncRNA	0.11473	0.791904
ENSMUSG00000030051.11,Aplf,protein_coding	0.11472	0.638415
ENSMUSG00000027162.8,Lin7c,protein_coding	0.11469	0.610649
ENSMUSG00000127413.1,ENSMUSG00000127413,lncRNA	0.11468	0.876536
ENSMUSG00000048920.9,Fkrp,protein_coding	0.11467	0.560981
ENSMUSG00000031760.10,Mt3,protein_coding	0.1146	0.736798
ENSMUSG00000049755.15,Zfp672,protein_coding	0.11457	0.515304
ENSMUSG00000093752.2,Gm20716,protein_coding	0.11456	0.737437
ENSMUSG00000020946.14,Gosr2,protein_coding	0.11451	0.392126
ENSMUSG00000105347.2,Gm43503,TEC	0.11449	0.781196
ENSMUSG00000020143.16,Dock2,protein_coding	0.11449	0.932783
ENSMUSG00000045252.12,Zfp574,protein_coding	0.11447	0.573719
ENSMUSG00000117679.2,Apbb3,protein_coding	0.11434	0.520982
ENSMUSG00000024646.15,Cyb5a,protein_coding	0.11434	0.475678

ENSMUSG00000027845.16,Dclre1b,protein_coding	0.11432	0.72754
ENSMUSG00000068874.14,Selenbp1,protein_coding	0.11428	0.759585
ENSMUSG00000034708.13,Grn,protein_coding	0.11422	0.786738
ENSMUSG00000035863.15,Palm,protein_coding	0.11419	0.689974
ENSMUSG00000003813.16,Rad23a,protein_coding	0.11403	0.555007
ENSMUSG00000060992.10,Copz1,protein_coding	0.11392	0.564894
ENSMUSG00000044708.6,Kcnj10,protein_coding	0.11387	0.577151
ENSMUSG00000037791.16,Phf12,protein_coding	0.11386	0.475997
ENSMUSG00000014313.16,Cox6c,protein_coding	0.11385	0.577381
ENSMUSG00000033029.13,1700088E04Rik,protein_coding	0.11384	0.770108
ENSMUSG00000114456.2,H2bc9,protein_coding	0.11384	0.926881
ENSMUSG00000027479.15,Mapre1,protein_coding	0.11382	0.431905
ENSMUSG00000046546.4,Fam43a,protein_coding	0.11381	0.66173
ENSMUSG00000041957.16,Pkp2,protein_coding	0.11381	0.749825
ENSMUSG00000026848.15,Tor1b,protein_coding	0.11362	0.467928
ENSMUSG00000021577.15,Sdha,protein_coding	0.11361	0.561107
ENSMUSG00000114448.2,C630044B11Rik,TEC	0.11351	0.7021
ENSMUSG00000054027.9,Nt5dc3,protein_coding	0.11346	0.604703
ENSMUSG00000048758.15,Rpl29,protein_coding	0.11337	0.73808
ENSMUSG00000062510.13,Nsl1,protein_coding	0.11336	0.917737
ENSMUSG00000032243.9,Itga11,protein_coding	0.11332	0.810774
ENSMUSG00000120496.2,Gm56762,lncRNA	0.11331	0.83285
ENSMUSG00000028601.19,Echdc2,protein_coding	0.11331	0.754941
ENSMUSG00000075316.14,Scn9a,protein_coding	0.11328	0.829171
ENSMUSG00000016349.11,Eef1a2,protein_coding	0.11324	0.661801
ENSMUSG00000051224.14,Tceanc,protein_coding	0.11324	0.841011
ENSMUSG00000040697.11,Dnajc16,protein_coding	0.11316	0.587699
ENSMUSG00000033585.6,Ndn,protein_coding	0.11313	0.694976
ENSMUSG00000024030.8,Abcg1,protein_coding	0.11312	0.386421
ENSMUSG00000030519.15,Apba2,protein_coding	0.1131	0.642067
ENSMUSG00000107374.2,Gm43172,TEC	0.1131	0.860342
ENSMUSG00000027170.13,Eif3m,protein_coding	0.11309	0.673022
ENSMUSG00000025188.16,Hps1,protein_coding	0.11309	0.75122
ENSMUSG00000033510.15,Otud7a,protein_coding	0.11308	0.654764
ENSMUSG00000140205.1,ENSMUSG00000140205,lncRNA	0.11307	0.880179
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ENSMUSG00000028042.16,Zbtb7b,protein_coding	0.11298	0.718889
ENSMUSG00000041560.13,Nop53,protein_coding	0.11294	0.685608
ENSMUSG00000027520.17,Zdbf2,protein_coding	0.11294	0.738676
ENSMUSG00000025231.18,Sufu,protein_coding	0.11292	0.497796
ENSMUSG00000024855.11,Pacs1,protein_coding	0.11292	0.698315
ENSMUSG00000035171.10,1110059E24Rik,protein_coding	0.11291	0.719098
ENSMUSG00000026564.10,Styxl2,protein_coding	0.1129	0.861599
ENSMUSG00000026196.8,Bard1,protein_coding	0.11284	0.918444
ENSMUSG00000000560.10,Gabra2,protein_coding	0.11277	0.75309
ENSMUSG00000102222.2,Pcdhga10,protein_coding	0.11273	0.681937
ENSMUSG00000036537.7,Rnf113a1,protein_coding	0.11264	0.783078
ENSMUSG00000025466.20,Fuom,protein_coding	0.11263	0.727841
ENSMUSG00000026275.14,Ppp1r7,protein_coding	0.11258	0.500946
ENSMUSG00000143077.1,ENSMUSG00000143077,lncRNA	0.1125	0.859764
ENSMUSG00000070880.11,Gad1,protein_coding	0.11246	0.629346
ENSMUSG00000037260.9,Hgsnat,protein_coding	0.11245	0.581047

ENSMUSG00000094622.4,Gm3055,protein_coding	0.11243	0.837345
ENSMUSG00000037315.16,Jade3,protein_coding	0.11242	0.618255
ENSMUSG00000019124.11,Scrn1,protein_coding	0.11239	0.597455
ENSMUSG00000043673.12,Kcns3,protein_coding	0.11239	0.746472
ENSMUSG00000096696.2,Zfp960,protein_coding	0.11237	0.812388
ENSMUSG00000102916.2,Gm37725,TEC	0.11237	0.877435
ENSMUSG00000037465.11,Klf10,protein_coding	0.11231	0.719415
ENSMUSG00000018481.10,Appbp2,protein_coding	0.1123	0.387711
ENSMUSG00000026511.8,Srp9,protein_coding	0.11229	0.645986
ENSMUSG00000036461.17,Elf1,protein_coding	0.11226	0.89701
ENSMUSG00000060216.16,Arrb2,protein_coding	0.11222	0.657878
ENSMUSG00000057948.13,Unc13d,protein_coding	0.11218	0.864602
ENSMUSG00000071711.13,Mpst,protein_coding	0.11215	0.619942
ENSMUSG00000032419.9,Tbx18,protein_coding	0.11214	0.720522
ENSMUSG00000055720.11,Ubl7,protein_coding	0.11213	0.636077
ENSMUSG00000036764.13,Dnajc12,protein_coding	0.11197	0.688986
ENSMUSG00000118234.2,Gm50115,lncRNA	0.11193	0.855598
ENSMUSG00000047557.3,Lxn,protein_coding	0.11191	0.653644
ENSMUSG00000038880.14,Mrps34,protein_coding	0.11191	0.606276
ENSMUSG00000026365.16,Cfh,protein_coding	0.1119	0.783364
ENSMUSG00000041353.13,Vcf2,protein_coding	0.11189	0.51484
ENSMUSG00000072915.4,Gm12258,protein_coding	0.11185	0.569356
ENSMUSG00000041420.19,Meis3,protein_coding	0.11182	0.678128
ENSMUSG00000009681.11,Bcr,protein_coding	0.11177	0.683179
ENSMUSG00000102665.2,Gm38379,TEC	0.11163	0.823122
ENSMUSG00000006958.15,Chrd,protein_coding	0.11161	0.712766
ENSMUSG00000024867.15,Pip5k1b,protein_coding	0.11152	0.70828
ENSMUSG00000028882.14,Ppp1r8,protein_coding	0.11145	0.560628
ENSMUSG00000028859.15,Csf3r,protein_coding	0.11144	0.825478
ENSMUSG00000041491.9,Cep78,protein_coding	0.1114	0.604145
ENSMUSG00000047003.16,Zfp41,protein_coding	0.11138	0.556407
ENSMUSG00000027966.21,Col11a1,protein_coding	0.11137	0.739308
ENSMUSG00000044022.6,Pcdhb21,protein_coding	0.11136	0.677755
ENSMUSG00000021243.15,Fcf1,protein_coding	0.11136	0.761281
ENSMUSG00000058420.9,Syt17,protein_coding	0.11129	0.809337
ENSMUSG00000010307.8,Tmem86a,protein_coding	0.11129	0.768851
ENSMUSG00000022415.13,Syngr1,protein_coding	0.11126	0.688443
ENSMUSG00000121779.1,ENSMUSG00000121779,lncRNA	0.11119	0.709454
ENSMUSG00000040410.15,Fbxl4,protein_coding	0.11114	0.597076
ENSMUSG00000037419.10,Endod1,protein_coding	0.11111	0.698409
ENSMUSG00000022178.12,Ajuba,protein_coding	0.1111	0.857989
ENSMUSG00000031517.9,Gpm6a,protein_coding	0.11105	0.704614
ENSMUSG00000024369.17,Nelfe,protein_coding	0.11105	0.688127
ENSMUSG00000032579.15,Hemk1,protein_coding	0.11098	0.577861
ENSMUSG00000030822.16,Prr14,protein_coding	0.11095	0.629871
ENSMUSG00000012017.5,Scarf2,protein_coding	0.1109	0.834656
ENSMUSG00000038690.16,Atp5mf,protein_coding	0.11085	0.677489
ENSMUSG00000040380.16,Cbln3,protein_coding	0.11084	0.925901
ENSMUSG00000010797.7,Wnt2,protein_coding	0.11072	0.822129
ENSMUSG00000121976.1,ENSMUSG00000121976,protein_coding	0.11071	0.77331
ENSMUSG00000029761.17,Cald1,protein_coding	0.11069	0.644235
ENSMUSG00000034255.19,Arhgap27,protein_coding	0.11066	0.712014

ENSMUSG00000073139.10,Tmem185a,protein_coding	0.11065	0.591574
ENSMUSG00000074178.4,Gm10638,lncRNA	0.11062	0.801566
ENSMUSG00000102352.2,Gm38346,TEC	0.11062	0.807435
ENSMUSG00000014232.15,Cluap1,protein_coding	0.11059	0.541754
ENSMUSG00000031465.7,Angpt2,protein_coding	0.11056	0.810634
ENSMUSG00000031835.17,Mbtps1,protein_coding	0.11053	0.403495
ENSMUSG00000033294.12,Noc4l,protein_coding	0.11051	0.717896
ENSMUSG00000020190.14,Mknk2,protein_coding	0.11049	0.774955
ENSMUSG00000040883.19,Tmem205,protein_coding	0.11045	0.720024
ENSMUSG00000006403.14,Adamts4,protein_coding	0.11042	0.637637
ENSMUSG00000060240.14,Cend1,protein_coding	0.11042	0.655456
ENSMUSG00000029335.6,Bmp3,protein_coding	0.11037	0.794617
ENSMUSG00000020267.7,Hint1,protein_coding	0.11036	0.630419
ENSMUSG00000059518.15,Znhit1,protein_coding	0.11035	0.739713
ENSMUSG00000030286.7,Emc3,protein_coding	0.11034	0.450543
ENSMUSG00000031976.15,Urb2,protein_coding	0.11032	0.653827
ENSMUSG00000091568.10,Gm8206,protein_coding	0.11029	0.897537
ENSMUSG00000077192.5,Snora17,snoRNA	0.11027	0.891512
ENSMUSG00000024414.14,Mrpl27,protein_coding	0.11025	0.718969
ENSMUSG00000115228.2,Gm48948,TEC	0.11024	0.850568
ENSMUSG00000025162.19,Csnk1d,protein_coding	0.11022	0.512605
ENSMUSG00000133927.1,ENSMUSG00000133927,lncRNA	0.11016	0.749495
ENSMUSG00000029913.15,Prdm5,protein_coding	0.11015	0.655684
ENSMUSG00000056698.12,Elmod3,protein_coding	0.11012	0.620651
ENSMUSG00000106472.2,Gm43111,lncRNA	0.11011	0.750437
ENSMUSG00000056458.17,Mok,protein_coding	0.11009	0.781616
ENSMUSG00000022964.15,Tmem50b,protein_coding	0.11006	0.555775
ENSMUSG00000037993.9,Dhx38,protein_coding	0.11003	0.560352
ENSMUSG00000029673.20,Auts2,protein_coding	0.10999	0.655637
ENSMUSG00000022788.17,Fgd4,protein_coding	0.10997	0.696425
ENSMUSG00000022515.7,Anks3,protein_coding	0.10988	0.571972
ENSMUSG00000090101.4,Snhg9,lncRNA	0.10986	0.912823
ENSMUSG00000067825.12,Pex26,protein_coding	0.1098	0.567546
ENSMUSG00000014361.6,Mertk,protein_coding	0.10978	0.5549
ENSMUSG00000127320.1,ENSMUSG00000127320,lncRNA	0.10975	0.900872
ENSMUSG00000031668.15,Eif2ak3,protein_coding	0.10972	0.517718
ENSMUSG00000037710.9,Cisd1,protein_coding	0.10972	0.64955
ENSMUSG00000075463.5,4930594M22Rik,lncRNA	0.10964	0.839489
ENSMUSG00000086313.2,Gm15940,lncRNA	0.10953	0.834853
ENSMUSG00000143161.1,ENSMUSG00000143161,lncRNA	0.10948	0.902072
ENSMUSG00000028636.15,Ppcs,protein_coding	0.10946	0.81999
ENSMUSG00000026589.15,Sec16b,protein_coding	0.10935	0.858294
ENSMUSG00000050855.17,Zfp940,protein_coding	0.10929	0.654316
ENSMUSG00000026556.17,Vangl2,protein_coding	0.10928	0.60013
ENSMUSG00000108812.2,C130083A15Rik,TEC	0.10926	0.68721
ENSMUSG00000032268.14,Tmprss5,protein_coding	0.10923	0.859069
ENSMUSG00000063382.7,Bcl9l,protein_coding	0.10922	0.600031
ENSMUSG00000142802.1,ENSMUSG00000142802,lncRNA	0.10915	0.760465
ENSMUSG00000025372.17,Baiap2,protein_coding	0.10914	0.740443
ENSMUSG00000121926.1,ENSMUSG00000121926,protein_coding	0.10912	0.809552
ENSMUSG00000000276.12,Dgke,protein_coding	0.10911	0.559043
ENSMUSG00000030509.18,Asb7,protein_coding	0.10911	0.513766

ENSMUSG00000005150.17,Wdr83,protein_coding	0.1091	0.689149
ENSMUSG00000022096.15,Hr,protein_coding	0.10909	0.752338
ENSMUSG00000105692.2,Gm43737,TEC	0.10907	0.683346
ENSMUSG00000055489.9,Ano5,protein_coding	0.10906	0.745874
ENSMUSG00000029775.15,Klhdc10,protein_coding	0.10904	0.47041
ENSMUSG00000025207.17,Sema4g,protein_coding	0.10899	0.709075
ENSMUSG00000133902.1,ENSMUSG00000133902,lncRNA	0.10899	0.849127
ENSMUSG00000043289.13,Mei4,protein_coding	0.10897	0.8378
ENSMUSG00000024212.11,Mllt1,protein_coding	0.10896	0.551433
ENSMUSG00000032925.17,Itgbl1,protein_coding	0.10892	0.822487
ENSMUSG00000039396.12,Neil3,protein_coding	0.10892	0.952014
ENSMUSG00000108359.2,C430039J01Rik,TEC	0.1089	0.876662
ENSMUSG00000026979.17,Psd4,protein_coding	0.1089	0.933269
ENSMUSG00000014813.10,Stc1,protein_coding	0.10888	0.728278
ENSMUSG00000032340.9,Neo1,protein_coding	0.1088	0.514243
ENSMUSG00000027882.19,Stxbp3,protein_coding	0.10879	0.751138
ENSMUSG00000031661.13,Nkd1,protein_coding	0.10875	0.697117
ENSMUSG00000007594.11,Hapln4,protein_coding	0.10874	0.676587
ENSMUSG00000027984.9,Hadh,protein_coding	0.10871	0.644443
ENSMUSG00000002778.15,Kdelr1,protein_coding	0.10862	0.497
ENSMUSG00000028822.12,Tmem50a,protein_coding	0.10861	0.573426
ENSMUSG00000071253.9,Slc25a16,protein_coding	0.10859	0.561266
ENSMUSG00000036862.16,Dchs1,protein_coding	0.10859	0.699576
ENSMUSG00000044807.14,Zfp354c,protein_coding	0.10856	0.592311
ENSMUSG00000098439.2,Hm629797,lncRNA	0.10852	0.823529
ENSMUSG00000138224.1,ENSMUSG00000138224,lncRNA	0.10842	0.686562
ENSMUSG00000029575.18,Mmab,protein_coding	0.1084	0.632185
ENSMUSG00000001569.11,Nom1,protein_coding	0.1084	0.502006
ENSMUSG00000034108.7,Ccs,protein_coding	0.10831	0.79009
ENSMUSG00000026854.17,Usp20,protein_coding	0.1083	0.676124
ENSMUSG00000021901.11,Bap1,protein_coding	0.10829	0.607036
ENSMUSG00000024556.5,Me2,protein_coding	0.10825	0.558721
ENSMUSG00000057337.15,Chst3,protein_coding	0.10822	0.920256
ENSMUSG00000029700.12,Slc13a1,protein_coding	0.10822	0.897355
ENSMUSG00000069301.6,H2ac11,protein_coding	0.10822	0.942435
ENSMUSG00000018567.15,Gabarap,protein_coding	0.1082	0.616134
ENSMUSG00000087679.3,Tmem250,protein_coding	0.10807	0.580178
ENSMUSG00000045466.19,Zfp956,protein_coding	0.10804	0.574954
ENSMUSG00000016984.8,Etaa1,protein_coding	0.10803	0.740724
ENSMUSG00000022372.15,Sla,protein_coding	0.10802	0.796085
ENSMUSG00000055723.7,Rras2,protein_coding	0.10798	0.77663
ENSMUSG00000040007.9,Bahd1,protein_coding	0.10795	0.634344
ENSMUSG00000030652.12,Coq7,protein_coding	0.10792	0.628085
ENSMUSG00000035227.8,Spcs2,protein_coding	0.10789	0.634879
ENSMUSG00000003992.16,Ssbp2,protein_coding	0.10788	0.563109
ENSMUSG00000041141.8,Pnma8a,protein_coding	0.10787	0.756894
ENSMUSG00000049191.13,Rtl5,protein_coding	0.10785	0.780332
ENSMUSG00000021958.6,Pinx1,protein_coding	0.10783	0.6966
ENSMUSG00000113649.2,Gm47665,TEC	0.10778	0.870976
ENSMUSG00000027937.16,Jtb,protein_coding	0.10778	0.636201
ENSMUSG00000023088.18,Abcc1,protein_coding	0.10773	0.596962
ENSMUSG00000061080.13,Lsamp,protein_coding	0.10772	0.543811

ENSMUSG00000107090.3,Gm42884,lncRNA	0.10765	0.812941
ENSMUSG00000003234.17,Abcf3,protein_coding	0.10764	0.614601
ENSMUSG00000043398.6,Gpr135,protein_coding	0.10758	0.680018
ENSMUSG00000053930.14,Shisa6,protein_coding	0.10756	0.77339
ENSMUSG00000038725.14,Pkhd1l1,protein_coding	0.10755	0.865295
ENSMUSG00000002475.17,Abhd3,protein_coding	0.10753	0.65982
ENSMUSG00000049643.16,2310022A10Rik,protein_coding	0.10751	0.677394
ENSMUSG00000026966.7,Ssna1,protein_coding	0.10747	0.742626
ENSMUSG00000042997.14,Nhlrc3,protein_coding	0.10745	0.544348
ENSMUSG00000006360.12,Crip1,protein_coding	0.10743	0.848549
ENSMUSG00000015533.10,Itga2,protein_coding	0.10739	0.89494
ENSMUSG00000097515.4,1700040D17Rik,lncRNA	0.10738	0.840996
ENSMUSG00000031029.7,Eif3f,protein_coding	0.10737	0.697496
ENSMUSG00000026958.14,Dpp7,protein_coding	0.10734	0.621167
ENSMUSG00000106371.2,9530097N15Rik,lncRNA	0.10733	0.868898
ENSMUSG00000064945.3,Rny3,misc_RNA	0.10732	0.898074
ENSMUSG00000028861.14,Mrps15,protein_coding	0.10726	0.580812
ENSMUSG00000065196.3,Snord85,snoRNA	0.10725	0.91345
ENSMUSG00000031153.17,Gripap1,protein_coding	0.10719	0.501872
ENSMUSG00000030086.17,Chchd6,protein_coding	0.10717	0.72147
ENSMUSG00000011589.10,Fsd1,protein_coding	0.1071	0.748259
ENSMUSG00000120883.2,Gm56552,lncRNA	0.1071	0.762586
ENSMUSG00000030094.9,Xpc,protein_coding	0.1071	0.634175
ENSMUSG00000033416.16,Gucd1,protein_coding	0.10701	0.687777
ENSMUSG00000020496.11,Rnf187,protein_coding	0.107	0.653846
ENSMUSG00000132029.1,ENSMUSG00000132029,lncRNA	0.10695	0.822933
ENSMUSG00000041809.6,Efhc1,protein_coding	0.10686	0.873848
ENSMUSG00000002111.10,Spi1,protein_coding	0.10686	0.90024
ENSMUSG00000032417.11,Rwdd2a,protein_coding	0.10685	0.771396
ENSMUSG00000094441.3,Zfp955a,protein_coding	0.10683	0.680118
ENSMUSG00000038482.12,Tfdp1,protein_coding	0.10678	0.69042
ENSMUSG00000031791.9,Tmem38a,protein_coding	0.10672	0.729858
ENSMUSG00000046897.18,Zfp740,protein_coding	0.10671	0.46431
ENSMUSG00000059839.10,Zfp874b,protein_coding	0.10668	0.704009
ENSMUSG00000074259.11,Gramd2a,protein_coding	0.10663	0.817738
ENSMUSG00000001300.17,Efnb2,protein_coding	0.10663	0.73252
ENSMUSG00000029670.13,Ing3,protein_coding	0.10653	0.615023
ENSMUSG00000105624.2,Gm43187,TEC	0.10651	0.742972
ENSMUSG00000042751.15,Nmnat2,protein_coding	0.10649	0.585573
ENSMUSG00000030374.16,Strn4,protein_coding	0.10644	0.575817
ENSMUSG00000030683.12,Sez6l2,protein_coding	0.10636	0.643378
ENSMUSG00000033423.17,Eri3,protein_coding	0.10636	0.649725
ENSMUSG00000127844.1,ENSMUSG00000127844,lncRNA	0.10631	0.835274
ENSMUSG00000020829.10,Slc46a1,protein_coding	0.10623	0.784201
ENSMUSG00000020621.7,Rdh14,protein_coding	0.10619	0.60388
ENSMUSG00000038886.11,Man2a2,protein_coding	0.10616	0.421796
ENSMUSG00000111442.2,Gm48334,TEC	0.10615	0.838768
ENSMUSG00000033726.9,Emx1,protein_coding	0.10613	0.847996
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ENSMUSG00000031889.10,Phaf1,protein_coding	0.10611	0.508644
ENSMUSG00000051498.8,Tlr6,protein_coding	0.10605	0.892593
ENSMUSG00000064437.4,Snord49b,snoRNA	0.10603	0.847595

ENSMUSG00000014301.14,Pam16,protein_coding	0.10598	0.593094
ENSMUSG00000121493.2,Cyp4f41-ps,lncRNA	0.10594	0.905497
ENSMUSG00000057229.12,Dmac2,protein_coding	0.10593	0.583062
ENSMUSG00000117647.3,Gm49969,lncRNA	0.10588	0.898913
ENSMUSG00000045790.11,Ccdc149,protein_coding	0.10586	0.685378
ENSMUSG00000005534.11,Insr,protein_coding	0.10585	0.544634
ENSMUSG00000027940.19,Tpm3,protein_coding	0.10583	0.71998
ENSMUSG00000048076.15,Arf1,protein_coding	0.10581	0.518281
ENSMUSG00000071654.7,Uqcc3,protein_coding	0.10578	0.733316
ENSMUSG00000031442.22,Mcf2l,protein_coding	0.10577	0.647594
ENSMUSG00000060279.16,Ap2a1,protein_coding	0.10573	0.706566
ENSMUSG00000047379.8,B4gat1,protein_coding	0.10571	0.672162
ENSMUSG00000038630.9,Zkscan16,protein_coding	0.10566	0.745556
ENSMUSG00000008167.15,Fbxw9,protein_coding	0.10562	0.744009
ENSMUSG00000071604.6,Entrep1,protein_coding	0.10559	0.735766
ENSMUSG00000060336.7,Zfp937,protein_coding	0.10559	0.628381
ENSMUSG00000039145.17,Camk1d,protein_coding	0.10557	0.609533
ENSMUSG00000021094.11,Dhrs7,protein_coding	0.10551	0.684563
ENSMUSG00000085282.11,Gm15663,lncRNA	0.10533	0.716036
ENSMUSG00000119950.2,Gm41113,lncRNA	0.10533	0.81106
ENSMUSG00000068335.7,Dok1,protein_coding	0.10531	0.907346
ENSMUSG00000040663.10,Clcf1,protein_coding	0.10526	0.909621
ENSMUSG00000033216.10,Eefsec,protein_coding	0.10517	0.659911
ENSMUSG00000032353.10,Tmed3,protein_coding	0.10515	0.712897
ENSMUSG00000019579.14,Mydgf,protein_coding	0.10506	0.583815
ENSMUSG00000053769.6,Lysmd1,protein_coding	0.10506	0.638139
ENSMUSG00000040952.17,Rps19,protein_coding	0.10503	0.828061
ENSMUSG00000039634.13,Zfp189,protein_coding	0.105	0.585937
ENSMUSG00000001741.13,Il16,protein_coding	0.10488	0.875385
ENSMUSG00000029311.17,Hsd17b11,protein_coding	0.10487	0.508466
ENSMUSG00000097772.10,5430416N02Rik,lncRNA	0.10485	0.700364
ENSMUSG00000058174.8,Gm5148,protein_coding	0.10479	0.686984
ENSMUSG00000087652.3,Gm15918,lncRNA	0.10475	0.903622
ENSMUSG00000045404.17,Kcnk13,protein_coding	0.10474	0.701508
ENSMUSG00000003308.16,Keap1,protein_coding	0.10463	0.557555
ENSMUSG00000115007.4,5830448L01Rik,lncRNA	0.10463	0.776459
ENSMUSG00000031304.19,Il2rg,protein_coding	0.10462	0.934964
ENSMUSG00000104960.4,Snhg8,lncRNA	0.10462	0.74872
ENSMUSG00000032059.14,Alg9,protein_coding	0.10461	0.563393
ENSMUSG00000007812.17,Zfp655,protein_coding	0.1046	0.549793
ENSMUSG00000120540.2,Gm57422,lncRNA	0.10458	0.858765
ENSMUSG00000050558.14,Prokr2,protein_coding	0.10453	0.83613
ENSMUSG00000070366.6,Plpp4,protein_coding	0.10441	0.794782
ENSMUSG00000001436.16,Slc19a1,protein_coding	0.10431	0.643223
ENSMUSG00000108152.2,Gm44152,TEC	0.10421	0.756553
ENSMUSG00000046985.12,Tapt1,protein_coding	0.10415	0.619756
ENSMUSG00000047591.6,Mafa,protein_coding	0.104	0.852635
ENSMUSG00000063229.16,Ldha,protein_coding	0.10399	0.680223
ENSMUSG00000002221.12,Paxip1,protein_coding	0.10387	0.449191
ENSMUSG00000028906.18,Epb41,protein_coding	0.10384	0.743035
ENSMUSG00000009535.14,Rnmt,protein_coding	0.10384	0.52192
ENSMUSG00000028278.15,Rragd,protein_coding	0.10384	0.654833

ENSMUSG00000040562.13,Gstm2,protein_coding	0.10381	0.839361
ENSMUSG00000038274.14,Fau,protein_coding	0.10372	0.796931
ENSMUSG00000122530.1,ENSMUSG00000122530,lncRNA	0.10364	0.773756
ENSMUSG00000060938.15,Rpl26,protein_coding	0.10362	0.816015
ENSMUSG00000099468.3,Gm28271,lncRNA	0.10362	0.894499
ENSMUSG00000117848.4,Gm35867,lncRNA	0.10354	0.931301
ENSMUSG00000073591.5,Pcdhb22,protein_coding	0.10353	0.619375
ENSMUSG00000025730.16,Rab40c,protein_coding	0.10342	0.554494
ENSMUSG00000021576.7,Pdcd6,protein_coding	0.10327	0.599846
ENSMUSG00000029348.12,Asphd2,protein_coding	0.10326	0.727905
ENSMUSG00000031987.7,Egln1,protein_coding	0.10323	0.551044
ENSMUSG00000050860.7,Phospho1,protein_coding	0.10322	0.700717
ENSMUSG00000005897.15,Nr2c1,protein_coding	0.10322	0.594912
ENSMUSG00000040972.9,Igsf21,protein_coding	0.10321	0.6869
ENSMUSG00000050213.7,Snip1,protein_coding	0.10316	0.65046
ENSMUSG00000025571.14,Tnrc6c,protein_coding	0.10315	0.574766
ENSMUSG00000006705.14,Pknox1,protein_coding	0.10314	0.649484
ENSMUSG00000034168.8,Irf2bpl,protein_coding	0.10313	0.559115
ENSMUSG00000022791.20,Tnk2,protein_coding	0.10313	0.702362
ENSMUSG00000038518.16,Jarid2,protein_coding	0.10309	0.640574
ENSMUSG00000036639.13,Nudt1,protein_coding	0.10308	0.896519
ENSMUSG00000020827.19,Mink1,protein_coding	0.10304	0.681214
ENSMUSG00000046380.4,Jrk,protein_coding	0.10304	0.683631
ENSMUSG00000030237.15,Slco1a4,protein_coding	0.10301	0.661417
ENSMUSG00000002274.15,Metrn,protein_coding	0.10298	0.71164
ENSMUSG00000042055.14,Wdr11,protein_coding	0.10287	0.499931
ENSMUSG00000017713.10,Tha1,protein_coding	0.10285	0.755007
ENSMUSG00000138098.1,ENSMUSG00000138098,lncRNA	0.10279	0.888941
ENSMUSG00000040675.18,Mthfd1l,protein_coding	0.10277	0.849527
ENSMUSG00000107304.3,Gm43775,TEC	0.10274	0.905127
ENSMUSG00000048445.7,Ccdc57,protein_coding	0.10272	0.765956
ENSMUSG00000044534.9,Ackr2,protein_coding	0.10271	0.808332
ENSMUSG00000039579.16,Grin3a,protein_coding	0.10269	0.679925
ENSMUSG00000056629.17,Fkbp2,protein_coding	0.10269	0.728324
ENSMUSG00000022364.15,Tbc1d31,protein_coding	0.10266	0.721096
ENSMUSG00000020460.16,Rps27a,protein_coding	0.10263	0.839875
ENSMUSG00000030083.12,Abtb1,protein_coding	0.10251	0.651088
ENSMUSG00000026664.8,Phyh,protein_coding	0.10251	0.596396
ENSMUSG00000026873.10,Phf19,protein_coding	0.1025	0.890722
ENSMUSG00000039662.17,Icmt,protein_coding	0.10245	0.712025
ENSMUSG00000001120.16,Pcbp3,protein_coding	0.10244	0.70861
ENSMUSG00000055401.15,Fbxo6,protein_coding	0.10243	0.723371
ENSMUSG00000000253.14,Gmpr,protein_coding	0.10243	0.733593
ENSMUSG00000038181.17,Chpf2,protein_coding	0.10217	0.696607
ENSMUSG00000066621.13,Tecpr1,protein_coding	0.10212	0.626885
ENSMUSG00000134561.1,ENSMUSG00000134561,lncRNA	0.102	0.74396
ENSMUSG00000036452.19,Arhgap26,protein_coding	0.10194	0.622127
ENSMUSG00000014303.14,Glis2,protein_coding	0.10191	0.698981
ENSMUSG00000120397.2,Gm56717,lncRNA	0.10188	0.831238
ENSMUSG00000039703.17,Nploc4,protein_coding	0.10185	0.494302
ENSMUSG00000035521.14,Gnptg,protein_coding	0.10185	0.534144
ENSMUSG00000049470.14,Aff4,protein_coding	0.10181	0.427258

ENSMUSG00000024130.17,Abca3,protein_coding	0.10175	0.568035
ENSMUSG00000040723.15,Rcsd1,protein_coding	0.10168	0.860744
ENSMUSG00000028753.13,Vwa5b1,protein_coding	0.10164	0.894819
ENSMUSG00000002741.10,Ykt6,protein_coding	0.1016	0.581221
ENSMUSG00000063882.13,Uqcrh,protein_coding	0.10159	0.661031
ENSMUSG00000015202.14,Cnksr3,protein_coding	0.10157	0.854162
ENSMUSG00000032294.18,Pkm,protein_coding	0.10155	0.654296
ENSMUSG00000005220.11,Corin,protein_coding	0.10149	0.855109
ENSMUSG00000049670.10,Morn4,protein_coding	0.10149	0.750662
ENSMUSG00000055707.14,Klhl26,protein_coding	0.10146	0.576956
ENSMUSG00000042116.4,Vwa1,protein_coding	0.10145	0.675564
ENSMUSG00000107865.2,Gm44417,TEC	0.10144	0.812485
ENSMUSG00000039116.8,Adgrg6,protein_coding	0.1014	0.769427
ENSMUSG00000114501.2,Gm48582,TEC	0.10135	0.758885
ENSMUSG00000034723.12,Tmx4,protein_coding	0.10133	0.580989
ENSMUSG00000020888.17,Dvl2,protein_coding	0.10128	0.592723
ENSMUSG00000028099.9,Polr3c,protein_coding	0.10125	0.692486
ENSMUSG00000034165.17,Ccnd3,protein_coding	0.10124	0.870539
ENSMUSG00000044583.14,Tlr7,protein_coding	0.1012	0.898716
ENSMUSG00000026648.19,Dclre1c,protein_coding	0.10116	0.745866
ENSMUSG00000027080.7,Med19,protein_coding	0.10114	0.553401
ENSMUSG00000028207.19,Asph,protein_coding	0.10113	0.734495
ENSMUSG00000037306.15,Man1c1,protein_coding	0.10113	0.615402
ENSMUSG00000108120.2,9930120I10Rik,TEC	0.10111	0.828429
ENSMUSG00000004264.18,Phb2,protein_coding	0.10108	0.656451
ENSMUSG00000005360.15,Slc1a3,protein_coding	0.10102	0.677761
ENSMUSG00000102673.2,Gm37437,TEC	0.10097	0.775186
ENSMUSG00000032012.10,Nectin1,protein_coding	0.1009	0.674487
ENSMUSG00000028932.9,Psmc2,protein_coding	0.10089	0.604685
ENSMUSG00000034390.17,Cmip,protein_coding	0.10087	0.668427
ENSMUSG00000038894.8,Irs2,protein_coding	0.10086	0.4604
ENSMUSG00000025465.14,Echs1,protein_coding	0.10086	0.461206
ENSMUSG00000015363.14,Trabd,protein_coding	0.10086	0.701201
ENSMUSG00000031310.17,Zmym3,protein_coding	0.10085	0.66876
ENSMUSG00000026566.16,Mpzl1,protein_coding	0.10084	0.550273
ENSMUSG00000116597.3,Gm536,lncRNA	0.10078	0.896893
ENSMUSG00000071176.11,Arhgef10,protein_coding	0.10078	0.658639
ENSMUSG00000043323.18,Fbrsl1,protein_coding	0.10065	0.634672
ENSMUSG00000043448.14,Gjc2,protein_coding	0.1006	0.76584
ENSMUSG00000007987.13,Ift22,protein_coding	0.10057	0.599801
ENSMUSG00000114279.2,H2bc14,protein_coding	0.10049	0.942956
ENSMUSG00000024604.8,Rbm22,protein_coding	0.10048	0.596487
ENSMUSG00000040859.15,Bsdc1,protein_coding	0.10035	0.51866
ENSMUSG00000021957.8,Tkt,protein_coding	0.10035	0.73612
ENSMUSG00000061411.13,Nol4l,protein_coding	0.10034	0.652199
ENSMUSG00000034157.13,Cipc,protein_coding	0.10034	0.50605
ENSMUSG00000057388.10,Mrpl18,protein_coding	0.10034	0.664392
ENSMUSG00000043144.7,Aqp6,protein_coding	0.10032	0.884708
ENSMUSG00000037740.9,Mrps26,protein_coding	0.10031	0.64702
ENSMUSG00000005566.15,Trim28,protein_coding	0.10031	0.667813
ENSMUSG00000038115.17,Ano2,protein_coding	0.1003	0.889373
ENSMUSG00000038000.11,Acd,protein_coding	0.10029	0.626328

ENSMUSG00000013997.11,Nit1,protein_coding	0.10026	0.562332
ENSMUSG00000109600.2,Gm18212,processed_pseudogene	0.10024	0.890719
ENSMUSG00000005774.13,Rfx5,protein_coding	0.10021	0.662829
ENSMUSG00000028138.9,Adh5,protein_coding	0.10018	0.662757
ENSMUSG00000091509.8,Gm17066,lncRNA	0.1001	0.879274
ENSMUSG00000050666.15,Vstm4,protein_coding	0.1001	0.771609
ENSMUSG00000024392.18,Bag6,protein_coding	0.10008	0.565302
ENSMUSG00000034189.6,Hsdl1,protein_coding	0.10005	0.601098
ENSMUSG00000007646.14,Rad51c,protein_coding	0.10004	0.759605
ENSMUSG00000019590.17,Cyb561,protein_coding	0.10003	0.81288
ENSMUSG00000031703.9,Itfg1,protein_coding	0.1	0.64563
ENSMUSG00000027618.18,Nfs1,protein_coding	0.09993	0.533958
ENSMUSG00000029060.18,Mib2,protein_coding	0.09989	0.688314
ENSMUSG00000039828.8,Wdr70,protein_coding	0.0998	0.547672
ENSMUSG00000029212.12,Gabrb1,protein_coding	0.09978	0.681591
ENSMUSG00000028982.10,Slc25a33,protein_coding	0.09975	0.719004
ENSMUSG00000039835.17,Nhsl1,protein_coding	0.09974	0.556135
ENSMUSG00000033419.17,Snap91,protein_coding	0.09962	0.629393
ENSMUSG00000022489.7,Pde1b,protein_coding	0.0996	0.843487
ENSMUSG00000031808.8,Slc27a1,protein_coding	0.09959	0.628974
ENSMUSG00000020477.11,Mrps24,protein_coding	0.09951	0.710245
ENSMUSG00000024387.14,Csnk2b,protein_coding	0.09937	0.604554
ENSMUSG00000030226.13,Lmo3,protein_coding	0.0993	0.826082
ENSMUSG00000058835.15,Abi1,protein_coding	0.0993	0.58508
ENSMUSG00000026249.11,Serpine2,protein_coding	0.09929	0.650535
ENSMUSG00000042198.13,Chchd7,protein_coding	0.09924	0.626644
ENSMUSG00000048756.12,Foxo3,protein_coding	0.09922	0.6183
ENSMUSG00000020246.14,Hcfc2,protein_coding	0.09916	0.562662
ENSMUSG00000044502.17,Bod1,protein_coding	0.09911	0.643743
ENSMUSG00000063765.13,Chadl,protein_coding	0.09908	0.77221
ENSMUSG00000025487.16,Psmd13,protein_coding	0.09906	0.623629
ENSMUSG00000028229.12,Rmdn1,protein_coding	0.09899	0.757219
ENSMUSG00000015745.10,Plekho1,protein_coding	0.09895	0.622364
ENSMUSG00000022120.5,Obi1,protein_coding	0.09893	0.73829
ENSMUSG00000105553.2,Gm42514,TEC	0.09892	0.875683
ENSMUSG00000083563.2,Gm13340,unprocessed_pseudogene	0.09892	0.810337
ENSMUSG00000091537.3,Tma7,protein_coding	0.09892	0.666744
ENSMUSG00000026102.10,Inpp1,protein_coding	0.09887	0.676225
ENSMUSG00000115249.3,Gm49085,lncRNA	0.09885	0.87665
ENSMUSG00000016493.14,Cd46,protein_coding	0.09882	0.790526
ENSMUSG00000024725.14,Ostf1,protein_coding	0.09879	0.811291
ENSMUSG00000034116.18,Vav1,protein_coding	0.09877	0.934352
ENSMUSG00000071645.7,Tut1,protein_coding	0.09875	0.622708
ENSMUSG00000013584.6,Aldh1a2,protein_coding	0.0987	0.840868
ENSMUSG00000030357.11,Fkbp4,protein_coding	0.09867	0.701641
ENSMUSG00000024056.11,Ndc80,protein_coding	0.09858	0.942149
ENSMUSG00000024983.11,Vti1a,protein_coding	0.09858	0.529714
ENSMUSG00000127977.1,ENSMUSG00000127977,lncRNA	0.09858	0.920451
ENSMUSG00000051379.13,Flrt3,protein_coding	0.09854	0.68051
ENSMUSG00000097699.4,5430400D12Rik,lncRNA	0.09845	0.761322
ENSMUSG00000037326.11,Capn15,protein_coding	0.09844	0.641296
ENSMUSG00000105202.2,C230031I18Rik,TEC	0.09844	0.766598

ENSMUSG00000050164.12,Mchr1,protein_coding	0.09843	0.817477
ENSMUSG00000064288.5,H4c12,protein_coding	0.09841	0.918049
ENSMUSG00000081788.3,Gm5898,processed_pseudogene	0.09834	0.79206
ENSMUSG00000015759.12,Cnih1,protein_coding	0.09834	0.587688
ENSMUSG00000032314.15,Etfa,protein_coding	0.09833	0.757235
ENSMUSG00000034187.19,Nsf,protein_coding	0.09829	0.702091
ENSMUSG00000109489.2,Gm7451,processed_pseudogene	0.09829	0.852252
ENSMUSG00000003970.10,Rpl8,protein_coding	0.09828	0.809
ENSMUSG00000107277.2,Gm10461,TEC	0.09826	0.741316
ENSMUSG00000018347.17,Zkscan6,protein_coding	0.09824	0.663506
ENSMUSG00000026163.18,Sphkap,protein_coding	0.09816	0.738539
ENSMUSG00000027803.15,Wwtr1,protein_coding	0.09812	0.614438
ENSMUSG00000024180.15,Pgap6,protein_coding	0.09809	0.582196
ENSMUSG00000045875.14,Adra1a,protein_coding	0.098	0.740772
ENSMUSG00000015053.15,Gata2,protein_coding	0.09797	0.754167
ENSMUSG00000074671.7,Tspyl3,protein_coding	0.09786	0.681443
ENSMUSG00000029713.16,Gnb2,protein_coding	0.09784	0.694241
ENSMUSG00000021638.13,Ocln,protein_coding	0.09784	0.762508
ENSMUSG00000097098.10,9330111N05Rik,lncRNA	0.09775	0.923046
ENSMUSG00000019823.18,Mical1,protein_coding	0.09774	0.847738
ENSMUSG00000075020.9,Mir670hg,lncRNA	0.09773	0.787121
ENSMUSG00000038954.15,Supt3,protein_coding	0.09772	0.691289
ENSMUSG00000043252.9,Tmem64,protein_coding	0.0977	0.690525
ENSMUSG00000059278.10,Naa38,protein_coding	0.0977	0.722378
ENSMUSG00000034793.16,G6pc3,protein_coding	0.0977	0.754063
ENSMUSG00000050428.8,Fbxo46,protein_coding	0.09765	0.657178
ENSMUSG00000104917.2,Gm43289,TEC	0.09758	0.866345
ENSMUSG00000026639.19,Lamb3,protein_coding	0.09753	0.875122
ENSMUSG00000059555.7,Tor4a,protein_coding	0.09753	0.882698
ENSMUSG00000038555.8,Reep2,protein_coding	0.09752	0.693375
ENSMUSG00000083863.2,Gm13341,unprocessed_pseudogene	0.09749	0.854867
ENSMUSG00000044024.17,Rell2,protein_coding	0.09746	0.759325
ENSMUSG00000091050.4,9330020H09Rik,lncRNA	0.09746	0.809441
ENSMUSG00000055368.15,Slc6a2,protein_coding	0.09744	0.974986
ENSMUSG00000019478.18,Rab4a,protein_coding	0.09744	0.64828
ENSMUSG00000056812.15,St8sia3,protein_coding	0.09741	0.736088
ENSMUSG00000090862.4,Rps13,protein_coding	0.09737	0.841837
ENSMUSG00000043943.15,Naalad2,protein_coding	0.09735	0.810035
ENSMUSG00000024870.7,Rab1b,protein_coding	0.09727	0.672278
ENSMUSG00000038828.14,Tmem214,protein_coding	0.09725	0.493661
ENSMUSG00000026708.17,Cenpl,protein_coding	0.09723	0.890674
ENSMUSG00000018217.13,Pmp22,protein_coding	0.09722	0.785547
ENSMUSG00000105947.2,Gm43789,TEC	0.09721	0.832845
ENSMUSG00000033059.8,Pygb,protein_coding	0.09715	0.680416
ENSMUSG00000035829.14,Ppp1r26,protein_coding	0.09707	0.725208
ENSMUSG00000112174.2,Gm48535,lncRNA	0.09707	0.891083
ENSMUSG00000118916.1,Gm25474,snoRNA	0.09707	0.896277
ENSMUSG00000119095.1,Gm22047,snoRNA	0.09707	0.896277
ENSMUSG00000119841.1,Gm23619,snoRNA	0.09707	0.896277
ENSMUSG00000121486.2,Zfp783,lncRNA	0.09704	0.718235
ENSMUSG00000022208.13,Jph4,protein_coding	0.09702	0.73935
ENSMUSG00000024588.11,Fech,protein_coding	0.09701	0.404298

ENSMUSG00000032607.13,Amt,protein_coding	0.09696	0.673376
ENSMUSG00000045374.19,Wdr81,protein_coding	0.09693	0.65773
ENSMUSG00000058503.12,Fam133b,protein_coding	0.09688	0.650046
ENSMUSG00000049295.18,Zfp219,protein_coding	0.09687	0.731637
ENSMUSG00000022109.7,Med4,protein_coding	0.09684	0.588485
ENSMUSG00000049792.7,Bag5,protein_coding	0.09678	0.629101
ENSMUSG00000047767.18,Atg16l2,protein_coding	0.09674	0.711864
ENSMUSG00000041530.18,Ago1,protein_coding	0.0966	0.474415
ENSMUSG00000026278.15,Bok,protein_coding	0.09658	0.798697
ENSMUSG00000039478.16,Micu3,protein_coding	0.09656	0.657716
ENSMUSG00000051678.5,Pcdhb6,protein_coding	0.09655	0.692388
ENSMUSG00000033039.11,Micall1,protein_coding	0.09647	0.606316
ENSMUSG00000026955.14,Sapcd2,protein_coding	0.09646	0.911969
ENSMUSG00000033918.17,Parl,protein_coding	0.0964	0.659752
ENSMUSG00000032606.8,Nicn1,protein_coding	0.09635	0.638694
ENSMUSG00000028273.17,Pdlim5,protein_coding	0.09632	0.698147
ENSMUSG00000040687.17,Madd,protein_coding	0.09632	0.65451
ENSMUSG00000033819.17,Ppp1r16a,protein_coding	0.0963	0.655476
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ENSMUSG00000046480.7,Scn4b,protein_coding	0.09626	0.83188
ENSMUSG00000098183.2,Gm27010,lncRNA	0.09623	0.880615
ENSMUSG00002075524.1,Gm55094,miRNA	0.09615	0.923628
ENSMUSG00002075188.1,Gm55936,miRNA	0.09615	0.927991
ENSMUSG00002076173.1,Gm55118,miRNA	0.09615	0.927991
ENSMUSG00000021038.18,Vipas39,protein_coding	0.09611	0.53848
ENSMUSG00000015342.7,Xk,protein_coding	0.0961	0.756198
ENSMUSG00000001783.4,Rtcb,protein_coding	0.09607	0.671828
ENSMUSG00000039851.12,Epcip,protein_coding	0.09604	0.820813
ENSMUSG00000050640.17,Tmem150c,protein_coding	0.09603	0.684838
ENSMUSG00000113789.2,Gm47322,TEC	0.09602	0.847202
ENSMUSG00000026587.16,Astn1,protein_coding	0.09598	0.727986
ENSMUSG00000028990.14,Lzic,protein_coding	0.09586	0.665755
ENSMUSG00000025366.9,Esyt1,protein_coding	0.09582	0.833153
ENSMUSG00000021477.10,Ctsl,protein_coding	0.09579	0.659425
ENSMUSG00000078861.9,Zfp931,protein_coding	0.09574	0.780991
ENSMUSG00000136827.1,ENSMUSG00000136827,lncRNA	0.09573	0.850456
ENSMUSG00000031543.19,Ank1,protein_coding	0.09572	0.789356
ENSMUSG00000053581.14,Zfand2a,protein_coding	0.09569	0.610872
ENSMUSG00000032259.9,Drd2,protein_coding	0.09566	0.886946
ENSMUSG00000053898.13,Ech1,protein_coding	0.09565	0.699299
ENSMUSG00000123181.1,ENSMUSG00000123181,lncRNA	0.09564	0.886337
ENSMUSG00000073418.5,C4b,protein_coding	0.09563	0.874547
ENSMUSG00000078870.11,Gm14410,protein_coding	0.09558	0.753533
ENSMUSG00000038351.15,Sgsm2,protein_coding	0.0955	0.759925
ENSMUSG00000090150.11,Acad11,protein_coding	0.09537	0.504018
ENSMUSG00000113003.2,Gm47138,TEC	0.09536	0.784957
ENSMUSG00000029559.16,2210016L21Rik,protein_coding	0.09534	0.720427
ENSMUSG00000106662.2,Gm43034,TEC	0.09533	0.875474
ENSMUSG00000035268.15,Pkig,protein_coding	0.09529	0.620119
ENSMUSG00000018537.17,Pcgf2,protein_coding	0.0952	0.706741
ENSMUSG00000002781.20,Tmem143,protein_coding	0.09519	0.668499
ENSMUSG00000024077.16,Strn,protein_coding	0.09517	0.740921

ENSMUSG00000108268.2,Gm44187,TEC	0.09513	0.760463
ENSMUSG00000037395.17,Rcor3,protein_coding	0.095	0.650967
ENSMUSG00000047187.10,Rab2a,protein_coding	0.095	0.686424
ENSMUSG00000080461.3,Gm22488,snoRNA	0.09498	0.900818
ENSMUSG00000093979.9,Gm2237,protein_coding	0.09491	0.877858
ENSMUSG00000032714.7,Syde1,protein_coding	0.0949	0.687393
ENSMUSG00000026273.14,Mterf4,protein_coding	0.09489	0.604924
ENSMUSG00000007836.7,Hnrnpa0,protein_coding	0.09489	0.672209
ENSMUSG00000044043.5,Pcdhb14,protein_coding	0.09486	0.649018
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ENSMUSG00000024410.16,Rmc1,protein_coding	0.09481	0.571435
ENSMUSG00000036781.14,Rps27l,protein_coding	0.09471	0.890248
ENSMUSG00000110723.2,Gm49353,protein_coding	0.09469	0.858439
ENSMUSG00000015092.10,Edf1,protein_coding	0.09469	0.719258
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ENSMUSG00000023044.3,Csad,protein_coding	0.09464	0.597799
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ENSMUSG00000015668.14,Pdzd11,protein_coding	0.09462	0.626507
ENSMUSG00000030452.17,Nipa2,protein_coding	0.09457	0.658975
ENSMUSG00000020802.9,Ube2o,protein_coding	0.09452	0.694543
ENSMUSG00000055866.10,Per2,protein_coding	0.0945	0.710412
ENSMUSG00000061787.16,Rps17,protein_coding	0.09444	0.82103
ENSMUSG00000023827.9,Agpat4,protein_coding	0.09443	0.666283
ENSMUSG00000086477.6,Gm57488,transcribed_unitary_pseudogene	0.09442	0.906175
ENSMUSG00000015396.5,Cd83,protein_coding	0.09439	0.877441
ENSMUSG00000102930.2,Gm38115,lncRNA	0.09438	0.766077
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ENSMUSG00000063236.7,1110038F14Rik,protein_coding	0.09424	0.671506
ENSMUSG00000034902.18,Pip5k1c,protein_coding	0.09423	0.67695
ENSMUSG00000112820.2,Gm48298,TEC	0.09421	0.857424
ENSMUSG00000044522.10,A730020M07Rik,lncRNA	0.09418	0.881253
ENSMUSG00000103332.2,Pcdhga2,protein_coding	0.09415	0.781418
ENSMUSG00000011884.14,Gltp,protein_coding	0.09408	0.669353
ENSMUSG00000047394.10,Cimap1b,protein_coding	0.09405	0.936714
ENSMUSG00000032492.15,Pth1r,protein_coding	0.09405	0.837535
ENSMUSG00000052906.8,Ubxn8,protein_coding	0.094	0.627925
ENSMUSG00000028150.15,Rorc,protein_coding	0.09398	0.892802
ENSMUSG00000005621.12,Zfp592,protein_coding	0.09394	0.581401
ENSMUSG00000062098.12,Btbd3,protein_coding	0.09394	0.749195
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ENSMUSG00000102917.2,Gm37724,lncRNA	0.09384	0.870695
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ENSMUSG00000004393.11,Ddx56,protein_coding	0.09374	0.660978
ENSMUSG00000048616.5,Nog,protein_coding	0.09373	0.777727
ENSMUSG00000021552.8,Gkap1,protein_coding	0.09372	0.567542
ENSMUSG00000073412.7,Lst1,protein_coding	0.09371	0.891331
ENSMUSG00000133280.1,ENSMUSG00000133280,lncRNA	0.09369	0.791061
ENSMUSG00000036002.13,Atosb,protein_coding	0.09369	0.678559
ENSMUSG00000107411.2,Gm19040,processed_pseudogene	0.09367	0.761277
ENSMUSG00000102758.4,Naaladl2,protein_coding	0.09362	0.76068
ENSMUSG00000106767.2,Gm42727,TEC	0.09358	0.857727

ENSMUSG00000072949.7,Acot1,protein_coding	0.09357	0.791983
ENSMUSG00000038422.3,Hdhd3,protein_coding	0.09347	0.781283
ENSMUSG00000036825.13,Ssx2ip,protein_coding	0.09346	0.653113
ENSMUSG00000074916.6,Chst14,protein_coding	0.09342	0.853896
ENSMUSG00000036894.4,Rap2b,protein_coding	0.09335	0.738986
ENSMUSG00000029147.12,Ppm1g,protein_coding	0.09333	0.711534
ENSMUSG00000085793.4,Lin52,protein_coding	0.09332	0.576328
ENSMUSG00000006728.13,Cdk4,protein_coding	0.0933	0.78267
ENSMUSG00000027509.12,Rae1,protein_coding	0.09329	0.701447
ENSMUSG00000108129.5,4930417O13Rik,lncRNA	0.09328	0.895878
ENSMUSG00000027010.17,Slc25a12,protein_coding	0.09326	0.584163
ENSMUSG00000032786.17,Alas1,protein_coding	0.09324	0.517802
ENSMUSG00000089911.5,Mfsd14a,protein_coding	0.09322	0.53489
ENSMUSG00000036840.6,Siah1a,protein_coding	0.0932	0.592486
ENSMUSG00000019715.15,Gle1,protein_coding	0.09319	0.505307
ENSMUSG00000107456.2,Gm10400,TEC	0.09318	0.830833
ENSMUSG00000025278.10,Flnb,protein_coding	0.09316	0.538448
ENSMUSG00000033854.11,Kcnk10,protein_coding	0.09315	0.84019
ENSMUSG00000042271.14,Nxt2,protein_coding	0.09288	0.748687
ENSMUSG00000011148.15,Adss1,protein_coding	0.09288	0.728537
ENSMUSG00000036712.17,Cyld,protein_coding	0.09288	0.595753
ENSMUSG00000071477.11,Zfp777,protein_coding	0.09288	0.704529
ENSMUSG00000032788.16,Pdxk,protein_coding	0.09288	0.690065
ENSMUSG00000042744.17,Hectd4,protein_coding	0.09287	0.632544
ENSMUSG00000019923.15,Zwint,protein_coding	0.09283	0.685107
ENSMUSG00000071644.11,Eef1g,protein_coding	0.09277	0.723201
ENSMUSG00000029832.17,Nfe2l3,protein_coding	0.09276	0.802988
ENSMUSG00000032239.11,Rp9,protein_coding	0.09268	0.662708
ENSMUSG00000029196.10,Tada2b,protein_coding	0.09267	0.484006
ENSMUSG00000047013.16,Fbxo41,protein_coding	0.09262	0.745285
ENSMUSG00000117975.2,Itprip,protein_coding	0.09259	0.899353
ENSMUSG00000053025.14,Sv2b,protein_coding	0.09258	0.7519
ENSMUSG00000018999.15,Slc35b4,protein_coding	0.09254	0.631134
ENSMUSG00000031302.17,Nlgn3,protein_coding	0.09254	0.733471
ENSMUSG00000020282.19,Rhbdf1,protein_coding	0.09244	0.834355
ENSMUSG00000018372.14,Cep95,protein_coding	0.09244	0.764776
ENSMUSG00000041571.11,Selenow,protein_coding	0.0924	0.750016
ENSMUSG00000025420.14,Katnal2,protein_coding	0.0924	0.802956
ENSMUSG00000025132.14,Arhgdia,protein_coding	0.09234	0.714938
ENSMUSG00000028653.17,Trit1,protein_coding	0.09234	0.739318
ENSMUSG00000024242.16,Map4k3,protein_coding	0.09228	0.628479
ENSMUSG00000048234.14,Rnf149,protein_coding	0.09227	0.697437
ENSMUSG00000097383.4,1500026H17Rik,lncRNA	0.09223	0.820536
ENSMUSG00000090035.4,Galnt4,protein_coding	0.09222	0.784387
ENSMUSG00000018326.10,Ywhab,protein_coding	0.09221	0.633185
ENSMUSG00000021913.9,Ogdhl,protein_coding	0.09216	0.704049
ENSMUSG00000032320.8,Rcn2,protein_coding	0.09213	0.613633
ENSMUSG00000062115.16,Rai1,protein_coding	0.09207	0.670413
ENSMUSG00000038949.9,Cnst,protein_coding	0.09203	0.68165
ENSMUSG00000017897.19,Eya2,protein_coding	0.09201	0.800517
ENSMUSG00000031865.17,Dctn1,protein_coding	0.09201	0.725258
ENSMUSG00000029096.16,Htra3,protein_coding	0.092	0.7878

ENSMUSG00000106596.2,Gm42822,TEC	0.092	0.809031
ENSMUSG00000061518.12,Cox5b,protein_coding	0.09199	0.697052
ENSMUSG00000108591.2,Particl,TEC	0.09196	0.712017
ENSMUSG00000020918.15,Kat2a,protein_coding	0.09195	0.682891
ENSMUSG00000078779.5,Zfp59,protein_coding	0.0919	0.651491
ENSMUSG00000037016.12,Frem2,protein_coding	0.09187	0.776788
ENSMUSG00000020659.18,Cbll1,protein_coding	0.09185	0.655846
ENSMUSG00000065287.3,Gm24451,snoRNA	0.09181	0.850988
ENSMUSG00000030614.9,Tmem126b,protein_coding	0.09177	0.57673
ENSMUSG00000078429.10,Ctdsp2,protein_coding	0.09177	0.546079
ENSMUSG00000041794.14,Myrip,protein_coding	0.09175	0.747847
ENSMUSG00000034285.16,Nipsnap1,protein_coding	0.0917	0.685816
ENSMUSG00000030091.18,Nup210,protein_coding	0.0917	0.837239
ENSMUSG00000101481.3,1700123O21Rik,lncRNA	0.09169	0.842653
ENSMUSG00000075289.6,Carns1,protein_coding	0.09166	0.782602
ENSMUSG00000038503.16,Mesd,protein_coding	0.09163	0.62983
ENSMUSG00000041815.15,Poldip3,protein_coding	0.09162	0.506586
ENSMUSG00000106244.2,Gm43046,TEC	0.09157	0.834698
ENSMUSG00000144194.3,4933421O10Rik,lncRNA	0.09155	0.663914
ENSMUSG00000024347.17,Psd2,protein_coding	0.09152	0.726287
ENSMUSG00000071723.8,Gspt2,protein_coding	0.09149	0.647516
ENSMUSG00000063146.12,Clip2,protein_coding	0.09143	0.705065
ENSMUSG00000032252.15,Glce,protein_coding	0.0914	0.619834
ENSMUSG00000036634.16,Mag,protein_coding	0.09137	0.755648
ENSMUSG00000062591.6,Tubb4a,protein_coding	0.09125	0.670032
ENSMUSG00000065637.3,Gm26397,snoRNA	0.09125	0.779204
ENSMUSG00000040236.5,Trappc5,protein_coding	0.0912	0.544347
ENSMUSG00000086487.3,Gm11638,lncRNA	0.09119	0.885218
ENSMUSG00000034868.10,Myl12b,protein_coding	0.09118	0.694215
ENSMUSG00000032010.16,Usp2,protein_coding	0.09117	0.681621
ENSMUSG00000079884.7,Tmed2b,processed_pseudogene	0.09116	0.81318
ENSMUSG00000034586.15,Hid1,protein_coding	0.09115	0.735659
ENSMUSG00000115699.4,Gm6961,lncRNA	0.09114	0.89167
ENSMUSG00000056069.11,Otulinl,protein_coding	0.09111	0.752844
ENSMUSG00000025766.15,D3Ertd751e,protein_coding	0.09109	0.725821
ENSMUSG00000005683.9,Cs,protein_coding	0.09109	0.520836
ENSMUSG00000049300.12,Prmt6,protein_coding	0.09108	0.736181
ENSMUSG00000013787.16,Ehmt2,protein_coding	0.09101	0.664433
ENSMUSG00000022856.10,Tmem41a,protein_coding	0.09098	0.750343
ENSMUSG00000045672.16,Col27a1,protein_coding	0.09093	0.849458
ENSMUSG00000053916.5,Nanp,protein_coding	0.09093	0.720166
ENSMUSG00000020684.15,Rasl10b,protein_coding	0.09088	0.790262
ENSMUSG00000025575.15,Cant1,protein_coding	0.09079	0.619414
ENSMUSG00000074748.4,Atxn7l3b,protein_coding	0.09077	0.555645
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ENSMUSG00000043301.17,Kcnj6,protein_coding	0.09068	0.72615
ENSMUSG00000032299.11,Commd4,protein_coding	0.09068	0.673507
ENSMUSG00000075273.5,Ift70b,protein_coding	0.09058	0.760582
ENSMUSG00000035172.16,Plekhh3,protein_coding	0.09058	0.783116
ENSMUSG00000032666.17,1700025G04Rik,protein_coding	0.09055	0.687096
ENSMUSG00000026354.9,Lct,protein_coding	0.09054	0.858565
ENSMUSG00000028613.16,Lrp8,protein_coding	0.09052	0.58785

ENSMUSG00000055945.9,Prr18,protein_coding	0.09047	0.730007
ENSMUSG00000004567.17,Mcoln1,protein_coding	0.09044	0.602893
ENSMUSG00000025228.6,Actr1a,protein_coding	0.09041	0.658632
ENSMUSG00000008575.18,Nfib,protein_coding	0.09038	0.747323
ENSMUSG00000041729.16,Coro2b,protein_coding	0.09037	0.648396
ENSMUSG00000019861.16,Gopc,protein_coding	0.09036	0.609801
ENSMUSG00000001418.14,Glmp,protein_coding	0.09036	0.668558
ENSMUSG00000030839.13,Sergef,protein_coding	0.09035	0.676505
ENSMUSG00000061315.15,Naca,protein_coding	0.09034	0.680768
ENSMUSG00000040875.13,Osbpl10,protein_coding	0.09029	0.795259
ENSMUSG00000019790.18,Stxbp5,protein_coding	0.09024	0.608613
ENSMUSG00000020271.18,Fbxw11,protein_coding	0.09022	0.554232
ENSMUSG00000030657.12,Xylt1,protein_coding	0.09021	0.74977
ENSMUSG00000038838.16,Vars2,protein_coding	0.09017	0.745762
ENSMUSG00000107278.2,Gm42600,TEC	0.09016	0.852899
ENSMUSG00000029621.15,Arpc1a,protein_coding	0.09012	0.682068
ENSMUSG00000052407.18,Ccdc171,protein_coding	0.09009	0.854713
ENSMUSG00000031149.8,Praf2,protein_coding	0.09009	0.719542
ENSMUSG00000020883.19,Fbxl20,protein_coding	0.09007	0.486627
ENSMUSG00000072640.12,Lyrm9,protein_coding	0.09006	0.615775
ENSMUSG00000041380.14,Htr2c,protein_coding	0.09001	0.764183
ENSMUSG00000031954.7,Cfdp1,protein_coding	0.08996	0.535049
ENSMUSG00000034265.9,Zdhhc14,protein_coding	0.08994	0.637728
ENSMUSG00000042444.11,Mindy2,protein_coding	0.0899	0.76263
ENSMUSG00000052783.17,Grk4,protein_coding	0.08989	0.764135
ENSMUSG00000021252.12,Erg28,protein_coding	0.08987	0.55065
ENSMUSG00000039231.19,Suv39h1,protein_coding	0.08985	0.756161
ENSMUSG00000047307.3,Pcdhb13,protein_coding	0.08984	0.755085
ENSMUSG00000018599.6,Mief2,protein_coding	0.08981	0.76086
ENSMUSG00000026502.14,Desi2,protein_coding	0.08981	0.646963
ENSMUSG00000039637.16,Coro7,protein_coding	0.0898	0.657726
ENSMUSG00000038805.11,Six3,protein_coding	0.08979	0.893456
ENSMUSG00000022761.13,Lztr1,protein_coding	0.08977	0.702543
ENSMUSG00000037151.9,Lrrc20,protein_coding	0.08975	0.770042
ENSMUSG00000073542.4,Cep76,protein_coding	0.08972	0.866388
ENSMUSG00000095677.3,Dynlt1f,protein_coding	0.08969	0.8936
ENSMUSG00000035242.17,Oaz1,protein_coding	0.08968	0.630594
ENSMUSG00000025428.16,Atp5f1a,protein_coding	0.08966	0.673755
ENSMUSG00000103696.2,Gm37531,TEC	0.08966	0.747359
ENSMUSG00000025290.18,Rps24,protein_coding	0.0896	0.828586
ENSMUSG00000019796.13,Lrp11,protein_coding	0.0896	0.684673
ENSMUSG00000021133.10,Susd6,protein_coding	0.0896	0.751545
ENSMUSG00000140389.1,ENSMUSG00000140389,lncRNA	0.08959	0.802606
ENSMUSG00000102428.2,Pcdhga12,protein_coding	0.08958	0.666628
ENSMUSG00000049420.10,Tmem200a,protein_coding	0.08957	0.726744
ENSMUSG00000071528.5,Atp5mk,protein_coding	0.08957	0.709629
ENSMUSG00000038212.17,Mfsd14b,protein_coding	0.08954	0.671496
ENSMUSG00000036067.13,Slc2a6,protein_coding	0.08941	0.717518
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ENSMUSG00000108825.2,Gm45838,TEC	0.08934	0.854723
ENSMUSG00000069631.15,Strada,protein_coding	0.08922	0.643396
ENSMUSG00000024219.17,Anks1,protein_coding	0.0892	0.602856

ENSMUSG00000104963.2,Gm42974,TEC	0.08917	0.803604
ENSMUSG00000045757.7,Zfp764,protein_coding	0.08912	0.815314
ENSMUSG00000056972.7,Magel2,protein_coding	0.08904	0.902194
ENSMUSG00000020775.14,Mrpl38,protein_coding	0.08903	0.74216
ENSMUSG00000018672.16,Copz2,protein_coding	0.08901	0.800736
ENSMUSG00000060882.6,Kcnd2,protein_coding	0.08898	0.733982
ENSMUSG00000070808.5,Bicra,protein_coding	0.08891	0.710998
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ENSMUSG00000022010.20,Tsc22d1,protein_coding	0.0889	0.680238
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ENSMUSG00000018001.19,Cyth3,protein_coding	0.08886	0.4983
ENSMUSG00000027131.4,Emc4,protein_coding	0.08884	0.683967
ENSMUSG00000063801.8,Ap3s2,protein_coding	0.08883	0.626264
ENSMUSG00000032936.14,Camkv,protein_coding	0.08881	0.847619
ENSMUSG00000104291.2,A130071D04Rik,TEC	0.08872	0.947287
ENSMUSG00000025422.11,Agap2,protein_coding	0.08872	0.809861
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ENSMUSG00000017453.5,Pipox,protein_coding	0.08869	0.892992
ENSMUSG00000119320.1,Snora70,snoRNA	0.08868	0.796135
ENSMUSG00000026918.17,Brd3,protein_coding	0.08864	0.472475
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ENSMUSG00000035666.15,Gtf3c4,protein_coding	0.08839	0.490168
ENSMUSG00000018474.19,Chd3,protein_coding	0.08838	0.727936
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ENSMUSG00000026939.13,Tmem141,protein_coding	0.08835	0.75074
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ENSMUSG00000106772.2,Gm43794,TEC	0.08816	0.827605
ENSMUSG00000045980.14,Tmem104,protein_coding	0.08816	0.677813
ENSMUSG00000097250.4,Gm26771,lncRNA	0.08811	0.914404
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ENSMUSG00000002455.15,Prpf6,protein_coding	0.08803	0.587313
ENSMUSG00000080615.3,Snord99,snoRNA	0.08794	0.876199
ENSMUSG00000105971.2,Gm43805,TEC	0.08794	0.891321

ENSMUSG00000038593.19,Tctn1,protein_coding	0.08792	0.741931
ENSMUSG00000070167.3,Snora57,snoRNA	0.0879	0.884203
ENSMUSG00000025375.16,Aatk,protein_coding	0.0879	0.680536
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ENSMUSG00000020988.10,L2hgdh,protein_coding	0.08782	0.614872
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ENSMUSG00000008393.10,Carhsp1,protein_coding	0.08772	0.657108
ENSMUSG00000138269.1,ENSMUSG00000138269,lncRNA	0.08763	0.810207
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ENSMUSG00000089957.4,A830011K09Rik,lncRNA	0.08754	0.848189
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ENSMUSG00000020919.12,Stat5b,protein_coding	0.0874	0.71041
ENSMUSG00000022814.7,Umps,protein_coding	0.08738	0.68709
ENSMUSG00000116858.3,Gm49797,lncRNA	0.08738	0.661605
ENSMUSG00000063576.13,Klhdc3,protein_coding	0.08735	0.689425
ENSMUSG00000032017.15,Grik4,protein_coding	0.08733	0.777021
ENSMUSG00000022309.10,Angpt1,protein_coding	0.08729	0.777924
ENSMUSG00000030137.9,Tuba8,protein_coding	0.08728	0.828574
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ENSMUSG00000020392.9,Cdkn2aipnl,protein_coding	0.08723	0.729426
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ENSMUSG00000118653.2,Ube2srt,protein_coding	0.08718	0.928358
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ENSMUSG00000029056.14,Pank4,protein_coding	0.08713	0.716168
ENSMUSG00000025169.7,Ogfod3,protein_coding	0.08711	0.833572
ENSMUSG00000068706.4,Gm10250,processed_pseudogene	0.08708	0.885353
ENSMUSG00000031932.15,Gpr83,protein_coding	0.08707	0.777825
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ENSMUSG00000102133.2,Gm37106,TEC	0.08688	0.849728
ENSMUSG00000004394.13,Tmed4,protein_coding	0.08688	0.631366
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ENSMUSG00000025786.18,Zdhhc3,protein_coding	0.0868	0.431193
ENSMUSG00000056947.6,Mab21l1,protein_coding	0.08665	0.883426
ENSMUSG00000106446.2,Gm42970,TEC	0.08665	0.885201
ENSMUSG00000116180.2,Gm49492,lncRNA	0.08662	0.810605
ENSMUSG00000020225.11,Tmbim4,protein_coding	0.08662	0.749627
ENSMUSG00000053774.10,Ubxn7,protein_coding	0.08659	0.654902
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ENSMUSG00000021748.10,Pdhb,protein_coding	0.08634	0.549584
ENSMUSG00000025551.14,Fgf14,protein_coding	0.08632	0.71956
ENSMUSG00000031822.21,Gse1,protein_coding	0.08631	0.656503
ENSMUSG00000087366.10,Junos,lncRNA	0.08629	0.821074
ENSMUSG00000029127.16,Zbtb49,protein_coding	0.08628	0.74332
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ENSMUSG00000033948.4,Zswim5,protein_coding	0.0862	0.659487
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ENSMUSG00000006127.10,Inpp5k,protein_coding	0.08615	0.533108
ENSMUSG00000028744.16,Slc66a1,protein_coding	0.0861	0.718409
ENSMUSG00000025192.14,Entpd7,protein_coding	0.0861	0.530963
ENSMUSG00000001924.16,Uba1,protein_coding	0.08609	0.672334
ENSMUSG00000059586.11,Nsmce2,protein_coding	0.08608	0.63542
ENSMUSG00000078816.11,Prkcg,protein_coding	0.08605	0.771898
ENSMUSG00000035735.11,Dagla,protein_coding	0.08605	0.762084
ENSMUSG00000067367.10,Lyar,protein_coding	0.08595	0.866528
ENSMUSG00000031916.18,Cog8,protein_coding	0.08588	0.607339
ENSMUSG00000039183.7,Nubp2,protein_coding	0.08586	0.742679
ENSMUSG00000023991.17,Foxp4,protein_coding	0.0858	0.704254
ENSMUSG00000025060.16,Slk,protein_coding	0.08579	0.60919
ENSMUSG00000105761.2,Gm43787,TEC	0.08573	0.735881
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ENSMUSG00000021276.11,Cinp,protein_coding	0.08561	0.580851
ENSMUSG00000042826.14,Fgf11,protein_coding	0.08557	0.598189
ENSMUSG00000031781.15,Ciapin1,protein_coding	0.08555	0.59268
ENSMUSG00000000826.17,Dnajc5,protein_coding	0.08545	0.623067
ENSMUSG00000079003.4,Samd1,protein_coding	0.08545	0.659372
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ENSMUSG00000041313.15,Slc7a1,protein_coding	0.08544	0.804617
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ENSMUSG00000023460.15,Rab12,protein_coding	0.08533	0.59531
ENSMUSG00000021048.8,Mthfd1,protein_coding	0.08531	0.730115
ENSMUSG00000044857.9,Lemd2,protein_coding	0.08527	0.657753
ENSMUSG00000035314.11,Gdpd5,protein_coding	0.08527	0.735422
ENSMUSG00000003528.16,Slc25a1,protein_coding	0.08525	0.781965
ENSMUSG00000021222.10,Dcaf4,protein_coding	0.08522	0.757781
ENSMUSG00000029106.15,Add1,protein_coding	0.0852	0.698998
ENSMUSG00000049734.10,Trex1,protein_coding	0.08517	0.928497
ENSMUSG00000048701.14,Ccdc6,protein_coding	0.08508	0.477829
ENSMUSG00000022436.17,Sh3bp1,protein_coding	0.08503	0.748082
ENSMUSG00000028124.17,Gclm,protein_coding	0.08502	0.714103
ENSMUSG00000031751.15,Amfr,protein_coding	0.08498	0.551856
ENSMUSG00000103596.2,Gm37354,TEC	0.08497	0.845351
ENSMUSG00000027247.17,Arhgap1,protein_coding	0.08494	0.669816
ENSMUSG00000024856.11,Cdk2ap2,protein_coding	0.0849	0.798232
ENSMUSG00000069273.3,H3c6,protein_coding	0.08488	0.939319
ENSMUSG00000023232.18,Serinc2,protein_coding	0.08488	0.867855
ENSMUSG00000030077.12,Chl1,protein_coding	0.08486	0.700007
ENSMUSG00000064373.14,Selenop,protein_coding	0.08486	0.657297
ENSMUSG00000108617.3,Gm31749,lncRNA	0.08483	0.848844
ENSMUSG00000108551.2,Gm20274,lncRNA	0.08482	0.85149
ENSMUSG00000002052.7,Supt6,protein_coding	0.08479	0.561942
ENSMUSG00000026917.16,Wdr5,protein_coding	0.08478	0.679392
ENSMUSG00000024069.15,Slc30a6,protein_coding	0.08476	0.673331
ENSMUSG00000029438.10,Bcl7a,protein_coding	0.08471	0.54306
ENSMUSG00000142736.1,ENSMUSG00000142736,lncRNA	0.0847	0.862198

ENSMUSG00000041096.14,Tspyl2,protein_coding	0.08468	0.733193
ENSMUSG00000057036.8,Gm7536,processed_pseudogene	0.08465	0.857291
ENSMUSG00000018405.8,Mrm1,protein_coding	0.08464	0.801465
ENSMUSG00000016253.13,Nelfcd,protein_coding	0.08462	0.638794
ENSMUSG00000041890.18,Git2,protein_coding	0.08455	0.725492
ENSMUSG00000025545.11,Clybl,protein_coding	0.08455	0.83933
ENSMUSG00000054312.7,Mrps21,protein_coding	0.08453	0.726504
ENSMUSG00000022790.15,Igsf11,protein_coding	0.08452	0.68828
ENSMUSG00000061981.15,Flot2,protein_coding	0.08451	0.7607
ENSMUSG00000020758.16,Itgb4,protein_coding	0.0845	0.780871
ENSMUSG00000108601.2,Gm44645,TEC	0.08448	0.885939
ENSMUSG00000067713.8,Prkag1,protein_coding	0.08445	0.641613
ENSMUSG00000052056.15,Zfp217,protein_coding	0.08445	0.926773
ENSMUSG00000059291.16,Rpl11,protein_coding	0.08443	0.828228
ENSMUSG00000107747.2,Gm5881,processed_pseudogene	0.08441	0.909748
ENSMUSG00000038215.16,Cep44,protein_coding	0.08437	0.801474
ENSMUSG00000043391.11,2510009E07Rik,protein_coding	0.08434	0.572994
ENSMUSG00000031958.17,Ldhd,protein_coding	0.08424	0.745861
ENSMUSG00000031360.15,Ctps2,protein_coding	0.08422	0.555471
ENSMUSG00000100158.3,Gm28119,lncRNA	0.08421	0.859533
ENSMUSG00000021611.10,Tert,protein_coding	0.08413	0.902193
ENSMUSG00000034761.17,Map4k5,protein_coding	0.08412	0.626263
ENSMUSG00000067586.5,S1pr3,protein_coding	0.08405	0.776732
ENSMUSG00000025495.16,Ptdss2,protein_coding	0.08404	0.593827
ENSMUSG00000057880.13,Abat,protein_coding	0.08403	0.66461
ENSMUSG00000008090.15,Fgfrl1,protein_coding	0.08403	0.755988
ENSMUSG00000043311.8,D17H6S53E,protein_coding	0.084	0.691578
ENSMUSG00000115793.2,Gm48961,TEC	0.08396	0.849653
ENSMUSG00000072946.13,Ptgr2,protein_coding	0.08391	0.650849
ENSMUSG00000057561.12,Eif1a,protein_coding	0.08386	0.790529
ENSMUSG00000038619.13,Ensa,protein_coding	0.08385	0.602203
ENSMUSG00000105084.2,Gm43365,TEC	0.08385	0.840501
ENSMUSG00000061288.14,Taok3,protein_coding	0.08381	0.52993
ENSMUSG00000036835.8,Psenen,protein_coding	0.08381	0.73463
ENSMUSG00000065878.3,Snord34,snoRNA	0.08373	0.907619
ENSMUSG00000079316.11,Rab9,protein_coding	0.0837	0.710818
ENSMUSG00000054945.6,Gm9958,lncRNA	0.0837	0.864532
ENSMUSG00000121097.2,Gm57002,lncRNA	0.08368	0.90611
ENSMUSG00000003033.16,Ap1m1,protein_coding	0.08368	0.672632
ENSMUSG00000015090.14,Ptgds,protein_coding	0.08367	0.812028
ENSMUSG00000039523.17,Cep104,protein_coding	0.08366	0.585432
ENSMUSG00000023892.9,Zfp51,protein_coding	0.08359	0.836418
ENSMUSG00000038072.15,Galnt11,protein_coding	0.08355	0.580804
ENSMUSG00000020453.18,Patz1,protein_coding	0.08354	0.624246
ENSMUSG00000022619.6,Mapk8ip2,protein_coding	0.08348	0.705997
ENSMUSG00000019856.15,Fam184a,protein_coding	0.08347	0.71394
ENSMUSG00000004896.17,Mettl25b,protein_coding	0.08346	0.667284
ENSMUSG00000039001.13,Rps21,protein_coding	0.08341	0.834736
ENSMUSG00000038280.13,Ostm1,protein_coding	0.08336	0.623473
ENSMUSG00000019173.12,Rab5c,protein_coding	0.08334	0.63225
ENSMUSG00000021572.10,Cep72,protein_coding	0.08331	0.830035
ENSMUSG00000124710.1,ENSMUSG00000124710,lncRNA	0.0833	0.888255

ENSMUSG00000002372.10,Ranbp3,protein_coding	0.08327	0.67224
ENSMUSG00000037031.11,Tspan15,protein_coding	0.08326	0.653914
ENSMUSG00000016150.16,Tenm1,protein_coding	0.08323	0.768092
ENSMUSG00000031772.18,Cntnap4,protein_coding	0.08323	0.770666
ENSMUSG00000018239.10,Zcchc10,protein_coding	0.08322	0.787896
ENSMUSG00000023918.13,Adgrf4,protein_coding	0.08321	0.880708
ENSMUSG00000056073.17,Grik2,protein_coding	0.08319	0.762063
ENSMUSG00000106092.2,Gm43072,TEC	0.08318	0.791549
ENSMUSG00000111348.3,Gm19531,lncRNA	0.08316	0.906314
ENSMUSG00000023809.12,Rps6ka2,protein_coding	0.08315	0.764221
ENSMUSG00000106837.2,D630030B08Rik,TEC	0.08312	0.797983
ENSMUSG00000044018.4,Mrpl50,protein_coding	0.0831	0.569391
ENSMUSG00000049086.9,Bmyc,protein_coding	0.08305	0.761383
ENSMUSG00000003464.14,Pex19,protein_coding	0.083	0.612753
ENSMUSG00000026656.16,Fcgr2b,protein_coding	0.08299	0.938197
ENSMUSG00000014074.18,Rnf168,protein_coding	0.08299	0.573603
ENSMUSG00000036966.16,Spryd3,protein_coding	0.08293	0.770895
ENSMUSG00000025860.16,Xiap,protein_coding	0.08292	0.675369
ENSMUSG00000063931.15,Pepd,protein_coding	0.0829	0.707412
ENSMUSG00000067038.7,Rps12-ps3,transcribed_processed_pseudogene	0.0829	0.979352
ENSMUSG00000132024.1,ENSMUSG00000132024,lncRNA	0.0829	0.987218
ENSMUSG00002074930.1,Gm55678,misc_RNA	0.0829	0.979497
ENSMUSG00000121675.1,ENSMUSG00000121675,lncRNA	0.0829	0.980283
ENSMUSG00000140166.1,ENSMUSG00000140166,lncRNA	0.0829	0.981679
ENSMUSG00000062038.6,Gm10108,transcribed_processed_pseudogene	0.0829	0.983468
ENSMUSG00000060530.5,A930017M01Rik,transcribed_processed_pseudoge	0.0829	0.983833
ENSMUSG00000115576.2,Gm2675,lncRNA	0.0829	0.97718
ENSMUSG00000021342.15,Prl,protein_coding	0.0829	0.982819
ENSMUSG00000005442.14,Cic,protein_coding	0.08285	0.662795
ENSMUSG00000071656.8,Lrrn4cl,protein_coding	0.08283	0.871917
ENSMUSG00000021910.16,Nisch,protein_coding	0.08282	0.603606
ENSMUSG00000040167.17,Ikzf5,protein_coding	0.08278	0.64082
ENSMUSG00000106940.2,Gm42930,TEC	0.08277	0.782423
ENSMUSG00000040797.17,Iqsec3,protein_coding	0.08274	0.72853
ENSMUSG00000045102.13,Poln,protein_coding	0.08266	0.921493
ENSMUSG00000021660.15,Btf3,protein_coding	0.0826	0.82052
ENSMUSG00000090516.2,Rps11-ps1,processed_pseudogene	0.0826	0.931188
ENSMUSG00000030850.18,Ate1,protein_coding	0.08255	0.548458
ENSMUSG00000035456.10,Prdm8,protein_coding	0.08253	0.804868
ENSMUSG00000048794.15,Cfap100,protein_coding	0.0825	0.870062
ENSMUSG00000049047.12,Armcx3,protein_coding	0.08249	0.66514
ENSMUSG00000051243.15,Islr2,protein_coding	0.08248	0.802566
ENSMUSG00000066595.10,Flvcr1,protein_coding	0.08248	0.659293
ENSMUSG00000029475.18,Kdm2b,protein_coding	0.08248	0.758771
ENSMUSG00000127917.1,ENSMUSG00000127917,lncRNA	0.08246	0.760445
ENSMUSG00000059921.16,Unc5c,protein_coding	0.08245	0.743907
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ENSMUSG00000035027.19,Map2k2,protein_coding	0.08239	0.665158
ENSMUSG00000026816.15,Gtf3c5,protein_coding	0.08238	0.615861
ENSMUSG00000021209.13,Ppp4r4,protein_coding	0.08234	0.693282

ENSMUSG00000038485.7,Socs7,protein_coding	0.08232	0.669667
ENSMUSG00000047284.15,Neurl4,protein_coding	0.08229	0.677861
ENSMUSG00000019362.9,D8Ertd738e,protein_coding	0.08227	0.771573
ENSMUSG00000018547.9,Pip4k2b,protein_coding	0.08226	0.694908
ENSMUSG00000025393.13,Atp5f1b,protein_coding	0.08222	0.68364
ENSMUSG00000021987.10,Mtmr6,protein_coding	0.08221	0.680475
ENSMUSG00000052833.10,Sae1,protein_coding	0.08218	0.697865
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ENSMUSG00000036390.9,Gadd45a,protein_coding	0.08214	0.771892
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ENSMUSG00000005505.13,Kbtbd4,protein_coding	0.08203	0.640823
ENSMUSG00000025130.12,P4hb,protein_coding	0.08202	0.66855
ENSMUSG00000050357.10,Carmil2,protein_coding	0.08201	0.702335
ENSMUSG00000114860.3,Gm49291,lncRNA	0.08201	0.824459
ENSMUSG00000039100.11,Marchf6,protein_coding	0.08195	0.642871
ENSMUSG00000031659.14,Adcy7,protein_coding	0.08194	0.88309
ENSMUSG00000104324.2,Gm37320,TEC	0.08182	0.870545
ENSMUSG00000049493.14,Pls1,protein_coding	0.08182	0.7194
ENSMUSG00000024515.14,Smad4,protein_coding	0.08174	0.640316
ENSMUSG00000029599.14,Ddx54,protein_coding	0.08174	0.778328
ENSMUSG00000016559.15,H3f3b,protein_coding	0.08173	0.833457
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ENSMUSG00000030120.15,Mlf2,protein_coding	0.08167	0.747499
ENSMUSG00000024563.17,Smad2,protein_coding	0.08166	0.560585
ENSMUSG00000028405.10,Aco1,protein_coding	0.0816	0.585737
ENSMUSG00000020052.10,Ascl1,protein_coding	0.08156	0.84222
ENSMUSG00000029924.13,Slc37a3,protein_coding	0.08156	0.649028
ENSMUSG00000045216.8,Hs6st1,protein_coding	0.08154	0.593069
ENSMUSG00000038459.11,Abhd17c,protein_coding	0.08153	0.653392
ENSMUSG00000026764.16,Kif5c,protein_coding	0.08147	0.725319
ENSMUSG00000107658.2,Gm44958,processed_pseudogene	0.08147	0.888149
ENSMUSG00000017188.4,Coa3,protein_coding	0.08143	0.779286
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ENSMUSG00000042436.13,Mfap4,protein_coding	0.0814	0.872416
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ENSMUSG00000042308.15,Setd1a,protein_coding	0.08131	0.596669
ENSMUSG00000059534.9,Uqcr10,protein_coding	0.08129	0.777259
ENSMUSG00000018909.16,Arrb1,protein_coding	0.08124	0.7059
ENSMUSG00000076439.13,Mog,protein_coding	0.08124	0.713999
ENSMUSG00000022971.19,Ifnar2,protein_coding	0.08122	0.723986
ENSMUSG00000106993.2,Gm43417,TEC	0.0812	0.779947
ENSMUSG00000094724.9,Rnaset2b,protein_coding	0.0812	0.829723
ENSMUSG00000054733.10,Msra,protein_coding	0.08116	0.742303
ENSMUSG00000049106.8,Dcaf5,protein_coding	0.08111	0.613623
ENSMUSG00000121760.2,ENSMUSG00000121760,lncRNA	0.08108	0.846231
ENSMUSG00000029036.19,Atad3a,protein_coding	0.08107	0.734749
ENSMUSG00000045333.16,Zfp423,protein_coding	0.08105	0.782242

ENSMUSG00000021594.12,Srd5a1,protein_coding	0.08102	0.781862
ENSMUSG00000019087.14,Atp6ap1,protein_coding	0.08099	0.726814
ENSMUSG00000107134.2,Gm42528,TEC	0.08098	0.856721
ENSMUSG00000107804.2,Gm44439,TEC	0.08097	0.856306
ENSMUSG00000002058.14,Unc119,protein_coding	0.08095	0.843007
ENSMUSG00000020902.13,Ntn1,protein_coding	0.08088	0.835171
ENSMUSG00000086537.10,Gnasas1,lncRNA	0.08086	0.941222
ENSMUSG00000118401.2,Gpr52,protein_coding	0.08081	0.834717
ENSMUSG00000043969.5,Emx2,protein_coding	0.08074	0.860184
ENSMUSG00000021279.6,Cdc42bpb,protein_coding	0.08073	0.680634
ENSMUSG00000033287.18,Kctd17,protein_coding	0.08072	0.758709
ENSMUSG00000020134.14,Peli1,protein_coding	0.08072	0.631263
ENSMUSG00000038871.6,Bpgm,protein_coding	0.0807	0.687257
ENSMUSG00000025137.16,Pcyt2,protein_coding	0.08069	0.64531
ENSMUSG00000106386.2,Gm42991,TEC	0.08069	0.827814
ENSMUSG00000102672.2,Gm37105,TEC	0.08065	0.855549
ENSMUSG00000014592.23,Camta1,protein_coding	0.08057	0.599114
ENSMUSG00000137200.1,ENSMUSG00000137200,lncRNA	0.0805	0.872281
ENSMUSG00000030213.13,Atf7ip,protein_coding	0.08042	0.584216
ENSMUSG00000122947.1,ENSMUSG00000122947,lncRNA	0.08031	0.836261
ENSMUSG00000018541.11,Cwc25,protein_coding	0.08029	0.589123
ENSMUSG00000112317.2,Gm47580,TEC	0.08029	0.863593
ENSMUSG00000028420.14,Tmem38b,protein_coding	0.08024	0.747307
ENSMUSG00000058153.16,Sez6l,protein_coding	0.0802	0.724096
ENSMUSG00000067224.4,Gm3695,processed_pseudogene	0.08018	0.892195
ENSMUSG00000037353.10,Letmd1,protein_coding	0.08008	0.632059
ENSMUSG00000046523.6,Kctd4,protein_coding	0.08006	0.80464
ENSMUSG00000038208.14,Pgap3,protein_coding	0.08005	0.825867
ENSMUSG00000090659.10,Zfp493,protein_coding	0.08003	0.797947
ENSMUSG00000064719.3,Gm25930,snRNA	0.08001	0.866316
ENSMUSG00000035509.18,Fbxl21,protein_coding	0.07999	0.773534
ENSMUSG00000035203.17,Epn1,protein_coding	0.07992	0.704236
ENSMUSG00000026609.16,Ush2a,protein_coding	0.07991	0.871369
ENSMUSG00000050954.16,Zfp169,protein_coding	0.07989	0.580713
ENSMUSG00000104661.2,Gm42768,TEC	0.07987	0.828979
ENSMUSG00000021192.17,Golga5,protein_coding	0.07984	0.626713
ENSMUSG00000024206.16,Rfx2,protein_coding	0.0798	0.800919
ENSMUSG00000028958.16,Tmub1,protein_coding	0.07978	0.749538
ENSMUSG00000034612.8,Chst11,protein_coding	0.07975	0.624244
ENSMUSG00000023911.13,Flywch2,protein_coding	0.07975	0.86855
ENSMUSG00000079509.11,Zfx,protein_coding	0.07973	0.741493
ENSMUSG00000030513.15,Pcsk6,protein_coding	0.07972	0.770018
ENSMUSG00000024535.17,Snx24,protein_coding	0.07972	0.717931
ENSMUSG00000067787.11,Blcap,protein_coding	0.07971	0.681281
ENSMUSG00000006288.9,Ttc5,protein_coding	0.07971	0.545981
ENSMUSG00000030844.12,Rgs10,protein_coding	0.07969	0.749794
ENSMUSG00000003031.15,Cdkn1b,protein_coding	0.07968	0.751249
ENSMUSG00000001143.14,Lman2l,protein_coding	0.07964	0.571878
ENSMUSG00000105719.2,Gm42872,TEC	0.07964	0.830643
ENSMUSG00000042606.10,Hirip3,protein_coding	0.0796	0.77944
ENSMUSG00000073131.13,Vma21,protein_coding	0.07954	0.768885
ENSMUSG00000001802.17,Lrp3,protein_coding	0.07948	0.750002

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ENSMUSG00000032178.15,Ilf3,protein_coding	0.07947	0.477103
ENSMUSG00000045414.8,Dipk2a,protein_coding	0.07945	0.850038
ENSMUSG00000036854.15,Hspb6,protein_coding	0.07944	0.861076
ENSMUSG00000020656.17,Grhl1,protein_coding	0.07942	0.780147
ENSMUSG00000001288.16,Rarg,protein_coding	0.0794	0.763136
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ENSMUSG00000006731.11,B4galnt1,protein_coding	0.0793	0.651912
ENSMUSG00000086992.8,Gm15941,lncRNA	0.0793	0.856945
ENSMUSG00000006307.17,Kmt2b,protein_coding	0.07928	0.686144
ENSMUSG00000074715.4,Ccl28,protein_coding	0.07926	0.886783
ENSMUSG00000011832.17,Evi5l,protein_coding	0.07923	0.740496
ENSMUSG00000052752.16,Traf7,protein_coding	0.07923	0.657635
ENSMUSG00000097275.3,Gm26648,lncRNA	0.07922	0.900194
ENSMUSG00000062867.14,Impdh2,protein_coding	0.07917	0.841678
ENSMUSG00000010057.9,Nprl2,protein_coding	0.07914	0.798035
ENSMUSG00000078126.5,Rpl23a-ps3,processed_pseudogene	0.07912	0.836025
ENSMUSG00000113650.2,Gm47826,TEC	0.07907	0.775578
ENSMUSG00000041438.9,Utp4,protein_coding	0.07906	0.765331
ENSMUSG00000110564.2,Gm45697,TEC	0.07902	0.869925
ENSMUSG00000045288.11,Ush1g,protein_coding	0.07901	0.924032
ENSMUSG00000121251.2,D030016M11Rik,lncRNA	0.079	0.860502
ENSMUSG00000000420.16,Galnt1,protein_coding	0.07898	0.701725
ENSMUSG00000119296.1,Gm22252,snoRNA	0.07898	0.897749
ENSMUSG00000038374.11,Rbm8a,protein_coding	0.07898	0.680797
ENSMUSG00000023904.11,Hcfc1r1,protein_coding	0.07895	0.804141
ENSMUSG00000112945.3,Gm32151,lncRNA	0.07892	0.828392
ENSMUSG00000020300.15,Cpeb4,protein_coding	0.07886	0.740514
ENSMUSG00000105922.2,Gm42769,TEC	0.07886	0.841376
ENSMUSG00000097527.5,1700112J16Rik,lncRNA	0.07886	0.884231
ENSMUSG00000021102.5,Glrx5,protein_coding	0.07885	0.74892
ENSMUSG00000115783.4,Bc1,lncRNA	0.07883	0.829983
ENSMUSG00000117604.3,Gm33228,lncRNA	0.07879	0.784037
ENSMUSG00000037275.15,Gemin5,protein_coding	0.07878	0.759203
ENSMUSG00000108447.2,Gm44567,TEC	0.07875	0.819854
ENSMUSG00000025503.6,Taldo1,protein_coding	0.07871	0.735889
ENSMUSG00000049091.8,Sephs2,protein_coding	0.07871	0.689507
ENSMUSG00000120573.2,Gm57291,lncRNA	0.07871	0.911486
ENSMUSG00000027221.6,Chst1,protein_coding	0.07867	0.787706
ENSMUSG00000107688.2,Gm44091,lncRNA	0.07867	0.86509
ENSMUSG00000033446.8,Lpar6,protein_coding	0.07866	0.813025
ENSMUSG00000087598.10,Zfp111,protein_coding	0.07861	0.706714
ENSMUSG00000029088.17,Kcnip4,protein_coding	0.07856	0.742794
ENSMUSG00000063887.14,Nlgn1,protein_coding	0.07855	0.719
ENSMUSG00000117322.3,6330415G19Rik,lncRNA	0.07853	0.884473
ENSMUSG00000023939.8,Mrpl14,protein_coding	0.07847	0.859156
ENSMUSG00000069814.7,Ccdc92b,protein_coding	0.07846	0.75854
ENSMUSG00000120081.1,Gm57354,lncRNA	0.07843	0.690075
ENSMUSG00000114707.2,Gm47558,TEC	0.07842	0.806261
ENSMUSG00000022946.11,Dop1b,protein_coding	0.0784	0.631084
ENSMUSG00000066306.14,Numa1,protein_coding	0.07839	0.670208
ENSMUSG00000032641.19,Gpr19,protein_coding	0.07838	0.74662

ENSMUSG00000116298.2,4833412C15Rik,TEC	0.07835	0.831542
ENSMUSG00000009585.19,Apobec3,protein_coding	0.07832	0.929281
ENSMUSG00000003541.7,Ier3,protein_coding	0.07819	0.825982
ENSMUSG00000033623.14,Pcgf3,protein_coding	0.07815	0.625299
ENSMUSG00000040177.11,2310057M21Rik,protein_coding	0.07814	0.547868
ENSMUSG00000055932.16,Fto,protein_coding	0.07813	0.570282
ENSMUSG00000036606.18,Plxnb2,protein_coding	0.0781	0.739507
ENSMUSG00000020882.19,Cacnb1,protein_coding	0.07805	0.841903
ENSMUSG00000024350.7,Dnajc18,protein_coding	0.07802	0.612749
ENSMUSG00000029364.16,Wsb2,protein_coding	0.0779	0.723167
ENSMUSG00000028657.15,Ppt1,protein_coding	0.0779	0.542649
ENSMUSG00000049971.18,Glt1d1,protein_coding	0.07786	0.808443
ENSMUSG00000025377.15,Tepsin,protein_coding	0.07782	0.757144
ENSMUSG00000009863.15,Sdhb,protein_coding	0.07782	0.714574
ENSMUSG00000057130.13,Txnl4a,protein_coding	0.07778	0.707563
ENSMUSG00000132705.1,ENSMUSG00000132705,lncRNA	0.07778	0.945623
ENSMUSG00000029033.17,Acap3,protein_coding	0.07772	0.78103
ENSMUSG00000039838.12,Slc45a1,protein_coding	0.07772	0.755961
ENSMUSG00000118792.1,Gm25229,snoRNA	0.07772	0.904986
ENSMUSG00000036054.16,Sugp2,protein_coding	0.07771	0.666098
ENSMUSG00000024121.14,Atp6v0c,protein_coding	0.0777	0.789428
ENSMUSG00000049571.19,Cfap46,protein_coding	0.07768	0.823596
ENSMUSG00000021087.19,Rtn1,protein_coding	0.07765	0.753691
ENSMUSG00000047417.19,Rexo1,protein_coding	0.07765	0.686615
ENSMUSG00000022663.4,Atg3,protein_coding	0.07762	0.580127
ENSMUSG00000004665.11,Cnn2,protein_coding	0.07756	0.914272
ENSMUSG00000020668.11,Kif3c,protein_coding	0.07752	0.748561
ENSMUSG00000049866.13,Arl4c,protein_coding	0.07751	0.701604
ENSMUSG00000043388.9,Tmem130,protein_coding	0.07748	0.856501
ENSMUSG00000034998.19,Foxn2,protein_coding	0.07748	0.816479
ENSMUSG00000022841.16,Ap2m1,protein_coding	0.07745	0.779882
ENSMUSG00000110282.2,B930086L07Rik,TEC	0.07741	0.857679
ENSMUSG00000013622.16,Atraid,protein_coding	0.07741	0.758793
ENSMUSG00000005089.16,Slc1a2,protein_coding	0.07738	0.778901
ENSMUSG00000002635.12,Pdcd2l,protein_coding	0.07737	0.830507
ENSMUSG00000019302.18,Atp6v0a1,protein_coding	0.07733	0.71624
ENSMUSG00000024953.18,Prdx5,protein_coding	0.07723	0.754741
ENSMUSG00000082229.2,Nap1l2,protein_coding	0.07714	0.698939
ENSMUSG00000022469.18,Rapgef3,protein_coding	0.07714	0.745267
ENSMUSG00000027573.12,Gid8,protein_coding	0.07712	0.632214
ENSMUSG00000030000.11,Add2,protein_coding	0.07708	0.784024
ENSMUSG00000026927.18,Entr1,protein_coding	0.07707	0.609205
ENSMUSG00000042178.7,Armc5,protein_coding	0.07704	0.762157
ENSMUSG00000055745.5,Rtl6,protein_coding	0.07703	0.798833
ENSMUSG00000022314.11,Rad21,protein_coding	0.07702	0.714267
ENSMUSG00000033998.10,Kcnk1,protein_coding	0.07699	0.777443
ENSMUSG00000030763.8,Lcmt1,protein_coding	0.07698	0.72346
ENSMUSG00000018507.17,Trpv2,protein_coding	0.07698	0.816769
ENSMUSG00000084319.4,Tpt1-ps3,transcribed_processed_pseudogene	0.07696	0.906368
ENSMUSG00000034245.11,Hdac11,protein_coding	0.07696	0.804818
ENSMUSG00000038831.17,Ralgps1,protein_coding	0.07693	0.662033
ENSMUSG00000013539.15,Tango2,protein_coding	0.0769	0.689258

ENSMUSG00000058064.7,Gm10036,processed_pseudogene	0.07688	0.93619
ENSMUSG00000038861.15,Pi4kb,protein_coding	0.07687	0.610041
ENSMUSG00000043384.16,Gprasp1,protein_coding	0.07676	0.758095
ENSMUSG00000019210.11,Atp6v1e1,protein_coding	0.07672	0.746094
ENSMUSG00000022890.14,Atp5pf,protein_coding	0.07672	0.730741
ENSMUSG00000038429.11,Usp5,protein_coding	0.07669	0.759
ENSMUSG00000066721.4,Zfp575,protein_coding	0.07668	0.844533
ENSMUSG00000004151.18,Etv1,protein_coding	0.07663	0.886409
ENSMUSG00000120282.2,Gm56738,lncRNA	0.07655	0.904953
ENSMUSG00000033417.17,Cacul1,protein_coding	0.07655	0.643381
ENSMUSG00000027455.17,Nsfl1c,protein_coding	0.07655	0.662044
ENSMUSG00000117648.3,Gm32282,lncRNA	0.0765	0.909764
ENSMUSG00000072694.9,Gm57857,protein_coding	0.07649	0.707667
ENSMUSG00000060798.8,Intu,protein_coding	0.07645	0.697939
ENSMUSG00000001127.13,Araf,protein_coding	0.0764	0.572827
ENSMUSG00000015837.16,Sqstm1,protein_coding	0.07638	0.729071
ENSMUSG00000034430.17,Zxdc,protein_coding	0.07634	0.612965
ENSMUSG00000043587.16,Pxylp1,protein_coding	0.07631	0.813526
ENSMUSG00000024098.7,Twsg1,protein_coding	0.07624	0.768482
ENSMUSG00000091511.4,Vmn2r87,protein_coding	0.07624	0.845725
ENSMUSG00000003604.15,Aven,protein_coding	0.07607	0.759337
ENSMUSG00000102440.2,Pcdhga9,protein_coding	0.07606	0.748832
ENSMUSG00000041658.13,Rragb,protein_coding	0.07605	0.70647
ENSMUSG00000030986.14,Dhx32,protein_coding	0.07604	0.725633
ENSMUSG00000059811.14,Atl2,protein_coding	0.07598	0.735505
ENSMUSG00000027593.16,Raly,protein_coding	0.0759	0.720412
ENSMUSG00000022962.16,Gart,protein_coding	0.07586	0.860835
ENSMUSG00000034994.11,Eef2,protein_coding	0.07581	0.773514
ENSMUSG00000062328.9,Rpl17,protein_coding	0.07573	0.865113
ENSMUSG00000030802.15,Bckdk,protein_coding	0.07567	0.686836
ENSMUSG00000074673.16,Ttll9,protein_coding	0.07567	0.890798
ENSMUSG00000002981.11,Clptm1,protein_coding	0.07563	0.706294
ENSMUSG00000029461.18,Fam168a,protein_coding	0.07558	0.654039
ENSMUSG00000022240.11,Ctnnd2,protein_coding	0.07557	0.744786
ENSMUSG00000022550.19,Adck5,protein_coding	0.07556	0.792022
ENSMUSG00000026176.14,Ctdsp1,protein_coding	0.07545	0.790804
ENSMUSG00000017861.12,Mybl2,protein_coding	0.07539	0.940146
ENSMUSG00000025410.11,Dctn2,protein_coding	0.07537	0.666634
ENSMUSG00000032826.20,Ank2,protein_coding	0.07536	0.676825
ENSMUSG00000119446.1,Gm25121,snoRNA	0.07535	0.900112
ENSMUSG00000081264.2,Gm14021,processed_pseudogene	0.07534	0.850377
ENSMUSG00000010914.11,Pdhx,protein_coding	0.07531	0.624596
ENSMUSG00000044496.7,2510039O18Rik,protein_coding	0.07529	0.737713
ENSMUSG00000038552.15,Fndc4,protein_coding	0.07523	0.761182
ENSMUSG00000027589.15,Pcmtd2,protein_coding	0.07518	0.719308
ENSMUSG00000028179.13,Cth,protein_coding	0.07514	0.944283
ENSMUSG00000031256.12,Cstf2,protein_coding	0.07505	0.55931
ENSMUSG00000117813.2,Gm5823,processed_pseudogene	0.07504	0.881171
ENSMUSG00000099931.2,Gm29358,lncRNA	0.07504	0.840298
ENSMUSG00000091764.5,Zfp964,protein_coding	0.07502	0.781629
ENSMUSG00000014782.17,Plekhg4,protein_coding	0.07496	0.861228
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ENSMUSG00000021731.11,Mrps30,protein_coding	0.07494	0.717159
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ENSMUSG00000020263.15,Appl2,protein_coding	0.0749	0.828972
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ENSMUSG00000066900.12,Suds3,protein_coding	0.07488	0.60181
ENSMUSG00000098051.3,Gm27032,lncRNA	0.07484	0.82756
ENSMUSG00002076601.1,Scarna13,scaRNA	0.07481	0.794065
ENSMUSG00000028863.14,Meaf6,protein_coding	0.07479	0.713973
ENSMUSG00000039648.15,Kyat1,protein_coding	0.07479	0.76483
ENSMUSG00000121458.2,AW822252,lncRNA	0.07474	0.863345
ENSMUSG00000012443.5,Kif11,protein_coding	0.0747	0.955749
ENSMUSG00000018446.9,C1qbp,protein_coding	0.0747	0.811629
ENSMUSG00000097316.4,Gm10516,lncRNA	0.07468	0.772702
ENSMUSG00000109481.2,Gm45130,TEC	0.07466	0.862683
ENSMUSG00000058297.17,Spock2,protein_coding	0.07464	0.742717
ENSMUSG00000064768.3,Snord60,snoRNA	0.07463	0.927664
ENSMUSG00000118125.2,Gm50387,protein_coding	0.07453	0.731544
ENSMUSG00000056941.18,Commd7,protein_coding	0.07453	0.668644
ENSMUSG00000022940.18,Pigp,protein_coding	0.07453	0.768744
ENSMUSG00000041570.15,Camsap2,protein_coding	0.07452	0.689667
ENSMUSG00000038467.16,Chmp4b,protein_coding	0.07448	0.70017
ENSMUSG00000027406.14,Idh3b,protein_coding	0.07447	0.637459
ENSMUSG00000044674.7,Fzd1,protein_coding	0.07443	0.810038
ENSMUSG00000053046.17,Brsk2,protein_coding	0.07443	0.752613
ENSMUSG00000022847.16,Thpo,protein_coding	0.07436	0.862891
ENSMUSG00000020088.11,Sar1a,protein_coding	0.07431	0.610997
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ENSMUSG00000045078.13,Rnf216,protein_coding	0.07413	0.59986
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ENSMUSG00000060743.13,H3f3a,protein_coding	0.07408	0.832007
ENSMUSG00000044933.4,Sstr3,protein_coding	0.07403	0.806273
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ENSMUSG00000017774.20,Myo1c,protein_coding	0.07397	0.837598
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ENSMUSG00000032590.15,Apeh,protein_coding	0.0739	0.80421
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ENSMUSG00000004366.5,Sst,protein_coding	0.07388	0.849498
ENSMUSG00000045411.17,2410002F23Rik,protein_coding	0.07384	0.724342
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ENSMUSG00000033126.6,Ybey,protein_coding	0.07381	0.76333
ENSMUSG00000026925.17,Inpp5e,protein_coding	0.07374	0.659943
ENSMUSG00000032382.15,Snx1,protein_coding	0.07371	0.673586
ENSMUSG00000062729.13,Ppox,protein_coding	0.0737	0.761457
ENSMUSG00000027350.9,Chgb,protein_coding	0.07369	0.748416
ENSMUSG00000036777.9,Anln,protein_coding	0.07369	0.803429
ENSMUSG00000015222.19,Map2,protein_coding	0.07365	0.750155
ENSMUSG00000023046.7,Igfbp6,protein_coding	0.07361	0.822005
ENSMUSG00000076432.14,Ywhaq,protein_coding	0.07357	0.644034

ENSMUSG00000068270.16,Shroom4,protein_coding	0.07357	0.735307
ENSMUSG00000020402.12,Vdac1,protein_coding	0.07356	0.747985
ENSMUSG00000018931.4,Natd1,protein_coding	0.07355	0.724169
ENSMUSG00000075703.17,Selenoi,protein_coding	0.07353	0.564796
ENSMUSG00000043154.16,Ppp2r3a,protein_coding	0.07352	0.678881
ENSMUSG00000071719.3,Nalf2,protein_coding	0.07352	0.779772
ENSMUSG00000027646.16,Src,protein_coding	0.07349	0.779608
ENSMUSG00000029463.6,Fam216a,protein_coding	0.07349	0.766248
ENSMUSG00000022365.7,Derl1,protein_coding	0.07343	0.74191
ENSMUSG00000102919.2,Gm37726,TEC	0.07338	0.916329
ENSMUSG00000022329.16,Stk3,protein_coding	0.07335	0.786966
ENSMUSG00000046841.7,Ckap4,protein_coding	0.07334	0.699253
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ENSMUSG00000008822.16,Acyp1,protein_coding	0.07331	0.81446
ENSMUSG00000028466.17,Creb3,protein_coding	0.07325	0.748453
ENSMUSG00000028729.16,Ebna1bp2,protein_coding	0.07324	0.568226
ENSMUSG00000115686.2,Gm49310,TEC	0.07319	0.846857
ENSMUSG00000121238.2,Stk35os1,lncRNA	0.07318	0.793973
ENSMUSG00000027624.21,Epb41l1,protein_coding	0.07316	0.738207
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ENSMUSG00000036698.12,Ago2,protein_coding	0.07311	0.551914
ENSMUSG00000028952.13,Zbtb48,protein_coding	0.07311	0.816171
ENSMUSG00000103220.2,Gm37728,TEC	0.07309	0.816257
ENSMUSG00000020422.15,Tns3,protein_coding	0.07309	0.619641
ENSMUSG00000028760.18,Eif4g3,protein_coding	0.07306	0.556219
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ENSMUSG00000039206.14,Daglb,protein_coding	0.07303	0.63724
ENSMUSG00000032908.10,Sgpp2,protein_coding	0.07301	0.781293
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ENSMUSG00000066640.12,Fbxl18,protein_coding	0.07299	0.665234
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ENSMUSG00000043090.19,Zfp866,protein_coding	0.07289	0.598822
ENSMUSG00000063888.8,Rpl7l1,protein_coding	0.07288	0.750666
ENSMUSG00000055296.15,Tmem245,protein_coding	0.07281	0.643163
ENSMUSG00000035246.17,Pcyt1b,protein_coding	0.07277	0.724212
ENSMUSG00000113808.2,Gm47988,TEC	0.07277	0.8954
ENSMUSG00000027291.16,Vps39,protein_coding	0.07276	0.634729
ENSMUSG00000043505.9,Gimap5,protein_coding	0.07269	0.947892
ENSMUSG00000021360.17,Gcnt2,protein_coding	0.07267	0.85782
ENSMUSG00000041035.10,Dpcd,protein_coding	0.07263	0.838861
ENSMUSG00000035372.3,1810055G02Rik,protein_coding	0.07259	0.759466
ENSMUSG00000038646.14,Ramac,protein_coding	0.07256	0.77003
ENSMUSG00000068264.12,Ap5s1,protein_coding	0.07256	0.856058
ENSMUSG00000021486.8,Prelid1,protein_coding	0.07253	0.753858
ENSMUSG00000031545.7,Gpat4,protein_coding	0.07251	0.632443
ENSMUSG00000020695.15,Mrc2,protein_coding	0.07251	0.820859
ENSMUSG00000023011.9,Faim2,protein_coding	0.07248	0.786765
ENSMUSG00000031320.10,Rps4x,protein_coding	0.07244	0.88988
ENSMUSG00000019857.8,Asf1a,protein_coding	0.07244	0.795979
ENSMUSG00000001829.18,Clpb,protein_coding	0.07243	0.710151
ENSMUSG00000052997.16,Uba2,protein_coding	0.07241	0.669723
ENSMUSG00000103916.2,Gm38071,TEC	0.07241	0.856269

ENSMUSG00000009905.6,Kdsr,protein_coding	0.07239	0.615837
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ENSMUSG00000034171.14,Faah,protein_coding	0.07218	0.766483
ENSMUSG00000063687.4,Pcdhb5,protein_coding	0.07215	0.805267
ENSMUSG00000052135.9,Foxo6,protein_coding	0.07212	0.895717
ENSMUSG00000054199.19,Gon4l,protein_coding	0.07211	0.635551
ENSMUSG00000139788.1,ENSMUSG00000139788,lncRNA	0.07208	0.873663
ENSMUSG00000058897.19,Col25a1,protein_coding	0.07206	0.822868
ENSMUSG00000054256.12,Msi1,protein_coding	0.07206	0.750681
ENSMUSG00000041747.4,Utp15,protein_coding	0.07202	0.658266
ENSMUSG00000020570.16,Sypl1,protein_coding	0.07192	0.834089
ENSMUSG00000089669.8,Tnfsf13,protein_coding	0.07191	0.901911
ENSMUSG00000000805.19,Car4,protein_coding	0.07184	0.872858
ENSMUSG00000035067.10,Xkr6,protein_coding	0.07177	0.839716
ENSMUSG00000102953.2,Gm37019,TEC	0.07176	0.844165
ENSMUSG00000035776.15,Cd99l2,protein_coding	0.07174	0.773992
ENSMUSG00000053714.11,4732471J01Rik,lncRNA	0.07172	0.707947
ENSMUSG00000053040.14,Aph1c,protein_coding	0.07172	0.742335
ENSMUSG00000028800.16,Hdac1,protein_coding	0.07166	0.869385
ENSMUSG00000020803.4,Txndc17,protein_coding	0.07166	0.79996
ENSMUSG00000045482.17,Trrap,protein_coding	0.07162	0.660341
ENSMUSG00000036896.6,C1qc,protein_coding	0.0716	0.930896
ENSMUSG00000038486.10,Sv2a,protein_coding	0.07159	0.777928
ENSMUSG00000053214.9,Gm9899,lncRNA	0.07159	0.808485
ENSMUSG00000039697.17,Ncoa7,protein_coding	0.07159	0.619143
ENSMUSG00000020898.19,Ctc1,protein_coding	0.07157	0.736603
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ENSMUSG00000042472.12,Zfp410,protein_coding	0.07147	0.746944
ENSMUSG00000039004.7,Bmp6,protein_coding	0.07147	0.816331
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ENSMUSG00000025026.16,Add3,protein_coding	0.07134	0.66203
ENSMUSG00000103585.2,Pcdhgb4,protein_coding	0.07132	0.827254
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ENSMUSG00000026123.12,Plekhb2,protein_coding	0.07124	0.714411
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ENSMUSG00000020717.20,Pecam1,protein_coding	0.07114	0.752274
ENSMUSG00000034892.9,Rps29,protein_coding	0.07113	0.855085
ENSMUSG00000031347.13,Cetn2,protein_coding	0.07107	0.794583
ENSMUSG00000070713.6,Hmgn2-ps,protein_coding	0.07105	0.902147
ENSMUSG00000044641.8,Pard6b,protein_coding	0.07104	0.764009
ENSMUSG00000020886.18,Dlg4,protein_coding	0.07102	0.806808
ENSMUSG00000053838.15,Nudcd3,protein_coding	0.07102	0.693433
ENSMUSG00000033916.6,Chmp2a,protein_coding	0.07099	0.740201
ENSMUSG00000062248.6,Cks2,protein_coding	0.07099	0.952508
ENSMUSG00000049539.4,H1f1,protein_coding	0.07099	0.949758
ENSMUSG00000081339.2,Gm16044,processed_pseudogene	0.07098	0.89335
ENSMUSG00000034758.13,Tle6,protein_coding	0.07093	0.879377
ENSMUSG00000032386.16,Trip4,protein_coding	0.07092	0.610764
ENSMUSG00000056602.14,Fry,protein_coding	0.07091	0.682668
ENSMUSG00000109940.2,Gm45399,TEC	0.07087	0.938554

ENSMUSG00000045328.12,Cenpe,protein_coding	0.07085	0.954668
ENSMUSG00000000605.10,Clcn4,protein_coding	0.07083	0.690821
ENSMUSG00000003131.8,Pafah1b2,protein_coding	0.07082	0.666083
ENSMUSG00000131992.1,ENSMUSG00000131992,lncRNA	0.0708	0.871185
ENSMUSG00000119817.1,Gm24862,snoRNA	0.07072	0.915875
ENSMUSG00000119397.1,Gm23310,snoRNA	0.07072	0.915875
ENSMUSG00000119410.1,Gm25461,snoRNA	0.07072	0.915875
ENSMUSG00000038756.14,Ttll6,protein_coding	0.0706	0.940998
ENSMUSG00000089715.13,Cbx6,protein_coding	0.0706	0.759569
ENSMUSG00000107145.2,Gm43442,processed_pseudogene	0.07059	0.952641
ENSMUSG00000021520.5,Uqcrb,protein_coding	0.07057	0.74479
ENSMUSG00000030720.17,Cln3,protein_coding	0.07051	0.792454
ENSMUSG00000109640.2,Gm45413,TEC	0.0704	0.804954
ENSMUSG00000053693.17,Mast1,protein_coding	0.0704	0.785443
ENSMUSG00000083744.2,Gm14824,processed_pseudogene	0.07024	0.833173
ENSMUSG00000032324.12,Tspan3,protein_coding	0.07012	0.694736
ENSMUSG00000041440.19,Gk5,protein_coding	0.07011	0.767571
ENSMUSG00000031154.16,Otud5,protein_coding	0.07009	0.575934
ENSMUSG00000020738.17,Sumo2,protein_coding	0.06999	0.813197
ENSMUSG00000082035.2,Rpl17-ps8,transcribed_processed_pseudogene	0.06999	0.873895
ENSMUSG00000102900.2,Gm37811,TEC	0.06996	0.873754
ENSMUSG00000019877.11,Serinc1,protein_coding	0.06995	0.772269
ENSMUSG00000020914.18,Top2a,protein_coding	0.06989	0.963309
ENSMUSG00000056598.18,Drc3,protein_coding	0.06987	0.857594
ENSMUSG00000032867.9,Fbxw8,protein_coding	0.06982	0.698187
ENSMUSG00000021646.10,Mccc2,protein_coding	0.06981	0.755329
ENSMUSG00000074212.8,Dnajb14,protein_coding	0.06967	0.694993
ENSMUSG00000087687.4,Pet100,protein_coding	0.06965	0.746852
ENSMUSG00000026479.14,Lamc2,protein_coding	0.0696	0.833415
ENSMUSG00000026798.11,Coq4,protein_coding	0.06955	0.79966
ENSMUSG00000016510.12,Mtif3,protein_coding	0.06947	0.765147
ENSMUSG00000032288.10,Imp3,protein_coding	0.06943	0.81037
ENSMUSG00000019810.16,Fuca2,protein_coding	0.06938	0.704744
ENSMUSG00000030322.13,Mbd4,protein_coding	0.06932	0.854439
ENSMUSG00000020840.11,Blmh,protein_coding	0.06932	0.733424
ENSMUSG00000040097.17,Flywch1,protein_coding	0.0693	0.797428
ENSMUSG00000045257.11,Morn2,protein_coding	0.06925	0.85936
ENSMUSG00000022369.14,Mtbp,protein_coding	0.06917	0.926342
ENSMUSG00000031134.17,Rbmx,protein_coding	0.06913	0.683949
ENSMUSG00000044627.12,Swi5,protein_coding	0.06905	0.621573
ENSMUSG00000063239.18,Grm4,protein_coding	0.06904	0.89147
ENSMUSG00000025280.9,Polr3a,protein_coding	0.06901	0.673357
ENSMUSG00000117300.2,Gm18736,processed_pseudogene	0.06898	0.892962
ENSMUSG00000040843.11,Tiprl,protein_coding	0.06888	0.631834
ENSMUSG00000031156.19,Slc35a2,protein_coding	0.06887	0.757786
ENSMUSG00000004268.12,Emg1,protein_coding	0.06887	0.777693
ENSMUSG00000027709.10,Mccc1,protein_coding	0.06886	0.792888
ENSMUSG00000034432.12,Cops8,protein_coding	0.06884	0.663457
ENSMUSG00000040102.11,Klhl42,protein_coding	0.06875	0.642182
ENSMUSG00000085024.4,C230035I16Rik,lncRNA	0.06875	0.916242
ENSMUSG00000023274.15,Cd4,protein_coding	0.06869	0.955736
ENSMUSG00000039473.9,Ubn1,protein_coding	0.06864	0.542174

ENSMUSG00000070934.7,Rraga,protein_coding	0.06863	0.734749
ENSMUSG00000029128.13,Rab28,protein_coding	0.06863	0.686901
ENSMUSG00000004568.14,Arhgef18,protein_coding	0.06861	0.726695
ENSMUSG00000040746.16,Rnf167,protein_coding	0.06859	0.688585
ENSMUSG00000084998.3,Gm16279,lncRNA	0.06859	0.944243
ENSMUSG00000024335.21,Brd2,protein_coding	0.06858	0.607081
ENSMUSG00000030216.13,Wbp11,protein_coding	0.06855	0.627062
ENSMUSG00000003948.18,Mmd,protein_coding	0.0685	0.848934
ENSMUSG00000046679.17,C87436,protein_coding	0.0684	0.630048
ENSMUSG00000029163.10,Emilin1,protein_coding	0.06836	0.894966
ENSMUSG00000020185.17,E2f7,protein_coding	0.06834	0.954033
ENSMUSG00000040187.16,Bmal2,protein_coding	0.06832	0.881642
ENSMUSG00000031144.16,Syp,protein_coding	0.06828	0.820692
ENSMUSG00000048175.14,Asb8,protein_coding	0.06828	0.700353
ENSMUSG00000108732.2,2310043P16Rik,TEC	0.06823	0.942014
ENSMUSG00000020198.9,Ap3d1,protein_coding	0.06817	0.662238
ENSMUSG00000027533.11,Fabp5,protein_coding	0.06817	0.774366
ENSMUSG00000030741.16,Spns1,protein_coding	0.06814	0.7668
ENSMUSG00000048330.15,Ric3,protein_coding	0.06813	0.69352
ENSMUSG00000102813.2,Gm37795,TEC	0.0681	0.807761
ENSMUSG00000034247.10,Plekhm1,protein_coding	0.06808	0.738072
ENSMUSG00000025395.16,Prim1,protein_coding	0.06805	0.892119
ENSMUSG00000117729.2,Gm5242,processed_pseudogene	0.06804	0.869994
ENSMUSG00000020704.14,Asic2,protein_coding	0.06802	0.773724
ENSMUSG00000138082.1,ENSMUSG00000138082,lncRNA	0.06801	0.827686
ENSMUSG00000096916.8,Zfp850,protein_coding	0.06793	0.834611
ENSMUSG00000038806.8,Sde2,protein_coding	0.06791	0.661794
ENSMUSG00000034832.16,Tet3,protein_coding	0.06787	0.700621
ENSMUSG00000001098.16,Kctd10,protein_coding	0.06779	0.650753
ENSMUSG00000061136.17,Prpf40a,protein_coding	0.06777	0.832356
ENSMUSG00000101892.2,9130401M01Rik,protein_coding	0.06776	0.750252
ENSMUSG00000114133.2,Btf3l4b,protein_coding	0.06774	0.824677
ENSMUSG00000031458.9,Coprs,protein_coding	0.06772	0.841824
ENSMUSG00000026869.13,Psmd5,protein_coding	0.06768	0.687433
ENSMUSG00000062376.8,Borcs7,protein_coding	0.06764	0.741096
ENSMUSG00000030733.11,Sh2b1,protein_coding	0.06761	0.81215
ENSMUSG00000103924.2,Gm37895,TEC	0.06761	0.870209
ENSMUSG00000113106.2,Gm47139,TEC	0.0675	0.856863
ENSMUSG00000001729.15,Akt1,protein_coding	0.06749	0.723199
ENSMUSG00000024165.10,Jpt2,protein_coding	0.06745	0.918111
ENSMUSG00000005986.17,Ankrd13d,protein_coding	0.06741	0.827913
ENSMUSG00000004630.19,Pcp2,protein_coding	0.06737	0.939558
ENSMUSG00000092730.3,Snora24,snoRNA	0.06734	0.921938
ENSMUSG00000038319.15,Kcnh2,protein_coding	0.06727	0.863708
ENSMUSG00000016262.15,Sertad4,protein_coding	0.06723	0.841462
ENSMUSG00000031924.5,Cyb5b,protein_coding	0.06721	0.643464
ENSMUSG00000111030.2,Gm47234,TEC	0.06721	0.879414
ENSMUSG00000027996.14,Sfrp2,protein_coding	0.0672	0.883212
ENSMUSG00002076696.1,Gm54507,snoRNA	0.06717	0.962719
ENSMUSG00000044505.6,Lingo4,protein_coding	0.0671	0.899007
ENSMUSG00000042225.4,Ammecr1,protein_coding	0.0671	0.892525
ENSMUSG00000038025.9,Phf2,protein_coding	0.06708	0.681073

ENSMUSG00000035270.16,Impg2,protein_coding	0.06699	0.798389
ENSMUSG00000042331.14,Specc1,protein_coding	0.06697	0.716062
ENSMUSG00000090449.2,Gm17076,processed_pseudogene	0.06697	0.896343
ENSMUSG00000024095.17,Hnrnpll,protein_coding	0.06695	0.761272
ENSMUSG00000083327.2,Vcp-rs,processed_pseudogene	0.06695	0.837323
ENSMUSG00000028936.16,Rpl22,protein_coding	0.06694	0.869855
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ENSMUSG00000028467.16,Gba2,protein_coding	0.06687	0.788951
ENSMUSG00000030557.18,Mef2a,protein_coding	0.06684	0.709787
ENSMUSG00000029104.16,Htt,protein_coding	0.06681	0.593698
ENSMUSG00000024844.16,Banf1,protein_coding	0.0668	0.810559
ENSMUSG00000039079.2,Trhr2,protein_coding	0.06678	0.910021
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ENSMUSG00000034462.10,Pkd2,protein_coding	0.06662	0.757938
ENSMUSG00000019470.13,Xab2,protein_coding	0.06662	0.729199
ENSMUSG00000037355.15,Uvssa,protein_coding	0.06661	0.793134
ENSMUSG00000049336.17,Tenm2,protein_coding	0.06658	0.831742
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ENSMUSG00000040649.16,Rimklb,protein_coding	0.06651	0.781586
ENSMUSG00000027274.17,Mkks,protein_coding	0.06647	0.809917
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ENSMUSG00000024538.9,Ppic,protein_coding	0.06637	0.903164
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ENSMUSG00000028656.15,Cap1,protein_coding	0.06632	0.747847
ENSMUSG00000026087.12,Mrpl30,protein_coding	0.06629	0.734905
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ENSMUSG00000024798.16,Htr7,protein_coding	0.06592	0.852203
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ENSMUSG00000010025.20,Aldh3a2,protein_coding	0.06576	0.596357
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ENSMUSG00000108388.2,Gm44673,TEC	0.06571	0.885402
ENSMUSG00000050148.10,Ubqln2,protein_coding	0.06568	0.72458
ENSMUSG00000020513.16,Tubd1,protein_coding	0.06566	0.84484
ENSMUSG00000036285.11,Noa1,protein_coding	0.06564	0.733689
ENSMUSG00000098022.8,Zfp82,protein_coding	0.0656	0.78804
ENSMUSG00000022265.8,Ank,protein_coding	0.06553	0.709622

ENSMUSG00000048939.14,Atp13a5,protein_coding	0.06549	0.750254
ENSMUSG00000032322.15,Pstpip1,protein_coding	0.06543	0.915518
ENSMUSG00000032656.15,Marchf3,protein_coding	0.06542	0.837702
ENSMUSG00000002833.12,Hdgfl2,protein_coding	0.06542	0.754895
ENSMUSG00000097750.3,Gm4673,lncRNA	0.06524	0.804699
ENSMUSG00000120695.2,BB187676,lncRNA	0.0652	0.897313
ENSMUSG00000002980.15,Bcam,protein_coding	0.06514	0.872101
ENSMUSG00000043998.11,Mgat2,protein_coding	0.06513	0.74587
ENSMUSG00000135216.1,ENSMUSG00000135216,lncRNA	0.06503	0.877047
ENSMUSG00000044080.10,S100a1,protein_coding	0.06502	0.843178
ENSMUSG00000063659.12,Zbtb18,protein_coding	0.065	0.853497
ENSMUSG00000015143.16,Actn1,protein_coding	0.06491	0.834174
ENSMUSG00000037434.8,Slc30a1,protein_coding	0.06487	0.716901
ENSMUSG00000031539.7,Ap3m2,protein_coding	0.06487	0.776834
ENSMUSG00000051855.16,Mest,protein_coding	0.06486	0.812836
ENSMUSG00000025464.16,Paox,protein_coding	0.06483	0.814444
ENSMUSG00000046603.17,Tcaim,protein_coding	0.06479	0.703694
ENSMUSG00000026959.14,Grin1,protein_coding	0.06478	0.797007
ENSMUSG00000027525.19,Phactr3,protein_coding	0.06477	0.75671
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ENSMUSG00000055733.7,Nap1l3,protein_coding	0.06462	0.750577
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ENSMUSG00000005686.18,Ampd3,protein_coding	0.06459	0.704852
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ENSMUSG00000062127.12,Cttnbp2nl,protein_coding	0.06454	0.630672
ENSMUSG00000055319.9,Sec23ip,protein_coding	0.06452	0.593714
ENSMUSG00000020097.15,Sgpl1,protein_coding	0.06451	0.770986
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ENSMUSG00000018572.11,Phf23,protein_coding	0.06445	0.754077
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ENSMUSG00000021990.17,Spata13,protein_coding	0.06441	0.802682
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ENSMUSG00000031812.17,Map1lc3b,protein_coding	0.0643	0.699364
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ENSMUSG00000036278.8,Macrod1,protein_coding	0.06428	0.858467
ENSMUSG00000020381.11,Mrnip,protein_coding	0.06425	0.838527
ENSMUSG00000010095.14,Slc3a2,protein_coding	0.06422	0.831955
ENSMUSG00000036180.16,Gatad2a,protein_coding	0.06421	0.773339
ENSMUSG00000039860.20,Srrm3,protein_coding	0.0642	0.818615
ENSMUSG00000024544.10,Ldlrad4,protein_coding	0.06416	0.723992
ENSMUSG00000051351.15,Zfp46,protein_coding	0.06415	0.764351
ENSMUSG00000007783.11,Cpt1c,protein_coding	0.06413	0.792724
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ENSMUSG00000036275.14,9530068E07Rik,protein_coding	0.06401	0.661993
ENSMUSG00000042671.13,Rgs8,protein_coding	0.06395	0.87645
ENSMUSG00000054414.5,Slc30a7,protein_coding	0.06392	0.735911
ENSMUSG00000021701.9,Plk2,protein_coding	0.06392	0.848047

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ENSMUSG00000102496.2,Gm36989,TEC	0.06371	0.900872
ENSMUSG00000085762.3,Lrrc75aos2,lncRNA	0.0637	0.907312
ENSMUSG00000042688.17,Mapk6,protein_coding	0.06366	0.727764
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ENSMUSG00000014349.8,Ube2z,protein_coding	0.0636	0.716633
ENSMUSG00000036598.5,Ccdc113,protein_coding	0.06358	0.909764
ENSMUSG00000059436.14,Max,protein_coding	0.06356	0.771821
ENSMUSG00000023960.14,Enpp5,protein_coding	0.06355	0.764663
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ENSMUSG00000018820.14,Zfyve27,protein_coding	0.06353	0.691406
ENSMUSG00000052920.17,Prkg1,protein_coding	0.06351	0.799187
ENSMUSG00000029095.18,Ablim2,protein_coding	0.0635	0.857085
ENSMUSG00000048373.9,Fgfbp1,protein_coding	0.06349	0.909523
ENSMUSG00000037736.21,Limch1,protein_coding	0.06346	0.716107
ENSMUSG00000030062.8,Rpn1,protein_coding	0.06343	0.772356
ENSMUSG00000056050.16,Mia3,protein_coding	0.06341	0.668568
ENSMUSG00000023051.13,Tarbp2,protein_coding	0.06341	0.839144
ENSMUSG00000031479.10,Vps36,protein_coding	0.06338	0.689801
ENSMUSG00000121584.1,Tmem276,protein_coding	0.06333	0.824026
ENSMUSG00000031227.9,Magee1,protein_coding	0.06326	0.804112
ENSMUSG00000025318.14,Jph3,protein_coding	0.06323	0.809323
ENSMUSG00000061393.15,Acvr2b,protein_coding	0.0632	0.788572
ENSMUSG00000092680.3,Snord55,snoRNA	0.06319	0.851914
ENSMUSG00000073792.12,Alg6,protein_coding	0.06314	0.784788
ENSMUSG00000024174.10,Pot1b,protein_coding	0.06313	0.875401
ENSMUSG00000032244.10,Fem1b,protein_coding	0.06312	0.707392
ENSMUSG00000010392.9,Gosr1,protein_coding	0.06311	0.619816
ENSMUSG00000022987.13,Zfp641,protein_coding	0.06305	0.765521
ENSMUSG00000118310.2,Gm50268,TEC	0.06303	0.867853
ENSMUSG00000099966.4,2810402E24Rik,lncRNA	0.06302	0.894412
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ENSMUSG00000099937.2,Gm28872,lncRNA	0.06299	0.911693
ENSMUSG00000029454.16,Mapkapk5,protein_coding	0.06298	0.74606
ENSMUSG00000028792.15,Ak2,protein_coding	0.06296	0.884844
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ENSMUSG00000067242.12,Lgi1,protein_coding	0.0629	0.803951
ENSMUSG00000060923.6,Acyp2,protein_coding	0.06287	0.885878
ENSMUSG00000044156.15,Hepacam2,protein_coding	0.06284	0.957265
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ENSMUSG00000026694.20,Mettl13,protein_coding	0.06279	0.740229
ENSMUSG00000079470.9,Utp14b,protein_coding	0.06278	0.80384
ENSMUSG00000036353.14,P2ry12,protein_coding	0.06277	0.842684
ENSMUSG00000020430.13,Pes1,protein_coding	0.06269	0.801222
ENSMUSG00000004561.15,Mettl17,protein_coding	0.06268	0.78446
ENSMUSG00000035891.17,Cerk,protein_coding	0.06268	0.791453
ENSMUSG00000047603.10,Zfp235,protein_coding	0.06266	0.688163
ENSMUSG00000071037.7,Camkmt,protein_coding	0.06263	0.792037

ENSMUSG00000002319.17,Ipo4,protein_coding	0.06259	0.858045
ENSMUSG00000024948.16,Map4k2,protein_coding	0.06258	0.752888
ENSMUSG00000011877.14,Git1,protein_coding	0.06256	0.790018
ENSMUSG00000023913.18,Pla2g7,protein_coding	0.06256	0.832282
ENSMUSG00000114555.2,Gm48706,TEC	0.0625	0.875563
ENSMUSG00000026825.18,Dnm1,protein_coding	0.06248	0.807166
ENSMUSG00000040472.16,Rabggta,protein_coding	0.06248	0.78438
ENSMUSG00000055538.8,Zcchc24,protein_coding	0.06248	0.660114
ENSMUSG00000005575.17,Ube2m,protein_coding	0.06246	0.773241
ENSMUSG00000028779.17,Pef1,protein_coding	0.06245	0.81554
ENSMUSG00000034875.6,Nudt19,protein_coding	0.06244	0.809972
ENSMUSG00000002222.15,Rmnd5a,protein_coding	0.06238	0.757361
ENSMUSG00000099384.9,1700110C19Rik,lncRNA	0.06237	0.852769
ENSMUSG00000015766.15,Eps8,protein_coding	0.06236	0.805709
ENSMUSG00000020180.11,Snrpd3,protein_coding	0.06235	0.731301
ENSMUSG00000011256.17,Adam19,protein_coding	0.06232	0.780245
ENSMUSG00000024773.16,Atg2a,protein_coding	0.06229	0.749927
ENSMUSG00000032469.13,Dbr1,protein_coding	0.06226	0.838327
ENSMUSG00000046743.7,Fat4,protein_coding	0.06225	0.817207
ENSMUSG00000029546.13,Uncx,protein_coding	0.06223	0.932504
ENSMUSG00000023079.15,Gtf2ird1,protein_coding	0.06223	0.783968
ENSMUSG00000022843.18,Clcn2,protein_coding	0.06221	0.784001
ENSMUSG00000020196.11,Cabin1,protein_coding	0.06217	0.624603
ENSMUSG00000043801.8,Oaz1-ps,processed_pseudogene	0.06214	0.866019
ENSMUSG00000004110.19,Cacna1e,protein_coding	0.06209	0.826499
ENSMUSG00000031066.11,Usp11,protein_coding	0.06201	0.818906
ENSMUSG00000026171.13,Rnf25,protein_coding	0.06201	0.755442
ENSMUSG00000003421.14,Nosip,protein_coding	0.062	0.748573
ENSMUSG00000041720.15,Pi4ka,protein_coding	0.062	0.749603
ENSMUSG00000019775.18,Rgs17,protein_coding	0.06198	0.784945
ENSMUSG00000031189.13,Aff2,protein_coding	0.06198	0.779355
ENSMUSG00000023004.9,Tuba1b,protein_coding	0.06197	0.847917
ENSMUSG00000045948.9,Mrps12,protein_coding	0.06195	0.881636
ENSMUSG00000027452.12,Acss1,protein_coding	0.06193	0.801337
ENSMUSG00000021375.12,Kif13a,protein_coding	0.06185	0.777096
ENSMUSG00000003062.14,Stard3nl,protein_coding	0.0618	0.702743
ENSMUSG00000054450.2,Gm9945,TEC	0.06178	0.939129
ENSMUSG00000000743.10,Chmp1a,protein_coding	0.06175	0.814182
ENSMUSG00000032841.16,Prr5l,protein_coding	0.06175	0.806748
ENSMUSG00000029804.18,Herc3,protein_coding	0.06174	0.739429
ENSMUSG00000046169.11,Adamts6,protein_coding	0.06174	0.834942
ENSMUSG00000024878.10,Zng1,protein_coding	0.06173	0.815327
ENSMUSG00000048732.6,Klhl11,protein_coding	0.06171	0.717269
ENSMUSG00000096967.5,Gm26621,lncRNA	0.06167	0.911028
ENSMUSG00000055943.6,Emc7,protein_coding	0.06164	0.73254
ENSMUSG00000035885.6,Cox8a,protein_coding	0.0616	0.79825
ENSMUSG00000030867.8,Plk1,protein_coding	0.06155	0.955011
ENSMUSG00000069670.10,Nkain2,protein_coding	0.06155	0.84438
ENSMUSG00000104925.2,Gm43061,lncRNA	0.06153	0.835115
ENSMUSG00000040699.14,Limd2,protein_coding	0.06151	0.797416
ENSMUSG00000009563.17,Tor2a,protein_coding	0.0615	0.762636
ENSMUSG00000027500.11,Stmn2,protein_coding	0.06146	0.773194

ENSMUSG00000034126.6,Pomt2,protein_coding	0.06146	0.710928
ENSMUSG00000090115.8,Usp49,protein_coding	0.06146	0.69117
ENSMUSG00000097903.4,Gm26679,lncRNA	0.06135	0.906141
ENSMUSG00000047787.9,Flrt1,protein_coding	0.06131	0.800702
ENSMUSG00000046556.8,Zfp319,protein_coding	0.0613	0.75131
ENSMUSG00000026409.15,Pfkfb2,protein_coding	0.06129	0.702767
ENSMUSG00000102950.2,Gm37018,TEC	0.06126	0.818578
ENSMUSG00000059183.13,Mtfmt,protein_coding	0.06119	0.760624
ENSMUSG00000097924.4,A730020E08Rik,lncRNA	0.06115	0.86255
ENSMUSG00000023572.17,Ccndbp1,protein_coding	0.06114	0.733358
ENSMUSG00000020116.8,Pno1,protein_coding	0.06108	0.791645
ENSMUSG00000132149.1,ENSMUSG00000132149,lncRNA	0.06107	0.929845
ENSMUSG00000002409.19,Dyrk1b,protein_coding	0.061	0.833385
ENSMUSG00000035226.6,Rims4,protein_coding	0.06099	0.820719
ENSMUSG00000060176.5,Kif27,protein_coding	0.06095	0.879898
ENSMUSG00000055322.17,Tns1,protein_coding	0.06092	0.809787
ENSMUSG00000060402.9,Chst8,protein_coding	0.06083	0.792981
ENSMUSG00000029600.11,Rita1,protein_coding	0.0608	0.833638
ENSMUSG00000022387.18,Brd1,protein_coding	0.06074	0.665674
ENSMUSG00000121849.2,Gm15760,lncRNA	0.06074	0.922755
ENSMUSG00000019951.11,Bltp3b,protein_coding	0.06073	0.641938
ENSMUSG00000073616.11,Cops9,protein_coding	0.0607	0.832913
ENSMUSG00000086291.2,Gm15513,lncRNA	0.06063	0.867873
ENSMUSG00000106825.2,2510016D11Rik,TEC	0.0606	0.883957
ENSMUSG00000026473.18,Glul,protein_coding	0.0606	0.743716
ENSMUSG00000028479.19,Gne,protein_coding	0.06057	0.770451
ENSMUSG00000008683.17,Rps15a,protein_coding	0.06051	0.849873
ENSMUSG00000062380.5,Tubb3,protein_coding	0.06048	0.872528
ENSMUSG00000024758.16,Rtn3,protein_coding	0.06047	0.793004
ENSMUSG00000020486.20,Septin4,protein_coding	0.06044	0.767441
ENSMUSG00000022285.18,Ywhaz,protein_coding	0.06039	0.767928
ENSMUSG00000001415.11,Smg5,protein_coding	0.06037	0.749251
ENSMUSG00000097321.8,1700028E10Rik,lncRNA	0.06035	0.852787
ENSMUSG00000032598.9,Nckipsd,protein_coding	0.06033	0.793459
ENSMUSG00000032366.16,Tpm1,protein_coding	0.06023	0.715447
ENSMUSG00000113170.3,Gm36839,lncRNA	0.06022	0.917386
ENSMUSG00000009073.17,Nf2,protein_coding	0.06021	0.640402
ENSMUSG00000031367.16,Ap1s2,protein_coding	0.06013	0.821009
ENSMUSG00000001138.14,Cnnm3,protein_coding	0.06012	0.742952
ENSMUSG00000040370.14,Etfrf1,protein_coding	0.05997	0.798023
ENSMUSG00000042348.11,Arl15,protein_coding	0.05995	0.807464
ENSMUSG00000002496.11,Tsc2,protein_coding	0.05994	0.742642
ENSMUSG00000044576.7,Garem2,protein_coding	0.05994	0.809163
ENSMUSG00000075705.14,Msrb1,protein_coding	0.05989	0.846955
ENSMUSG00000105004.2,Gm43075,TEC	0.05988	0.9055
ENSMUSG00000042557.15,Sin3a,protein_coding	0.05986	0.755946
ENSMUSG00000047259.4,Mc4r,protein_coding	0.05984	0.895619
ENSMUSG00000047842.8,Diras2,protein_coding	0.05984	0.817378
ENSMUSG00000056529.8,Ptafr,protein_coding	0.05978	0.935291
ENSMUSG00000032827.16,Ppp1r9a,protein_coding	0.05976	0.839847
ENSMUSG00000021809.11,Nudt13,protein_coding	0.05976	0.743217
ENSMUSG00000004035.13,Gstm7,protein_coding	0.05965	0.875314

ENSMUSG00000073988.14,Ttpa,protein_coding	0.05964	0.900872
ENSMUSG00000015536.15,Mocs2,protein_coding	0.05962	0.682163
ENSMUSG00000038116.17,Phf20,protein_coding	0.0596	0.695342
ENSMUSG00000054162.16,Spock3,protein_coding	0.05957	0.865031
ENSMUSG00000031231.5,Cox7b,protein_coding	0.05953	0.808985
ENSMUSG00000025209.6,Twnk,protein_coding	0.05953	0.775662
ENSMUSG00000129170.1,ENSMUSG00000129170,lncRNA	0.05952	0.909376
ENSMUSG00000022451.13,Twf1,protein_coding	0.05951	0.67118
ENSMUSG00000022799.5,Arhgap31,protein_coding	0.0595	0.774775
ENSMUSG00000024050.19,Wiz,protein_coding	0.05947	0.725691
ENSMUSG00000012405.17,Rpl15,protein_coding	0.05946	0.88194
ENSMUSG00000006050.13,Sra1,protein_coding	0.05944	0.768323
ENSMUSG00000043496.8,Tril,protein_coding	0.05944	0.728139
ENSMUSG00000033009.16,Ogfod1,protein_coding	0.05936	0.797531
ENSMUSG00000032869.16,Psmf1,protein_coding	0.05935	0.675746
ENSMUSG00000087660.3,B230398E01Rik,lncRNA	0.05934	0.904495
ENSMUSG00000029634.16,Rnf6,protein_coding	0.05934	0.581016
ENSMUSG00000063172.14,Ift25,protein_coding	0.05929	0.784372
ENSMUSG00000105791.2,Gm43341,TEC	0.05928	0.914659
ENSMUSG00000063077.16,Kif1b,protein_coding	0.05927	0.733913
ENSMUSG00000024800.9,Rpp30,protein_coding	0.05925	0.796713
ENSMUSG00000093803.7,Ppp2r3d,protein_coding	0.05924	0.741533
ENSMUSG00000026239.15,Pde6d,protein_coding	0.05922	0.796327
ENSMUSG00000112148.2,Lilrb4a,protein_coding	0.05921	0.964945
ENSMUSG00000000197.9,Nalcn,protein_coding	0.0592	0.759649
ENSMUSG00000029250.6,Polr2b,protein_coding	0.05918	0.751943
ENSMUSG00000111394.2,Gm49759,TEC	0.05913	0.834554
ENSMUSG00000069808.14,Tlcd3a,protein_coding	0.0591	0.818473
ENSMUSG00000049751.7,Rpl36al,protein_coding	0.05907	0.88423
ENSMUSG00000030411.17,Nova2,protein_coding	0.05906	0.839495
ENSMUSG00000035378.18,Shq1,protein_coding	0.05903	0.822806
ENSMUSG00000024127.16,Prepl,protein_coding	0.059	0.756916
ENSMUSG00000029086.16,Prom1,protein_coding	0.05897	0.756931
ENSMUSG00000028469.16,Npr2,protein_coding	0.05893	0.773207
ENSMUSG00000004612.10,Nkg7,protein_coding	0.05891	0.963688
ENSMUSG00000047604.4,Frat2,protein_coding	0.05887	0.861979
ENSMUSG00000001632.17,Brpf1,protein_coding	0.05882	0.796065
ENSMUSG00000061536.14,Sec22c,protein_coding	0.05878	0.781981
ENSMUSG00000108546.3,Gm44662,lncRNA	0.05876	0.899814
ENSMUSG00000027203.16,Dut,protein_coding	0.05873	0.850844
ENSMUSG00000040462.14,Os9,protein_coding	0.05872	0.774662
ENSMUSG00000114605.2,C130051F05Rik,TEC	0.05869	0.870305
ENSMUSG00000024370.18,Cdc23,protein_coding	0.05864	0.674695
ENSMUSG00000040048.15,Ndufb10,protein_coding	0.05863	0.798004
ENSMUSG00000136396.1,ENSMUSG00000136396,lncRNA	0.05863	0.900591
ENSMUSG00000113432.2,8430406P12Rik,TEC	0.05856	0.904862
ENSMUSG00000047466.11,Ark2n,protein_coding	0.05854	0.751146
ENSMUSG00000113689.3,Gm29676,lncRNA	0.05853	0.922553
ENSMUSG00000001988.10,Npas1,protein_coding	0.05851	0.89674
ENSMUSG00000038876.13,Rnf146,protein_coding	0.05849	0.717448
ENSMUSG00000019188.17,H13,protein_coding	0.05841	0.708349
ENSMUSG00000047067.8,Dusp28,protein_coding	0.0584	0.837535

ENSMUSG00000019359.15,Gdpd2,protein_coding	0.0584	0.882157
ENSMUSG00000049739.11,Zfp646,protein_coding	0.05835	0.75745
ENSMUSG00000006736.10,Tspan31,protein_coding	0.05833	0.754338
ENSMUSG00000009145.7,Dqx1,protein_coding	0.05827	0.942462
ENSMUSG00000014704.11,Hoxa2,protein_coding	0.05827	0.975106
ENSMUSG00000002550.17,Uck1,protein_coding	0.05824	0.81864
ENSMUSG00000107586.2,Gm44283,TEC	0.05824	0.884786
ENSMUSG00000102786.2,Gm38252,TEC	0.05824	0.923202
ENSMUSG00000000631.21,Myo18a,protein_coding	0.05823	0.771216
ENSMUSG00000103614.2,Gm37949,TEC	0.05817	0.874931
ENSMUSG00000028759.14,Hp1bp3,protein_coding	0.05816	0.683273
ENSMUSG00000105063.2,Gm43488,TEC	0.05813	0.909889
ENSMUSG00000120011.2,Gm56639,lncRNA	0.0581	0.938462
ENSMUSG00000058571.12,Gpc6,protein_coding	0.0581	0.747352
ENSMUSG00000102697.2,Pcdhac2,protein_coding	0.05809	0.806677
ENSMUSG00000036095.12,Dgkb,protein_coding	0.05809	0.898232
ENSMUSG00000029387.11,Gtf2h3,protein_coding	0.05807	0.771106
ENSMUSG00000027187.11,Cat,protein_coding	0.05807	0.771657
ENSMUSG00000037509.22,Arhgef4,protein_coding	0.05806	0.767235
ENSMUSG00000026827.13,Gpd2,protein_coding	0.05801	0.769058
ENSMUSG00000096472.3,Cdkn2d,protein_coding	0.05797	0.802912
ENSMUSG00000113792.2,Gm10933,TEC	0.05797	0.906505
ENSMUSG00000029186.13,Pi4k2b,protein_coding	0.05791	0.876008
ENSMUSG00000042787.16,Exog,protein_coding	0.05789	0.766382
ENSMUSG00000032030.18,Cul5,protein_coding	0.05786	0.660999
ENSMUSG00000028347.15,Tmeff1,protein_coding	0.05781	0.844344
ENSMUSG00000021400.9,Wrnip1,protein_coding	0.05779	0.670701
ENSMUSG00000126905.1,ENSMUSG00000126905,lncRNA	0.05779	0.934216
ENSMUSG00000058093.14,Zfp729b,protein_coding	0.05776	0.866523
ENSMUSG00000023921.10,Mmut,protein_coding	0.05773	0.734152
ENSMUSG00000051113.10,Garin5a,protein_coding	0.05772	0.883092
ENSMUSG00000021285.16,Ppp1r13b,protein_coding	0.05768	0.795497
ENSMUSG00000021928.10,Ebpl,protein_coding	0.05768	0.761124
ENSMUSG00000021143.11,Pacs2,protein_coding	0.05762	0.766365
ENSMUSG00000021466.13,Ptch1,protein_coding	0.05758	0.760599
ENSMUSG00000118280.3,Gm41804,lncRNA	0.05756	0.91787
ENSMUSG00000052296.8,Ppp6r1,protein_coding	0.05749	0.729874
ENSMUSG00000028785.14,Hpca,protein_coding	0.05743	0.891863
ENSMUSG00000024163.19,Mapk8ip3,protein_coding	0.0574	0.791619
ENSMUSG00000021759.15,Plpp1,protein_coding	0.0574	0.839044
ENSMUSG00000026179.15,Pnkd,protein_coding	0.05738	0.82847
ENSMUSG00000104369.2,Gm38082,TEC	0.05736	0.856373
ENSMUSG00000048930.13,Tada3,protein_coding	0.05735	0.798263
ENSMUSG00000013833.16,Med16,protein_coding	0.05735	0.815728
ENSMUSG00000002825.9,Qtrt1,protein_coding	0.05732	0.867984
ENSMUSG00000038827.12,Abitram,protein_coding	0.05728	0.74086
ENSMUSG00000114282.2,5330431K02Rik,TEC	0.05722	0.84888
ENSMUSG00000046191.8,Pcdhb20,protein_coding	0.05719	0.806966
ENSMUSG00000027332.12,Ivd,protein_coding	0.05719	0.743279
ENSMUSG00000037325.11,Bbs7,protein_coding	0.05718	0.784816
ENSMUSG00000040857.16,Erf,protein_coding	0.05717	0.813349
ENSMUSG00000030924.17,Rexo5,protein_coding	0.05715	0.942747

ENSMUSG00000042596.8,Tfap2d,protein_coding	0.05713	0.956755
ENSMUSG00000137749.1,ENSMUSG00000137749,lncRNA	0.05709	0.915161
ENSMUSG00000017740.18,Slc12a5,protein_coding	0.05703	0.818896
ENSMUSG00000107364.2,Gm43051,TEC	0.05701	0.82728
ENSMUSG00000020284.17,Cfap410,protein_coding	0.05697	0.798611
ENSMUSG00000041797.8,Abca9,protein_coding	0.05686	0.810668
ENSMUSG00000103734.2,Gm37651,TEC	0.05677	0.885876
ENSMUSG00000031065.15,Cdk16,protein_coding	0.05674	0.771683
ENSMUSG00000033436.14,Armcx2,protein_coding	0.05673	0.744879
ENSMUSG00000020986.14,Sec23a,protein_coding	0.05672	0.757838
ENSMUSG00000033454.7,Zbtb1,protein_coding	0.05671	0.843272
ENSMUSG00000113161.2,Gm47457,TEC	0.05671	0.94468
ENSMUSG00000022280.10,Rnf19a,protein_coding	0.05671	0.680526
ENSMUSG00000025525.13,Apool,protein_coding	0.0567	0.908034
ENSMUSG00000025178.10,Pi4k2a,protein_coding	0.05667	0.720773
ENSMUSG00000024420.10,Zfp521,protein_coding	0.05664	0.907287
ENSMUSG00000037605.18,Adgrl3,protein_coding	0.05663	0.742591
ENSMUSG00000010290.8,AI597479,protein_coding	0.05662	0.761034
ENSMUSG00000018378.14,Cuedc1,protein_coding	0.0566	0.814612
ENSMUSG00000027368.7,Dusp2,protein_coding	0.0566	0.962288
ENSMUSG00000013973.13,Dedd,protein_coding	0.05655	0.681369
ENSMUSG00000001909.17,Trmt1,protein_coding	0.05652	0.714728
ENSMUSG00000087370.4,Tmem170b,protein_coding	0.05644	0.774168
ENSMUSG00000077714.3,Snord17,snoRNA	0.05641	0.814845
ENSMUSG00000022193.8,Psmb5,protein_coding	0.0564	0.871023
ENSMUSG00000028557.11,Rnf11,protein_coding	0.05639	0.808912
ENSMUSG00000105584.2,Gm42588,TEC	0.05639	0.886467
ENSMUSG00000027575.20,Arfgap1,protein_coding	0.05639	0.74402
ENSMUSG00000091735.3,Gpr62,protein_coding	0.05638	0.79193
ENSMUSG00000031985.10,Gnpat,protein_coding	0.05635	0.691506
ENSMUSG00000042595.8,Fam199x,protein_coding	0.05634	0.839365
ENSMUSG00000033703.10,Fcsk,protein_coding	0.05632	0.809506
ENSMUSG00000022089.10,Bin3,protein_coding	0.05627	0.805737
ENSMUSG00000030057.16,Cnbp,protein_coding	0.05608	0.797253
ENSMUSG00000034209.5,Rasl10a,protein_coding	0.056	0.896012
ENSMUSG00000023191.10,P3h3,protein_coding	0.05599	0.831942
ENSMUSG00000109336.3,Samd4b,protein_coding	0.05599	0.748035
ENSMUSG00000035936.7,Aldh5a1,protein_coding	0.05599	0.775902
ENSMUSG00000032119.6,Hinfp,protein_coding	0.05592	0.817314
ENSMUSG00000024270.12,Slc39a6,protein_coding	0.05589	0.769977
ENSMUSG00000025608.10,Podxl,protein_coding	0.05584	0.771663
ENSMUSG00000109244.2,Gm44751,lncRNA	0.05578	0.943796
ENSMUSG00000027651.17,Rprd1b,protein_coding	0.05577	0.720944
ENSMUSG00000057378.16,Ryr3,protein_coding	0.05577	0.872586
ENSMUSG00000128222.1,ENSMUSG00000128222,lncRNA	0.05572	0.918772
ENSMUSG00000053317.12,Sec61b,protein_coding	0.0557	0.897767
ENSMUSG00000038241.17,Cep250,protein_coding	0.05567	0.801624
ENSMUSG00000063047.10,Zfp780b,protein_coding	0.05562	0.739084
ENSMUSG00000005892.5,Trh,protein_coding	0.0556	0.964378
ENSMUSG00000021537.10,Cetn3,protein_coding	0.05559	0.798809
ENSMUSG00000021613.10,Hapln1,protein_coding	0.05559	0.871043
ENSMUSG00000040105.4,Plpp6,protein_coding	0.05557	0.78551

ENSMUSG00000051034.8,Zfp11,protein_coding	0.05555	0.843607
ENSMUSG00000054477.18,Kcnn2,protein_coding	0.05555	0.764919
ENSMUSG00000041632.8,Mrps27,protein_coding	0.05551	0.828184
ENSMUSG00000055200.8,Sertad3,protein_coding	0.05549	0.890316
ENSMUSG00000027408.8,Cpxm1,protein_coding	0.05549	0.892938
ENSMUSG00000034940.16,Synrg,protein_coding	0.05549	0.676006
ENSMUSG00000109852.2,Gm45360,TEC	0.05544	0.914053
ENSMUSG00000083773.5,Gm13394,transcribed_processed_pseudogene	0.05543	0.855566
ENSMUSG00000039740.7,Alg2,protein_coding	0.05538	0.767985
ENSMUSG00000052062.15,Pard3b,protein_coding	0.05532	0.771263
ENSMUSG00000019791.13,Hint3,protein_coding	0.05528	0.769563
ENSMUSG00000007610.17,Gtpbp3,protein_coding	0.05528	0.80172
ENSMUSG00000001334.11,Fndc5,protein_coding	0.05523	0.810852
ENSMUSG00000025239.4,Limd1,protein_coding	0.05523	0.922414
ENSMUSG00000039018.16,Mtg1,protein_coding	0.05521	0.816797
ENSMUSG00000027822.17,Slc33a1,protein_coding	0.05518	0.741798
ENSMUSG00000078676.10,Casc3,protein_coding	0.05518	0.674158
ENSMUSG00000029528.20,Pxn,protein_coding	0.05517	0.879149
ENSMUSG00000036281.14,Snapc4,protein_coding	0.05514	0.808439
ENSMUSG00000073856.12,Iqck,protein_coding	0.05511	0.834753
ENSMUSG00000021112.10,Pals1,protein_coding	0.0551	0.786074
ENSMUSG00000105611.2,Gm42938,lncRNA	0.0551	0.936719
ENSMUSG00000027698.15,Nceh1,protein_coding	0.05508	0.788442
ENSMUSG00000036111.9,Lmo1,protein_coding	0.05507	0.907351
ENSMUSG00000103324.2,Gm37402,TEC	0.05506	0.90251
ENSMUSG00000124586.1,ENSMUSG00000124586,lncRNA	0.05497	0.906334
ENSMUSG00000120414.2,Gm32261,lncRNA	0.05492	0.853629
ENSMUSG00000044533.16,Rps2,protein_coding	0.05487	0.87973
ENSMUSG00000040183.14,Ankrd6,protein_coding	0.05486	0.872956
ENSMUSG00000030102.12,Itpr1,protein_coding	0.05486	0.849266
ENSMUSG00000028745.19,Capzb,protein_coding	0.05481	0.777451
ENSMUSG00000054452.11,Tle5,protein_coding	0.05478	0.818186
ENSMUSG00000001472.18,Tcf25,protein_coding	0.05477	0.791806
ENSMUSG00000038256.16,Bcl9,protein_coding	0.05474	0.741784
ENSMUSG00000074578.17,Zfas1,lncRNA	0.05473	0.891313
ENSMUSG00000004894.11,Hapln2,protein_coding	0.05469	0.866814
ENSMUSG00000063108.16,Zfp26,protein_coding	0.05468	0.804968
ENSMUSG00000049600.10,Zbtb45,protein_coding	0.05462	0.815907
ENSMUSG00000030983.5,Bccip,protein_coding	0.0546	0.745147
ENSMUSG00000033326.16,Kdm4a,protein_coding	0.05458	0.7623
ENSMUSG00000028914.14,Casp9,protein_coding	0.05455	0.791607
ENSMUSG00000029125.15,Stx18,protein_coding	0.05454	0.761947
ENSMUSG00000026792.17,Lrsam1,protein_coding	0.05453	0.797552
ENSMUSG00000037257.9,Aagab,protein_coding	0.05451	0.725336
ENSMUSG00000023089.13,Ndufa5,protein_coding	0.05449	0.800164
ENSMUSG00000030224.11,Strap,protein_coding	0.05448	0.749247
ENSMUSG00000070737.11,Tmem35b,protein_coding	0.05444	0.87879
ENSMUSG00000097509.2,B230322F03Rik,lncRNA	0.05443	0.906522
ENSMUSG00000032186.16,Tmod2,protein_coding	0.05442	0.798097
ENSMUSG00000030527.16,Crtc3,protein_coding	0.05442	0.799516
ENSMUSG00000112280.2,A830082N09Rik,lncRNA	0.05437	0.804211
ENSMUSG00000020078.17,Vps26a,protein_coding	0.05435	0.7227

ENSMUSG00000027359.17,Slc27a2,protein_coding	0.05435	0.865092
ENSMUSG00000078234.7,Klhdc7a,protein_coding	0.05433	0.837405
ENSMUSG00000004897.18,Hdgf,protein_coding	0.0543	0.730172
ENSMUSG00000030671.10,Pde3b,protein_coding	0.05426	0.886771
ENSMUSG00000043733.15,Ptpn11,protein_coding	0.05425	0.666951
ENSMUSG00000081887.2,Gm12097,transcribed_processed_pseudogene	0.05424	0.887991
ENSMUSG00000036615.8,Rfxap,protein_coding	0.05422	0.810317
ENSMUSG00000115278.3,Gm34150,lncRNA	0.05419	0.956952
ENSMUSG00000074968.12,Ano3,protein_coding	0.05416	0.910688
ENSMUSG00000004895.10,Prcc,protein_coding	0.05411	0.801919
ENSMUSG00000029093.15,Sorcs2,protein_coding	0.0541	0.855258
ENSMUSG00000019158.10,Tmem160,protein_coding	0.05407	0.858085
ENSMUSG00000000817.11,Fasl,protein_coding	0.05398	0.953339
ENSMUSG00000039367.12,Sec24c,protein_coding	0.05396	0.712376
ENSMUSG00000063524.14,Eno1,protein_coding	0.05394	0.83516
ENSMUSG00000059434.10,Gckr,protein_coding	0.05391	0.956001
ENSMUSG00000103232.2,Gm37160,TEC	0.05389	0.900899
ENSMUSG00000030208.16,Emp1,protein_coding	0.05389	0.917018
ENSMUSG00000038174.15,Hycc2,protein_coding	0.0538	0.8181
ENSMUSG00000032112.11,Trappc4,protein_coding	0.0538	0.828125
ENSMUSG00000064837.3,Snora75,snoRNA	0.05379	0.950325
ENSMUSG00000039461.13,Tcta,protein_coding	0.05378	0.808453
ENSMUSG00000024858.15,Grk2,protein_coding	0.05373	0.751659
ENSMUSG00000089917.8,Uckl1,protein_coding	0.05354	0.804032
ENSMUSG00000062232.15,Rapgef2,protein_coding	0.05352	0.802164
ENSMUSG00000045767.10,B230219D22Rik,protein_coding	0.05347	0.783259
ENSMUSG00000034587.11,8430429K09Rik,lncRNA	0.05342	0.825608
ENSMUSG00000031577.11,Tti2,protein_coding	0.05341	0.80655
ENSMUSG00000016554.10,Eif3d,protein_coding	0.05341	0.826593
ENSMUSG00000050608.12,Micos10,protein_coding	0.0533	0.770525
ENSMUSG00000021635.15,Rad17,protein_coding	0.05327	0.832603
ENSMUSG00000116796.2,Gm49784,TEC	0.05324	0.938789
ENSMUSG00000039840.9,Epg5,protein_coding	0.05323	0.694539
ENSMUSG00000022272.18,Myo10,protein_coding	0.05322	0.721139
ENSMUSG00000025260.11,Hsd17b10,protein_coding	0.05321	0.839206
ENSMUSG00000080316.12,Spaca6,protein_coding	0.0532	0.871362
ENSMUSG00000056531.12,Ccdc18,protein_coding	0.05319	0.945727
ENSMUSG00000005103.13,Wdr1,protein_coding	0.05316	0.690546
ENSMUSG00000006920.15,Ezh1,protein_coding	0.05314	0.657036
ENSMUSG00000018845.15,Unc45b,protein_coding	0.05313	0.916345
ENSMUSG00000106547.2,B230303O12Rik,lncRNA	0.05307	0.941658
ENSMUSG00000002968.10,Med25,protein_coding	0.05299	0.733329
ENSMUSG00000032966.15,Fkbp1a,protein_coding	0.05293	0.813262
ENSMUSG00000044308.19,Ubr3,protein_coding	0.05283	0.715295
ENSMUSG00000053604.6,Rpia,protein_coding	0.05282	0.810385
ENSMUSG00000028702.16,Rad54l,protein_coding	0.0528	0.94677
ENSMUSG00000019039.15,Dalrd3,protein_coding	0.05276	0.78465
ENSMUSG00000030729.18,Pgm2l1,protein_coding	0.05275	0.860795
ENSMUSG00000024958.15,Gpr137,protein_coding	0.05274	0.865087
ENSMUSG00000004100.13,Ppan,protein_coding	0.05274	0.880541
ENSMUSG00000021820.19,Camk2g,protein_coding	0.05272	0.806811
ENSMUSG00000002032.18,Tmem25,protein_coding	0.05271	0.777857

ENSMUSG00000003429.12,Rps11,protein_coding	0.05268	0.919208
ENSMUSG00000042851.18,Zc3h6,protein_coding	0.05267	0.773055
ENSMUSG00000019986.18,Ahi1,protein_coding	0.05265	0.851441
ENSMUSG00000028029.12,Aimp1,protein_coding	0.05265	0.775348
ENSMUSG00000001240.14,Ramp2,protein_coding	0.05263	0.882501
ENSMUSG00000093355.3,Snora26,snoRNA	0.05262	0.924087
ENSMUSG00000033578.8,Tmem35a,protein_coding	0.05262	0.778394
ENSMUSG00000105226.2,A930028O11Rik,TEC	0.05254	0.946492
ENSMUSG00000053799.9,Exoc6,protein_coding	0.05254	0.755836
ENSMUSG00000048833.10,Slc39a9,protein_coding	0.05252	0.705826
ENSMUSG00000022235.16,Cmbl,protein_coding	0.05251	0.879076
ENSMUSG00000120543.2,Gm33049,lncRNA	0.0525	0.940501
ENSMUSG00000049281.17,Scn3b,protein_coding	0.05249	0.884296
ENSMUSG00000027272.6,Ubr1,protein_coding	0.05249	0.705631
ENSMUSG00000128751.1,ENSMUSG00000128751,lncRNA	0.05248	0.930531
ENSMUSG00000022994.10,Adcy6,protein_coding	0.05247	0.805419
ENSMUSG00000104929.2,Gm42766,TEC	0.05243	0.890545
ENSMUSG00000040543.17,Pitpnm3,protein_coding	0.05241	0.831424
ENSMUSG00000075470.3,Alg10b,protein_coding	0.05229	0.826838
ENSMUSG00000030201.16,Lrp6,protein_coding	0.05225	0.708302
ENSMUSG00000015889.9,Lta4h,protein_coding	0.05224	0.771681
ENSMUSG00000025413.14,Ttc4,protein_coding	0.05221	0.709328
ENSMUSG00000040093.17,Bmf,protein_coding	0.05221	0.958879
ENSMUSG00000026018.13,Ica1l,protein_coding	0.0522	0.812224
ENSMUSG00000028277.14,Ube2j1,protein_coding	0.05218	0.761984
ENSMUSG00000001166.18,Oas1c,protein_coding	0.05218	0.946088
ENSMUSG00000024286.9,Ccny,protein_coding	0.0521	0.805836
ENSMUSG00000029587.17,Zfp12,protein_coding	0.05204	0.691864
ENSMUSG00000018287.13,Spag7,protein_coding	0.05199	0.780621
ENSMUSG00000025138.15,Sirt7,protein_coding	0.05198	0.775701
ENSMUSG00000012117.14,Dhdds,protein_coding	0.05197	0.74585
ENSMUSG00000022199.13,Slc22a17,protein_coding	0.05194	0.878351
ENSMUSG00000110615.3,Gm45890,lncRNA	0.05192	0.944359
ENSMUSG00000034701.10,Neurod1,protein_coding	0.05191	0.949225
ENSMUSG00000068290.12,Ddrgk1,protein_coding	0.05189	0.797916
ENSMUSG00000000134.18,Tfe3,protein_coding	0.05182	0.738805
ENSMUSG00000113708.2,Gm47584,TEC	0.05181	0.932637
ENSMUSG00000047710.9,Champ1,protein_coding	0.05171	0.764655
ENSMUSG00000097311.10,Gm26871,lncRNA	0.05167	0.904623
ENSMUSG00000091183.6,Gm5141,protein_coding	0.05167	0.92677
ENSMUSG00000053141.17,Ptprt,protein_coding	0.05167	0.807589
ENSMUSG00000020821.18,Kif1c,protein_coding	0.05167	0.749363
ENSMUSG00000046404.6,Yod1,protein_coding	0.05165	0.827012
ENSMUSG00000079111.4,Kdelr2,protein_coding	0.05165	0.81928
ENSMUSG00000026932.15,Nacc2,protein_coding	0.05164	0.804457
ENSMUSG00000000340.11,Dbt,protein_coding	0.05162	0.792907
ENSMUSG00000053091.17,Lins1,protein_coding	0.05158	0.796422
ENSMUSG00000020441.7,2310033P09Rik,protein_coding	0.05154	0.843939
ENSMUSG00000021238.12,Aldh6a1,protein_coding	0.0515	0.850586
ENSMUSG00000061273.4,Mmgt1,protein_coding	0.05146	0.840444
ENSMUSG00000068040.11,Tm9sf4,protein_coding	0.05137	0.709878
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ENSMUSG00000033458.18,Fan1,protein_coding	0.05127	0.767459
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ENSMUSG00000052146.17,Rps10,protein_coding	0.05124	0.91507
ENSMUSG00000019189.14,Rnf145,protein_coding	0.05121	0.718502
ENSMUSG00000047215.15,Rpl9,protein_coding	0.05121	0.871025
ENSMUSG00000098905.3,Zfp953,protein_coding	0.0512	0.924204
ENSMUSG00000036078.17,Sigmar1,protein_coding	0.0512	0.82931
ENSMUSG00000040016.17,Ptger3,protein_coding	0.05115	0.913181
ENSMUSG00000032679.13,Cd59a,protein_coding	0.05109	0.919799
ENSMUSG00000001119.8,Col6a1,protein_coding	0.05105	0.918884
ENSMUSG00000022623.18,Shank3,protein_coding	0.05104	0.860643
ENSMUSG00000103800.2,Pcdha8,protein_coding	0.05103	0.916292
ENSMUSG00000029267.18,Mtf2,protein_coding	0.051	0.883488
ENSMUSG00000119530.1,Gm25085,snoRNA	0.0509	0.9358
ENSMUSG00000119860.1,Gm23305,snoRNA	0.0509	0.964867
ENSMUSG00000133468.1,ENSMUSG00000133468,lncRNA	0.05089	0.96356
ENSMUSG00000024581.14,Napg,protein_coding	0.05088	0.764544
ENSMUSG00000038047.19,Haus6,protein_coding	0.05088	0.91072
ENSMUSG00000047843.17,Bri3,protein_coding	0.05087	0.818676
ENSMUSG00000106636.2,Gm43813,lncRNA	0.05081	0.883503
ENSMUSG00000107023.3,Gm42715,protein_coding	0.05078	0.826516
ENSMUSG00000025880.13,Smad7,protein_coding	0.05076	0.793152
ENSMUSG00000022442.17,Ttll1,protein_coding	0.05074	0.86664
ENSMUSG00000026492.12,Tfb2m,protein_coding	0.0507	0.82919
ENSMUSG00000026274.12,Pask,protein_coding	0.0507	0.872496
ENSMUSG00000117465.3,Gm49980,lncRNA	0.05065	0.977338
ENSMUSG00000066113.17,Adamtsl1,protein_coding	0.05064	0.847261
ENSMUSG00000061613.14,U2af1,protein_coding	0.05056	0.793334
ENSMUSG00000038733.15,Wdr26,protein_coding	0.05053	0.751902
ENSMUSG00000037573.6,Tob1,protein_coding	0.05048	0.815511
ENSMUSG00000020661.17,Dnmt3a,protein_coding	0.05038	0.738317
ENSMUSG00000062590.14,Armc9,protein_coding	0.05035	0.828718
ENSMUSG00000047213.15,Ythdf3,protein_coding	0.05035	0.816359
ENSMUSG00000112433.3,Gm30122,lncRNA	0.05033	0.904124
ENSMUSG00000060550.18,H2-Q7,protein_coding	0.05029	0.961783
ENSMUSG00000025262.9,Fam120c,protein_coding	0.05028	0.774748
ENSMUSG00000082454.4,Gm12183,processed_pseudogene	0.05023	0.894213
ENSMUSG00000044452.11,Zfp507,protein_coding	0.05021	0.720974
ENSMUSG00000039725.7,Trp53rka,protein_coding	0.05017	0.790851
ENSMUSG00000036534.7,Slc38a7,protein_coding	0.05016	0.797165
ENSMUSG00000011752.8,Pgam1,protein_coding	0.05012	0.811778
ENSMUSG00000028430.15,Nol6,protein_coding	0.05012	0.825456
ENSMUSG00000090397.2,Gm17096,lncRNA	0.05006	0.920962
ENSMUSG00000031910.15,Has3,protein_coding	0.05001	0.873787
ENSMUSG00000041351.17,Rap1gap,protein_coding	0.05001	0.867781
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ENSMUSG00000030075.11,Cntn3,protein_coding	0.05	0.837592
ENSMUSG00000048696.12,Mex3d,protein_coding	0.05	0.814469
ENSMUSG00000028514.17,Usp24,protein_coding	0.04999	0.745631
ENSMUSG00000047146.18,Tet1,protein_coding	0.04999	0.811003
ENSMUSG00000056749.8,Nfil3,protein_coding	0.04997	0.842887
ENSMUSG00000020864.14,Ankrd40,protein_coding	0.04997	0.74112

ENSMUSG00000063904.5,Dpp3,protein_coding	0.04993	0.797967
ENSMUSG00000036026.16,Tmem63b,protein_coding	0.04989	0.839596
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ENSMUSG00000005883.16,Spo11,protein_coding	0.04983	0.96753
ENSMUSG00000025894.12,Aasdhppt,protein_coding	0.0498	0.850939
ENSMUSG00000024767.12,Otub1,protein_coding	0.04973	0.861298
ENSMUSG00000028453.11,Fancg,protein_coding	0.04969	0.854706
ENSMUSG00000107165.2,Gm43747,TEC	0.04967	0.892718
ENSMUSG00000029507.17,Pus1,protein_coding	0.04966	0.872702
ENSMUSG00000036790.6,Slitrk2,protein_coding	0.04965	0.834353
ENSMUSG00000030603.17,Psmc4,protein_coding	0.04961	0.808719
ENSMUSG00000048240.16,Gng7,protein_coding	0.04961	0.946129
ENSMUSG00000060183.8,Cxcl11,protein_coding	0.04954	0.965442
ENSMUSG00000021072.13,Tmx1,protein_coding	0.04953	0.832546
ENSMUSG00000059263.10,Usp47,protein_coding	0.04951	0.715719
ENSMUSG00000103984.2,Gm37447,TEC	0.04951	0.894317
ENSMUSG00000060510.15,Zfp266,protein_coding	0.0495	0.758089
ENSMUSG00000040537.18,Adam22,protein_coding	0.04944	0.795375
ENSMUSG00000034853.17,Acot11,protein_coding	0.04941	0.790021
ENSMUSG00000040560.11,Wdr7,protein_coding	0.04939	0.781285
ENSMUSG00000079480.4,Pin4,protein_coding	0.04937	0.856699
ENSMUSG00000033565.20,Rbfox2,protein_coding	0.04927	0.813955
ENSMUSG00000022505.10,Emp2,protein_coding	0.04926	0.805802
ENSMUSG00000096959.3,4930509G22Rik,lncRNA	0.04923	0.924803
ENSMUSG00000040549.17,Ckap5,protein_coding	0.04919	0.727242
ENSMUSG00000051790.16,Nlgn2,protein_coding	0.04919	0.846904
ENSMUSG00000097523.5,1700022N22Rik,lncRNA	0.04917	0.91856
ENSMUSG00000026049.12,Tex30,protein_coding	0.04915	0.945254
ENSMUSG00000031691.15,Tnpo2,protein_coding	0.04909	0.794129
ENSMUSG00000044636.7,Csrnp2,protein_coding	0.04909	0.828985
ENSMUSG00000028530.15,Jak1,protein_coding	0.04907	0.738834
ENSMUSG00000005873.7,Reep5,protein_coding	0.04904	0.823315
ENSMUSG00000029640.18,Usp12,protein_coding	0.04902	0.750733
ENSMUSG00000058881.14,Zfp516,protein_coding	0.04902	0.825109
ENSMUSG00000024661.8,Fth1,protein_coding	0.04901	0.804274
ENSMUSG00000039463.16,Slc9a8,protein_coding	0.04898	0.804769
ENSMUSG00000031974.9,Abcb10,protein_coding	0.04898	0.836288
ENSMUSG00000028282.13,Casp8ap2,protein_coding	0.04896	0.879348
ENSMUSG00000103672.2,Gm37621,TEC	0.04892	0.904194
ENSMUSG00000087373.9,Gm15892,lncRNA	0.0489	0.88218
ENSMUSG00000035062.14,Zc4h2,protein_coding	0.0489	0.852693
ENSMUSG00000101823.2,Gm29438,TEC	0.04889	0.90161
ENSMUSG00000078773.12,Rad54b,protein_coding	0.04885	0.954472
ENSMUSG00000045409.17,Trim39,protein_coding	0.04884	0.824026
ENSMUSG00000071657.13,Bscl2,protein_coding	0.04882	0.789053
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ENSMUSG00000037742.15,Eef1a1,protein_coding	0.0487	0.898624
ENSMUSG00000062825.16,Actg1,protein_coding	0.04865	0.847379
ENSMUSG00000079477.10,Rab7,protein_coding	0.04856	0.730195
ENSMUSG00000051586.18,Mical3,protein_coding	0.04853	0.824123
ENSMUSG00000062997.7,Rpl35,protein_coding	0.04853	0.911492
ENSMUSG00000003410.9,Elavl3,protein_coding	0.04848	0.790154

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ENSMUSG00000020770.14,Unk,protein_coding	0.04841	0.832049
ENSMUSG00000026578.7,Ccdc181,protein_coding	0.04839	0.819068
ENSMUSG00000016382.16,Pls3,protein_coding	0.04838	0.823065
ENSMUSG00000051118.10,Or7d10,protein_coding	0.04838	0.885781
ENSMUSG00000020182.17,Ddc,protein_coding	0.04837	0.959911
ENSMUSG00000029397.16,Rchy1,protein_coding	0.04837	0.754267
ENSMUSG00000034707.8,Gns,protein_coding	0.04832	0.814432
ENSMUSG00000065822.3,Snord15a,snoRNA	0.04826	0.915076
ENSMUSG00000032307.17,Ube2q2,protein_coding	0.04826	0.802014
ENSMUSG00000071341.5,Egr4,protein_coding	0.04824	0.941233
ENSMUSG00000062198.6,2700097O09Rik,protein_coding	0.04821	0.874916
ENSMUSG00000033323.15,Ctdp1,protein_coding	0.0482	0.790189
ENSMUSG00000032396.18,Dis3l,protein_coding	0.0482	0.752771
ENSMUSG00000016181.11,Utp25,protein_coding	0.04817	0.775068
ENSMUSG00000022016.18,Akap11,protein_coding	0.04815	0.796126
ENSMUSG00000030789.10,Itgax,protein_coding	0.04814	0.966612
ENSMUSG00000034007.11,Scaper,protein_coding	0.04813	0.762138
ENSMUSG00000023965.14,Fbxl17,protein_coding	0.04811	0.738612
ENSMUSG00000093483.4,AA465934,lncRNA	0.04808	0.903835
ENSMUSG00000037526.8,Atg14,protein_coding	0.04806	0.763265
ENSMUSG00000000374.9,Trappc10,protein_coding	0.04805	0.705298
ENSMUSG00000004937.7,Sgta,protein_coding	0.04801	0.846324
ENSMUSG00000014956.16,Ppp1cb,protein_coding	0.04799	0.834211
ENSMUSG00000035954.11,Dock4,protein_coding	0.04799	0.836998
ENSMUSG00000035781.16,R3hdm4,protein_coding	0.04799	0.873207
ENSMUSG00000050914.17,Ankrd37,protein_coding	0.04793	0.870039
ENSMUSG00000029001.16,Fbxo44,protein_coding	0.04792	0.852924
ENSMUSG00000033161.11,Atp1a1,protein_coding	0.04789	0.838261
ENSMUSG00000039717.17,Ralyl,protein_coding	0.04786	0.810219
ENSMUSG00000120766.2,Gm57027,lncRNA	0.04784	0.913327
ENSMUSG00000049775.17,Tmsb4x,protein_coding	0.04783	0.85079
ENSMUSG00000043639.16,Rbm20,protein_coding	0.0478	0.842649
ENSMUSG00000040760.12,Appl1,protein_coding	0.04773	0.791132
ENSMUSG00000013822.8,Elof1,protein_coding	0.04773	0.840716
ENSMUSG00000020219.8,Timm13,protein_coding	0.04773	0.886811
ENSMUSG00000029135.11,Fosl2,protein_coding	0.04772	0.87626
ENSMUSG00000067925.5,Rtl8a,protein_coding	0.04772	0.890952
ENSMUSG00000078876.12,Gm14408,protein_coding	0.04771	0.882206
ENSMUSG00000063457.15,Rps15,protein_coding	0.04771	0.890275
ENSMUSG00000015476.7,Prrt1,protein_coding	0.0477	0.857636
ENSMUSG00000048779.6,P2ry6,protein_coding	0.04767	0.958946
ENSMUSG00000048058.18,Ldlrad3,protein_coding	0.04766	0.827286
ENSMUSG00000034342.10,Cbl,protein_coding	0.04753	0.716552
ENSMUSG00000020818.17,Mfsd11,protein_coding	0.0475	0.77292
ENSMUSG00000057666.19,Gapdh,protein_coding	0.04747	0.851457
ENSMUSG00000027879.10,Sec22b,protein_coding	0.04745	0.787977
ENSMUSG00000001376.18,Vps50,protein_coding	0.04742	0.770408
ENSMUSG00000019194.16,Scn1b,protein_coding	0.04739	0.839334
ENSMUSG00000027799.13,Nbea,protein_coding	0.04739	0.825102
ENSMUSG00000121134.2,Gm57446,lncRNA	0.04736	0.888322
ENSMUSG00000033450.9,Tagap,protein_coding	0.04731	0.957614

ENSMUSG00000025591.7,Tma16,protein_coding	0.04728	0.840406
ENSMUSG00000020532.19,Acaca,protein_coding	0.04725	0.717971
ENSMUSG00000021986.10,Amer2,protein_coding	0.04724	0.819048
ENSMUSG00000039713.18,Plekhg5,protein_coding	0.04722	0.897518
ENSMUSG00000000441.18,Raf1,protein_coding	0.04721	0.77214
ENSMUSG00000031290.15,Lrch2,protein_coding	0.04714	0.830271
ENSMUSG00000025586.18,Cpeb1,protein_coding	0.04713	0.816291
ENSMUSG00000014164.16,Klhl3,protein_coding	0.04707	0.843962
ENSMUSG00000026811.19,St6galnac6,protein_coding	0.04705	0.828747
ENSMUSG00000039908.15,Slc26a11,protein_coding	0.047	0.881835
ENSMUSG00000029757.17,Dync1i1,protein_coding	0.04698	0.83521
ENSMUSG00000022146.13,Osmr,protein_coding	0.04698	0.91377
ENSMUSG00000067924.5,Rtl8b,protein_coding	0.04694	0.88179
ENSMUSG00000027219.14,Slc28a2,protein_coding	0.04693	0.971401
ENSMUSG00000000552.11,Zfp385a,protein_coding	0.04693	0.863531
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ENSMUSG00000081272.2,Ap2m1-ps,transcribed_processed_pseudogene	0.04682	0.862157
ENSMUSG00000020691.14,Mettl2,protein_coding	0.04676	0.846197
ENSMUSG00000002871.15,Tpra1,protein_coding	0.04676	0.855247
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ENSMUSG00000025190.14,Got1,protein_coding	0.04665	0.857249
ENSMUSG00000031138.5,F9,protein_coding	0.04655	0.981516
ENSMUSG00000097265.4,Gm55122,lncRNA	0.0465	0.892378
ENSMUSG00000026204.16,Ptprn,protein_coding	0.0465	0.892878
ENSMUSG00000028373.17,Astn2,protein_coding	0.04647	0.877068
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ENSMUSG00000023932.10,Cdc5l,protein_coding	0.04617	0.76941
ENSMUSG00000040387.17,Klhl32,protein_coding	0.04613	0.781811
ENSMUSG00000103931.2,Gm36962,TEC	0.04611	0.924113
ENSMUSG00000074797.12,Itpa,protein_coding	0.04607	0.818521
ENSMUSG00000002881.15,Nab1,protein_coding	0.04605	0.831365
ENSMUSG00000026596.14,Abl2,protein_coding	0.04603	0.687038
ENSMUSG00000032735.16,Ablim3,protein_coding	0.04601	0.890513
ENSMUSG00000120762.2,Gm57026,lncRNA	0.04601	0.950341
ENSMUSG00000040128.10,Pnrc1,protein_coding	0.04599	0.827189
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ENSMUSG00000039611.3,Pgap4,protein_coding	0.04597	0.853635
ENSMUSG00000045348.17,Nyap1,protein_coding	0.04596	0.878377
ENSMUSG00000042502.11,Cd2bp2,protein_coding	0.04591	0.797687
ENSMUSG00000096054.4,Syne1,protein_coding	0.04583	0.869532
ENSMUSG00000098274.8,Rpl24,protein_coding	0.04581	0.912407
ENSMUSG00000042096.16,Dao,protein_coding	0.04578	0.955129

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ENSMUSG00000030556.14,Lrrc28,protein_coding	0.04578	0.788351
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ENSMUSG00000042763.10,Maneal,protein_coding	0.04577	0.831908
ENSMUSG00000037617.13,Spag1,protein_coding	0.04575	0.806776
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ENSMUSG00000109945.3,Gm45601,lncRNA	0.04567	0.916184
ENSMUSG00000003752.10,Itpkc,protein_coding	0.04564	0.853787
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ENSMUSG00000045975.9,C2cd2,protein_coding	0.04562	0.797731
ENSMUSG00000026374.15,Tsn,protein_coding	0.0455	0.738572
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ENSMUSG00000036256.14,Igfbp7,protein_coding	0.04539	0.893413
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ENSMUSG00000034639.8,Setmar,protein_coding	0.04531	0.887645
ENSMUSG00000045031.19,Cetn4,protein_coding	0.04525	0.869224
ENSMUSG00000110972.2,5830462O15Rik,TEC	0.04524	0.922446
ENSMUSG00000118667.1,Ahnak2,protein_coding	0.04522	0.962271
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ENSMUSG00000028221.4,Pip4p2,protein_coding	0.04518	0.870359
ENSMUSG00000020022.18,Ndufa12,protein_coding	0.04517	0.870976
ENSMUSG00000104861.3,3110039M20Rik,lncRNA	0.04516	0.936235
ENSMUSG00000021286.9,Zfyve21,protein_coding	0.04516	0.891545
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ENSMUSG00000060227.16,Golm2,protein_coding	0.04499	0.811906
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ENSMUSG00000023075.10,Akirin1,protein_coding	0.04494	0.823685
ENSMUSG00000035575.12,Utp6,protein_coding	0.04487	0.785174
ENSMUSG00000050017.12,Pitpnb,protein_coding	0.04486	0.740029
ENSMUSG00000074449.4,Potefam3a,protein_coding	0.0448	0.907094
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ENSMUSG00000056854.5,Pou3f4,protein_coding	0.04446	0.906206
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ENSMUSG00000046056.16,Sbsn,protein_coding	0.04436	0.90588
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ENSMUSG00000022905.13,Kpna1,protein_coding	0.04427	0.816613
ENSMUSG00000024750.12,Zfand5,protein_coding	0.04424	0.868699
ENSMUSG00000002010.18,Idh3g,protein_coding	0.0442	0.811255
ENSMUSG00000032038.8,St3gal4,protein_coding	0.0442	0.838871
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ENSMUSG00000034532.10,Fbxo16,protein_coding	0.04417	0.896299
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ENSMUSG00000026469.15,Xpr1,protein_coding	0.04406	0.756124
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ENSMUSG00000042460.6,C1galt1,protein_coding	0.04374	0.892066
ENSMUSG00000068856.4,Sf3b4,protein_coding	0.04371	0.849287
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ENSMUSG00000056019.13,Zfp709,protein_coding	0.04366	0.864329
ENSMUSG00000063856.9,Gpx1,protein_coding	0.0436	0.876718
ENSMUSG00000024346.7,Pfdn1,protein_coding	0.04359	0.834589
ENSMUSG00000106579.2,Gm42771,TEC	0.04357	0.90813
ENSMUSG00000017119.21,Nbr1,protein_coding	0.04354	0.708157
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ENSMUSG00000058600.14,Rpl30,protein_coding	0.04354	0.913373
ENSMUSG00000126219.1,ENSMUSG00000126219,lncRNA	0.04354	0.918103
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ENSMUSG00000074649.7,Mmp24os1,protein_coding	0.04345	0.888239
ENSMUSG00000002814.16,Top3a,protein_coding	0.04344	0.911569
ENSMUSG00000039166.17,Akap7,protein_coding	0.04341	0.880166
ENSMUSG00000028572.14,Hook1,protein_coding	0.04339	0.85575
ENSMUSG00000026283.14,Ing5,protein_coding	0.04335	0.82574
ENSMUSG00000039244.11,Ints15,protein_coding	0.04333	0.865643
ENSMUSG00000038740.10,Mvb12b,protein_coding	0.0433	0.828484
ENSMUSG00000004929.13,Thop1,protein_coding	0.04329	0.866168
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ENSMUSG00000025217.16,Btrc,protein_coding	0.04314	0.798413
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ENSMUSG00000042729.12,Wdr74,protein_coding	0.0431	0.873643
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ENSMUSG00000010064.16,Slc38a3,protein_coding	0.0429	0.838628
ENSMUSG00000106691.2,2700029L08Rik,TEC	0.04289	0.917376
ENSMUSG00000053536.8,Cstf2t,protein_coding	0.04289	0.81175
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ENSMUSG00000074030.4,Exoc8,protein_coding	0.04277	0.836572
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ENSMUSG00000023262.14,Acy1,protein_coding	0.04274	0.871262
ENSMUSG00000103651.2,Gm37206,TEC	0.0427	0.899267
ENSMUSG00000038168.6,P3h2,protein_coding	0.04265	0.899293
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ENSMUSG00000056222.16,Spock1,protein_coding	0.04255	0.824697
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ENSMUSG00000021569.11,Trip13,protein_coding	0.0423	0.970838
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ENSMUSG00000024962.14,Vegfb,protein_coding	0.04223	0.850872
ENSMUSG00000034379.10,Wdr5b,protein_coding	0.04222	0.896188
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ENSMUSG00000025351.15,Cd63,protein_coding	0.04219	0.889908
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ENSMUSG00000022490.8,Ppp1r1a,protein_coding	0.04203	0.912712
ENSMUSG00000028868.14,Wasf2,protein_coding	0.04202	0.907321
ENSMUSG00000056476.14,Med12l,protein_coding	0.04201	0.766971
ENSMUSG00000106978.3,N4bp2os,lncRNA	0.04199	0.904234
ENSMUSG00000031425.16,Plp1,protein_coding	0.04198	0.866182
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ENSMUSG00000079658.10,Eloc,protein_coding	0.04163	0.83986
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ENSMUSG00000028975.17,Pex14,protein_coding	0.04152	0.833916
ENSMUSG00000002803.15,Btbd6,protein_coding	0.04151	0.860655
ENSMUSG00000035168.17,Tanc1,protein_coding	0.04146	0.816928
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ENSMUSG00000114003.2,Gm9616,processed_pseudogene	0.04132	0.958241
ENSMUSG00000043262.17,Uevld,protein_coding	0.0413	0.797235

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ENSMUSG00000005682.10,Pan2,protein_coding	0.04124	0.829914
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ENSMUSG00000058076.13,Sdhc,protein_coding	0.04092	0.84845
ENSMUSG00000049036.8,Tmem121,protein_coding	0.04092	0.919587
ENSMUSG00000042010.17,Acacb,protein_coding	0.04092	0.906805
ENSMUSG00000131602.1,ENSMUSG00000131602,lncRNA	0.04091	0.923399
ENSMUSG00000038417.5,Fig4,protein_coding	0.04087	0.806852
ENSMUSG00000010936.12,Vac14,protein_coding	0.04086	0.835313
ENSMUSG00000120873.2,3300002P09Rik,lncRNA	0.04084	0.954522
ENSMUSG00000017615.13,Tnfaip1,protein_coding	0.04081	0.773915
ENSMUSG00000107176.2,Gm9794,processed_pseudogene	0.04079	0.931315
ENSMUSG00000058291.15,Zfp68,protein_coding	0.04073	0.819761
ENSMUSG00000039294.15,Cybc1,protein_coding	0.04066	0.925773
ENSMUSG00000043702.10,Pde12,protein_coding	0.04065	0.85564
ENSMUSG00000104795.2,Gm42783,TEC	0.04055	0.905327
ENSMUSG00000105970.2,Gm43360,TEC	0.04048	0.870771
ENSMUSG00000073433.12,Arhgdig,protein_coding	0.04047	0.938009
ENSMUSG00000036667.15,Tcaf1,protein_coding	0.04042	0.841739
ENSMUSG00000081603.2,Gm14681,transcribed_processed_pseudogene	0.0403	0.955102
ENSMUSG00000075227.7,Znhit2,protein_coding	0.0403	0.915587
ENSMUSG00000020752.12,Recql5,protein_coding	0.04025	0.844598
ENSMUSG00000122712.1,ENSMUSG00000122712,lncRNA	0.04023	0.915196
ENSMUSG00000026721.17,Rabgap1l,protein_coding	0.04017	0.830844
ENSMUSG00000039298.17,Cdk5rap2,protein_coding	0.04017	0.882998
ENSMUSG00000113341.2,9430031K09Rik,TEC	0.04016	0.894984
ENSMUSG00000020794.14,Ube2g1,protein_coding	0.04015	0.865685
ENSMUSG00000038914.16,Dido1,protein_coding	0.04013	0.748726
ENSMUSG00000024913.17,Lrp5,protein_coding	0.04008	0.872807
ENSMUSG00000023972.11,Ptk7,protein_coding	0.04007	0.877869
ENSMUSG00000041716.8,Gm20604,protein_coding	0.04006	0.845337
ENSMUSG00000005069.13,Pex5,protein_coding	0.04004	0.853507
ENSMUSG00000026649.15,Cfap126,protein_coding	0.03993	0.946982
ENSMUSG00000041355.14,Ssr2,protein_coding	0.03991	0.858328
ENSMUSG00000090213.2,Peds1,protein_coding	0.03988	0.847653
ENSMUSG00000025810.10,Nrp1,protein_coding	0.03981	0.879829
ENSMUSG00000037563.16,Rps16,protein_coding	0.0398	0.93811
ENSMUSG00000104571.2,Gm43010,TEC	0.03979	0.927404
ENSMUSG00000026768.11,Itga8,protein_coding	0.03977	0.926544
ENSMUSG00000022475.20,Hdac7,protein_coding	0.03976	0.85441
ENSMUSG00000027963.15,Extl2,protein_coding	0.03973	0.843582
ENSMUSG00000074800.5,Gm4149,processed_pseudogene	0.03971	0.919122
ENSMUSG00000015968.19,Cacna1d,protein_coding	0.03971	0.8282
ENSMUSG00000038569.14,Rad9b,protein_coding	0.0397	0.915345
ENSMUSG00000032652.14,Crebl2,protein_coding	0.03965	0.834849

ENSMUSG00000121082.1,5730424H11Rik,lncRNA	0.03965	0.916409
ENSMUSG00000105023.3,1700012D16Rik,lncRNA	0.03965	0.956038
ENSMUSG00000074039.12,4930520O04Rik,lncRNA	0.03964	0.930235
ENSMUSG00000020109.14,Dnajb12,protein_coding	0.03964	0.813377
ENSMUSG00000038982.11,Bloc1s5,protein_coding	0.03963	0.804652
ENSMUSG00000028519.17,Dab1,protein_coding	0.0396	0.868935
ENSMUSG00000031971.16,Ccsap,protein_coding	0.03958	0.88632
ENSMUSG00000037341.15,Slc9a7,protein_coding	0.03958	0.812763
ENSMUSG00000059422.6,Gm8116,processed_pseudogene	0.03956	0.894269
ENSMUSG00000026554.16,Dcaf8,protein_coding	0.03956	0.733822
ENSMUSG00000021460.18,Auh,protein_coding	0.03952	0.790594
ENSMUSG00000022382.16,Wnt7b,protein_coding	0.0395	0.908524
ENSMUSG00000031576.17,Kcnu1,protein_coding	0.03949	0.934984
ENSMUSG00000078908.11,Mon1b,protein_coding	0.03944	0.788087
ENSMUSG00000073755.5,5730409E04Rik,protein_coding	0.0394	0.874523
ENSMUSG00000121868.2,Gm15506,lncRNA	0.0393	0.871125
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ENSMUSG00000089774.3,Slc5a3,protein_coding	0.03913	0.826322
ENSMUSG00000023942.16,Slc29a1,protein_coding	0.03911	0.878913
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ENSMUSG00000015790.17,Surf1,protein_coding	0.03908	0.862723
ENSMUSG00000022973.19,Synj1,protein_coding	0.03907	0.864784
ENSMUSG00000033389.17,Arhgap44,protein_coding	0.03903	0.872733
ENSMUSG00000071649.7,B3gat3,protein_coding	0.03903	0.887427
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ENSMUSG00000005950.15,P2rx5,protein_coding	0.03897	0.956099
ENSMUSG00000084771.11,A230072E10Rik,lncRNA	0.03889	0.905017
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ENSMUSG00000075389.6,Reno1,lncRNA	0.03877	0.910914
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ENSMUSG00000039844.21,Rapgef1,protein_coding	0.0387	0.842379
ENSMUSG00000034471.13,Caskin2,protein_coding	0.03869	0.908762
ENSMUSG00000038365.9,Fbxo25,protein_coding	0.03869	0.885187
ENSMUSG00000037946.12,Fgd3,protein_coding	0.03862	0.891624
ENSMUSG00000079487.12,Med12,protein_coding	0.0386	0.853673
ENSMUSG00000038702.7,Dsel,protein_coding	0.03858	0.879661
ENSMUSG00000085058.4,8030453O22Rik,lncRNA	0.03856	0.950416
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ENSMUSG00000022750.19,Klhl22,protein_coding	0.03821	0.860681
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ENSMUSG00000025764.15,Jade1,protein_coding	0.03755	0.787659
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ENSMUSG00000036197.17,Gxylt1,protein_coding	0.03719	0.879555
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ENSMUSG00000118423.3,Lrrc70,transcribed_unitary_pseudogene	0.0369	0.962343
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ENSMUSG00000017631.20,Abr,protein_coding	0.03641	0.893288
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ENSMUSG00000031847.9,1700030J22Rik,protein_coding	0.03617	0.925455
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ENSMUSG00000009894.16,Snap47,protein_coding	0.03609	0.904583
ENSMUSG00000005354.17,Txn2,protein_coding	0.03608	0.831636
ENSMUSG00000087211.10,Lhx1os,lncRNA	0.03606	0.954435
ENSMUSG00000025893.9,Kbtbd3,protein_coding	0.03606	0.898799
ENSMUSG00000031585.14,Gtf2e2,protein_coding	0.03605	0.870245
ENSMUSG00000018821.4,Avpi1,protein_coding	0.03599	0.934756
ENSMUSG00000075000.12,Nrbf2,protein_coding	0.03599	0.844422
ENSMUSG00000022353.11,Mtss1,protein_coding	0.03596	0.899837
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ENSMUSG00000031647.11,Mfap3l,protein_coding	0.03594	0.887513

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ENSMUSG00000027220.3,Syt13,protein_coding	0.03585	0.897605
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ENSMUSG00000026185.9,Igfbp5,protein_coding	0.0353	0.868055
ENSMUSG00000055407.15,Map6,protein_coding	0.03519	0.895072
ENSMUSG00000029767.17,Calu,protein_coding	0.03518	0.820013
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ENSMUSG00000020612.17,Prkar1a,protein_coding	0.03503	0.835803
ENSMUSG00000078923.11,Ube2v1,protein_coding	0.03501	0.885899
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ENSMUSG00000042208.17,Sanbr,protein_coding	0.03496	0.849691
ENSMUSG00000025745.13,Hadha,protein_coding	0.03493	0.836959
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ENSMUSG00000032402.13,Smad3,protein_coding	0.03492	0.889966
ENSMUSG00000037458.16,Azin1,protein_coding	0.03491	0.874271
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ENSMUSG00000023755.11,Rhebl1,protein_coding	0.03487	0.925628
ENSMUSG00000042408.14,Zmym6,protein_coding	0.03486	0.850946
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ENSMUSG00000038173.16,Enpp6,protein_coding	0.03484	0.918161
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ENSMUSG00000002524.18,Puf60,protein_coding	0.03473	0.844633
ENSMUSG00000027384.7,Ndufaf5,protein_coding	0.03472	0.878235
ENSMUSG00000019832.6,Rab32,protein_coding	0.03469	0.943969
ENSMUSG00000002265.18,Peg3,protein_coding	0.03468	0.854802
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ENSMUSG00000102733.2,Gm38262,TEC	0.03459	0.947191
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ENSMUSG00000017929.14,B4galt5,protein_coding	0.03449	0.80735
ENSMUSG00000104416.2,Gm37067,TEC	0.03448	0.909571
ENSMUSG00000034538.9,Zfp418,protein_coding	0.03445	0.846143
ENSMUSG00000107283.4,Mpv17,protein_coding	0.03445	0.837349
ENSMUSG00000021681.9,Aggf1,protein_coding	0.0344	0.810455
ENSMUSG00000029478.17,Ncor2,protein_coding	0.03439	0.879708
ENSMUSG00000060257.3,Scrt2,protein_coding	0.03438	0.915713
ENSMUSG00000038650.16,Rnh1,protein_coding	0.03432	0.897877
ENSMUSG00000038489.9,Polr2l,protein_coding	0.03426	0.906706
ENSMUSG00000024975.14,Pdcd4,protein_coding	0.03425	0.845593
ENSMUSG00000022538.21,Lsg1,protein_coding	0.03418	0.899311
ENSMUSG00000021939.9,Ctsb,protein_coding	0.03413	0.848509
ENSMUSG00000107454.2,Gm43875,TEC	0.03408	0.935669
ENSMUSG00000030269.15,Mtmr14,protein_coding	0.03406	0.962239
ENSMUSG00000027673.13,Ndufb5,protein_coding	0.03405	0.841786
ENSMUSG00000028772.20,Zcchc17,protein_coding	0.03402	0.848034
ENSMUSG00000045316.6,Fahd1,protein_coding	0.03401	0.915816
ENSMUSG00000008658.18,Rbfox1,protein_coding	0.03399	0.900537
ENSMUSG00000102642.2,A130048G24Rik,TEC	0.03399	0.946668
ENSMUSG00000018565.18,Elp5,protein_coding	0.03396	0.901798
ENSMUSG00000020079.16,Supv3l1,protein_coding	0.03394	0.844918
ENSMUSG00000079481.12,Nhsl2,protein_coding	0.03391	0.878832
ENSMUSG00000052160.8,Pld4,protein_coding	0.0339	0.961317
ENSMUSG00000033972.10,Zfp944,protein_coding	0.03388	0.944907
ENSMUSG00000033676.14,Gabrb3,protein_coding	0.03386	0.901558
ENSMUSG00000037013.18,Ss18,protein_coding	0.03382	0.908682
ENSMUSG00000064359.1,mt-Tg,Mt_tRNA	0.0338	0.939974
ENSMUSG00000135280.1,ENSMUSG00000135280,lncRNA	0.03375	0.931388
ENSMUSG00000108750.2,Gm44750,TEC	0.03372	0.948824
ENSMUSG00000005469.11,Prkaca,protein_coding	0.03371	0.903984
ENSMUSG00000026880.12,Stom,protein_coding	0.0337	0.905463
ENSMUSG00000087361.9,0610043K17Rik,lncRNA	0.03366	0.922382
ENSMUSG00000030007.9,Cct7,protein_coding	0.03363	0.86319
ENSMUSG00000031922.13,Cep57,protein_coding	0.03355	0.914705
ENSMUSG00000013593.13,Ndufs2,protein_coding	0.03354	0.866189
ENSMUSG00000029059.10,Prxl2b,protein_coding	0.0335	0.9045

ENSMUSG00000137097.1,ENSMUSG00000137097,lncRNA	0.0335	0.935192
ENSMUSG00000086842.3,Gm15681,processed_pseudogene	0.0335	0.94577
ENSMUSG00000029500.17,Pgam5,protein_coding	0.03348	0.86715
ENSMUSG00000014550.15,Rbsn,protein_coding	0.03344	0.785122
ENSMUSG00000032743.16,Katnip,protein_coding	0.03343	0.841215
ENSMUSG00000056121.17,Fez2,protein_coding	0.03341	0.871767
ENSMUSG00000011837.5,Snapc2,protein_coding	0.03339	0.91565
ENSMUSG00000031590.9,Frg1,protein_coding	0.03334	0.867764
ENSMUSG00000026017.14,Carf,protein_coding	0.03333	0.860295
ENSMUSG00000013033.17,Adgrl1,protein_coding	0.03333	0.899417
ENSMUSG00000042548.15,Asxl1,protein_coding	0.03332	0.830226
ENSMUSG00000034850.16,Tmem127,protein_coding	0.03329	0.854965
ENSMUSG00000041135.16,Ripk2,protein_coding	0.03329	0.921409
ENSMUSG00000052914.5,Cyp2j6,protein_coding	0.03326	0.84965
ENSMUSG00000026718.18,Stam,protein_coding	0.03326	0.811525
ENSMUSG00000040841.6,Six5,protein_coding	0.03325	0.937371
ENSMUSG00000072889.10,Nfxl1,protein_coding	0.03325	0.872027
ENSMUSG00000041879.14,Ipo9,protein_coding	0.03324	0.820604
ENSMUSG00000049649.9,Gpr3,protein_coding	0.03323	0.939381
ENSMUSG00000073147.6,5031425E22Rik,lncRNA	0.03319	0.888132
ENSMUSG00000022110.14,Sucla2,protein_coding	0.03314	0.876912
ENSMUSG00000039345.17,Mettl22,protein_coding	0.03312	0.885624
ENSMUSG00000061207.12,Stk19,protein_coding	0.03311	0.861034
ENSMUSG00000031930.12,Wwp2,protein_coding	0.03306	0.858625
ENSMUSG00000021929.10,Kpna3,protein_coding	0.03302	0.881416
ENSMUSG00000030432.13,Rpl28,protein_coding	0.03299	0.941078
ENSMUSG00000033352.12,Map2k4,protein_coding	0.0329	0.859374
ENSMUSG00000086782.5,E130102H24Rik,lncRNA	0.03288	0.920642
ENSMUSG00000039763.11,Dnajc28,protein_coding	0.03288	0.871719
ENSMUSG00000042207.18,Kdm5b,protein_coding	0.03285	0.799262
ENSMUSG00000110444.4,Gm10033,protein_coding	0.03282	0.922144
ENSMUSG00000025855.14,Prkar1b,protein_coding	0.03275	0.921882
ENSMUSG00000035765.11,Dym,protein_coding	0.03274	0.826888
ENSMUSG00000109606.2,Gm45537,TEC	0.03272	0.930167
ENSMUSG00000003348.11,Mob3a,protein_coding	0.03268	0.916651
ENSMUSG00000120881.2,Gm56664,lncRNA	0.03267	0.964262
ENSMUSG00000097462.10,9530026P05Rik,lncRNA	0.03266	0.903216
ENSMUSG00000021687.15,Scamp1,protein_coding	0.03265	0.876914
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ENSMUSG00000003824.13,Syce2,protein_coding	0.03264	0.952846
ENSMUSG00000057134.8,Ado,protein_coding	0.03263	0.83592
ENSMUSG00000052406.15,Rexo4,protein_coding	0.03258	0.850713
ENSMUSG00000039047.18,Pigk,protein_coding	0.03251	0.821951
ENSMUSG00000034345.15,Gtf2h5,protein_coding	0.0325	0.843164
ENSMUSG00000052557.12,Gan,protein_coding	0.03248	0.797162
ENSMUSG00000029577.14,Ube3b,protein_coding	0.03246	0.855196
ENSMUSG00000025076.13,Casp7,protein_coding	0.03241	0.95559
ENSMUSG00000047044.8,D030056L22Rik,protein_coding	0.03239	0.867099
ENSMUSG00000020601.9,Trib2,protein_coding	0.03238	0.878428
ENSMUSG00000028211.12,Trp53inp1,protein_coding	0.03238	0.958194
ENSMUSG00000034675.18,Dbn1,protein_coding	0.03236	0.923162
ENSMUSG00000006423.16,Steep1,protein_coding	0.03231	0.834849

ENSMUSG00000020841.6,Cpd,protein_coding	0.03229	0.846987
ENSMUSG00000030738.12,Eif3c,protein_coding	0.03227	0.894315
ENSMUSG00000070923.5,Klhl9,protein_coding	0.03225	0.852376
ENSMUSG00000091575.4,2010016I18Rik,lncRNA	0.03215	0.974748
ENSMUSG00000042015.19,Wdr41,protein_coding	0.03214	0.797393
ENSMUSG00000039275.10,Foxk2,protein_coding	0.03211	0.845727
ENSMUSG00000023861.19,Mpc1,protein_coding	0.03211	0.902343
ENSMUSG00000039197.11,Adk,protein_coding	0.03211	0.85072
ENSMUSG00000013367.6,Iglon5,protein_coding	0.03211	0.891114
ENSMUSG00000021066.10,Atl1,protein_coding	0.0321	0.88481
ENSMUSG00000022108.9,Itm2b,protein_coding	0.03208	0.884058
ENSMUSG00000029771.13,Irf5,protein_coding	0.03208	0.980133
ENSMUSG00000074136.11,4930513N10Rik,lncRNA	0.03205	0.965167
ENSMUSG00000028106.14,Rprd2,protein_coding	0.03204	0.785129
ENSMUSG00000135486.1,ENSMUSG00000135486,lncRNA	0.03203	0.963598
ENSMUSG00000024327.17,Slc39a7,protein_coding	0.03202	0.871521
ENSMUSG00000074093.5,Svip,protein_coding	0.032	0.864118
ENSMUSG00000027297.16,Ltk,protein_coding	0.03198	0.939716
ENSMUSG00000038633.6,Degs1,protein_coding	0.03194	0.880109
ENSMUSG00000034327.19,Kctd9,protein_coding	0.03193	0.916452
ENSMUSG00000053617.13,Sh3pxd2a,protein_coding	0.03193	0.882942
ENSMUSG00000049532.12,Sall2,protein_coding	0.0319	0.891142
ENSMUSG00000029016.14,Clcn6,protein_coding	0.03187	0.88705
ENSMUSG00000020657.17,Dnajc27,protein_coding	0.03186	0.892309
ENSMUSG00000020307.17,Cdc34,protein_coding	0.03183	0.884098
ENSMUSG00000056367.15,Actr3b,protein_coding	0.03183	0.916278
ENSMUSG00000097239.8,Gm27029,protein_coding	0.03182	0.96865
ENSMUSG00000106356.2,Gm42438,TEC	0.03181	0.944315
ENSMUSG00000020850.15,Prpf8,protein_coding	0.03175	0.884891
ENSMUSG00000074247.11,Dda1,protein_coding	0.03173	0.8845
ENSMUSG00000103630.2,Gm37242,TEC	0.03169	0.923517
ENSMUSG00000039354.17,Smarcal1,protein_coding	0.03163	0.860342
ENSMUSG00000030451.17,Herc2,protein_coding	0.03161	0.855551
ENSMUSG00000022391.17,Rangap1,protein_coding	0.0316	0.898868
ENSMUSG00000029247.18,Paics,protein_coding	0.03157	0.892175
ENSMUSG00000022472.17,Desi1,protein_coding	0.03156	0.841023
ENSMUSG00000016637.8,Ift27,protein_coding	0.0315	0.889738
ENSMUSG00000121277.2,Gm57184,lncRNA	0.03145	0.882188
ENSMUSG00000038048.9,Cntnap5c,protein_coding	0.03141	0.912131
ENSMUSG00000042426.7,Dhx29,protein_coding	0.03139	0.853296
ENSMUSG00000073485.5,H3f3aos,lncRNA	0.03136	0.942602
ENSMUSG00000004508.7,Gab2,protein_coding	0.03133	0.840427
ENSMUSG00000030060.15,Hmces,protein_coding	0.03131	0.929696
ENSMUSG00000031516.12,Dctn6,protein_coding	0.0313	0.887334
ENSMUSG00000042185.15,Nfrkb,protein_coding	0.03121	0.834303
ENSMUSG00000021540.17,Smad5,protein_coding	0.03114	0.839345
ENSMUSG00000022617.16,Chkb,protein_coding	0.03109	0.909637
ENSMUSG00000040327.17,Cul9,protein_coding	0.03109	0.89296
ENSMUSG00000029246.15,Ppat,protein_coding	0.03101	0.938904
ENSMUSG00000053436.16,Mapk14,protein_coding	0.03097	0.799378
ENSMUSG00000055022.15,Cntn1,protein_coding	0.03097	0.878909
ENSMUSG00000022913.17,Psmg1,protein_coding	0.03092	0.930773

ENSMUSG00000027900.16,Dram2,protein_coding	0.03089	0.936086
ENSMUSG00000031393.18,Mecp2,protein_coding	0.03083	0.824245
ENSMUSG00000121096.2,Gm57390,lncRNA	0.03081	0.920299
ENSMUSG00000048249.15,Crebrf,protein_coding	0.03081	0.853314
ENSMUSG00000069729.15,Arid1b,protein_coding	0.0308	0.831662
ENSMUSG00000110068.2,Gm45294,TEC	0.03072	0.920517
ENSMUSG00000034487.5,Poglut3,protein_coding	0.03071	0.898032
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ENSMUSG00000039735.17,Fnbp1l,protein_coding	0.03062	0.923663
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ENSMUSG00000026203.17,Dnajb2,protein_coding	0.03058	0.898021
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ENSMUSG00000030982.20,Vps35l,protein_coding	0.03056	0.837639
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ENSMUSG00000030816.9,Rnf40,protein_coding	0.03053	0.860785
ENSMUSG00000036860.15,Mrpl55,protein_coding	0.0305	0.918318
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ENSMUSG00000020718.13,Polg2,protein_coding	0.03044	0.942209
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ENSMUSG00000032338.10,Hcn4,protein_coding	0.0304	0.953715
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ENSMUSG00000039210.17,Gpatch2,protein_coding	0.03034	0.829153
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ENSMUSG00000055302.6,Mrfap1,protein_coding	0.0303	0.839168
ENSMUSG00000030268.18,Bcat1,protein_coding	0.03028	0.922661
ENSMUSG00000020023.19,Tmcc3,protein_coding	0.03028	0.853197
ENSMUSG00000068373.16,D430041D05Rik,protein_coding	0.03027	0.904368
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ENSMUSG00000048988.9,Elfn1,protein_coding	0.03026	0.931351
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ENSMUSG00000030423.8,Pop4,protein_coding	0.03003	0.926183
ENSMUSG00000025777.9,Gdap1,protein_coding	0.02999	0.883643
ENSMUSG00000030319.9,Cand2,protein_coding	0.02998	0.940184
ENSMUSG00000029401.9,Rilpl2,protein_coding	0.02998	0.893045
ENSMUSG00000104655.2,Gm43317,TEC	0.02997	0.940247
ENSMUSG00000031848.16,Lsm4,protein_coding	0.02987	0.942155
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ENSMUSG00000025887.11,Casp12,protein_coding	0.02978	0.957268
ENSMUSG00000017692.9,Rhbdl3,protein_coding	0.02974	0.93481
ENSMUSG00000021313.18,Ryr2,protein_coding	0.02974	0.899719
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ENSMUSG00000032040.16,Dcps,protein_coding	0.02969	0.926337
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ENSMUSG00000102863.2,Gm37639,TEC	0.02934	0.93651
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ENSMUSG00000027165.17,Iftap,protein_coding	0.02894	0.860625
ENSMUSG00000031556.7,Tm2d2,protein_coding	0.02894	0.885677
ENSMUSG00000040620.16,Dhx33,protein_coding	0.02892	0.840504
ENSMUSG00000031925.18,Maml2,protein_coding	0.02888	0.886572
ENSMUSG00000058793.15,Cds2,protein_coding	0.02886	0.892582
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ENSMUSG00000035764.6,Fbxo45,protein_coding	0.02879	0.845778
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ENSMUSG00000052387.17,Trpm3,protein_coding	0.02877	0.918261
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ENSMUSG00000027079.16,Clp1,protein_coding	0.02871	0.919391
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ENSMUSG00000000568.16,Hnrnpd,protein_coding	0.02871	0.87832

ENSMUSG00000024114.16,Prss41,protein_coding	0.0287	0.958693
ENSMUSG00000056234.16,Ncoa4,protein_coding	0.02868	0.807726
ENSMUSG00000033460.15,Armcx1,protein_coding	0.02864	0.887989
ENSMUSG00000001962.9,Fam50a,protein_coding	0.02864	0.889537
ENSMUSG00000029580.15,Actb,protein_coding	0.02861	0.914101
ENSMUSG00000078970.6,Dnaaf10,protein_coding	0.02858	0.916542
ENSMUSG00000031732.13,Phlpp2,protein_coding	0.02856	0.879892
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ENSMUSG00000033579.17,Fa2h,protein_coding	0.02839	0.915344
ENSMUSG00000022972.11,Cfap298,protein_coding	0.02829	0.911497
ENSMUSG00000033014.13,Trim33,protein_coding	0.02827	0.8885
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ENSMUSG00000022912.9,Pros1,protein_coding	0.02817	0.932052
ENSMUSG00000054675.6,Tmem119,protein_coding	0.02816	0.952785
ENSMUSG00000026991.21,Pkp4,protein_coding	0.02812	0.845568
ENSMUSG00000038084.17,Opa1,protein_coding	0.02812	0.865605
ENSMUSG00000028955.4,Vamp3,protein_coding	0.02812	0.889762
ENSMUSG00000027936.19,Crtc2,protein_coding	0.02811	0.901959
ENSMUSG00000023452.20,Pisd,protein_coding	0.0281	0.904995
ENSMUSG00000032376.13,Usp3,protein_coding	0.02809	0.950655
ENSMUSG00000020491.16,2810021J22Rik,protein_coding	0.02805	0.863284
ENSMUSG00000034321.15,Exosc1,protein_coding	0.02801	0.89226
ENSMUSG00000078851.5,H2ac25,protein_coding	0.02799	0.868288
ENSMUSG00000035900.19,Gramd4,protein_coding	0.02794	0.867902
ENSMUSG00000020415.17,Pttg1,protein_coding	0.02789	0.977916
ENSMUSG00000052369.9,Tmem106c,protein_coding	0.02788	0.913068
ENSMUSG00000082765.4,Gm14411,unprocessed_pseudogene	0.02786	0.94744
ENSMUSG00000064030.16,Pym1,protein_coding	0.02783	0.918818
ENSMUSG00000030282.15,Cmas,protein_coding	0.02782	0.881917
ENSMUSG00000071658.6,Gng3,protein_coding	0.02772	0.932991
ENSMUSG00000131103.1,ENSMUSG00000131103,lncRNA	0.02769	0.96208
ENSMUSG00000097571.12,Jpx,lncRNA	0.02768	0.912351
ENSMUSG00000102148.2,Gm38059,TEC	0.02765	0.951921
ENSMUSG00000025237.17,Parp6,protein_coding	0.0276	0.891709
ENSMUSG00000025364.14,Pa2g4,protein_coding	0.02759	0.942316
ENSMUSG00000040506.17,Ambra1,protein_coding	0.02758	0.870276
ENSMUSG00000026339.19,Ccdc93,protein_coding	0.02758	0.854352
ENSMUSG00000074489.10,Bglap3,protein_coding	0.02756	0.988325
ENSMUSG00000022018.8,Rgcc,protein_coding	0.02755	0.92499
ENSMUSG00000039568.7,Ubald1,protein_coding	0.02755	0.865681
ENSMUSG00000032536.13,Trak1,protein_coding	0.02754	0.883364
ENSMUSG00000003200.11,Sh3gl1,protein_coding	0.0275	0.874166
ENSMUSG00000050271.13,Prag1,protein_coding	0.0275	0.914194
ENSMUSG00000029647.16,Pan3,protein_coding	0.02749	0.927764
ENSMUSG00000028444.18,Cntfr,protein_coding	0.02746	0.924612
ENSMUSG00000017707.10,Serinc3,protein_coding	0.02744	0.946204
ENSMUSG00000024811.13,Tnks2,protein_coding	0.02744	0.872413
ENSMUSG00000041341.11,Atg2b,protein_coding	0.02742	0.808173

ENSMUSG00000026202.14,Tuba4a,protein_coding	0.02736	0.923513
ENSMUSG00000003731.14,Kpna6,protein_coding	0.02733	0.841488
ENSMUSG00000036941.3,Elac1,protein_coding	0.02733	0.868875
ENSMUSG00000138440.1,ENSMUSG00000138440,lncRNA	0.02731	0.961039
ENSMUSG00000009112.5,Bcl2l13,protein_coding	0.02731	0.834488
ENSMUSG00000022503.11,Nubp1,protein_coding	0.02729	0.940752
ENSMUSG00000024603.9,Dctn4,protein_coding	0.02729	0.824626
ENSMUSG00000097563.2,Gm26638,lncRNA	0.02728	0.933671
ENSMUSG00000051391.10,Ywhag,protein_coding	0.02722	0.904727
ENSMUSG00000119899.1,Gm26127,snRNA	0.0272	0.959718
ENSMUSG00000021147.18,Wdr37,protein_coding	0.02719	0.828056
ENSMUSG00000024018.19,Ccdc167,protein_coding	0.02714	0.916425
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ENSMUSG00000037624.17,Kcnk2,protein_coding	0.02706	0.937534
ENSMUSG00000010154.8,Spire2,protein_coding	0.02701	0.946025
ENSMUSG00000044864.17,Ankrd50,protein_coding	0.02698	0.852412
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ENSMUSG00000027649.16,Ctnnbl1,protein_coding	0.02697	0.913054
ENSMUSG00000048429.11,Timm29,protein_coding	0.02691	0.870198
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ENSMUSG00000022297.16,Fzd6,protein_coding	0.02688	0.918872
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ENSMUSG00000003418.12,St8sia6,protein_coding	0.02682	0.933719
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ENSMUSG00000020255.9,Nopchap1,protein_coding	0.02666	0.929127
ENSMUSG00000028394.10,Pole3,protein_coding	0.02666	0.908497
ENSMUSG00000053012.18,Krcc1,protein_coding	0.02661	0.924104
ENSMUSG00000048772.16,Tmem53,protein_coding	0.0266	0.967593
ENSMUSG00000039910.11,Cited2,protein_coding	0.0266	0.928878
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ENSMUSG00000025722.17,Wdr73,protein_coding	0.02642	0.899366
ENSMUSG00000022471.15,Xrcc6,protein_coding	0.02641	0.911246
ENSMUSG00000027011.15,Ube2e3,protein_coding	0.02637	0.904345
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ENSMUSG00000024941.10,Scyl1,protein_coding	0.02631	0.893492
ENSMUSG00000036769.15,Wdr44,protein_coding	0.02631	0.894945
ENSMUSG00000030884.13,Uqcrc2,protein_coding	0.0263	0.900112
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ENSMUSG00000030595.16,Nfkbib,protein_coding	0.02624	0.918687
ENSMUSG00000025815.15,Dhtkd1,protein_coding	0.02623	0.921717
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ENSMUSG00000027965.16,Olfm3,protein_coding	0.02615	0.953638
ENSMUSG00000039988.16,Ankrd13c,protein_coding	0.02613	0.869641

ENSMUSG00000029049.15,Morn1,protein_coding	0.02611	0.895427
ENSMUSG00000020720.14,Psmd12,protein_coding	0.0261	0.892275
ENSMUSG00000061979.9,Rcc1l,protein_coding	0.02597	0.906997
ENSMUSG00000006699.18,Cdc42,protein_coding	0.02596	0.868592
ENSMUSG00000025035.10,Arl3,protein_coding	0.02588	0.902288
ENSMUSG00000049092.12,Gpr137c,protein_coding	0.02586	0.878713
ENSMUSG00000028961.16,Pgd,protein_coding	0.02584	0.920321
ENSMUSG00000038402.3,Foxf2,protein_coding	0.02583	0.939959
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ENSMUSG00000021819.12,Zswim8,protein_coding	0.02578	0.897619
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ENSMUSG00000106570.2,C230071H17Rik,TEC	0.02574	0.947945
ENSMUSG00000105179.2,Gm42866,TEC	0.02573	0.932977
ENSMUSG00000044629.6,Cnrip1,protein_coding	0.02571	0.923205
ENSMUSG00002076083.1,Klhl17,protein_coding	0.02571	0.916772
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ENSMUSG00000078427.4,Sarnp,protein_coding	0.02567	0.937677
ENSMUSG00000027434.12,Nkx2-2,protein_coding	0.02563	0.930626
ENSMUSG00000040363.16,Bcor,protein_coding	0.02552	0.932771
ENSMUSG00000000628.11,Hk2,protein_coding	0.0255	0.968026
ENSMUSG00000022299.10,Slc25a32,protein_coding	0.02549	0.895248
ENSMUSG00000026632.18,Tatdn3,protein_coding	0.02544	0.91205
ENSMUSG00000068732.6,Tmem167b,protein_coding	0.02543	0.868927
ENSMUSG00000020099.9,Unc5b,protein_coding	0.02543	0.921229
ENSMUSG00000029624.11,Ptcd1,protein_coding	0.02542	0.906018
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ENSMUSG00000024403.17,Atp6v1g2,protein_coding	0.02534	0.923745
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ENSMUSG00000021598.10,Med10,protein_coding	0.02533	0.896036
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ENSMUSG00000051285.18,Pcmtd1,protein_coding	0.02525	0.910611
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ENSMUSG00000021268.20,Meg3,lncRNA	0.02503	0.937464
ENSMUSG00000138379.1,ENSMUSG00000138379,lncRNA	0.02502	0.970325
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ENSMUSG00000028683.15,Eif2b3,protein_coding	0.02496	0.942298
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ENSMUSG00000106749.2,Gm43281,TEC	0.02491	0.941815
ENSMUSG00000056201.10,Cfl1,protein_coding	0.02488	0.899959
ENSMUSG00000020741.18,Cluh,protein_coding	0.02486	0.894989
ENSMUSG00000028402.20,Mpdz,protein_coding	0.02486	0.896424

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ENSMUSG00000068115.14,Ninl,protein_coding	0.02473	0.91731
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ENSMUSG00000010721.16,Lmbr1,protein_coding	0.02468	0.877608
ENSMUSG00000028431.12,Elp1,protein_coding	0.02467	0.884563
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ENSMUSG00000071424.11,Grid2,protein_coding	0.02448	0.949284
ENSMUSG00000092060.5,Bend4,protein_coding	0.02445	0.92687
ENSMUSG00000097080.11,1700086O06Rik,lncRNA	0.02445	0.927265
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ENSMUSG00000022150.17,Dab2,protein_coding	0.02433	0.927352
ENSMUSG00000024947.18,Men1,protein_coding	0.02429	0.917071
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ENSMUSG00000033955.14,Tnks1bp1,protein_coding	0.02406	0.915829
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ENSMUSG00000030522.15,Mtmr10,protein_coding	0.02336	0.905364
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ENSMUSG00000025878.17,Uimc1,protein_coding	0.02283	0.901332
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ENSMUSG00000042523.13,Dnal1,protein_coding	0.02282	0.926438
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ENSMUSG00000025432.12,Avil,protein_coding	0.02249	0.988799
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ENSMUSG00000054958.7,Nt5c1a,protein_coding	0.02236	0.959775
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ENSMUSG00000015095.13,Fbxw5,protein_coding	0.02202	0.894372
ENSMUSG00000113662.2,Gm35558,TEC	0.02199	0.95439
ENSMUSG00000087385.9,Frg2f1,protein_coding	0.02198	0.933768
ENSMUSG00000020993.10,Trappc6b,protein_coding	0.02195	0.918851
ENSMUSG00000020372.16,Rack1,protein_coding	0.02194	0.97103
ENSMUSG00000027358.7,Bmp2,protein_coding	0.02193	0.969143
ENSMUSG00000137391.1,ENSMUSG00000137391,lncRNA	0.02192	0.942956
ENSMUSG00000029729.13,Zkscan1,protein_coding	0.0219	0.871971
ENSMUSG00000025871.19,4833439L19Rik,protein_coding	0.02176	0.88365
ENSMUSG00000089824.11,Rbm12,protein_coding	0.02174	0.926449
ENSMUSG00000038143.17,Stox2,protein_coding	0.02171	0.913889
ENSMUSG00000107320.2,Gm42549,TEC	0.02171	0.93155
ENSMUSG00000039480.15,Nt5dc1,protein_coding	0.02171	0.963872
ENSMUSG00000026975.11,Dph7,protein_coding	0.02166	0.916829
ENSMUSG00000090083.12,Rnf8,protein_coding	0.02164	0.897344
ENSMUSG00000019948.5,Actr6,protein_coding	0.02149	0.920978
ENSMUSG00000031386.15,Hcfc1,protein_coding	0.02148	0.897832
ENSMUSG00000061451.14,Tmem151a,protein_coding	0.02144	0.954272
ENSMUSG00000103778.2,Gm36930,TEC	0.02142	0.970699
ENSMUSG00000040372.3,Gpr63,protein_coding	0.0214	0.945615
ENSMUSG00000001383.10,Zmat2,protein_coding	0.0214	0.91313
ENSMUSG00000032323.14,Cyp11a1,protein_coding	0.02138	0.963386
ENSMUSG00000030177.15,Ccdc77,protein_coding	0.02138	0.943175
ENSMUSG00000021546.19,Hnrnpk,protein_coding	0.02136	0.914123
ENSMUSG00000041115.19,Iqsec2,protein_coding	0.02135	0.938396
ENSMUSG00000022594.15,Lynx1,protein_coding	0.02135	0.93026
ENSMUSG00000024170.16,Telo2,protein_coding	0.02134	0.922849
ENSMUSG00000042121.17,Ssh1,protein_coding	0.02134	0.886822
ENSMUSG00000026198.16,Abcb6,protein_coding	0.0213	0.936341
ENSMUSG00000029922.16,Mkrn1,protein_coding	0.02129	0.901755

ENSMUSG00000033684.15,Qsox1,protein_coding	0.02129	0.939916
ENSMUSG00000037300.20,Ttc13,protein_coding	0.02126	0.914941
ENSMUSG00000032423.14,Syncrip,protein_coding	0.02119	0.94932
ENSMUSG00000031596.16,Slc7a2,protein_coding	0.02116	0.938512
ENSMUSG00000006800.15,Sulf2,protein_coding	0.02115	0.936611
ENSMUSG00000008301.12,Phax,protein_coding	0.02111	0.901461
ENSMUSG00000020153.15,Ndufs7,protein_coding	0.02107	0.940444
ENSMUSG00000021816.12,Ppp3cb,protein_coding	0.02107	0.908712
ENSMUSG00000017667.10,Zfp334,protein_coding	0.02104	0.911365
ENSMUSG00000026430.17,Rassf5,protein_coding	0.02102	0.934282
ENSMUSG00000025025.15,Mxi1,protein_coding	0.02095	0.908276
ENSMUSG00000072772.4,Grcc10,protein_coding	0.02091	0.935258
ENSMUSG00000019726.13,Lyst,protein_coding	0.02088	0.916279
ENSMUSG00000039220.17,Ppp1r10,protein_coding	0.02081	0.898652
ENSMUSG00000090236.4,Car15,protein_coding	0.02078	0.965912
ENSMUSG00000040818.11,Dennd6a,protein_coding	0.02078	0.91041
ENSMUSG00000019139.11,Isyna1,protein_coding	0.02077	0.95077
ENSMUSG00000084106.5,Gm6136,processed_pseudogene	0.02071	0.970825
ENSMUSG00000031826.21,Usp10,protein_coding	0.02061	0.887634
ENSMUSG00000026034.18,Clk1,protein_coding	0.0206	0.933418
ENSMUSG00000020485.15,Supt4a,protein_coding	0.0206	0.921047
ENSMUSG00000026036.18,Nif3l1,protein_coding	0.02058	0.919496
ENSMUSG00000041769.14,Ppp2r2d,protein_coding	0.02057	0.87888
ENSMUSG00000118665.1,Lin54,protein_coding	0.02053	0.915274
ENSMUSG00000122396.1,ENSMUSG00000122396,lncRNA	0.02052	0.953702
ENSMUSG00000015733.14,Capza2,protein_coding	0.0205	0.909151
ENSMUSG00000037503.13,Fam168b,protein_coding	0.02047	0.891759
ENSMUSG00000021754.18,Map3k1,protein_coding	0.02046	0.957814
ENSMUSG00000086022.2,Rad51ap2,protein_coding	0.02046	0.967537
ENSMUSG00000006464.10,Bbs1,protein_coding	0.02044	0.924369
ENSMUSG00000046287.8,Pnma3,protein_coding	0.02038	0.958114
ENSMUSG00000035407.9,Kank4,protein_coding	0.02037	0.961134
ENSMUSG00000030604.10,Zfp626,protein_coding	0.02035	0.906152
ENSMUSG00000091803.8,Cox16,protein_coding	0.02034	0.940893
ENSMUSG00000038126.18,Mphosph9,protein_coding	0.02032	0.919825
ENSMUSG00000127953.1,ENSMUSG00000127953,lncRNA	0.0203	0.966515
ENSMUSG00000026389.17,Steap3,protein_coding	0.02029	0.945747
ENSMUSG00000019797.12,Mtres1,protein_coding	0.02026	0.904792
ENSMUSG00000047793.14,Sned1,protein_coding	0.02026	0.942892
ENSMUSG00000026753.6,Ppp6c,protein_coding	0.02023	0.940589
ENSMUSG00000120121.2,Gm56779,lncRNA	0.02018	0.975039
ENSMUSG00000014470.5,Rnf166,protein_coding	0.02008	0.925428
ENSMUSG00000036782.14,Klhl13,protein_coding	0.02003	0.949755
ENSMUSG00000038644.15,Pold1,protein_coding	0.02	0.978457
ENSMUSG00000086316.9,Nbdy,protein_coding	0.01995	0.949442
ENSMUSG00000020311.18,Erlec1,protein_coding	0.01994	0.910932
ENSMUSG00000039789.8,Zfp597,protein_coding	0.0199	0.905189
ENSMUSG00000027806.10,Tsc22d2,protein_coding	0.0199	0.9164
ENSMUSG00000037784.15,Dzip1l,protein_coding	0.01988	0.923771
ENSMUSG00000022214.16,Dcaf11,protein_coding	0.01987	0.883853
ENSMUSG00000026750.7,Psmb7,protein_coding	0.01983	0.927924
ENSMUSG00000017132.19,Cyth1,protein_coding	0.01981	0.901786

ENSMUSG00000030232.20,Aebp2,protein_coding	0.01975	0.915257
ENSMUSG00000031903.8,Pla2g15,protein_coding	0.01973	0.926111
ENSMUSG00000022708.17,Zbtb20,protein_coding	0.01973	0.941833
ENSMUSG00000033396.14,Spg11,protein_coding	0.0197	0.888015
ENSMUSG00000054934.11,Kcnmb4,protein_coding	0.01967	0.932137
ENSMUSG00000053062.17,Jam2,protein_coding	0.01964	0.915878
ENSMUSG00000039221.11,Rpl22l1,protein_coding	0.01956	0.931202
ENSMUSG00000002205.17,Vrk3,protein_coding	0.01954	0.925862
ENSMUSG00000106637.2,Gm42455,TEC	0.01952	0.972622
ENSMUSG00000024037.14,Wdr4,protein_coding	0.0195	0.910997
ENSMUSG00000054967.8,Zfp647,protein_coding	0.01949	0.961297
ENSMUSG00000028879.5,Stx12,protein_coding	0.01949	0.910728
ENSMUSG00000029171.13,Pgm2,protein_coding	0.01945	0.942412
ENSMUSG00000017670.17,Elmo2,protein_coding	0.01944	0.894912
ENSMUSG00000038578.16,Susd1,protein_coding	0.01944	0.952197
ENSMUSG00000025868.7,Higd2a,protein_coding	0.01939	0.942221
ENSMUSG00000052712.18,BC004004,protein_coding	0.01937	0.894334
ENSMUSG00000028826.15,Maco1,protein_coding	0.01934	0.890013
ENSMUSG00000085436.4,Zfp335os,lncRNA	0.01932	0.952751
ENSMUSG00000062627.10,Mysm1,protein_coding	0.01932	0.937438
ENSMUSG00000026836.16,Acvr1,protein_coding	0.01929	0.933131
ENSMUSG00000037808.14,Fam76b,protein_coding	0.01929	0.951912
ENSMUSG00000038121.7,Fam210a,protein_coding	0.01925	0.910602
ENSMUSG00000059751.8,Rps3a3,transcribed_processed_pseudogene	0.01923	0.972457
ENSMUSG00000033055.13,Ankrd54,protein_coding	0.01922	0.938903
ENSMUSG00000029426.9,Scarb2,protein_coding	0.01919	0.881611
ENSMUSG00000000530.17,Acvrl1,protein_coding	0.01908	0.946468
ENSMUSG00000031209.15,Heph,protein_coding	0.01908	0.94863
ENSMUSG00000043635.13,Adamts3,protein_coding	0.01903	0.956541
ENSMUSG00000124272.1,ENSMUSG00000124272,lncRNA	0.01901	0.968952
ENSMUSG00000025781.15,Atp5f1c,protein_coding	0.01899	0.925951
ENSMUSG00000059495.15,Arhgef12,protein_coding	0.01898	0.890139
ENSMUSG00000066839.13,Ecsit,protein_coding	0.01896	0.931942
ENSMUSG00000025314.19,Ptprj,protein_coding	0.01893	0.929772
ENSMUSG00000096856.8,Gm10778,protein_coding	0.01892	0.953455
ENSMUSG00000046410.11,Kcnk6,protein_coding	0.01891	0.963908
ENSMUSG00000053950.11,Adnp2,protein_coding	0.01889	0.900772
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ENSMUSG00000058546.9,Rpl23a,protein_coding	0.01887	0.961976
ENSMUSG00000042496.19,Prdm10,protein_coding	0.01886	0.912679
ENSMUSG00000024826.16,Dpf2,protein_coding	0.01885	0.892617
ENSMUSG00000121250.1,Gm57462,lncRNA	0.01884	0.96984
ENSMUSG00000088185.3,Scarna2,scaRNA	0.01883	0.939018
ENSMUSG00000088835.3,Gm23547,snoRNA	0.01882	0.948993
ENSMUSG00000048787.14,Dcun1d3,protein_coding	0.01875	0.907896
ENSMUSG00000003863.19,Ppfia3,protein_coding	0.01875	0.944815
ENSMUSG00000038665.16,Dgki,protein_coding	0.01857	0.943076
ENSMUSG00000025932.15,Eya1,protein_coding	0.01857	0.952504
ENSMUSG00000085438.4,Oip5os1,lncRNA	0.01852	0.936194
ENSMUSG00000067194.7,Eif1ax,protein_coding	0.01851	0.937307
ENSMUSG00000042043.7,Tbca,protein_coding	0.0185	0.945559
ENSMUSG00000039477.17,Tnrc18,protein_coding	0.01849	0.942911

ENSMUSG00000026837.17,Col5a1,protein_coding	0.01849	0.937103
ENSMUSG00000070426.13,Rnf121,protein_coding	0.01842	0.88246
ENSMUSG00000025981.14,Coq10b,protein_coding	0.01839	0.943157
ENSMUSG00000122421.1,ENSMUSG00000122421,lncRNA	0.01839	0.982847
ENSMUSG00000030662.11,Ipo5,protein_coding	0.01837	0.922545
ENSMUSG00000103049.2,Gm37311,TEC	0.0183	0.956259
ENSMUSG00000028920.10,Fbxo42,protein_coding	0.01829	0.897853
ENSMUSG00000040174.15,Alkbh3,protein_coding	0.01828	0.955413
ENSMUSG00000019254.17,Ppp1r12c,protein_coding	0.01821	0.93335
ENSMUSG00000028443.7,Nudt2,protein_coding	0.0182	0.952921
ENSMUSG00000026890.20,Lhx6,protein_coding	0.01815	0.967434
ENSMUSG00000041679.10,Fbxl9,protein_coding	0.01815	0.954567
ENSMUSG00000087644.3,Gm14703,lncRNA	0.0181	0.969254
ENSMUSG00000018846.9,Pank3,protein_coding	0.01809	0.932283
ENSMUSG00000019802.14,Sec63,protein_coding	0.01807	0.913794
ENSMUSG00000020435.18,Osbp2,protein_coding	0.01807	0.942044
ENSMUSG00000051483.10,Cbr1,protein_coding	0.01806	0.952762
ENSMUSG00000115568.2,Tiaf2,TEC	0.01802	0.94465
ENSMUSG00000024906.11,Mus81,protein_coding	0.01801	0.943559
ENSMUSG00000026019.16,Wdr12,protein_coding	0.01797	0.90088
ENSMUSG00000047879.18,Usp14,protein_coding	0.01793	0.933216
ENSMUSG00000038991.18,Txndc5,protein_coding	0.0179	0.955
ENSMUSG00000021975.10,Ints9,protein_coding	0.01786	0.928307
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ENSMUSG00000022031.7,Elp3,protein_coding	0.01782	0.921056
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ENSMUSG00000047824.14,Pygo2,protein_coding	0.01778	0.929241
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ENSMUSG00000004099.17,Dnmt1,protein_coding	0.01773	0.923012
ENSMUSG00000081651.2,Gm15530,processed_pseudogene	0.01769	0.972688
ENSMUSG00000035133.10,Arhgap5,protein_coding	0.01769	0.964621
ENSMUSG00000021262.16,Evl,protein_coding	0.01766	0.937264
ENSMUSG00000038965.18,Ube2l3,protein_coding	0.01765	0.884433
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ENSMUSG00000004285.13,Atp6v1f,protein_coding	0.0176	0.94391
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ENSMUSG00000027175.11,Tcp11l1,protein_coding	0.01755	0.932494
ENSMUSG00000035772.12,Mrps2,protein_coding	0.01753	0.89867
ENSMUSG00000103657.2,Gm37204,TEC	0.01752	0.960699
ENSMUSG00000089682.11,Bcl2l2,protein_coding	0.01749	0.931231
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ENSMUSG00000042505.7,Sdhaf3,protein_coding	0.01744	0.944568
ENSMUSG00000018379.18,Srsf1,protein_coding	0.01742	0.957244
ENSMUSG00000017221.15,Psmd3,protein_coding	0.01741	0.928408
ENSMUSG00000039512.13,Bltp3a,protein_coding	0.0174	0.921976
ENSMUSG00000024667.13,Tmem216,protein_coding	0.01736	0.970245
ENSMUSG00000037152.12,Ndufc1,protein_coding	0.01735	0.951295
ENSMUSG00000023971.10,Rrp36,protein_coding	0.01727	0.950824

ENSMUSG00000024527.11,Afg3l2,protein_coding	0.01725	0.882451
ENSMUSG00000022982.11,Sod1,protein_coding	0.0172	0.940954
ENSMUSG00000027613.16,Eif6,protein_coding	0.01715	0.958478
ENSMUSG00000062580.10,Timm17a,protein_coding	0.01707	0.894829
ENSMUSG00000002395.15,Use1,protein_coding	0.01703	0.948473
ENSMUSG00000097787.5,Sgms1os1,lncRNA	0.01701	0.958299
ENSMUSG00000003721.15,Insig2,protein_coding	0.01697	0.927656
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ENSMUSG00000022914.18,Brwd1,protein_coding	0.01691	0.897825
ENSMUSG00000071014.11,Ndufb6,protein_coding	0.0169	0.957962
ENSMUSG00000041483.15,Zfp281,protein_coding	0.01689	0.937678
ENSMUSG00000020451.18,Limk2,protein_coding	0.01681	0.928653
ENSMUSG00000033883.12,Zfp267,protein_coding	0.01679	0.904309
ENSMUSG00000028078.15,Dclk2,protein_coding	0.01679	0.946525
ENSMUSG00000024277.15,Mapre2,protein_coding	0.01675	0.91251
ENSMUSG00000029310.14,Nudt9,protein_coding	0.01674	0.946659
ENSMUSG00000034290.10,Nek9,protein_coding	0.01669	0.911861
ENSMUSG00000110047.2,A230085B16Rik,TEC	0.01663	0.961774
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ENSMUSG00000027523.21,Gnas,protein_coding	0.01659	0.934647
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ENSMUSG00000033106.7,Slc7a6os,protein_coding	0.01658	0.93679
ENSMUSG00000041975.18,Mettl8,protein_coding	0.01657	0.941493
ENSMUSG00000040054.18,Baz2a,protein_coding	0.01656	0.928055
ENSMUSG00000102465.2,Gm38198,TEC	0.0165	0.959137
ENSMUSG00000030748.10,Il4ra,protein_coding	0.01644	0.977044
ENSMUSG00000020009.14,Ifngr1,protein_coding	0.01642	0.966773
ENSMUSG00000109585.2,Gm45358,TEC	0.01642	0.969134
ENSMUSG00000004069.18,Dnaja3,protein_coding	0.01642	0.918143
ENSMUSG00000031015.9,Swap70,protein_coding	0.01641	0.985234
ENSMUSG00000096006.2,Gm21596,processed_pseudogene	0.0164	0.974428
ENSMUSG00000022051.16,Bnip3l,protein_coding	0.01634	0.931027
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ENSMUSG00000022322.9,Shcbp1,protein_coding	0.0163	0.988484
ENSMUSG00000028622.12,Mrpl37,protein_coding	0.01629	0.918503
ENSMUSG00000051403.10,Ppp1r37,protein_coding	0.01624	0.94736
ENSMUSG00000040321.4,Zfp770,protein_coding	0.01623	0.946181
ENSMUSG00000111942.2,Gm5182,processed_pseudogene	0.01622	0.963301
ENSMUSG00000041453.13,Rpl21,protein_coding	0.01622	0.969852
ENSMUSG00000046613.20,Vwa5b2,protein_coding	0.01621	0.961305
ENSMUSG00000003435.10,Supt5,protein_coding	0.01617	0.897813
ENSMUSG00000032604.17,Qars1,protein_coding	0.01617	0.948288
ENSMUSG00000022142.9,Nup155,protein_coding	0.01616	0.961992
ENSMUSG00000060288.14,Ppih,protein_coding	0.01614	0.944293
ENSMUSG00000029571.15,Tmem106b,protein_coding	0.01613	0.93232
ENSMUSG00000057497.9,Fam136a,protein_coding	0.01613	0.926519
ENSMUSG00000028876.8,Epha10,protein_coding	0.01609	0.957296
ENSMUSG00000021930.15,Spryd7,protein_coding	0.01608	0.944925
ENSMUSG00000079614.5,Seh1l,protein_coding	0.01605	0.953496
ENSMUSG00000030934.10,Oat,protein_coding	0.01603	0.936587
ENSMUSG00000038248.9,Sobp,protein_coding	0.01602	0.940872

ENSMUSG00000032875.9,Arhgef17,protein_coding	0.01602	0.957484
ENSMUSG00000014932.16,Yes1,protein_coding	0.01599	0.954968
ENSMUSG00000113183.2,Gm47664,lncRNA	0.01599	0.9666
ENSMUSG00000026309.15,Ilkap,protein_coding	0.01597	0.926509
ENSMUSG00000125907.1,ENSMUSG00000125907,lncRNA	0.01589	0.99343
ENSMUSG00000115370.2,Gm15667,processed_pseudogene	0.01581	0.965861
ENSMUSG00000113167.2,Gm48482,TEC	0.0158	0.977749
ENSMUSG00000059981.13,Taok2,protein_coding	0.01575	0.924658
ENSMUSG00000090290.3,Tarbp1,protein_coding	0.01567	0.954084
ENSMUSG00000048087.7,Ahcyl,protein_coding	0.01565	0.9687
ENSMUSG00000002844.10,Adprh,protein_coding	0.01565	0.92926
ENSMUSG00000001751.10,Naglu,protein_coding	0.01557	0.973824
ENSMUSG00000001642.19,Akr1b1,protein_coding	0.01555	0.956885
ENSMUSG00000070392.6,Gm20634,lncRNA	0.01552	0.9535
ENSMUSG00000025946.14,Pth2r,protein_coding	0.01548	0.980798
ENSMUSG00000040374.14,Pex2,protein_coding	0.01547	0.940856
ENSMUSG00000047420.9,Fam180a,protein_coding	0.01547	0.975489
ENSMUSG00000033191.15,Tie1,protein_coding	0.01542	0.942279
ENSMUSG00000029290.13,Zfp326,protein_coding	0.01539	0.932654
ENSMUSG00000022263.11,Trio,protein_coding	0.01538	0.92072
ENSMUSG00000055541.20,Lair1,protein_coding	0.01537	0.961209
ENSMUSG00000121789.2,A230045G11Rik,lncRNA	0.01533	0.939393
ENSMUSG00000038722.18,Bud31,protein_coding	0.01531	0.958426
ENSMUSG00000055053.19,Nfic,protein_coding	0.01526	0.941983
ENSMUSG00000021282.18,Eif5,protein_coding	0.01526	0.9467
ENSMUSG00000043822.19,Adamtsl5,protein_coding	0.01522	0.97315
ENSMUSG00000028010.17,Gar1,protein_coding	0.0152	0.966192
ENSMUSG00000057572.16,Zbtb8os,protein_coding	0.01519	0.946632
ENSMUSG00000032435.10,Dync1li1,protein_coding	0.01518	0.921126
ENSMUSG00000075600.4,Zc3h3,protein_coding	0.01515	0.956729
ENSMUSG00000077505.3,Gm24233,snoRNA	0.01514	0.978122
ENSMUSG00000107604.2,Gm44041,processed_pseudogene	0.01513	0.984316
ENSMUSG00000060733.14,Ipmk,protein_coding	0.01512	0.913295
ENSMUSG00000068134.15,Zfp120,protein_coding	0.01512	0.958167
ENSMUSG00000040550.18,Otud6b,protein_coding	0.01505	0.918549
ENSMUSG00000104562.2,Gm42767,TEC	0.015	0.973857
ENSMUSG00000065016.3,Snora3,snoRNA	0.01497	0.976799
ENSMUSG00000027865.11,Gdap2,protein_coding	0.01497	0.923227
ENSMUSG00000064141.15,Zfp69,protein_coding	0.01496	0.97147
ENSMUSG00000054135.3,A430110L20Rik,lncRNA	0.01492	0.964859
ENSMUSG00000042099.17,Kank3,protein_coding	0.01488	0.965933
ENSMUSG00000049659.16,Aftph,protein_coding	0.01484	0.915083
ENSMUSG00000022816.12,Fstl1,protein_coding	0.01482	0.959013
ENSMUSG00000017831.9,Rab5a,protein_coding	0.01481	0.936389
ENSMUSG00000053289.9,Ddx10,protein_coding	0.01481	0.937881
ENSMUSG00000106414.2,Gm43320,TEC	0.01479	0.979154
ENSMUSG00000056158.15,Car10,protein_coding	0.0147	0.954055
ENSMUSG00000094870.9,Zfp131,protein_coding	0.0147	0.949623
ENSMUSG00000032293.9,Ireb2,protein_coding	0.01467	0.951453
ENSMUSG00000067150.7,Xpo5,protein_coding	0.01466	0.915358
ENSMUSG00000026672.12,Optn,protein_coding	0.01463	0.960815
ENSMUSG00000019146.3,Cacng2,protein_coding	0.01455	0.937725

ENSMUSG00000034312.16,Iqsec1,protein_coding	0.01452	0.932104
ENSMUSG00000057236.11,Rbbp4,protein_coding	0.0145	0.934035
ENSMUSG00000029038.10,Ssu72,protein_coding	0.01447	0.93376
ENSMUSG00000048078.17,Tenm4,protein_coding	0.01447	0.96293
ENSMUSG00000029203.17,Ube2k,protein_coding	0.01445	0.924301
ENSMUSG00000109461.2,Gm44848,TEC	0.01444	0.970283
ENSMUSG00000005779.13,Psmb4,protein_coding	0.01438	0.955005
ENSMUSG00000024517.18,Grp,protein_coding	0.01435	0.981443
ENSMUSG00000040652.18,Oaz2,protein_coding	0.01435	0.953074
ENSMUSG00000108256.2,Gm43923,TEC	0.01434	0.973737
ENSMUSG00000040479.13,Dgkz,protein_coding	0.01432	0.954015
ENSMUSG00000026187.10,Xrcc5,protein_coding	0.01429	0.963258
ENSMUSG00000022438.7,Parvb,protein_coding	0.01428	0.952449
ENSMUSG00000042529.15,Kcnj12,protein_coding	0.01427	0.971943
ENSMUSG00000035545.14,Leng8,protein_coding	0.01424	0.949084
ENSMUSG00000033871.15,Ppargc1b,protein_coding	0.01419	0.95002
ENSMUSG00000104814.2,Gm42979,TEC	0.01418	0.963174
ENSMUSG00000028212.17,Ccne2,protein_coding	0.01417	0.981199
ENSMUSG00000036435.14,Exoc1,protein_coding	0.01416	0.919058
ENSMUSG00000024579.8,Pcyox1l,protein_coding	0.01399	0.946146
ENSMUSG00000021275.17,Tecpr2,protein_coding	0.01393	0.941623
ENSMUSG00000002103.17,Acp2,protein_coding	0.01393	0.922278
ENSMUSG00000077734.3,Snord83b,snoRNA	0.01392	0.960432
ENSMUSG00000038007.15,Acer2,protein_coding	0.0139	0.967647
ENSMUSG00000049241.7,Hcar1,protein_coding	0.01385	0.966553
ENSMUSG00000039968.10,Rsbn1l,protein_coding	0.01384	0.965708
ENSMUSG00000026799.16,Med27,protein_coding	0.01383	0.944686
ENSMUSG00000056429.5,Tgoln1,protein_coding	0.01382	0.921182
ENSMUSG00000097466.11,D430036J16Rik,lncRNA	0.01375	0.977167
ENSMUSG00000035469.18,Rcbtb1,protein_coding	0.01372	0.922921
ENSMUSG00000109139.2,Gm44798,TEC	0.01369	0.95632
ENSMUSG00000075595.10,Zfp652,protein_coding	0.01364	0.917316
ENSMUSG00000114121.3,Gm47728,lncRNA	0.01363	0.990275
ENSMUSG00000038976.13,Ppp1r9b,protein_coding	0.01361	0.959051
ENSMUSG00000026174.10,Cnot9,protein_coding	0.0136	0.927248
ENSMUSG00000031485.16,Plpbp,protein_coding	0.0136	0.923701
ENSMUSG00000045817.9,Zfp36l2,protein_coding	0.01354	0.966677
ENSMUSG00000020160.19,Meis1,protein_coding	0.01354	0.975087
ENSMUSG00000084910.4,C630043F03Rik,lncRNA	0.01351	0.963164
ENSMUSG00000030879.11,Mrpl17,protein_coding	0.01349	0.925091
ENSMUSG00000002342.18,Tmem161a,protein_coding	0.01346	0.945685
ENSMUSG00000023026.17,Dip2b,protein_coding	0.01345	0.909592
ENSMUSG00000028470.11,Hint2,protein_coding	0.01343	0.967497
ENSMUSG00000022752.10,Tomm70a,protein_coding	0.01341	0.953892
ENSMUSG00000104868.2,Nwd2os,TEC	0.0134	0.971002
ENSMUSG00000107199.2,Gm42550,TEC	0.01337	0.973756
ENSMUSG00000035150.16,Eif2s3x,protein_coding	0.01332	0.938463
ENSMUSG00000031634.14,Ufsp2,protein_coding	0.01323	0.941384
ENSMUSG00000034813.20,Grip1,protein_coding	0.01321	0.962647
ENSMUSG00000042029.8,Ncapg2,protein_coding	0.0132	0.985401
ENSMUSG00000110914.2,Gm48611,TEC	0.01319	0.97331
ENSMUSG00000025085.17,Ablim1,protein_coding	0.01315	0.954484

ENSMUSG00000045733.8,Sprn,protein_coding	0.0131	0.971082
ENSMUSG00000047613.11,A430005L14Rik,protein_coding	0.01306	0.967002
ENSMUSG00000082585.4,Gm15387,processed_pseudogene	0.01305	0.973321
ENSMUSG00000019977.17,Hbs1l,protein_coding	0.01304	0.931283
ENSMUSG00000064338.1,mt-Tv,Mt_tRNA	0.01297	0.980018
ENSMUSG00000102336.4,Gm37233,lncRNA	0.01296	0.973953
ENSMUSG00000111605.2,4632418H02Rik,TEC	0.01296	0.97579
ENSMUSG00000004044.10,Cavin1,protein_coding	0.01294	0.953205
ENSMUSG00000035824.8,Tk2,protein_coding	0.01293	0.952694
ENSMUSG00000058254.13,Tspan7,protein_coding	0.0129	0.960755
ENSMUSG00000029328.16,Hnrnpdl,protein_coding	0.01287	0.935959
ENSMUSG00000055239.11,Kcmf1,protein_coding	0.01285	0.928739
ENSMUSG00000026839.18,Upp2,protein_coding	0.01284	0.949093
ENSMUSG00000006740.15,Kif5b,protein_coding	0.01283	0.936954
ENSMUSG00000045967.12,Gpr158,protein_coding	0.01283	0.955716
ENSMUSG00000108737.2,BC060293,TEC	0.01282	0.976151
ENSMUSG00000065686.3,Snora5c,snoRNA	0.01279	0.97927
ENSMUSG00000002948.20,Map2k7,protein_coding	0.01279	0.94223
ENSMUSG00000023852.15,Chd1,protein_coding	0.01274	0.969914
ENSMUSG00000033967.5,Rnf225,protein_coding	0.01273	0.977282
ENSMUSG00000015659.13,Serac1,protein_coding	0.01268	0.943017
ENSMUSG00000029447.14,Cct6a,protein_coding	0.01266	0.9532
ENSMUSG00000020639.15,Pfn4,protein_coding	0.01256	0.968435
ENSMUSG00000006576.17,Slc4a3,protein_coding	0.01252	0.963217
ENSMUSG00000052248.19,Zeb2os,lncRNA	0.01251	0.971774
ENSMUSG00000015133.18,Lrrk1,protein_coding	0.01249	0.987552
ENSMUSG00000074220.11,Zfp382,protein_coding	0.01246	0.940796
ENSMUSG00000050708.17,Ftl1,protein_coding	0.01241	0.972216
ENSMUSG00000103707.6,Pcdha6,protein_coding	0.01237	0.970863
ENSMUSG00000040028.11,Elavl1,protein_coding	0.01237	0.92004
ENSMUSG00000053470.14,Kdm3a,protein_coding	0.01236	0.930075
ENSMUSG00000102869.5,Norad,lncRNA	0.01235	0.95761
ENSMUSG00000072676.13,Tmem254,protein_coding	0.01234	0.967107
ENSMUSG00000071540.5,3425401B19Rik,protein_coding	0.01234	0.992391
ENSMUSG00000036057.12,Ptpn23,protein_coding	0.0123	0.939124
ENSMUSG00000024589.19,Nedd4l,protein_coding	0.01229	0.960005
ENSMUSG00000051502.8,Ufsp1,protein_coding	0.01228	0.977132
ENSMUSG00000052928.10,Ctif,protein_coding	0.01222	0.966027
ENSMUSG00000021109.14,Hif1a,protein_coding	0.01222	0.963456
ENSMUSG00000031246.15,Sh3bgrl,protein_coding	0.01218	0.974997
ENSMUSG00000033952.15,Aspm,protein_coding	0.01217	0.992752
ENSMUSG00000025041.18,Nt5c2,protein_coding	0.01216	0.918415
ENSMUSG00000054263.13,Lifr,protein_coding	0.01213	0.949408
ENSMUSG00000091896.10,Ube2d2a,protein_coding	0.01198	0.945217
ENSMUSG00000046032.17,Snx12,protein_coding	0.01195	0.937612
ENSMUSG00000054792.16,Klhl18,protein_coding	0.01193	0.945878
ENSMUSG00000056413.17,Adap1,protein_coding	0.01189	0.966361
ENSMUSG00000041130.11,Zfp598,protein_coding	0.01183	0.958014
ENSMUSG00000057506.6,Bloc1s2,protein_coding	0.01182	0.952544
ENSMUSG00000038936.14,Sccpdh,protein_coding	0.01181	0.961285
ENSMUSG00000062646.13,Ganc,protein_coding	0.01174	0.961691
ENSMUSG00000025332.15,Kdm5c,protein_coding	0.01171	0.934423

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ENSMUSG00000020635.9,Fkbp1b,protein_coding	0.01166	0.971214
ENSMUSG00000038398.9,Upf3a,protein_coding	0.01166	0.930568
ENSMUSG00000027012.16,Dync1i2,protein_coding	0.01162	0.926381
ENSMUSG00000065105.3,Gm26130,snoRNA	0.01158	0.990014
ENSMUSG00000041974.11,Spidr,protein_coding	0.01156	0.982851
ENSMUSG00000037206.16,Islr,protein_coding	0.01152	0.970053
ENSMUSG00000022186.15,Oxct1,protein_coding	0.01149	0.947204
ENSMUSG00000033411.17,Ctdspl2,protein_coding	0.01149	0.961019
ENSMUSG00000005374.14,Tbl2,protein_coding	0.01149	0.935344
ENSMUSG00000025103.9,Btbd1,protein_coding	0.01148	0.955416
ENSMUSG00000048047.4,Zbtb33,protein_coding	0.01145	0.971435
ENSMUSG00000103088.2,Pcdhgb6,protein_coding	0.01143	0.959307
ENSMUSG00000027433.6,Xrn2,protein_coding	0.01143	0.962265
ENSMUSG00000028137.10,Celf3,protein_coding	0.01135	0.976129
ENSMUSG00000035397.9,Klf16,protein_coding	0.01131	0.973344
ENSMUSG00000024640.10,Psat1,protein_coding	0.01131	0.959936
ENSMUSG00000074579.15,Lekr1,protein_coding	0.01129	0.964076
ENSMUSG00000027312.15,Atrn,protein_coding	0.01129	0.956225
ENSMUSG00000020042.16,Abtb3,protein_coding	0.01125	0.96408
ENSMUSG00000039414.11,Heatr5b,protein_coding	0.01119	0.94647
ENSMUSG00000040752.17,Myh6,protein_coding	0.01118	0.989347
ENSMUSG00000021500.19,Ddx46,protein_coding	0.01117	0.94772
ENSMUSG00000032456.14,Nmnat3,protein_coding	0.01108	0.985155
ENSMUSG00000085289.3,Gm15337,lncRNA	0.01108	0.981182
ENSMUSG00000022292.17,Rrm2b,protein_coding	0.01106	0.967246
ENSMUSG00000113440.3,Gm46404,lncRNA	0.01104	0.977864
ENSMUSG00000035623.15,Rsf1,protein_coding	0.01102	0.93978
ENSMUSG00000109715.4,Gm45606,lncRNA	0.011	0.961547
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ENSMUSG00000029131.15,Dnajb6,protein_coding	0.01099	0.941402
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ENSMUSG00000026156.9,B3gat2,protein_coding	0.01095	0.967807
ENSMUSG00000020849.14,Ywhae,protein_coding	0.01092	0.932332
ENSMUSG00000042642.14,Flad1,protein_coding	0.01091	0.946912
ENSMUSG00000059920.10,4930453N24Rik,protein_coding	0.01089	0.961369
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ENSMUSG00000054455.6,Vapb,protein_coding	0.01084	0.937803
ENSMUSG00000097318.5,1700007L15Rik,lncRNA	0.01083	0.983327
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ENSMUSG00000020647.11,Ncoa1,protein_coding	0.01071	0.942883
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ENSMUSG00000024007.16,Ppil1,protein_coding	0.01066	0.978093
ENSMUSG00000042644.10,Itpr3,protein_coding	0.01059	0.985572
ENSMUSG00000084029.2,Gm8855,processed_pseudogene	0.01057	0.984607
ENSMUSG00000025083.19,Afap1l2,protein_coding	0.01045	0.984805
ENSMUSG00000038346.20,Zfp384,protein_coding	0.01043	0.947255
ENSMUSG00000041895.16,Wipi1,protein_coding	0.01041	0.948715
ENSMUSG00000038604.10,Ripor1,protein_coding	0.01037	0.965275
ENSMUSG00000040289.9,Hey1,protein_coding	0.01036	0.957565
ENSMUSG00000026074.16,Map4k4,protein_coding	0.01025	0.940613
ENSMUSG00000026312.18,Cdh7,protein_coding	0.01024	0.973391

ENSMUSG00000010660.4,Plcd1,protein_coding	0.01021	0.971784
ENSMUSG00000084306.2,Gm11743,processed_pseudogene	0.0102	0.98603
ENSMUSG00000071359.14,Tbpl1,protein_coding	0.01019	0.955453
ENSMUSG00000020522.14,Mfap3,protein_coding	0.01019	0.940295
ENSMUSG00000057858.9,Fam204a,protein_coding	0.01017	0.95685
ENSMUSG00000056553.15,Ptprn2,protein_coding	0.01015	0.977515
ENSMUSG00000038384.17,Setd1b,protein_coding	0.01014	0.95436
ENSMUSG00000038888.9,Ctu1,protein_coding	0.0101	0.970826
ENSMUSG00000095930.2,Nim1k,protein_coding	0.01008	0.964662
ENSMUSG00000112248.2,Gm47910,TEC	0.01007	0.981236
ENSMUSG00000022812.15,Gsk3b,protein_coding	0.01003	0.949095
ENSMUSG00000019996.18,Map7,protein_coding	0.00998	0.955875
ENSMUSG00000055435.7,Maf,protein_coding	0.00998	0.976875
ENSMUSG00000024740.11,Ddb1,protein_coding	0.00997	0.960438
ENSMUSG00000074513.10,Arfip1,protein_coding	0.00997	0.967417
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ENSMUSG00000040829.15,Zmynd15,protein_coding	0.00995	0.989276
ENSMUSG00000018411.18,Mapt,protein_coding	0.0099	0.963706
ENSMUSG00000110086.2,Smim32,protein_coding	0.00987	0.989254
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ENSMUSG00000018796.14,Acsl1,protein_coding	0.00973	0.944695
ENSMUSG00000055725.12,Paqr3,protein_coding	0.00972	0.960656
ENSMUSG00000103081.4,Pcdhgb8,protein_coding	0.00971	0.965392
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ENSMUSG00000022437.8,Samm50,protein_coding	0.00965	0.954276
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ENSMUSG00000048351.15,Coa7,protein_coding	0.0096	0.955084
ENSMUSG00000041396.14,Mettl18,protein_coding	0.00958	0.981432
ENSMUSG00000036282.16,Naa30,protein_coding	0.00953	0.972826
ENSMUSG00000026245.17,Farsb,protein_coding	0.00951	0.956868
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ENSMUSG00000029175.18,Slc35f6,protein_coding	0.00945	0.950952
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ENSMUSG00000028954.12,Nub1,protein_coding	0.00932	0.954841
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ENSMUSG00000003660.11,Snrnp200,protein_coding	0.00932	0.96567
ENSMUSG00000036501.8,Fam13b,protein_coding	0.00931	0.949692
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ENSMUSG00000036438.15,Calm2,protein_coding	0.00914	0.970435
ENSMUSG00000026575.16,Nme7,protein_coding	0.0091	0.965202
ENSMUSG00000022800.15,Fyttd1,protein_coding	0.00909	0.961394
ENSMUSG00000032952.12,Ap4b1,protein_coding	0.00909	0.963885
ENSMUSG00000028851.7,Nudc,protein_coding	0.00907	0.958779
ENSMUSG00000028249.16,Sdcbp,protein_coding	0.00907	0.961021
ENSMUSG00000048170.15,Mcmbp,protein_coding	0.00906	0.975593
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ENSMUSG00000030621.18,Me3,protein_coding	0.00902	0.97581
ENSMUSG00000031902.11,Nfatc3,protein_coding	0.009	0.98297
ENSMUSG00000109398.3,Zfp582,protein_coding	0.00895	0.971932

ENSMUSG00000027342.15,Pcna,protein_coding	0.00893	0.986882
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ENSMUSG00000110316.2,Gm45311,lncRNA	0.00887	0.980302
ENSMUSG00000043923.9,Cenatac,protein_coding	0.00886	0.980518
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ENSMUSG00000047090.14,Tmem198b,protein_coding	0.00881	0.972392
ENSMUSG00000115161.2,Gm20555,TEC	0.00879	0.979981
ENSMUSG00000047368.5,Abhd17b,protein_coding	0.00878	0.982466
ENSMUSG00000038312.11,Edem2,protein_coding	0.00877	0.965218
ENSMUSG00000074934.4,Grem1,protein_coding	0.00868	0.983868
ENSMUSG00000056445.9,Hoxaas2,lncRNA	0.00863	0.996409
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ENSMUSG00000006301.18,Tmbim1,protein_coding	0.00857	0.959444
ENSMUSG00000128866.1,ENSMUSG00000128866,lncRNA	0.00856	0.989162
ENSMUSG00000040520.8,Manea,protein_coding	0.00856	0.969629
ENSMUSG00000004233.15,Wars2,protein_coding	0.00851	0.966469
ENSMUSG00000018189.13,Uchl5,protein_coding	0.00848	0.96904
ENSMUSG00000039000.9,Ube3c,protein_coding	0.00847	0.949903
ENSMUSG00000026111.16,Unc50,protein_coding	0.00844	0.970814
ENSMUSG00000027378.17,Nphp1,protein_coding	0.0084	0.974735
ENSMUSG00000085287.11,4833418N02Rik,lncRNA	0.00832	0.988377
ENSMUSG00000026319.14,Relch,protein_coding	0.00831	0.956456
ENSMUSG00000046873.19,Mbtps2,protein_coding	0.00829	0.968361
ENSMUSG00000029390.14,Tmed2,protein_coding	0.00827	0.969968
ENSMUSG00000054302.17,Eapp,protein_coding	0.00826	0.951742
ENSMUSG00000047412.17,Zbtb44,protein_coding	0.00822	0.953877
ENSMUSG00000020250.12,Txnrd1,protein_coding	0.00819	0.959638
ENSMUSG00000030161.9,Gabarapl1,protein_coding	0.00818	0.977477
ENSMUSG00000031021.14,Tmem9b,protein_coding	0.00815	0.964406
ENSMUSG00000024935.12,Slc1a1,protein_coding	0.00803	0.973888
ENSMUSG00000001173.16,Ocrl,protein_coding	0.00803	0.958035
ENSMUSG00000000811.15,Txnrd3,protein_coding	0.00801	0.981984
ENSMUSG00000003316.15,Glg1,protein_coding	0.00799	0.960396
ENSMUSG00000105279.3,Gm6260,lncRNA	0.00795	0.988719
ENSMUSG00000026426.11,Arl8a,protein_coding	0.00789	0.973318
ENSMUSG00000110043.2,Gm7328,processed_pseudogene	0.00788	0.985709
ENSMUSG00000041907.10,Gpr45,protein_coding	0.00786	0.97959
ENSMUSG00000030854.18,Ptpn5,protein_coding	0.00785	0.985508
ENSMUSG00000039108.15,Lsm14b,protein_coding	0.00785	0.965563
ENSMUSG00000038437.12,Mllt6,protein_coding	0.00781	0.96174
ENSMUSG00000027244.15,Atg13,protein_coding	0.00781	0.965877
ENSMUSG00000109031.2,Gm45201,TEC	0.00773	0.987044
ENSMUSG00000025870.11,Arl10,protein_coding	0.00773	0.986368
ENSMUSG00000040268.18,Plekha1,protein_coding	0.00771	0.961815
ENSMUSG00000078713.9,Tomm5,protein_coding	0.00771	0.977198
ENSMUSG00000056917.14,Sipa1,protein_coding	0.00769	0.989339
ENSMUSG00000051335.7,Gfod1,protein_coding	0.00768	0.97325
ENSMUSG00000068523.13,Gng5,protein_coding	0.00763	0.990813
ENSMUSG00000038077.8,Kcna6,protein_coding	0.00762	0.975413
ENSMUSG00000030386.20,Zfp606,protein_coding	0.0076	0.975256
ENSMUSG00000028062.16,Lamtor2,protein_coding	0.00755	0.982545
ENSMUSG00000029505.19,Ep400,protein_coding	0.00753	0.959285

ENSMUSG00000022820.5,Ndufb4,protein_coding	0.00752	0.972923
ENSMUSG00000061724.6,Gm2423,processed_pseudogene	0.00749	0.990013
ENSMUSG00000035370.10,Gm49322,protein_coding	0.00749	0.983747
ENSMUSG00000048264.17,Dip2c,protein_coding	0.00749	0.97108
ENSMUSG00000043866.12,Taf10,protein_coding	0.00746	0.965844
ENSMUSG00000121382.1,ENSMUSG00000121382,lncRNA	0.00745	0.987025
ENSMUSG00000034235.18,Usp54,protein_coding	0.00739	0.963727
ENSMUSG00000029097.12,Trmt44,protein_coding	0.00735	0.969766
ENSMUSG00000002763.17,Pex6,protein_coding	0.00733	0.9765
ENSMUSG00000107208.2,D130004A15Rik,TEC	0.00727	0.98862
ENSMUSG00000035992.16,Fnip1,protein_coding	0.00727	0.964952
ENSMUSG00000040759.10,Cmtm5,protein_coding	0.00726	0.975408
ENSMUSG00000027787.15,Nmd3,protein_coding	0.00726	0.973539
ENSMUSG00000028495.15,Rps6,protein_coding	0.00726	0.988832
ENSMUSG00000050029.8,Rap2c,protein_coding	0.00723	0.974554
ENSMUSG00000031012.18,Cask,protein_coding	0.00722	0.97399
ENSMUSG00000075229.12,Mix23,protein_coding	0.0072	0.981138
ENSMUSG00000045092.9,S1pr1,protein_coding	0.0072	0.965279
ENSMUSG00000131269.1,ENSMUSG00000131269,lncRNA	0.00715	0.979354
ENSMUSG00000031858.18,Mau2,protein_coding	0.00714	0.960409
ENSMUSG00000038718.16,Pbx3,protein_coding	0.00708	0.980624
ENSMUSG00000030316.14,Tamm41,protein_coding	0.00707	0.970066
ENSMUSG00000031748.17,Gnao1,protein_coding	0.00706	0.973896
ENSMUSG00000036398.14,Ppp1r11,protein_coding	0.00705	0.971882
ENSMUSG00000029403.15,Cdkl2,protein_coding	0.00701	0.977312
ENSMUSG00000118664.1,Tusc3,protein_coding	0.00699	0.98137
ENSMUSG00000028890.14,Mtf1,protein_coding	0.00697	0.955935
ENSMUSG00000031343.14,Gabra3,protein_coding	0.00692	0.98208
ENSMUSG00000029547.11,Ints1,protein_coding	0.00692	0.973927
ENSMUSG00000006498.17,Ptbp1,protein_coding	0.00691	0.990166
ENSMUSG00000003037.17,Rab8a,protein_coding	0.00689	0.972151
ENSMUSG00000020541.13,Tom1l1,protein_coding	0.00684	0.973961
ENSMUSG00000026618.12,Iars2,protein_coding	0.00683	0.95958
ENSMUSG00000048251.16,Bcl11b,protein_coding	0.00682	0.989261
ENSMUSG00000046593.4,Tmem215,protein_coding	0.00682	0.98353
ENSMUSG00000026687.15,Aldh9a1,protein_coding	0.0068	0.979166
ENSMUSG00000054942.14,Miga1,protein_coding	0.00678	0.962063
ENSMUSG00000069893.11,9930111J21Rik1,protein_coding	0.00677	0.993824
ENSMUSG00000143481.1,ENSMUSG00000143481,lncRNA	0.00675	0.984524
ENSMUSG00000005125.14,Ndrg1,protein_coding	0.00672	0.976477
ENSMUSG00000024248.15,Cox7a2l,protein_coding	0.00671	0.97626
ENSMUSG00000020462.15,Cfap36,protein_coding	0.00669	0.971699
ENSMUSG00000087675.3,Gm11762,lncRNA	0.00669	0.98716
ENSMUSG00000025544.14,Tm9sf2,protein_coding	0.00668	0.975634
ENSMUSG00000048661.15,Lemd3,protein_coding	0.00667	0.95884
ENSMUSG00000043535.14,Setx,protein_coding	0.00665	0.968814
ENSMUSG00000033319.6,Fem1c,protein_coding	0.00659	0.977496
ENSMUSG00000063296.6,Tmem117,protein_coding	0.00657	0.979513
ENSMUSG00000022479.16,Vdr,protein_coding	0.00655	0.993091
ENSMUSG00000112420.2,Gm48543,TEC	0.00653	0.985288
ENSMUSG00000027551.16,Zfp64,protein_coding	0.00651	0.971972
ENSMUSG00000008730.18,Hipk1,protein_coding	0.0065	0.966222

ENSMUSG00000041710.5,Trpc5,protein_coding	0.00643	0.980616
ENSMUSG00000006941.6,Eif1b,protein_coding	0.0064	0.975433
ENSMUSG00000028646.17,Rragc,protein_coding	0.0064	0.968388
ENSMUSG00000021024.15,Psma6,protein_coding	0.00639	0.980152
ENSMUSG00000031534.16,Smim19,protein_coding	0.00638	0.979437
ENSMUSG00000050234.8,Gja4,protein_coding	0.00636	0.989393
ENSMUSG00000031996.18,Aplp2,protein_coding	0.0063	0.972559
ENSMUSG00000041936.19,Agrn,protein_coding	0.00628	0.98031
ENSMUSG00000003154.17,Foxj2,protein_coding	0.00627	0.970419
ENSMUSG00000039458.16,Mtmr12,protein_coding	0.00627	0.97668
ENSMUSG00000028737.16,Aldh4a1,protein_coding	0.00626	0.979786
ENSMUSG00000023456.17,Tpi1,protein_coding	0.00625	0.981444
ENSMUSG00000107970.2,Gm49058,TEC	0.00622	0.989039
ENSMUSG00000021615.14,Xrcc4,protein_coding	0.00618	0.984424
ENSMUSG00000038324.14,Trpc4ap,protein_coding	0.00614	0.962516
ENSMUSG00000047415.13,Gpr68,protein_coding	0.0061	0.985171
ENSMUSG00000120324.2,Gm57007,lncRNA	0.00609	0.988442
ENSMUSG00000053846.6,Lipg,protein_coding	0.00605	0.990764
ENSMUSG00000032500.11,Dclk3,protein_coding	0.00604	0.990909
ENSMUSG00000023010.16,Tmbim6,protein_coding	0.00602	0.968376
ENSMUSG00000031672.9,Got2,protein_coding	0.00596	0.976267
ENSMUSG00000039159.17,Ube2h,protein_coding	0.00595	0.9674
ENSMUSG00000074886.12,Grk6,protein_coding	0.00594	0.979172
ENSMUSG00000035621.14,Midn,protein_coding	0.00591	0.971288
ENSMUSG00000067370.5,B3galt4,protein_coding	0.00591	0.986727
ENSMUSG00000074890.5,Lcmt2,protein_coding	0.00588	0.984098
ENSMUSG00000102526.2,Gm37785,TEC	0.00588	0.989976
ENSMUSG00000030188.13,Magohb,protein_coding	0.00587	0.988393
ENSMUSG00000034543.16,Morc2a,protein_coding	0.00587	0.973692
ENSMUSG00000038697.16,Taf5l,protein_coding	0.00585	0.982092
ENSMUSG00000034667.9,Xpot,protein_coding	0.00583	0.976225
ENSMUSG00000107096.5,Gm43597,lncRNA	0.00582	0.982033
ENSMUSG00000116735.2,Gm49555,TEC	0.00579	0.988791
ENSMUSG00000067889.8,Sptbn2,protein_coding	0.00576	0.984946
ENSMUSG00000042105.19,Inpp5f,protein_coding	0.00574	0.96848
ENSMUSG00000073702.12,Rpl31,protein_coding	0.00574	0.986994
ENSMUSG00000114081.2,Gm48904,TEC	0.0057	0.986583
ENSMUSG00000014867.10,Surf4,protein_coding	0.00565	0.969989
ENSMUSG00000005609.17,Ctr9,protein_coding	0.00565	0.966576
ENSMUSG00000028565.19,Nfia,protein_coding	0.00564	0.982945
ENSMUSG00000066324.3,Bpnt2,protein_coding	0.00563	0.974951
ENSMUSG00000036955.17,Kifbp,protein_coding	0.00562	0.977176
ENSMUSG00000077274.3,Gm22786,snoRNA	0.00562	0.991187
ENSMUSG00000030421.10,Uri1,protein_coding	0.00559	0.974367
ENSMUSG00000023992.15,Trem2,protein_coding	0.00555	0.987896
ENSMUSG00000051977.17,Prdm9,protein_coding	0.00541	0.98995
ENSMUSG00000063873.11,Slc24a3,protein_coding	0.0054	0.980773
ENSMUSG00000118181.2,Gm53015,lncRNA	0.0054	0.986398
ENSMUSG00000046329.15,Slc25a23,protein_coding	0.00537	0.982671
ENSMUSG00000019865.10,Nmbr,protein_coding	0.00535	0.995307
ENSMUSG00000042492.13,Tbc1d10b,protein_coding	0.00534	0.974319
ENSMUSG00000030123.16,Plxnd1,protein_coding	0.00526	0.986918

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ENSMUSG00000020611.15,Gna13,protein_coding	0.00522	0.988399
ENSMUSG00000039706.12,Ldb2,protein_coding	0.0052	0.98538
ENSMUSG00000021771.15,Vdac2,protein_coding	0.00516	0.975522
ENSMUSG00000108246.2,Gm43896,TEC	0.00513	0.992436
ENSMUSG00000038023.13,Atp6v0a2,protein_coding	0.00512	0.964232
ENSMUSG00000027534.17,Snx16,protein_coding	0.00511	0.982855
ENSMUSG00000106676.2,Gm42895,TEC	0.0051	0.986629
ENSMUSG00000036879.17,Phkb,protein_coding	0.00503	0.975472
ENSMUSG00000003402.15,Prkcsh,protein_coding	0.00503	0.979328
ENSMUSG00000024383.10,Map3k2,protein_coding	0.00497	0.979145
ENSMUSG00000038930.12,Rccd1,protein_coding	0.00496	0.986958
ENSMUSG00000036957.9,Lrfn3,protein_coding	0.00486	0.987448
ENSMUSG00000036499.10,Eea1,protein_coding	0.00481	0.977357
ENSMUSG00000028416.14,Bag1,protein_coding	0.00479	0.977418
ENSMUSG00000035901.15,Dennd5a,protein_coding	0.00471	0.975886
ENSMUSG00000064344.1,mt-Tm,Mt_tRNA	0.0047	0.991615
ENSMUSG00000061689.16,Dlgap4,protein_coding	0.00469	0.985717
ENSMUSG00000033577.19,Myo6,protein_coding	0.00467	0.977034
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ENSMUSG00000034343.15,Ube2f,protein_coding	0.00464	0.97438
ENSMUSG00000026662.14,Sephs1,protein_coding	0.00463	0.981285
ENSMUSG00000087433.4,Gm14167,lncRNA	0.00451	0.992484
ENSMUSG00000047583.10,Tyw3,protein_coding	0.00449	0.982585
ENSMUSG00000040136.11,Abcc8,protein_coding	0.00449	0.988715
ENSMUSG00000120358.2,Gm56786,lncRNA	0.00448	0.994595
ENSMUSG00000027676.12,Ccdc39,protein_coding	0.00448	0.985422
ENSMUSG00000021120.12,Pigh,protein_coding	0.00448	0.983971
ENSMUSG00000015134.16,Aldh1a3,protein_coding	0.00445	0.991869
ENSMUSG00000117231.3,Gm41609,lncRNA	0.00442	0.993431
ENSMUSG00000121818.2,Rpl37rt,lncRNA	0.00442	0.994073
ENSMUSG00000041164.16,Zmiz2,protein_coding	0.00437	0.983466
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ENSMUSG00000106665.2,Gm43389,TEC	0.00434	0.987263
ENSMUSG00000110869.2,Gm49628,TEC	0.00423	0.992615
ENSMUSG00000033475.16,Tomm6,protein_coding	0.00423	0.987424
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ENSMUSG00000047454.13,Gphn,protein_coding	0.00414	0.974301
ENSMUSG00000100555.2,Gm8173,processed_pseudogene	0.00414	0.994522
ENSMUSG00000021592.19,Arsk,protein_coding	0.0041	0.989766
ENSMUSG00000041762.17,Gpr155,protein_coding	0.00407	0.988361
ENSMUSG00000037426.19,Depdc5,protein_coding	0.00406	0.975179
ENSMUSG00000029020.14,Mfn2,protein_coding	0.00405	0.985683
ENSMUSG00000054555.12,Adam12,protein_coding	0.00402	0.989371
ENSMUSG00000059363.11,Fxn,protein_coding	0.00401	0.992384
ENSMUSG00000024576.15,Csnk1a1,protein_coding	0.004	0.981984
ENSMUSG00000033147.17,Slc22a15,protein_coding	0.00396	0.987658
ENSMUSG00000079242.4,C730034F03Rik,lncRNA	0.00394	0.991824
ENSMUSG00000045973.19,Slc25a51,protein_coding	0.00393	0.980575
ENSMUSG00000036427.6,Gpi1,protein_coding	0.00389	0.986777

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ENSMUSG00000033327.19,Tnxb,protein_coding	0.00384	0.990396
ENSMUSG00000028013.17,Ppa2,protein_coding	0.00381	0.981436
ENSMUSG00000020303.3,Stc2,protein_coding	0.00381	0.993806
ENSMUSG00000020333.18,Acsl6,protein_coding	0.00381	0.980347
ENSMUSG00000046994.10,Mars2,protein_coding	0.00381	0.986858
ENSMUSG00000062190.13,Lancl2,protein_coding	0.00377	0.987467
ENSMUSG00000061374.15,Fiz1,protein_coding	0.00377	0.983614
ENSMUSG00000026999.15,Nup35,protein_coding	0.00375	0.98912
ENSMUSG00000039623.14,Ap5z1,protein_coding	0.00374	0.988931
ENSMUSG00000018707.14,Dync1h1,protein_coding	0.00372	0.985587
ENSMUSG00000039106.7,Htr5a,protein_coding	0.00369	0.988711
ENSMUSG00000042129.9,Rassf4,protein_coding	0.00369	0.993989
ENSMUSG00000003068.18,Stk11,protein_coding	0.00366	0.984677
ENSMUSG00000022889.8,Mrpl39,protein_coding	0.00366	0.988476
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ENSMUSG00000125305.1,ENSMUSG00000125305,lncRNA	0.00359	0.995661
ENSMUSG00000050896.13,Rtn4rl2,protein_coding	0.00354	0.99438
ENSMUSG00000048799.9,Cep120,protein_coding	0.00354	0.983751
ENSMUSG00000101493.4,2810405F17Rik,lncRNA	0.00352	0.991208
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ENSMUSG00000025059.17,Gk,protein_coding	0.00343	0.984065
ENSMUSG00000022350.8,Washc5,protein_coding	0.00342	0.981126
ENSMUSG00000020107.11,Anapc16,protein_coding	0.00339	0.982922
ENSMUSG00000020537.10,Drg2,protein_coding	0.00333	0.986057
ENSMUSG00000037653.8,Kctd8,protein_coding	0.0033	0.991891
ENSMUSG00000028397.14,Kdm4c,protein_coding	0.0033	0.986024
ENSMUSG00000041168.11,Lonp1,protein_coding	0.00327	0.987233
ENSMUSG00000004317.15,Clcn5,protein_coding	0.00322	0.987779
ENSMUSG00000025531.15,Chm,protein_coding	0.0032	0.989193
ENSMUSG00000059316.3,Slc27a4,protein_coding	0.00319	0.991372
ENSMUSG00000020257.14,Wdr82,protein_coding	0.00318	0.980871
ENSMUSG00000022338.9,Eny2,protein_coding	0.00318	0.98623
ENSMUSG00000053477.19,Tcf4,protein_coding	0.00318	0.990108
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ENSMUSG00000042650.4,Alkbh5,protein_coding	0.00314	0.983219
ENSMUSG00000025646.10,Atrip,protein_coding	0.00313	0.987277
ENSMUSG00000022960.14,Donson,protein_coding	0.00312	0.985938
ENSMUSG00000041079.13,Rwdd2b,protein_coding	0.00311	0.988633
ENSMUSG00000039069.20,Mtg2,protein_coding	0.00304	0.988045
ENSMUSG00000035530.14,Eif1,protein_coding	0.00298	0.986112
ENSMUSG00000090330.4,9130221H12Rik,lncRNA	0.00297	0.989081
ENSMUSG00000019737.15,Syne4,protein_coding	0.00295	0.995791
ENSMUSG00000049038.4,Mterf2,protein_coding	0.00294	0.98735
ENSMUSG00000058603.11,Rpl28-ps1,processed_pseudogene	0.00293	0.994588
ENSMUSG00000035437.16,Rabgap1,protein_coding	0.00279	0.982168
ENSMUSG00000053626.6,Tll1,protein_coding	0.00278	0.995889
ENSMUSG00000038122.10,Tbc1d32,protein_coding	0.00276	0.98805
ENSMUSG00000060678.6,H4c3,protein_coding	0.00276	0.996369

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ENSMUSG00000031837.15,Necab2,protein_coding	0.00272	0.995688
ENSMUSG00000054405.15,Dnajc8,protein_coding	0.0027	0.982756
ENSMUSG00000035835.15,Plppr3,protein_coding	0.00269	0.995718
ENSMUSG00000031758.11,Cdyl2,protein_coding	0.00268	0.990717
ENSMUSG00000047714.15,Ppp1r2,protein_coding	0.00264	0.990193
ENSMUSG00000033307.8,Mif,protein_coding	0.00264	0.99406
ENSMUSG00000062007.14,Hsh2d,protein_coding	0.00261	0.998676
ENSMUSG00000004267.17,Eno2,protein_coding	0.00259	0.991994
ENSMUSG00000034024.9,Cct2,protein_coding	0.00247	0.992198
ENSMUSG00000028439.15,Fam219a,protein_coding	0.00247	0.993344
ENSMUSG00000024924.15,Vldlr,protein_coding	0.00245	0.991043
ENSMUSG00000029469.15,Ift81,protein_coding	0.00243	0.987592
ENSMUSG00000027884.17,Clcc1,protein_coding	0.00243	0.98895
ENSMUSG00000093656.2,Gm20628,lncRNA	0.00242	0.996883
ENSMUSG00000021575.17,Ahrr,protein_coding	0.00242	0.996101
ENSMUSG00000024099.16,Ndufv2,protein_coding	0.00239	0.991306
ENSMUSG00000096974.5,Gm26881,lncRNA	0.00238	0.996732
ENSMUSG00000028919.12,Arhgef19,protein_coding	0.00236	0.994372
ENSMUSG00000025066.11,Sfr1,protein_coding	0.00232	0.988609
ENSMUSG00000024812.12,Tjp2,protein_coding	0.00231	0.990773
ENSMUSG00000031728.11,Zfp821,protein_coding	0.00231	0.989545
ENSMUSG00000055447.20,Cd47,protein_coding	0.0023	0.988875
ENSMUSG00000027560.5,Dok5,protein_coding	0.00227	0.993916
ENSMUSG00000079036.11,Alkbh1,protein_coding	0.00225	0.99362
ENSMUSG00000023330.13,Dtwd1,protein_coding	0.00216	0.996164
ENSMUSG00000030279.16,C2cd5,protein_coding	0.00214	0.991252
ENSMUSG00000019854.18,Reps1,protein_coding	0.00205	0.989102
ENSMUSG00000042572.13,Ube2q1,protein_coding	0.00205	0.987308
ENSMUSG00000009569.15,Mrtfb,protein_coding	0.00203	0.995032
ENSMUSG00000022261.7,Sdc2,protein_coding	0.00199	0.98902
ENSMUSG00000021010.10,Npas3,protein_coding	0.00198	0.991622
ENSMUSG00000029156.12,Sgcb,protein_coding	0.00198	0.990654
ENSMUSG00000040220.11,Gas8,protein_coding	0.00194	0.992551
ENSMUSG00000120583.2,Gm56501,lncRNA	0.00191	0.995688
ENSMUSG00000104181.2,Gm8850,processed_pseudogene	0.00185	0.996998
ENSMUSG00000057278.9,Snrpg,protein_coding	0.00181	0.996295
ENSMUSG00000042350.14,Arel1,protein_coding	0.0018	0.991569
ENSMUSG00000119705.1,Gm23933,snoRNA	0.0018	0.998505
ENSMUSG00000029221.16,Slc30a9,protein_coding	0.00173	0.990846
ENSMUSG00000043770.11,Gm12481,processed_pseudogene	0.00165	0.998886
ENSMUSG00000122223.1,ENSMUSG00000122223,lncRNA	0.00165	0.998419
ENSMUSG00000001424.15,Snd1,protein_coding	0.00154	0.994686
ENSMUSG00000043940.16,Wdfy3,protein_coding	0.00154	0.992902
ENSMUSG00000057604.10,Lmcd1,protein_coding	0.00152	0.99676
ENSMUSG00000039652.17,Cpeb3,protein_coding	0.00146	0.993674
ENSMUSG00000025899.15,Alkbh8,protein_coding	0.00142	0.99267
ENSMUSG00000110344.2,Smim36,protein_coding	0.00141	0.996039
ENSMUSG00000029598.13,Plbd2,protein_coding	0.0014	0.994362
ENSMUSG00000036817.15,Sun1,protein_coding	0.0014	0.994086
ENSMUSG00000091623.4,Gm17092,lncRNA	0.0014	0.998319

ENSMUSG00000030905.6,Crym,protein_coding	0.00134	0.997668
ENSMUSG00000037822.13,Smim14,protein_coding	0.00132	0.991458
ENSMUSG00000060450.15,Rnf14,protein_coding	0.0013	0.995326
ENSMUSG00000011114.19,Tbrg1,protein_coding	0.0013	0.994503
ENSMUSG00000032009.9,Sesn3,protein_coding	0.0013	0.993993
ENSMUSG00000059447.14,Hadhb,protein_coding	0.00128	0.994931
ENSMUSG00000013495.16,Tmem175,protein_coding	0.00127	0.992637
ENSMUSG00000120920.1,Gm56812,lncRNA	0.00126	0.99676
ENSMUSG00000015478.14,Rnf5,protein_coding	0.0012	0.995975
ENSMUSG00000025939.20,Ube2w,protein_coding	0.00118	0.996409
ENSMUSG00000062861.9,Zfp28,protein_coding	0.00117	0.995962
ENSMUSG00000031422.17,Morf4l2,protein_coding	0.00114	0.994113
ENSMUSG00000020176.18,Grb10,protein_coding	0.00113	0.997335
ENSMUSG00000022234.16,Cct5,protein_coding	0.00108	0.996818
ENSMUSG00000104525.2,Gm37334,TEC	0.00103	0.99742
ENSMUSG00000026209.16,Dnpep,protein_coding	0.001	0.997027
ENSMUSG00000060093.7,H4c1,protein_coding	0.00095	0.998987
ENSMUSG00000069662.6,Marcks,protein_coding	0.00095	0.996001
ENSMUSG00000024735.14,Prpf19,protein_coding	0.00094	0.995301
ENSMUSG00000015488.15,Cacfd1,protein_coding	0.00092	0.995758
ENSMUSG00000018865.10,Sult4a1,protein_coding	0.00092	0.997553
ENSMUSG00000036513.16,Commd2,protein_coding	0.00089	0.99716
ENSMUSG00000029538.15,Srsf9,protein_coding	0.00088	0.99596
ENSMUSG00000032289.16,Thsd4,protein_coding	0.00086	0.997707
ENSMUSG00000106688.3,Gm42851,lncRNA	0.00084	0.998485
ENSMUSG00000069920.11,B3gnt9,protein_coding	0.00082	0.998379
ENSMUSG00000102252.6,Snrpn,protein_coding	0.00082	0.997081
ENSMUSG00000068859.6,Sp9,protein_coding	0.00077	0.998915
ENSMUSG00000043993.9,2900052L18Rik,lncRNA	0.00076	0.998198
ENSMUSG00000085565.2,Gm15721,lncRNA	0.00075	0.998947
ENSMUSG00000020101.15,Vsir,protein_coding	0.00073	0.998016
ENSMUSG00000071659.5,Hnrnpul2,protein_coding	0.00072	0.994757
ENSMUSG00000041607.18,Mbp,protein_coding	0.00069	0.997543
ENSMUSG00000103591.2,Gm38365,TEC	0.00061	0.998736
ENSMUSG00000020664.11,Dld,protein_coding	0.00061	0.997788
ENSMUSG00000024072.10,Yipf4,protein_coding	0.00058	0.998241
ENSMUSG00000141668.1,ENSMUSG00000141668,lncRNA	0.00057	0.999358
ENSMUSG00000028931.13,Kcnab2,protein_coding	0.00055	0.998485
ENSMUSG00000037531.9,Mrpl47,protein_coding	0.00051	0.99805
ENSMUSG00000063884.7,Ptcd3,protein_coding	0.00049	0.997182
ENSMUSG00000032228.17,Tcf12,protein_coding	0.00049	0.998281
ENSMUSG00000034308.14,Sdr42e1,protein_coding	0.00046	0.999102
ENSMUSG00000020389.20,Cdkl3,protein_coding	0.00045	0.998487
ENSMUSG00000032640.11,Chsy1,protein_coding	0.00043	0.998328
ENSMUSG00000039683.17,Sdk1,protein_coding	0.0004	0.999056
ENSMUSG00000051652.5,Lrrc3,protein_coding	0.00038	0.999279
ENSMUSG00000120859.2,Gm57434,lncRNA	0.00037	0.999548
ENSMUSG00000022100.15,Xpo7,protein_coding	0.00037	0.997426
ENSMUSG00000116760.3,Gm1604a,lncRNA	0.00036	0.999399
ENSMUSG00000050394.15,Armcx6,protein_coding	0.00034	0.999272
ENSMUSG00000026857.10,Ntmt1,protein_coding	0.0003	0.999184
ENSMUSG00000045498.2,Pcdhb3,protein_coding	0.00028	0.999385

ENSMUSG00000021908.11,Ncoa4-ps,transcribed_processed_pseudogene	0.00026	0.999847
ENSMUSG00000007415.16,Gatad1,protein_coding	0.00026	0.998601
ENSMUSG00000024970.6,Spindoc,protein_coding	0.00024	0.999163
ENSMUSG00000020220.17,Vps13d,protein_coding	0.00021	0.998559
ENSMUSG00000120153.2,Gm56804,lncRNA	0.00021	0.999678
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ENSMUSG00000068923.15,Syt11,protein_coding	0.00019	0.999317
ENSMUSG00000022201.17,Zfr,protein_coding	0.00018	0.999219
ENSMUSG00000074305.10,Peak1,protein_coding	0.00016	0.999291
ENSMUSG00000026227.12,2810459M11Rik,protein_coding	0.00016	0.999635
ENSMUSG00000020366.19,Mapk9,protein_coding	0.00015	0.99925
ENSMUSG00000041215.17,Yeats2,protein_coding	0.00013	0.99938
ENSMUSG00000008035.13,Mid1ip1,protein_coding	0.00012	0.999494
ENSMUSG00000021983.17,Atp8a2,protein_coding	0.00012	0.999524
ENSMUSG00000033220.8,Rac2,protein_coding	9.6E-05	0.999935
ENSMUSG00000039308.7,Ndst2,protein_coding	5.2E-05	0.999788
ENSMUSG00000025040.14,Fundc1,protein_coding	4.7E-05	0.999826
ENSMUSG00000105940.2,Gm42635,TEC	2.2E-05	0.999965
ENSMUSG00000039850.17,Endov,protein_coding	-1E-05	0.999949
ENSMUSG00000087344.3,Gm15627,lncRNA	-2E-05	0.999973
ENSMUSG00000026797.17,Stxbp1,protein_coding	-3E-05	0.99988
ENSMUSG00000035356.18,Nfkbiz,protein_coding	-4E-05	0.999934
ENSMUSG00000029189.11,Sel1l3,protein_coding	-6E-05	0.999841
ENSMUSG00000059273.11,Zc3h4,protein_coding	-6E-05	0.999654
ENSMUSG00000053550.14,Shisa7,protein_coding	-1E-04	0.999793
ENSMUSG00000015981.13,Stk32c,protein_coding	-0.0001	0.999764
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ENSMUSG00000039431.17,Mtmr7,protein_coding	-0.0003	0.998918
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ENSMUSG00000025078.10,Nhlrc2,protein_coding	-0.0003	0.998642
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ENSMUSG00000055254.16,Ntrk2,protein_coding	-0.0004	0.99844
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ENSMUSG00000021548.11,Ccnh,protein_coding	-0.0004	0.998452
ENSMUSG00000029474.8,Rnf34,protein_coding	-0.0004	0.997332
ENSMUSG00000023968.16,Crip3,protein_coding	-0.0005	0.999627
ENSMUSG00000029404.16,Arl6ip4,protein_coding	-0.0005	0.998177
ENSMUSG00000034227.8,Foxj1,protein_coding	-0.0006	0.999078
ENSMUSG00000054648.9,Zfp869,protein_coding	-0.0006	0.997498
ENSMUSG00000026496.12,Parp1,protein_coding	-0.0007	0.997832
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ENSMUSG00000022674.16,Ube2v2,protein_coding	-0.0011	0.996987
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ENSMUSG00000025016.12,Tm9sf3,protein_coding	-0.0014	0.994623
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ENSMUSG00000074607.12,Tox2,protein_coding	-0.0014	0.997216
ENSMUSG00000038533.16,Cbfa2t2,protein_coding	-0.0015	0.992056
ENSMUSG00000001855.16,Nup214,protein_coding	-0.0015	0.992989
ENSMUSG00000031197.12,Vbp1,protein_coding	-0.0015	0.996376
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ENSMUSG00000027006.14,Dnajc10,protein_coding	-0.0019	0.992269
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ENSMUSG00000006289.15,Osgep,protein_coding	-0.002	0.990581
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ENSMUSG00000035399.13,Oser1,protein_coding	-0.002	0.995374
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ENSMUSG00000040836.16,Gpr161,protein_coding	-0.0021	0.992799
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ENSMUSG00000029672.17,Fam3c,protein_coding	-0.0025	0.989664
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ENSMUSG00000028633.8,Ctps1,protein_coding	-0.0026	0.988943
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ENSMUSG00000027642.16,Rpn2,protein_coding	-0.0042	0.984467
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ENSMUSG00000055692.22,Tmem191,protein_coding	-0.0043	0.992169
ENSMUSG00000025154.16,Arhgap19,protein_coding	-0.0043	0.992391
ENSMUSG00000087935.3,Snora81,snoRNA	-0.0043	0.994985
ENSMUSG00000046441.6,Cmtr2,protein_coding	-0.0044	0.986328
ENSMUSG00000057455.13,Rit2,protein_coding	-0.0044	0.983729
ENSMUSG00000026113.18,Inpp4a,protein_coding	-0.0045	0.979733

ENSMUSG00000014195.17,Dnajc7,protein_coding	-0.0045	0.9717
ENSMUSG00000031995.10,St14,protein_coding	-0.0045	0.996078
ENSMUSG00000070394.11,Tmem256,protein_coding	-0.0045	0.988449
ENSMUSG00000063787.5,Chchd1,protein_coding	-0.0046	0.984805
ENSMUSG00000040463.17,Mybbp1a,protein_coding	-0.0046	0.990122
ENSMUSG00000074737.4,C530025M09Rik,lncRNA	-0.0046	0.99163
ENSMUSG00000055553.17,Kxd1,protein_coding	-0.0046	0.985055
ENSMUSG00000109162.2,2900027M19Rik,TEC	-0.0047	0.985591
ENSMUSG00000020436.18,Gabrg2,protein_coding	-0.0047	0.9861
ENSMUSG00000040272.15,Accs,protein_coding	-0.0047	0.9872
ENSMUSG00000094832.2,Gm21846,TEC	-0.0047	0.987867
ENSMUSG00000042215.9,Bag2,protein_coding	-0.0047	0.988846
ENSMUSG00000008855.18,Hdac5,protein_coding	-0.0047	0.985163
ENSMUSG00000057778.15,Cyb5d2,protein_coding	-0.0048	0.981945
ENSMUSG00000041328.17,Pcf11,protein_coding	-0.0048	0.979418
ENSMUSG00000027942.18,4933434E20Rik,protein_coding	-0.0048	0.975682
ENSMUSG00000033632.18,AW554918,protein_coding	-0.0049	0.980056
ENSMUSG00000052144.10,Ppp4r2,protein_coding	-0.0049	0.988468
ENSMUSG00000119106.1,Gm23330,snRNA	-0.0049	0.993124
ENSMUSG00000043456.18,Zfp536,protein_coding	-0.0049	0.978965
ENSMUSG00000020877.12,Scrn2,protein_coding	-0.0049	0.992353
ENSMUSG00000031666.16,Rbl2,protein_coding	-0.0049	0.971406
ENSMUSG00000050565.17,Tor1aip2,protein_coding	-0.005	0.978745
ENSMUSG00000058298.11,Mcm9,protein_coding	-0.005	0.987412
ENSMUSG00000139502.1,ENSMUSG00000139502,lncRNA	-0.005	0.988589
ENSMUSG00000053094.16,Tmem248,protein_coding	-0.005	0.973784
ENSMUSG00000106739.2,Gm43499,TEC	-0.005	0.996791
ENSMUSG00000038526.15,Car14,protein_coding	-0.005	0.984445
ENSMUSG00000041891.17,Lman1,protein_coding	-0.005	0.985843
ENSMUSG00000038156.17,Spon1,protein_coding	-0.0051	0.975883
ENSMUSG00000049550.18,Clip1,protein_coding	-0.0051	0.976127
ENSMUSG00000067336.7,Bmpr2,protein_coding	-0.0051	0.977336
ENSMUSG00000109005.2,Gm45221,TEC	-0.0051	0.988644
ENSMUSG00000014601.14,Strip1,protein_coding	-0.0051	0.97684
ENSMUSG00000054885.14,4930578G10Rik,lncRNA	-0.0052	0.986988
ENSMUSG00000024068.9,Spast,protein_coding	-0.0052	0.977097
ENSMUSG00000032754.15,Slc8b1,protein_coding	-0.0052	0.986758
ENSMUSG00000020780.16,Srp68,protein_coding	-0.0052	0.973509
ENSMUSG00000024400.17,Wdr33,protein_coding	-0.0053	0.967941
ENSMUSG00000029869.8,Ephb6,protein_coding	-0.0053	0.989962
ENSMUSG00000094840.6,Muc3a,protein_coding	-0.0053	0.992171
ENSMUSG00000123652.1,ENSMUSG00000123652,lncRNA	-0.0053	0.994459
ENSMUSG00000026641.14,Usf1,protein_coding	-0.0053	0.979703
ENSMUSG00000032175.12,Tyk2,protein_coding	-0.0053	0.98044
ENSMUSG00000104569.2,Gm43054,TEC	-0.0053	0.993152
ENSMUSG00000039616.11,Mocos,protein_coding	-0.0054	0.991418
ENSMUSG00000038984.5,Tspyl5,protein_coding	-0.0054	0.983573
ENSMUSG00000026004.16,Kansl1l,protein_coding	-0.0054	0.983606
ENSMUSG00000001576.16,Ergic1,protein_coding	-0.0054	0.973136
ENSMUSG00000073155.13,Stmp1,protein_coding	-0.0054	0.981958
ENSMUSG00000003208.10,Yju2,protein_coding	-0.0054	0.977965
ENSMUSG00000020027.19,Socs2,protein_coding	-0.0055	0.983216

ENSMUSG00000032745.19,Gpbp1,protein_coding	-0.0055	0.98323
ENSMUSG00000001016.13,Ilf2,protein_coding	-0.0055	0.973359
ENSMUSG00000058706.6,0610030E20Rik,protein_coding	-0.0055	0.977044
ENSMUSG00000041417.16,Pik3r1,protein_coding	-0.0056	0.967489
ENSMUSG00000021051.11,Ppp2r5e,protein_coding	-0.0056	0.96837
ENSMUSG00000021962.10,Dcp1a,protein_coding	-0.0056	0.97223
ENSMUSG00000020463.16,Ppp4r3b,protein_coding	-0.0057	0.986022
ENSMUSG00000025917.10,Cops5,protein_coding	-0.0057	0.97457
ENSMUSG00000021488.9,Nsd1,protein_coding	-0.0057	0.962678
ENSMUSG00000030124.3,Lag3,protein_coding	-0.0057	0.994258
ENSMUSG00000027746.14,Ufm1,protein_coding	-0.0057	0.969899
ENSMUSG00000034757.16,Tmub2,protein_coding	-0.0057	0.979332
ENSMUSG00000009418.18,Nav1,protein_coding	-0.0057	0.980233
ENSMUSG00000040945.14,Rcc2,protein_coding	-0.0057	0.989847
ENSMUSG00000030760.15,Acer3,protein_coding	-0.0057	0.973961
ENSMUSG00000009741.17,Ubp1,protein_coding	-0.0058	0.971485
ENSMUSG00000063358.18,Mapk1,protein_coding	-0.0058	0.98115
ENSMUSG00000033184.15,Tmed7,protein_coding	-0.0058	0.982434
ENSMUSG00000105293.2,Gm42843,TEC	-0.0058	0.988392
ENSMUSG00000030980.19,Knop1,protein_coding	-0.0058	0.979165
ENSMUSG00000006676.18,Usp19,protein_coding	-0.0058	0.967326
ENSMUSG00000120183.2,1700085D22Rik,lncRNA	-0.0058	0.978825
ENSMUSG00000104784.3,Gm42984,lncRNA	-0.0059	0.991192
ENSMUSG00000026150.15,Mff,protein_coding	-0.0059	0.962814
ENSMUSG00000027397.15,Slc20a1,protein_coding	-0.0059	0.968432
ENSMUSG00000062901.4,Klhl24,protein_coding	-0.0059	0.976716
ENSMUSG00000073460.6,Pnldc1,protein_coding	-0.006	0.992564
ENSMUSG00000092090.5,Gm3294,lncRNA	-0.006	0.99034
ENSMUSG00000097328.8,Tnfsf12,protein_coding	-0.006	0.984265
ENSMUSG00000108108.2,Gm44270,TEC	-0.006	0.988233
ENSMUSG00000022139.18,Mbnl2,protein_coding	-0.0061	0.971672
ENSMUSG00000025856.16,Pdgfa,protein_coding	-0.0061	0.975046
ENSMUSG00000034088.16,Hdlbp,protein_coding	-0.0062	0.959235
ENSMUSG00000026090.17,Cracdl,protein_coding	-0.0062	0.987614
ENSMUSG00000124727.1,ENSMUSG00000124727,lncRNA	-0.0062	0.991833
ENSMUSG00000017176.18,Nt5c3b,protein_coding	-0.0063	0.969496
ENSMUSG00000019370.11,Calm3,protein_coding	-0.0063	0.980972
ENSMUSG00000023169.16,Slc38a1,protein_coding	-0.0063	0.969888
ENSMUSG00000051817.10,Sox12,protein_coding	-0.0063	0.980922
ENSMUSG00000118332.3,Smim10l3,protein_coding	-0.0063	0.979012
ENSMUSG00000037022.4,Mmaa,protein_coding	-0.0063	0.97337
ENSMUSG00000031756.6,Cenpn,protein_coding	-0.0064	0.994055
ENSMUSG00000041986.18,Elmod1,protein_coding	-0.0064	0.981297
ENSMUSG00000118555.2,Gm55889,transcribed_processed_pseudogene	-0.0064	0.991028
ENSMUSG00000026020.10,Nop58,protein_coding	-0.0064	0.981962
ENSMUSG00000026604.18,Ptpn14,protein_coding	-0.0064	0.978422
ENSMUSG00000070822.6,Zscan18,protein_coding	-0.0064	0.981873
ENSMUSG00000031937.8,Vstm5,protein_coding	-0.0064	0.986827
ENSMUSG00000022961.19,Son,protein_coding	-0.0064	0.969481
ENSMUSG00000016933.18,Plcg1,protein_coding	-0.0065	0.972144
ENSMUSG00000036323.15,Srp72,protein_coding	-0.0065	0.961169
ENSMUSG00000026347.14,Tmem163,protein_coding	-0.0065	0.985396

ENSMUSG00000000056.8,Narf,protein_coding	-0.0065	0.963021
ENSMUSG00000048905.6,Bnip5,protein_coding	-0.0065	0.988294
ENSMUSG00000023025.17,Larp4,protein_coding	-0.0066	0.979089
ENSMUSG00000026568.7,Mpc2,protein_coding	-0.0066	0.968562
ENSMUSG00000023050.10,Map3k12,protein_coding	-0.0066	0.971287
ENSMUSG00000005886.15,Ncoa2,protein_coding	-0.0066	0.95333
ENSMUSG00000024807.19,Syvn1,protein_coding	-0.0067	0.983675
ENSMUSG00000003458.13,Ncstn,protein_coding	-0.0067	0.968049
ENSMUSG00000028790.14,Khdrbs1,protein_coding	-0.0067	0.966399
ENSMUSG00000022948.17,Setd4,protein_coding	-0.0068	0.983311
ENSMUSG00000032507.16,Fbxl2,protein_coding	-0.0068	0.978017
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ENSMUSG00000026617.17,Bpnt1,protein_coding	-0.0068	0.961928
ENSMUSG00000028909.18,Ptpru,protein_coding	-0.0068	0.9772
ENSMUSG00000003437.15,Paf1,protein_coding	-0.0068	0.964752
ENSMUSG00000063802.6,Hspbp1,protein_coding	-0.0068	0.982245
ENSMUSG00000030619.11,Eed,protein_coding	-0.0068	0.984692
ENSMUSG00000043881.10,Kbtbd7,protein_coding	-0.0069	0.980538
ENSMUSG00000038671.16,Arfrp1,protein_coding	-0.0069	0.962942
ENSMUSG00000054814.15,Usp46,protein_coding	-0.0069	0.970927
ENSMUSG00000010607.9,Pigyl,protein_coding	-0.0069	0.984779
ENSMUSG00000000787.13,Ddx3x,protein_coding	-0.0069	0.971603
ENSMUSG00000031549.17,Ido2,protein_coding	-0.0069	0.986135
ENSMUSG00000022533.15,Atp13a3,protein_coding	-0.007	0.977676
ENSMUSG00000118030.3,Gm50163,lncRNA	-0.007	0.984613
ENSMUSG00000106024.2,A530083M17Rik,TEC	-0.007	0.98609
ENSMUSG00000052698.16,Tln2,protein_coding	-0.007	0.972374
ENSMUSG00000101249.2,Gm29216,unprocessed_pseudogene	-0.007	0.981996
ENSMUSG00000104222.3,Gm7292,lncRNA	-0.0071	0.977499
ENSMUSG00000028468.16,Rgp1,protein_coding	-0.0071	0.966254
ENSMUSG00000032846.13,Zswim6,protein_coding	-0.0071	0.974139
ENSMUSG00000022191.17,Drosha,protein_coding	-0.0071	0.963688
ENSMUSG00000048865.17,Arhgap30,protein_coding	-0.0071	0.995219
ENSMUSG00000073563.4,Csnk1g3,protein_coding	-0.0072	0.965359
ENSMUSG00000073787.5,Gm10575,lncRNA	-0.0073	0.990266
ENSMUSG00000026135.18,Zfp142,protein_coding	-0.0073	0.965341
ENSMUSG00000052675.12,Zfp112,protein_coding	-0.0073	0.975582
ENSMUSG00000036138.17,Acaa1a,protein_coding	-0.0073	0.971241
ENSMUSG00000032609.13,Klhdc8b,protein_coding	-0.0073	0.98396
ENSMUSG00000105590.2,Gm43364,TEC	-0.0074	0.990138
ENSMUSG00000025024.8,Smndc1,protein_coding	-0.0074	0.980906
ENSMUSG00000016541.11,Atxn10,protein_coding	-0.0074	0.96706
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ENSMUSG00000036155.14,Mgat5,protein_coding	-0.0074	0.971333
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ENSMUSG00000033554.18,Dph5,protein_coding	-0.0075	0.98589
ENSMUSG00000002732.15,Fkbp7,protein_coding	-0.0075	0.988017
ENSMUSG00000026914.16,Psmd14,protein_coding	-0.0076	0.969911
ENSMUSG00000087177.10,E130307A14Rik,lncRNA	-0.0077	0.971766
ENSMUSG00000102014.3,2900009J06Rik,lncRNA	-0.0078	0.986483
ENSMUSG00000047910.7,Pcdhb16,protein_coding	-0.0078	0.962686

ENSMUSG00000038534.21,Osbpl7,protein_coding	-0.0079	0.965266
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ENSMUSG00000037857.17,Nufip2,protein_coding	-0.0079	0.970474
ENSMUSG00000000399.11,Ndufa9,protein_coding	-0.0079	0.969979
ENSMUSG00000039810.12,Zc3h10,protein_coding	-0.0079	0.963356
ENSMUSG00000112020.2,Gm48532,TEC	-0.008	0.988115
ENSMUSG00000030584.15,Dpf1,protein_coding	-0.008	0.979705
ENSMUSG00000028246.14,Faxc,protein_coding	-0.008	0.969037
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ENSMUSG00000036792.13,Mbd5,protein_coding	-0.0081	0.959759
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ENSMUSG00000031432.4,Prps1,protein_coding	-0.0082	0.969176
ENSMUSG00000048878.7,Hexim1,protein_coding	-0.0082	0.966751
ENSMUSG00000029291.12,Rufy3,protein_coding	-0.0082	0.945896
ENSMUSG00000027599.10,Armc1,protein_coding	-0.0082	0.966543
ENSMUSG00000048424.19,Ranbp3l,protein_coding	-0.0082	0.983742
ENSMUSG00000030167.16,Klrc1,protein_coding	-0.0082	0.992538
ENSMUSG00000027712.14,Anxa5,protein_coding	-0.0082	0.974469
ENSMUSG00000058440.15,Nrf1,protein_coding	-0.0083	0.970836
ENSMUSG00000103906.2,Tigd5,protein_coding	-0.0083	0.975782
ENSMUSG00000032399.9,Rpl4,protein_coding	-0.0084	0.983504
ENSMUSG00000037149.11,Ddx1,protein_coding	-0.0084	0.96087
ENSMUSG00000097451.13,Rian,lncRNA	-0.0084	0.974512
ENSMUSG00000091780.4,Sco2,protein_coding	-0.0084	0.977802
ENSMUSG00000028522.17,Mier1,protein_coding	-0.0085	0.971787
ENSMUSG00000037007.18,Zfp113,protein_coding	-0.0085	0.961903
ENSMUSG00000035297.15,Cops4,protein_coding	-0.0085	0.949183
ENSMUSG00000020547.6,Bzw2,protein_coding	-0.0085	0.966187
ENSMUSG00000097520.5,4930488L21Rik,lncRNA	-0.0085	0.983924
ENSMUSG00000027893.15,Ahcyl1,protein_coding	-0.0086	0.95727
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ENSMUSG00000030447.16,Cyfip1,protein_coding	-0.0087	0.940398
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ENSMUSG00000094483.3,Purb,protein_coding	-0.0087	0.968335
ENSMUSG00000037243.18,Zfp692,protein_coding	-0.0088	0.976677
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ENSMUSG00000031314.20,Taf1,protein_coding	-0.0088	0.937397
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ENSMUSG00000113984.2,Gm48890,TEC	-0.0089	0.980797
ENSMUSG00000026833.19,Olfm1,protein_coding	-0.0089	0.976451
ENSMUSG00000018199.10,Ro60,protein_coding	-0.0089	0.968737
ENSMUSG00000113250.2,Gm48585,TEC	-0.0089	0.982283
ENSMUSG00000024045.7,Akap8,protein_coding	-0.0089	0.962946
ENSMUSG00000025337.11,Sbds,protein_coding	-0.009	0.952919
ENSMUSG00000022066.17,Entpd4b,protein_coding	-0.009	0.958105

ENSMUSG00000021023.15,Prorp,protein_coding	-0.009	0.982007
ENSMUSG00000116534.2,Gm49731,TEC	-0.009	0.981558
ENSMUSG00000032418.16,Me1,protein_coding	-0.009	0.960754
ENSMUSG00000020706.14,Ftsj3,protein_coding	-0.009	0.973281
ENSMUSG00000047281.4,Sfn,protein_coding	-0.009	0.987461
ENSMUSG00000036309.15,Skp1,protein_coding	-0.0091	0.965717
ENSMUSG00000035299.18,Mid1,protein_coding	-0.0092	0.979473
ENSMUSG00000003345.17,Csnk1g2,protein_coding	-0.0092	0.962169
ENSMUSG00000103505.2,Gm38374,TEC	-0.0092	0.981432
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ENSMUSG00000034602.16,Mon2,protein_coding	-0.0093	0.938175
ENSMUSG00000056204.9,Pgpep1,protein_coding	-0.0093	0.974708
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ENSMUSG00000032127.10,Vps11,protein_coding	-0.0093	0.955151
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ENSMUSG00000031536.7,Polb,protein_coding	-0.0094	0.961988
ENSMUSG00000031532.8,Saraf,protein_coding	-0.0094	0.968349
ENSMUSG00000031133.13,Arhgef6,protein_coding	-0.0094	0.986763
ENSMUSG00000001017.17,Chtop,protein_coding	-0.0094	0.950475
ENSMUSG00000020865.17,Abcc3,protein_coding	-0.0094	0.987714
ENSMUSG00000070287.4,Slc35g2,protein_coding	-0.0094	0.971926
ENSMUSG00000052676.17,Zmat1,protein_coding	-0.0095	0.9588
ENSMUSG00000038026.13,Kcnj9,protein_coding	-0.0096	0.969206
ENSMUSG00000021417.16,Eci2,protein_coding	-0.0096	0.963524
ENSMUSG00000065371.3,Gm22739,snRNA	-0.0097	0.986551
ENSMUSG00000134651.1,ENSMUSG00000134651,lncRNA	-0.0097	0.968824
ENSMUSG00000058589.16,Anks1b,protein_coding	-0.0097	0.965925
ENSMUSG00000038408.17,1700018A04Rik,lncRNA	-0.0097	0.983045
ENSMUSG00000021991.10,Cacna2d3,protein_coding	-0.0098	0.97783
ENSMUSG00000022325.15,Pop1,protein_coding	-0.0098	0.965455
ENSMUSG00000103996.2,4833421G17Rik,TEC	-0.0098	0.982274
ENSMUSG00000070697.5,Utp3,protein_coding	-0.0098	0.973871
ENSMUSG00000031970.18,Dbndd1,protein_coding	-0.0098	0.981976
ENSMUSG00000043290.7,Zfp784,protein_coding	-0.0099	0.968115
ENSMUSG00000142745.1,ENSMUSG00000142745,lncRNA	-0.0099	0.990581
ENSMUSG00000024969.17,Mark2,protein_coding	-0.0099	0.954276
ENSMUSG00000020015.11,Cdk17,protein_coding	-0.01	0.965425
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ENSMUSG00000036503.14,Rnf13,protein_coding	-0.01	0.958399
ENSMUSG00000068184.8,Ndufaf2,protein_coding	-0.01	0.966969
ENSMUSG00000022407.11,Adsl,protein_coding	-0.0101	0.974667
ENSMUSG00000026926.15,Pmpca,protein_coding	-0.0101	0.935385
ENSMUSG00000023977.16,Ubr2,protein_coding	-0.0101	0.934695
ENSMUSG00000035960.15,Apex1,protein_coding	-0.0101	0.971679
ENSMUSG00000028995.15,Hycc1,protein_coding	-0.0102	0.967827
ENSMUSG00000140700.1,ENSMUSG00000140700,lncRNA	-0.0102	0.986666
ENSMUSG00000140106.1,ENSMUSG00000140106,lncRNA	-0.0102	0.986239
ENSMUSG00000040731.14,Eif4h,protein_coding	-0.0102	0.945197
ENSMUSG00000070576.5,Mn1,protein_coding	-0.0103	0.982086
ENSMUSG00000007721.7,Ccdc124,protein_coding	-0.0103	0.969684
ENSMUSG00000022858.17,Tra2b,protein_coding	-0.0103	0.975205
ENSMUSG00000049148.9,Plcxd3,protein_coding	-0.0103	0.977246

ENSMUSG00000029502.15,Golga3,protein_coding	-0.0103	0.925205
ENSMUSG00000017485.12,Top2b,protein_coding	-0.0104	0.967345
ENSMUSG00000061904.13,Slc25a3,protein_coding	-0.0104	0.93311
ENSMUSG00000053574.6,4930563E22Rik,protein_coding	-0.0104	0.9785
ENSMUSG00000126543.1,ENSMUSG00000126543,lncRNA	-0.0105	0.984833
ENSMUSG00000043029.3,Trpv3,protein_coding	-0.0105	0.981579
ENSMUSG00000020184.16,Mdm2,protein_coding	-0.0105	0.950508
ENSMUSG00000022774.14,Ncbp2,protein_coding	-0.0105	0.947462
ENSMUSG00000020120.16,Plek,protein_coding	-0.0105	0.989584
ENSMUSG00000041258.19,Zfp236,protein_coding	-0.0105	0.944082
ENSMUSG00000020149.18,Rab1a,protein_coding	-0.0105	0.953346
ENSMUSG00000022340.16,Sybu,protein_coding	-0.0106	0.966452
ENSMUSG00000034653.12,Ythdc2,protein_coding	-0.0106	0.952526
ENSMUSG00000062929.9,Cfl2,protein_coding	-0.0106	0.957821
ENSMUSG00000031657.17,Heatr3,protein_coding	-0.0107	0.938885
ENSMUSG00000022863.16,Btg3,protein_coding	-0.0107	0.975423
ENSMUSG00000038056.16,Kmt2c,protein_coding	-0.0107	0.946868
ENSMUSG00000037410.14,Tbc1d2b,protein_coding	-0.0107	0.949805
ENSMUSG00000028322.12,Exosc3,protein_coding	-0.0107	0.977052
ENSMUSG00000044715.8,Gskip,protein_coding	-0.0108	0.941721
ENSMUSG00000104030.2,5330406M23Rik,TEC	-0.0108	0.967533
ENSMUSG00000071660.11,Ttc9c,protein_coding	-0.0108	0.963169
ENSMUSG00000040111.18,Gramd1b,protein_coding	-0.0108	0.954993
ENSMUSG00000066877.12,Nck2,protein_coding	-0.0108	0.970371
ENSMUSG00000053080.11,Zfta,protein_coding	-0.0108	0.951684
ENSMUSG00000089417.3,Gm22009,scaRNA	-0.0109	0.965545
ENSMUSG00000046798.15,Cldn12,protein_coding	-0.0109	0.952911
ENSMUSG00000015120.17,Ube2i,protein_coding	-0.0109	0.945453
ENSMUSG00000112036.2,Gm47801,TEC	-0.011	0.980154
ENSMUSG00000045983.17,Eif4g1,protein_coding	-0.011	0.947025
ENSMUSG00000034472.14,Rasd2,protein_coding	-0.011	0.984787
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ENSMUSG00000031667.17,Aktip,protein_coding	-0.0111	0.95444
ENSMUSG00000021840.18,Mapk1ip1l,protein_coding	-0.0111	0.959574
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ENSMUSG00000020231.16,Dip2a,protein_coding	-0.0111	0.955739
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ENSMUSG00000054057.4,A930004D18Rik,lncRNA	-0.0111	0.973813
ENSMUSG00000118661.1,Muc6,protein_coding	-0.0113	0.986869
ENSMUSG00000058809.9,Hspd1-ps3,processed_pseudogene	-0.0113	0.98082
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ENSMUSG00000022313.11,Utp23,protein_coding	-0.0114	0.954161
ENSMUSG00000047193.17,Dync2h1,protein_coding	-0.0115	0.933742
ENSMUSG00000062270.15,Morf4l1,protein_coding	-0.0115	0.944107
ENSMUSG00000027809.15,Etfdh,protein_coding	-0.0115	0.938855
ENSMUSG00000031775.6,Pllp,protein_coding	-0.0115	0.971276
ENSMUSG00000006392.17,Med8,protein_coding	-0.0115	0.96012
ENSMUSG00000031176.9,Dynlt3,protein_coding	-0.0115	0.965419
ENSMUSG00000035769.10,Xylb,protein_coding	-0.0116	0.970603
ENSMUSG00000039552.15,Rsph4a,protein_coding	-0.0117	0.979763
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ENSMUSG00000037266.19,Rsrp1,protein_coding	-0.0117	0.949661
ENSMUSG00000071866.13,Ppia,protein_coding	-0.0118	0.960469
ENSMUSG00000020075.9,Ddx21,protein_coding	-0.0118	0.982394
ENSMUSG00000086350.4,B230369F24Rik,lncRNA	-0.0119	0.957971
ENSMUSG00000020432.13,Tcn2,protein_coding	-0.0119	0.97018
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ENSMUSG00000018196.19,Glrx2,protein_coding	-0.012	0.942329
ENSMUSG00000030245.11,Golt1b,protein_coding	-0.012	0.936648
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ENSMUSG00000027466.16,Rbck1,protein_coding	-0.0121	0.953802
ENSMUSG00000038582.16,Pptc7,protein_coding	-0.0121	0.923454
ENSMUSG00000028354.14,Fmn2,protein_coding	-0.0122	0.947739
ENSMUSG00000104262.2,Gm37747,TEC	-0.0122	0.981232
ENSMUSG00000046456.15,Tmem150b,protein_coding	-0.0122	0.9832
ENSMUSG00000021259.6,Cyp46a1,protein_coding	-0.0123	0.974562
ENSMUSG00000066735.9,Vkorc1l1,protein_coding	-0.0123	0.917134
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ENSMUSG00000026965.13,Anapc2,protein_coding	-0.0123	0.953328
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ENSMUSG00000004843.8,Chmp2b,protein_coding	-0.0124	0.960258
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ENSMUSG00000068739.14,Sars1,protein_coding	-0.0126	0.951676
ENSMUSG00000025477.15,Inpp5a,protein_coding	-0.0126	0.970416
ENSMUSG00000026895.8,Ndufa8,protein_coding	-0.0127	0.955081
ENSMUSG00000058558.13,Rpl5,protein_coding	-0.0128	0.972751
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ENSMUSG00000028698.14,Pik3r3,protein_coding	-0.013	0.960994
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ENSMUSG00000003039.10,Fam32a,protein_coding	-0.0132	0.939304
ENSMUSG00000103320.2,Gm37403,TEC	-0.0132	0.98219
ENSMUSG00000004667.19,Polr2e,protein_coding	-0.0132	0.956766
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ENSMUSG00000090112.9,Shprh,protein_coding	-0.0134	0.950624
ENSMUSG00000053134.14,Supt7l,protein_coding	-0.0134	0.936849
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ENSMUSG00000003269.20,Cyth2,protein_coding	-0.0135	0.942793
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ENSMUSG00000026904.18,Slc4a10,protein_coding	-0.0138	0.95362
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ENSMUSG00000060090.17,Rp2,protein_coding	-0.0138	0.961636
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ENSMUSG00000068663.15,Clec16a,protein_coding	-0.0139	0.928111
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ENSMUSG00000030528.13,Blm,protein_coding	-0.0168	0.971173
ENSMUSG00000004631.16,Sgce,protein_coding	-0.0168	0.926345
ENSMUSG00000105985.2,Gm42993,TEC	-0.0168	0.965426
ENSMUSG00000034032.16,Rpap1,protein_coding	-0.0169	0.93381
ENSMUSG00000024169.17,Ift140,protein_coding	-0.017	0.912909
ENSMUSG00000018900.8,Slc22a5,protein_coding	-0.017	0.939075
ENSMUSG00000026211.19,Obsl1,protein_coding	-0.017	0.954093
ENSMUSG00000038481.14,Cdk19,protein_coding	-0.017	0.933511
ENSMUSG00000062070.13,Pgk1,protein_coding	-0.017	0.943008
ENSMUSG00000021003.11,Galc,protein_coding	-0.0171	0.928788
ENSMUSG00000020346.17,Mgat1,protein_coding	-0.0171	0.94485

ENSMUSG00000046952.10,Gm5815,processed_pseudogene	-0.0171	0.973174
ENSMUSG00000030685.6,Kctd13,protein_coding	-0.0172	0.955786
ENSMUSG00000017418.15,Arl5b,protein_coding	-0.0172	0.935681
ENSMUSG00000072704.7,Smim10l1,protein_coding	-0.0172	0.944359
ENSMUSG00000047037.6,Nipa1,protein_coding	-0.0172	0.943317
ENSMUSG00000023118.16,Sympk,protein_coding	-0.0172	0.910915
ENSMUSG00000032261.17,Sh3bgrl2,protein_coding	-0.0173	0.948754
ENSMUSG00000052504.8,Epha3,protein_coding	-0.0173	0.954967
ENSMUSG00000027439.10,Gzf1,protein_coding	-0.0173	0.905261
ENSMUSG00000033845.14,Mrpl15,protein_coding	-0.0174	0.919736
ENSMUSG00000110558.2,Gm45779,TEC	-0.0174	0.948763
ENSMUSG00000106320.2,Gm42992,TEC	-0.0174	0.964477
ENSMUSG00000113687.2,Gm49703,TEC	-0.0174	0.954288
ENSMUSG00000104292.2,Gm38042,TEC	-0.0175	0.96909
ENSMUSG00000033111.17,Cep15,protein_coding	-0.0175	0.933452
ENSMUSG00000044365.17,Cxxc4,protein_coding	-0.0175	0.919784
ENSMUSG00000002486.16,Tchp,protein_coding	-0.0175	0.930131
ENSMUSG00000020315.19,Sptbn1,protein_coding	-0.0175	0.930373
ENSMUSG00000022012.10,Enox1,protein_coding	-0.0175	0.94958
ENSMUSG00000060739.9,Nsa2,protein_coding	-0.0175	0.951957
ENSMUSG00000028049.16,Scamp3,protein_coding	-0.0176	0.93813
ENSMUSG00000138648.1,ENSMUSG00000138648,lncRNA	-0.0176	0.96106
ENSMUSG00000020331.11,Hcn2,protein_coding	-0.0176	0.936158
ENSMUSG00000001891.17,Ugp2,protein_coding	-0.0176	0.931299
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ENSMUSG00000032463.11,Faim,protein_coding	-0.0177	0.910322
ENSMUSG00000041609.17,Bicdl1,protein_coding	-0.0177	0.940212
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ENSMUSG00000050373.14,Snx21,protein_coding	-0.0178	0.932254
ENSMUSG00000014668.16,Chfr,protein_coding	-0.0178	0.91711
ENSMUSG00000104388.2,Gm37033,TEC	-0.0178	0.970859
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ENSMUSG00000036459.16,Wtip,protein_coding	-0.0178	0.965734
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ENSMUSG00000027805.17,Pfn2,protein_coding	-0.0179	0.944906
ENSMUSG00000044667.13,Plppr4,protein_coding	-0.0179	0.957274
ENSMUSG00000031767.14,Nudt7,protein_coding	-0.0179	0.962731
ENSMUSG00000042425.19,Frmpd3,protein_coding	-0.0179	0.962291
ENSMUSG00000108640.2,Gm44508,TEC	-0.018	0.964887
ENSMUSG00000021712.16,Trim23,protein_coding	-0.018	0.951327
ENSMUSG00000029710.16,Ephb4,protein_coding	-0.018	0.941282
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ENSMUSG00000097195.13,Snhg5,lncRNA	-0.0181	0.967395
ENSMUSG00000029636.12,Wasf3,protein_coding	-0.0181	0.919538
ENSMUSG00000033061.16,Resp18,protein_coding	-0.0181	0.976468
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ENSMUSG00000092417.4,Gpank1,protein_coding	-0.0182	0.962318

ENSMUSG00000030701.18,Plekhb1,protein_coding	-0.0182	0.92931
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ENSMUSG00000120826.2,Gm57409,lncRNA	-0.0183	0.936634
ENSMUSG00000000339.15,Rtca,protein_coding	-0.0183	0.9291
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ENSMUSG00000028291.8,Akirin2,protein_coding	-0.0186	0.926965
ENSMUSG00000029504.6,Ddx51,protein_coding	-0.0186	0.916956
ENSMUSG00000094708.2,Gm10359,processed_pseudogene	-0.0186	0.979033
ENSMUSG00000059897.6,Zfp930,protein_coding	-0.0186	0.95568
ENSMUSG00000040888.12,Gfer,protein_coding	-0.0187	0.946514
ENSMUSG00000038576.16,Susd4,protein_coding	-0.0187	0.951498
ENSMUSG00000033882.16,Rbm46,protein_coding	-0.0187	0.976167
ENSMUSG00000019731.14,Slc35e1,protein_coding	-0.0187	0.916778
ENSMUSG00000000881.13,Dlg3,protein_coding	-0.0187	0.946056
ENSMUSG00000015126.11,Tsr3,protein_coding	-0.0188	0.93006
ENSMUSG00000054321.8,Taf4b,protein_coding	-0.0189	0.965059
ENSMUSG00000032097.11,Ddx6,protein_coding	-0.0189	0.89621
ENSMUSG00000036446.6,Lum,protein_coding	-0.0189	0.971636
ENSMUSG00000034993.8,Vat1,protein_coding	-0.0189	0.966528
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ENSMUSG00000031683.17,Lsm6,protein_coding	-0.019	0.920466
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ENSMUSG00000020900.16,Myh10,protein_coding	-0.019	0.929296
ENSMUSG00000039879.10,Heca,protein_coding	-0.019	0.921525
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ENSMUSG00000105368.2,Gm43759,TEC	-0.0191	0.9457
ENSMUSG00000032839.14,Trpc1,protein_coding	-0.0191	0.927969
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ENSMUSG00000028894.19,Inpp5b,protein_coding	-0.0192	0.906386
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ENSMUSG00000083307.2,AA414768,processed_pseudogene	-0.0192	0.963721
ENSMUSG00000059013.13,Sh2d3c,protein_coding	-0.0193	0.94962
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ENSMUSG00000036333.12,Kidins220,protein_coding	-0.0194	0.901546
ENSMUSG00000052456.10,Get3,protein_coding	-0.0195	0.937662

ENSMUSG00000035615.13,Frmpd1,protein_coding	-0.0195	0.928543
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ENSMUSG00000042589.19,Cux2,protein_coding	-0.0196	0.921794
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ENSMUSG00000010277.8,Bltp2,protein_coding	-0.0199	0.881368
ENSMUSG00000051306.8,Usp42,protein_coding	-0.0199	0.884532
ENSMUSG00000098112.9,Bin2,protein_coding	-0.0199	0.980155
ENSMUSG00000029769.18,Ccdc136,protein_coding	-0.02	0.939048
ENSMUSG00000118140.2,Gm4949,processed_pseudogene	-0.02	0.996251
ENSMUSG00000034709.9,Ppp1r21,protein_coding	-0.02	0.899231
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ENSMUSG00000113853.2,Gm47583,TEC	-0.0219	0.946546
ENSMUSG00000030471.18,Zdhhc13,protein_coding	-0.0219	0.920077
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ENSMUSG00000019975.13,Ikbip,protein_coding	-0.0224	0.914681
ENSMUSG00000070509.16,Rgma,protein_coding	-0.0224	0.933434
ENSMUSG00000025212.18,Sfxn3,protein_coding	-0.0224	0.928954
ENSMUSG00000044681.20,Cnpy1,protein_coding	-0.0224	0.981202
ENSMUSG00000025907.15,Rb1cc1,protein_coding	-0.0224	0.911059
ENSMUSG00000117896.3,AA387883,lncRNA	-0.0225	0.967296
ENSMUSG00000032384.17,Csnk1g1,protein_coding	-0.0225	0.905887
ENSMUSG00000035948.14,Acss3,protein_coding	-0.0225	0.962634
ENSMUSG00000039770.7,Ypel5,protein_coding	-0.0225	0.902148
ENSMUSG00000006412.11,Pfdn2,protein_coding	-0.0225	0.932814
ENSMUSG00000044258.11,Ctla2a,protein_coding	-0.0226	0.963477
ENSMUSG00000007411.17,Mark3,protein_coding	-0.0226	0.887953
ENSMUSG00000032479.16,Map4,protein_coding	-0.0226	0.875665
ENSMUSG00000024454.17,Hdac3,protein_coding	-0.0226	0.884668

ENSMUSG00000014606.15,Slc25a11,protein_coding	-0.0226	0.935288
ENSMUSG00000026037.15,Orc2,protein_coding	-0.0226	0.967227
ENSMUSG00000036023.7,Parp2,protein_coding	-0.0226	0.923142
ENSMUSG00000045034.13,Ankrd34b,protein_coding	-0.0226	0.935717
ENSMUSG00000034640.10,Tiparp,protein_coding	-0.0227	0.934219
ENSMUSG00000041378.3,Cldn5,protein_coding	-0.0227	0.919074
ENSMUSG00000037894.14,H2az1,protein_coding	-0.0227	0.951129
ENSMUSG00000027475.10,Kif3b,protein_coding	-0.0227	0.902802
ENSMUSG00000048832.10,Vps37c,protein_coding	-0.0228	0.910739
ENSMUSG00000042590.18,Ipo11,protein_coding	-0.0228	0.889418
ENSMUSG00000124762.1,ENSMUSG00000124762,lncRNA	-0.0228	0.971826
ENSMUSG00000059474.14,Mbtd1,protein_coding	-0.0228	0.929928
ENSMUSG00000033961.17,Zfp446,protein_coding	-0.0229	0.91923
ENSMUSG00000018501.18,Ncor1,protein_coding	-0.023	0.861986
ENSMUSG00000023973.14,Cnpy3,protein_coding	-0.023	0.935465
ENSMUSG00000006014.18,Prg4,protein_coding	-0.023	0.965016
ENSMUSG00000041153.10,Osgin2,protein_coding	-0.023	0.92871
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ENSMUSG00000043929.17,Klhl15,protein_coding	-0.0231	0.924892
ENSMUSG00000064181.7,Rab3ip,protein_coding	-0.0231	0.9052
ENSMUSG00000036371.7,Serbp1,protein_coding	-0.0231	0.905566
ENSMUSG00000041343.20,Ankrd42,protein_coding	-0.0231	0.941352
ENSMUSG00000028284.14,Map3k7,protein_coding	-0.0231	0.87352
ENSMUSG00000026924.18,Sec16a,protein_coding	-0.0231	0.852047
ENSMUSG00000117332.2,Gm49942,TEC	-0.0232	0.940214
ENSMUSG00000106383.2,E330034L11Rik,TEC	-0.0232	0.929817
ENSMUSG00000028152.11,Tspan5,protein_coding	-0.0232	0.915666
ENSMUSG00000017686.18,Rhot1,protein_coding	-0.0232	0.877988
ENSMUSG00000097493.4,9930014A18Rik,lncRNA	-0.0233	0.962031
ENSMUSG00000020649.12,Rrm2,protein_coding	-0.0233	0.986458
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ENSMUSG00000103885.2,Gm37006,TEC	-0.0234	0.969255
ENSMUSG00000040464.16,Gtpbp10,protein_coding	-0.0234	0.927443
ENSMUSG00000040112.10,Mrps35,protein_coding	-0.0234	0.88006
ENSMUSG00000050530.15,Fam171a1,protein_coding	-0.0235	0.92707
ENSMUSG00000030590.16,Fam98c,protein_coding	-0.0235	0.923472
ENSMUSG00000040138.8,Ndp,protein_coding	-0.0235	0.938661
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ENSMUSG00000037606.19,Osbpl5,protein_coding	-0.0236	0.929967
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ENSMUSG00000003452.16,Bicd1,protein_coding	-0.0237	0.917812
ENSMUSG00000040009.7,Gnaz,protein_coding	-0.0237	0.904327
ENSMUSG00000020492.12,Ska2,protein_coding	-0.0237	0.927708
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ENSMUSG00000024875.6,Yif1a,protein_coding	-0.0238	0.931659
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ENSMUSG00000040274.12,Cdk6,protein_coding	-0.0238	0.983672
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ENSMUSG00000026240.13,Cops7b,protein_coding	-0.0239	0.903896
ENSMUSG00000028127.11,Abcd3,protein_coding	-0.0239	0.882521
ENSMUSG00000046991.13,Wdr27,protein_coding	-0.0239	0.945481
ENSMUSG00000073096.12,Lrrc61,protein_coding	-0.024	0.904831
ENSMUSG00000034023.17,Fancd2,protein_coding	-0.024	0.973454
ENSMUSG00000020776.19,Fbf1,protein_coding	-0.024	0.914886
ENSMUSG00000034880.8,Mrpl34,protein_coding	-0.024	0.940584
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ENSMUSG00000023967.10,Mrps18a,protein_coding	-0.0241	0.917246
ENSMUSG00000037344.15,Slc12a9,protein_coding	-0.0241	0.902344
ENSMUSG00000029207.18,Apbb2,protein_coding	-0.0241	0.853858
ENSMUSG00000040446.5,Rprd1a,protein_coding	-0.0241	0.886288
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ENSMUSG00000012114.18,Med15,protein_coding	-0.0242	0.876789
ENSMUSG00000116571.2,Gm49741,lncRNA	-0.0242	0.975426
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ENSMUSG00000040761.17,Spen,protein_coding	-0.0242	0.864833
ENSMUSG00000030231.12,Plekha5,protein_coding	-0.0244	0.918962
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ENSMUSG00000022362.14,Gm29394,protein_coding	-0.0244	0.968695
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ENSMUSG00000031311.18,Nono,protein_coding	-0.0245	0.907891
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ENSMUSG00000030826.20,Bcat2,protein_coding	-0.0246	0.920937
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ENSMUSG00000049882.11,Vcpkmt,protein_coding	-0.0247	0.906812
ENSMUSG00000046562.6,Unc119b,protein_coding	-0.0247	0.905159
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ENSMUSG00000026585.14,Kifap3,protein_coding	-0.0247	0.915375
ENSMUSG00000087577.3,Gm13299,lncRNA	-0.0247	0.944428
ENSMUSG00000027001.11,Dusp19,protein_coding	-0.0248	0.91006
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ENSMUSG00000031137.18,Fgf13,protein_coding	-0.0249	0.933765
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ENSMUSG00000025607.16,Copg2,protein_coding	-0.0249	0.886717
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ENSMUSG00000014959.13,Gorasp2,protein_coding	-0.025	0.879211
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ENSMUSG00000026812.17,Tsc1,protein_coding	-0.0256	0.863806
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ENSMUSG00000004892.14,Bcan,protein_coding	-0.0285	0.910573
ENSMUSG00000053754.15,Chd8,protein_coding	-0.0286	0.793457
ENSMUSG00000043411.16,Usp48,protein_coding	-0.0286	0.847179
ENSMUSG00000024587.11,Nars1,protein_coding	-0.0286	0.887632
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ENSMUSG00000027122.16,Arl14ep,protein_coding	-0.0286	0.899477
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ENSMUSG00000026356.16,Dars1,protein_coding	-0.0287	0.91105
ENSMUSG00000063810.8,Alms1,protein_coding	-0.0288	0.939634
ENSMUSG00002075260.1,Gm54658,misc_RNA	-0.0288	0.945913

ENSMUSG00000016200.15,Syt14,protein_coding	-0.0289	0.918651
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ENSMUSG00000109157.2,Gm44829,TEC	-0.029	0.961231
ENSMUSG00000028465.17,Tln1,protein_coding	-0.029	0.938372
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ENSMUSG00000033706.14,Smyd5,protein_coding	-0.0291	0.901579
ENSMUSG00000021242.10,Npc2,protein_coding	-0.0291	0.930788
ENSMUSG00000110618.3,Gm39822,lncRNA	-0.0291	0.958948
ENSMUSG00000079677.3,Fdx2,protein_coding	-0.0291	0.926184
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ENSMUSG00000038299.17,Wdr36,protein_coding	-0.0294	0.895116
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ENSMUSG00000121838.1,ENSMUSG00000121838,lncRNA	-0.0299	0.961681
ENSMUSG00000097827.3,5330439K02Rik,lncRNA	-0.03	0.931502
ENSMUSG00000061461.12,Smim20,protein_coding	-0.03	0.859297
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ENSMUSG00000048490.15,Nrip1,protein_coding	-0.0303	0.849423
ENSMUSG00000020954.17,Strn3,protein_coding	-0.0303	0.862595
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ENSMUSG00000045639.15,Zfp629,protein_coding	-0.0305	0.863241
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ENSMUSG00000030870.13,Ubfd1,protein_coding	-0.0307	0.843569
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ENSMUSG00000018427.9,Ypel2,protein_coding	-0.0341	0.89558
ENSMUSG00000026748.14,Plxdc2,protein_coding	-0.0341	0.820057
ENSMUSG00000068855.4,H2ac20,protein_coding	-0.0342	0.968519
ENSMUSG00000041134.16,Cyyr1,protein_coding	-0.0342	0.877734
ENSMUSG00000049728.15,Zfp668,protein_coding	-0.0342	0.840789
ENSMUSG00000032480.18,Dhx30,protein_coding	-0.0342	0.806385
ENSMUSG00000104891.2,2510017J16Rik,lncRNA	-0.0342	0.943604
ENSMUSG00002074933.1,Gm55532,miRNA	-0.0342	0.958143
ENSMUSG00000030275.7,Etnk1,protein_coding	-0.0342	0.835518
ENSMUSG00000086851.3,A430108G06Rik,lncRNA	-0.0342	0.959428
ENSMUSG00000031229.17,Atrx,protein_coding	-0.0342	0.869477
ENSMUSG00000093989.2,Rnasek,protein_coding	-0.0343	0.897723
ENSMUSG00000025235.9,Bbs4,protein_coding	-0.0344	0.850393
ENSMUSG00000035597.20,Prpf39,protein_coding	-0.0344	0.915067
ENSMUSG00000024299.18,Adamts10,protein_coding	-0.0344	0.9047
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ENSMUSG00000026442.15,Nfasc,protein_coding	-0.0344	0.858448

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ENSMUSG00000052854.16,Nrk,protein_coding	-0.0344	0.969267
ENSMUSG00000032458.7,Copb2,protein_coding	-0.0345	0.84519
ENSMUSG00000104936.2,2610011E03Rik,TEC	-0.0345	0.921791
ENSMUSG00000105199.2,Gm43581,lncRNA	-0.0345	0.924136
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ENSMUSG00000030207.16,Fam234b,protein_coding	-0.0346	0.877841
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ENSMUSG00000073371.5,Gm6594,processed_pseudogene	-0.035	0.953293
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ENSMUSG00000023912.11,Slc25a27,protein_coding	-0.0351	0.844951
ENSMUSG00000028351.6,Brinp1,protein_coding	-0.0351	0.891053
ENSMUSG00000029004.16,Kmt2e,protein_coding	-0.0352	0.824522
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ENSMUSG00000008958.15,Vps72,protein_coding	-0.0352	0.859431
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ENSMUSG00000102748.2,Pcdhgb2,protein_coding	-0.0402	0.894148
ENSMUSG00000026576.13,Atp1b1,protein_coding	-0.0402	0.847452
ENSMUSG00000028603.16,Scp2,protein_coding	-0.0403	0.811228
ENSMUSG00000046516.12,Cox17,protein_coding	-0.0403	0.84357
ENSMUSG00000031601.17,Cnot7,protein_coding	-0.0403	0.845402
ENSMUSG00000019795.18,Pcmt1,protein_coding	-0.0404	0.820816
ENSMUSG00000032280.18,Tle3,protein_coding	-0.0404	0.870557
ENSMUSG00000045731.7,Pnoc,protein_coding	-0.0404	0.923448
ENSMUSG00000024976.15,Shoc2,protein_coding	-0.0404	0.756608
ENSMUSG00000047514.7,Tspyl1,protein_coding	-0.0405	0.81409
ENSMUSG00000109359.2,Gm44797,TEC	-0.0405	0.89268
ENSMUSG00000006494.12,Pdk1,protein_coding	-0.0405	0.824955
ENSMUSG00000038909.18,Kat7,protein_coding	-0.0405	0.79445
ENSMUSG00000038695.14,Josd2,protein_coding	-0.0406	0.883285
ENSMUSG00000082503.2,Gm12229,processed_pseudogene	-0.0406	0.926982
ENSMUSG00000027115.15,Kif18a,protein_coding	-0.0406	0.968523
ENSMUSG00000020019.5,Ntn4,protein_coding	-0.0407	0.902257
ENSMUSG00000103891.2,Gm37941,TEC	-0.0407	0.90417
ENSMUSG00000000957.12,Mmp14,protein_coding	-0.0407	0.903126
ENSMUSG00000020973.8,Dnaaf2,protein_coding	-0.0407	0.933314
ENSMUSG00000043987.19,Cep164,protein_coding	-0.0407	0.834024
ENSMUSG00000063015.13,Ccni,protein_coding	-0.0408	0.814951

ENSMUSG00000022114.6,Spry2,protein_coding	-0.0408	0.854023
ENSMUSG00000025173.14,Wdr45b,protein_coding	-0.0408	0.740535
ENSMUSG00000015971.6,Actr8,protein_coding	-0.0408	0.765157
ENSMUSG00000041997.17,Tlk1,protein_coding	-0.0409	0.820779
ENSMUSG00000039176.18,Polg,protein_coding	-0.0409	0.767329
ENSMUSG00000111434.2,Gm47121,lncRNA	-0.041	0.914763
ENSMUSG00000034300.18,Fam53c,protein_coding	-0.041	0.767713
ENSMUSG00000039716.13,Dock3,protein_coding	-0.041	0.864869
ENSMUSG00000124189.1,ENSMUSG00000124189,lncRNA	-0.041	0.928549
ENSMUSG00000101301.2,Gm29214,processed_pseudogene	-0.0411	0.930728
ENSMUSG00000012076.9,Brms1l,protein_coding	-0.0411	0.756966
ENSMUSG00000041408.19,Wapl,protein_coding	-0.0411	0.886759
ENSMUSG00000102206.6,Pcdha11,protein_coding	-0.0411	0.898847
ENSMUSG00000066233.7,Tmem42,protein_coding	-0.0411	0.88554
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ENSMUSG00000029130.13,Rnf32,protein_coding	-0.0412	0.895298
ENSMUSG00000000804.15,Usp32,protein_coding	-0.0412	0.815836
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ENSMUSG00000037876.18,Jmjd1c,protein_coding	-0.0413	0.860749
ENSMUSG00000005506.17,Celf1,protein_coding	-0.0413	0.796051
ENSMUSG00000004637.16,Wwox,protein_coding	-0.0413	0.814095
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ENSMUSG00000064542.3,Gm22980,snoRNA	-0.0414	0.959886
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ENSMUSG00000022560.10,Slc52a2,protein_coding	-0.0415	0.856098
ENSMUSG00000085982.3,9530051G07Rik,lncRNA	-0.0415	0.891994
ENSMUSG00000089810.2,Gm16536,lncRNA	-0.0415	0.807861
ENSMUSG00000021047.8,Nova1,protein_coding	-0.0415	0.792809
ENSMUSG00000023883.14,Phf10,protein_coding	-0.0416	0.890975
ENSMUSG00000030283.8,St8sia1,protein_coding	-0.0416	0.813988
ENSMUSG00000024083.17,Pja2,protein_coding	-0.0416	0.860366
ENSMUSG00000002107.20,Celf2,protein_coding	-0.0416	0.877809
ENSMUSG00000019710.14,Mrpl24,protein_coding	-0.0416	0.834411
ENSMUSG00000034111.7,Tmed8,protein_coding	-0.0417	0.768047
ENSMUSG00000029655.18,N4bp2l2,protein_coding	-0.0417	0.855246
ENSMUSG00000032393.16,Dpp8,protein_coding	-0.0417	0.758516
ENSMUSG00000034613.13,Ppm1h,protein_coding	-0.0417	0.825722
ENSMUSG00000085917.2,Gm15899,processed_pseudogene	-0.0418	0.965523
ENSMUSG00000079499.11,6530402F18Rik,lncRNA	-0.0418	0.894124
ENSMUSG00000085776.11,5430402O13Rik,lncRNA	-0.0418	0.888857
ENSMUSG00000096847.3,Tmem151b,protein_coding	-0.0419	0.845126
ENSMUSG00000066036.15,Ubr4,protein_coding	-0.0419	0.790518
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ENSMUSG00000021018.9,Polr2h,protein_coding	-0.0419	0.888119
ENSMUSG00000028436.9,Dcaf12,protein_coding	-0.0419	0.854081
ENSMUSG00000083098.2,Gm14578,processed_pseudogene	-0.0419	0.957754
ENSMUSG00000032741.10,Tpcn1,protein_coding	-0.042	0.833029
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ENSMUSG00000036550.17,Cnot1,protein_coding	-0.042	0.827734
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ENSMUSG00000090100.8,Ttbk2,protein_coding	-0.042	0.785893
ENSMUSG00000028901.14,Gmeb1,protein_coding	-0.0421	0.802737
ENSMUSG00000090093.10,Gm14399,protein_coding	-0.0421	0.874613
ENSMUSG00000071042.13,Rasgrp3,protein_coding	-0.0421	0.958759
ENSMUSG00000034724.19,Cnot6l,protein_coding	-0.0421	0.855686
ENSMUSG00000027104.19,Atf2,protein_coding	-0.0421	0.814504
ENSMUSG00000106061.2,Gm43773,lncRNA	-0.0422	0.897727
ENSMUSG00000052572.20,Dlg2,protein_coding	-0.0422	0.873397
ENSMUSG00000106855.2,5330437M03Rik,TEC	-0.0422	0.934742
ENSMUSG00000039873.5,Neurl2,protein_coding	-0.0422	0.965068
ENSMUSG00000097140.2,Gm26779,lncRNA	-0.0422	0.938134
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ENSMUSG00000064210.8,Ano6,protein_coding	-0.0425	0.790629
ENSMUSG00000026158.12,Ogfrl1,protein_coding	-0.0425	0.845508
ENSMUSG00000020151.17,Ptprr,protein_coding	-0.0425	0.897117
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ENSMUSG00000015165.17,Hnrnpl,protein_coding	-0.0426	0.71818
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ENSMUSG00000085133.3,B930095G15Rik,lncRNA	-0.0427	0.82409
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ENSMUSG00000020368.16,Canx,protein_coding	-0.0435	0.804343
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ENSMUSG00000028334.11,Nans,protein_coding	-0.044	0.89637
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ENSMUSG00000078157.2,Fem1al,protein_coding	-0.0467	0.904902
ENSMUSG00000017843.15,Ppp2r5c,protein_coding	-0.0467	0.774636
ENSMUSG00000027742.14,Cog6,protein_coding	-0.0467	0.78557
ENSMUSG00000030714.15,Sgf29,protein_coding	-0.0468	0.872594
ENSMUSG00000041852.16,Tcf20,protein_coding	-0.0468	0.757621
ENSMUSG00000025911.15,Adhfe1,protein_coding	-0.0468	0.803523
ENSMUSG00000035354.10,Uvrag,protein_coding	-0.0468	0.822005
ENSMUSG00000033705.18,Stard9,protein_coding	-0.0468	0.830126
ENSMUSG00000045036.16,Tmem232,protein_coding	-0.0469	0.948375
ENSMUSG00000024096.18,Ralbp1,protein_coding	-0.0469	0.724446
ENSMUSG00000042082.8,Arsb,protein_coding	-0.0469	0.838593
ENSMUSG00000047844.4,Bex4,protein_coding	-0.0469	0.891601
ENSMUSG00000027782.11,Kpna4,protein_coding	-0.0469	0.815897
ENSMUSG00000040729.9,Cep126,protein_coding	-0.047	0.850132
ENSMUSG00000096995.5,2810029C07Rik,lncRNA	-0.047	0.898292
ENSMUSG00000063849.7,Ppcdc,protein_coding	-0.047	0.897546
ENSMUSG00000090386.13,Mir99ahg,lncRNA	-0.047	0.886379
ENSMUSG00000105974.2,Gm43318,TEC	-0.0471	0.916595
ENSMUSG00000105867.3,Tmem217rt,protein_coding	-0.0471	0.901819
ENSMUSG00000056167.9,Cnot10,protein_coding	-0.0471	0.768541
ENSMUSG00000021218.11,Gdi2,protein_coding	-0.0471	0.850838
ENSMUSG00000074211.5,Sdhaf1,protein_coding	-0.0471	0.87989
ENSMUSG00000124731.1,ENSMUSG00000124731,lncRNA	-0.0472	0.952638
ENSMUSG00000051413.18,Plagl2,protein_coding	-0.0472	0.902884
ENSMUSG00000092260.8,Zfp963,protein_coding	-0.0473	0.81994

ENSMUSG00000021432.16,Slc35b3,protein_coding	-0.0473	0.831014
ENSMUSG00000027665.14,Pik3ca,protein_coding	-0.0473	0.770122
ENSMUSG00000022772.13,Senp5,protein_coding	-0.0474	0.68936
ENSMUSG00000050288.7,Fzd2,protein_coding	-0.0474	0.886597
ENSMUSG00000053907.11,Mat2a,protein_coding	-0.0474	0.764778
ENSMUSG00000034210.15,Efcab14,protein_coding	-0.0474	0.75462
ENSMUSG00000024594.10,Prrc1,protein_coding	-0.0474	0.778095
ENSMUSG00000026761.13,Orc4,protein_coding	-0.0474	0.874169
ENSMUSG00000027858.14,Tspan2,protein_coding	-0.0475	0.806047
ENSMUSG00000005981.12,Trap1,protein_coding	-0.0475	0.821614
ENSMUSG00000028114.17,Mettl14,protein_coding	-0.0476	0.790824
ENSMUSG00000060803.7,Gstp1,protein_coding	-0.0476	0.867487
ENSMUSG00000058594.16,Fbh1,protein_coding	-0.0476	0.745283
ENSMUSG00000020262.16,Adarb1,protein_coding	-0.0476	0.829937
ENSMUSG00000040354.15,Mars1,protein_coding	-0.0477	0.828866
ENSMUSG00000078812.11,Eif5a,protein_coding	-0.0477	0.86569
ENSMUSG00000082823.4,Gm15828,processed_pseudogene	-0.0478	0.900854
ENSMUSG00000038510.13,Rpf2,protein_coding	-0.0478	0.88215
ENSMUSG00000109498.2,Gm45222,TEC	-0.0478	0.895453
ENSMUSG00000031451.7,Gas6,protein_coding	-0.0478	0.833675
ENSMUSG00000041926.16,Rnpep,protein_coding	-0.0478	0.792178
ENSMUSG00000029918.10,Mrps33,protein_coding	-0.0478	0.862949
ENSMUSG00000022789.16,Dnm1l,protein_coding	-0.0479	0.790814
ENSMUSG00000052419.8,Smim30,protein_coding	-0.0479	0.812017
ENSMUSG00000032528.6,Vipr1,protein_coding	-0.048	0.908348
ENSMUSG00000090077.10,Lime1,protein_coding	-0.048	0.910572
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ENSMUSG00000001687.16,Ubl3,protein_coding	-0.048	0.750155
ENSMUSG00000026425.16,Srgap2,protein_coding	-0.0481	0.838652
ENSMUSG00000074656.14,Eif2s2,protein_coding	-0.0481	0.868901
ENSMUSG00000000346.10,Dazap2,protein_coding	-0.0481	0.734582
ENSMUSG00000098318.10,Lockd,lncRNA	-0.0481	0.976482
ENSMUSG00000039953.14,Clstn1,protein_coding	-0.0481	0.862468
ENSMUSG00000041846.16,Ppp4r3a,protein_coding	-0.0481	0.863126
ENSMUSG00000027164.9,Traf6,protein_coding	-0.0481	0.845033
ENSMUSG00000038296.15,Galnt18,protein_coding	-0.0482	0.877306
ENSMUSG00000020156.17,Pwwp3a,protein_coding	-0.0482	0.816321
ENSMUSG00000024491.17,Rbm27,protein_coding	-0.0482	0.7739
ENSMUSG00000051062.7,Fbll1,protein_coding	-0.0482	0.913997
ENSMUSG00000037254.19,Itih2,protein_coding	-0.0482	0.939248
ENSMUSG00000121202.2,Gm57000,lncRNA	-0.0482	0.885401
ENSMUSG00000031681.17,Smad1,protein_coding	-0.0482	0.75539
ENSMUSG00000024664.6,Fads3,protein_coding	-0.0483	0.850699
ENSMUSG00000034610.15,Tut4,protein_coding	-0.0483	0.899004
ENSMUSG00000021044.16,Adck1,protein_coding	-0.0483	0.804301
ENSMUSG00000025757.14,Hspa4l,protein_coding	-0.0483	0.777085
ENSMUSG00000004040.17,Stat3,protein_coding	-0.0484	0.887342
ENSMUSG00000036863.13,Syde2,protein_coding	-0.0485	0.883689
ENSMUSG00000068015.9,Lrch1,protein_coding	-0.0485	0.837121
ENSMUSG00000102386.2,2900022M07Rik,TEC	-0.0485	0.924341
ENSMUSG00000115373.2,Gm49194,lncRNA	-0.0485	0.915397
ENSMUSG00000001768.17,Rin2,protein_coding	-0.0485	0.75237

ENSMUSG00000021493.16,Pdlim7,protein_coding	-0.0485	0.870418
ENSMUSG00000022244.8,Amacr,protein_coding	-0.0486	0.897154
ENSMUSG00000075478.4,Slitrk1,protein_coding	-0.0486	0.828377
ENSMUSG00000035890.10,Rnf126,protein_coding	-0.0487	0.834778
ENSMUSG00000090523.3,Gypc,protein_coding	-0.0487	0.941754
ENSMUSG00000128148.1,ENSMUSG00000128148,lncRNA	-0.0488	0.92747
ENSMUSG00000045867.11,Cradd,protein_coding	-0.0488	0.877626
ENSMUSG00000062444.16,Ap3b2,protein_coding	-0.0488	0.837054
ENSMUSG00000102277.3,A130050O07Rik,TEC	-0.0488	0.923486
ENSMUSG00000044676.11,Zfp612,protein_coding	-0.0489	0.732658
ENSMUSG00000033102.16,Cdc14b,protein_coding	-0.0489	0.884154
ENSMUSG00000044348.16,Slc25a53,protein_coding	-0.0489	0.785216
ENSMUSG00000105981.2,2810428J06Rik,TEC	-0.0489	0.890892
ENSMUSG00000027881.15,Prpf38b,protein_coding	-0.049	0.895842
ENSMUSG00000031723.9,Txnl4b,protein_coding	-0.049	0.86663
ENSMUSG00000027531.17,Impa1,protein_coding	-0.049	0.780865
ENSMUSG00000000827.19,Tpd52l2,protein_coding	-0.049	0.726762
ENSMUSG00000091712.3,Sec14l5,protein_coding	-0.049	0.86457
ENSMUSG00000053483.16,Usp21,protein_coding	-0.0491	0.721555
ENSMUSG00000037816.11,Fbxw17,protein_coding	-0.0491	0.857705
ENSMUSG00000045598.11,Zfp553,protein_coding	-0.0491	0.751263
ENSMUSG00000109997.2,9430099M06Rik,TEC	-0.0492	0.937503
ENSMUSG00000030180.16,Kdm5a,protein_coding	-0.0492	0.804841
ENSMUSG00000043162.8,Pyurf,protein_coding	-0.0492	0.772951
ENSMUSG00000031333.8,Abcb7,protein_coding	-0.0492	0.863536
ENSMUSG00000117621.2,Hspe1-rs1,protein_coding	-0.0493	0.953554
ENSMUSG00000027429.17,Sec23b,protein_coding	-0.0493	0.742241
ENSMUSG00000024136.15,Dnase1l2,protein_coding	-0.0493	0.957502
ENSMUSG00000101111.2,Gm28437,unprocessed_pseudogene	-0.0493	0.921077
ENSMUSG00000044876.16,Zfp444,protein_coding	-0.0494	0.798026
ENSMUSG00000032890.18,Rims3,protein_coding	-0.0494	0.845499
ENSMUSG00000034201.14,Gas2l1,protein_coding	-0.0494	0.861769
ENSMUSG00000045532.6,C1ql1,protein_coding	-0.0494	0.941329
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ENSMUSG00000050332.8,Amer1,protein_coding	-0.0495	0.820806
ENSMUSG00000022000.12,Zc3h13,protein_coding	-0.0495	0.733091
ENSMUSG00000032126.17,Hmbs,protein_coding	-0.0496	0.849113
ENSMUSG00000102808.2,5430420F09Rik,TEC	-0.0496	0.920058
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ENSMUSG00000078515.6,Ddi2,protein_coding	-0.0497	0.646923
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ENSMUSG00000030888.15,Rrp8,protein_coding	-0.0498	0.860053
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ENSMUSG00000028559.18,Osbpl9,protein_coding	-0.0499	0.789964
ENSMUSG00000040661.7,Rad54l2,protein_coding	-0.05	0.693618
ENSMUSG00000103976.2,Gm37677,TEC	-0.05	0.885613
ENSMUSG00000022911.12,Arl13b,protein_coding	-0.05	0.793205
ENSMUSG00000035759.5,Bbs10,protein_coding	-0.05	0.852116
ENSMUSG00000070493.4,Chchd2,protein_coding	-0.0501	0.842405
ENSMUSG00000039242.11,B3galnt2,protein_coding	-0.0501	0.786141
ENSMUSG00000027601.14,Mtfr1,protein_coding	-0.0502	0.89891

ENSMUSG00000023068.17,Nus1,protein_coding	-0.0502	0.798063
ENSMUSG00000090000.3,Ier3ip1,protein_coding	-0.0502	0.819664
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ENSMUSG00000062006.13,Rpl34,protein_coding	-0.0504	0.93343
ENSMUSG00000021645.17,Smn1,protein_coding	-0.0504	0.841657
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ENSMUSG00000111389.3,Gm39465,lncRNA	-0.0505	0.952265
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ENSMUSG00000030894.6,Tpp1,protein_coding	-0.0511	0.670046
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ENSMUSG00000030846.17,Tial1,protein_coding	-0.0514	0.735048
ENSMUSG00000023919.10,Cenpq,protein_coding	-0.0515	0.937156
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ENSMUSG00000041147.11,Brca2,protein_coding	-0.0516	0.898945
ENSMUSG00000014850.16,Msh3,protein_coding	-0.0516	0.827065

ENSMUSG00000029466.12,Anapc7,protein_coding	-0.0516	0.805509
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ENSMUSG00000022967.14,Ifnar1,protein_coding	-0.0517	0.659145
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ENSMUSG00000034525.8,Ice1,protein_coding	-0.0517	0.750494
ENSMUSG00000102814.2,Gm37812,TEC	-0.0517	0.939768
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ENSMUSG00000041308.7,Sntb2,protein_coding	-0.053	0.842369
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ENSMUSG00000028456.19,Unc13b,protein_coding	-0.0531	0.815723
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ENSMUSG00000037336.15,Mfsd2b,protein_coding	-0.0532	0.898356
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ENSMUSG00000053644.14,Aldh7a1,protein_coding	-0.0535	0.774942
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ENSMUSG00000049612.11,Omg,protein_coding	-0.0535	0.800714
ENSMUSG00000068615.5,Gjd2,protein_coding	-0.0535	0.852312
ENSMUSG00000063297.8,Luzp2,protein_coding	-0.0535	0.822305
ENSMUSG00000060639.6,H4c9,protein_coding	-0.0536	0.913856
ENSMUSG00000049583.16,Grm5,protein_coding	-0.0536	0.876942
ENSMUSG00000028292.15,Rars2,protein_coding	-0.0536	0.803566
ENSMUSG00000063760.10,Rnf217,protein_coding	-0.0537	0.817375
ENSMUSG00000121927.1,ENSMUSG00000121927,protein_coding	-0.0537	0.88139
ENSMUSG00000039901.11,Armh3,protein_coding	-0.0537	0.706906
ENSMUSG00000085730.9,Gm13307,lncRNA	-0.0537	0.886323
ENSMUSG00000024213.15,Nudt3,protein_coding	-0.0537	0.800646
ENSMUSG00000066798.4,Zbtb6,protein_coding	-0.0538	0.850978
ENSMUSG00000112169.2,Gm48536,TEC	-0.0538	0.876901
ENSMUSG00000027652.16,Ralgapb,protein_coding	-0.0538	0.669178
ENSMUSG00000024424.16,Ttc39c,protein_coding	-0.0538	0.73604
ENSMUSG00000110320.3,Gm31152,lncRNA	-0.0538	0.922377
ENSMUSG00000026490.19,Cdc42bpa,protein_coding	-0.0538	0.77911
ENSMUSG00000069833.14,Ahnak,protein_coding	-0.0538	0.856132
ENSMUSG00000021501.5,Caml,protein_coding	-0.0538	0.761279
ENSMUSG00000036707.17,Cab39,protein_coding	-0.0538	0.712551
ENSMUSG00000040033.18,Stat2,protein_coding	-0.0538	0.86666
ENSMUSG00000107172.2,4933430H06Rik,TEC	-0.0539	0.88818
ENSMUSG00000027708.15,Dcun1d1,protein_coding	-0.0539	0.763615
ENSMUSG00000026565.19,Pou2f1,protein_coding	-0.0539	0.853498
ENSMUSG00000086181.3,C230034O21Rik,lncRNA	-0.0539	0.909935
ENSMUSG00000043962.17,Thrap3,protein_coding	-0.0539	0.782551

ENSMUSG00000101970.11,Chaserr,lncRNA	-0.054	0.881119
ENSMUSG00000117113.2,Gm49883,TEC	-0.054	0.796441
ENSMUSG00000024472.10,Dcp2,protein_coding	-0.054	0.774424
ENSMUSG00000046791.9,Riox1,protein_coding	-0.054	0.836049
ENSMUSG00000109051.2,Gm44913,TEC	-0.054	0.868029
ENSMUSG00000100755.2,Rps23-ps1,processed_pseudogene	-0.0542	0.904775
ENSMUSG00000027217.14,Tspan18,protein_coding	-0.0543	0.88634
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ENSMUSG00000068823.11,Csde1,protein_coding	-0.0544	0.727158
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ENSMUSG00000056459.15,Zbtb25,protein_coding	-0.0544	0.789542
ENSMUSG00000038042.12,Ptpdc1,protein_coding	-0.0544	0.72586
ENSMUSG00000015461.16,Atf6b,protein_coding	-0.0544	0.822644
ENSMUSG00000027829.16,Ccnl1,protein_coding	-0.0545	0.872853
ENSMUSG00000026288.15,Inpp5d,protein_coding	-0.0546	0.957213
ENSMUSG00000074521.11,Zfp1003,protein_coding	-0.0546	0.875352
ENSMUSG00000050947.10,Amigo1,protein_coding	-0.0547	0.815323
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ENSMUSG00000017428.17,Psmd11,protein_coding	-0.0548	0.695183
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ENSMUSG00000071669.15,Snx29,protein_coding	-0.055	0.756916
ENSMUSG00000042213.19,Zfand4,protein_coding	-0.055	0.833668
ENSMUSG00000027684.17,Mecom,protein_coding	-0.055	0.847864
ENSMUSG00000026238.15,Ptma,protein_coding	-0.055	0.899918
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ENSMUSG00000029177.10,Cenpa,protein_coding	-0.055	0.958329
ENSMUSG00000040018.10,Cox15,protein_coding	-0.0551	0.76491
ENSMUSG00000034617.8,Mtrr,protein_coding	-0.0551	0.823889
ENSMUSG00000032548.15,Slco2a1,protein_coding	-0.0552	0.894097
ENSMUSG00000024505.17,Dtwd2,protein_coding	-0.0552	0.864563
ENSMUSG00000019803.12,Nr2e1,protein_coding	-0.0552	0.883946
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ENSMUSG00000031210.12,Gpr165,protein_coding	-0.0553	0.880553
ENSMUSG00000025269.17,Apex2,protein_coding	-0.0553	0.845931
ENSMUSG00000028718.17,Stil,protein_coding	-0.0554	0.954686
ENSMUSG00000032782.20,Cntrob,protein_coding	-0.0554	0.786638
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ENSMUSG00000027002.14,Nckap1,protein_coding	-0.0556	0.850303
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ENSMUSG00000042063.12,Zfp386,protein_coding	-0.0556	0.799191
ENSMUSG00000025202.9,Scd3,protein_coding	-0.0557	0.885599
ENSMUSG00000032115.15,Hyou1,protein_coding	-0.0557	0.787157

ENSMUSG00000029772.18,Ahcyl2,protein_coding	-0.0557	0.727245
ENSMUSG00000047786.13,Lix1,protein_coding	-0.0557	0.827974
ENSMUSG00000039048.16,Foxred1,protein_coding	-0.0557	0.75454
ENSMUSG00000071324.12,Armc2,protein_coding	-0.0558	0.832669
ENSMUSG00000027951.17,Adar,protein_coding	-0.0559	0.757998
ENSMUSG00000033713.13,Foxn3,protein_coding	-0.0559	0.790311
ENSMUSG00000015290.16,Ubl4a,protein_coding	-0.0559	0.774239
ENSMUSG00000073514.5,Dok6,protein_coding	-0.0559	0.857182
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ENSMUSG00000020964.16,Sel1l,protein_coding	-0.0563	0.689712
ENSMUSG00000041229.16,Phf8,protein_coding	-0.0563	0.655115
ENSMUSG00000000085.17,Scmh1,protein_coding	-0.0563	0.758855
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ENSMUSG00000026142.16,Rhbdd1,protein_coding	-0.0564	0.88499
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ENSMUSG00000022521.11,Crebbp,protein_coding	-0.0571	0.641506
ENSMUSG00000026110.16,Mgat4a,protein_coding	-0.0572	0.648018
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ENSMUSG00000050211.15,Pla2g4e,protein_coding	-0.0573	0.776633

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ENSMUSG00000073775.5,Kti12,protein_coding	-0.0575	0.861723
ENSMUSG00000036564.18,Ndrg4,protein_coding	-0.0575	0.85448
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ENSMUSG00000032504.16,Pdcd6ip,protein_coding	-0.0576	0.613276
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ENSMUSG00000006362.17,Cbfa2t3,protein_coding	-0.0602	0.778094
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ENSMUSG00000064145.13,Arih2,protein_coding	-0.0604	0.636434
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ENSMUSG00000027286.17,Lrrc57,protein_coding	-0.0605	0.79852
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ENSMUSG00000032562.14,Gnai2,protein_coding	-0.0609	0.775708
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ENSMUSG00000021457.15,Syk,protein_coding	-0.0609	0.937935
ENSMUSG00000085156.11,Snhg15,lncRNA	-0.0609	0.936016
ENSMUSG00000046876.17,Atxn1,protein_coding	-0.0609	0.803893
ENSMUSG00000032336.19,Nptn,protein_coding	-0.0609	0.786497
ENSMUSG00000024042.8,Sik1,protein_coding	-0.061	0.806182
ENSMUSG00000063018.9,2010204K13Rik,lncRNA	-0.061	0.87482
ENSMUSG00000127031.1,ENSMUSG00000127031,lncRNA	-0.061	0.789236
ENSMUSG00000047888.11,Tnrc6b,protein_coding	-0.0611	0.610706
ENSMUSG00000042182.17,Bend6,protein_coding	-0.0611	0.765832
ENSMUSG00000020076.8,Ddx50,protein_coding	-0.0611	0.726534
ENSMUSG00000025645.9,Ccdc51,protein_coding	-0.0611	0.859162
ENSMUSG00000032344.18,Cgas,protein_coding	-0.0612	0.904302
ENSMUSG00000070056.7,Mfhas1,protein_coding	-0.0612	0.745443
ENSMUSG00000090129.11,Or10ad1,protein_coding	-0.0613	0.84257
ENSMUSG00000029407.11,Uso1,protein_coding	-0.0613	0.642036
ENSMUSG00000105466.2,Gm42998,TEC	-0.0613	0.89939
ENSMUSG00000029486.15,Mrpl1,protein_coding	-0.0613	0.788369
ENSMUSG00000026771.15,Spopl,protein_coding	-0.0614	0.791911
ENSMUSG00000028437.15,Ubap1,protein_coding	-0.0615	0.673748
ENSMUSG00000046182.9,Gsg1l,protein_coding	-0.0615	0.892047
ENSMUSG00000007338.11,Mrpl49,protein_coding	-0.0615	0.765517
ENSMUSG00000104672.2,Gm43665,TEC	-0.0615	0.899671
ENSMUSG00000037443.14,Cep85,protein_coding	-0.0616	0.737855
ENSMUSG00000051149.16,Adnp,protein_coding	-0.0616	0.779099
ENSMUSG00000026131.22,Dst,protein_coding	-0.0616	0.698061
ENSMUSG00000028608.16,Czib,protein_coding	-0.0617	0.695806
ENSMUSG00000075528.14,Aarsd1,protein_coding	-0.0618	0.799558
ENSMUSG00000035311.17,Gnptab,protein_coding	-0.0618	0.669129
ENSMUSG00000034292.14,Traf3ip1,protein_coding	-0.0618	0.728218
ENSMUSG00000073725.9,Lmbrd1,protein_coding	-0.0618	0.716658
ENSMUSG00000039270.10,Megf9,protein_coding	-0.0618	0.760471

ENSMUSG00000056342.17,Usp34,protein_coding	-0.0618	0.726201
ENSMUSG00000125968.1,ENSMUSG00000125968,lncRNA	-0.0619	0.924843
ENSMUSG00000026439.15,Rbbp5,protein_coding	-0.0619	0.625304
ENSMUSG00000024949.18,Sf1,protein_coding	-0.0619	0.649964
ENSMUSG00000061559.16,Skic8,protein_coding	-0.062	0.751997
ENSMUSG00000105740.2,Gm42685,TEC	-0.062	0.851205
ENSMUSG00000048668.17,Rhno1,protein_coding	-0.062	0.846019
ENSMUSG00000029648.14,Flt1,protein_coding	-0.062	0.713134
ENSMUSG00000106099.2,Gm42664,lncRNA	-0.062	0.885898
ENSMUSG00000032041.16,Tirap,protein_coding	-0.0621	0.871341
ENSMUSG00000032177.19,Pde4a,protein_coding	-0.0621	0.818868
ENSMUSG00000133659.1,ENSMUSG00000133659,lncRNA	-0.0621	0.94361
ENSMUSG00000103403.2,Gm37931,TEC	-0.0622	0.866104
ENSMUSG00000027878.12,Notch2,protein_coding	-0.0623	0.748937
ENSMUSG00000032221.15,Mns1,protein_coding	-0.0623	0.890826
ENSMUSG00000036613.9,Eipr1,protein_coding	-0.0623	0.730175
ENSMUSG00000028252.21,Ccnc,protein_coding	-0.0623	0.79078
ENSMUSG00000018395.20,Kif3a,protein_coding	-0.0623	0.749034
ENSMUSG00000031792.16,Usb1,protein_coding	-0.0623	0.844813
ENSMUSG00000133751.1,ENSMUSG00000133751,lncRNA	-0.0623	0.91973
ENSMUSG00000035478.15,Mbd3,protein_coding	-0.0624	0.781443
ENSMUSG00000050312.13,Nsun3,protein_coding	-0.0624	0.775645
ENSMUSG00000043833.9,2900005J15Rik,lncRNA	-0.0624	0.879053
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ENSMUSG00000110317.2,Gm45250,lncRNA	-0.0625	0.785108
ENSMUSG00000020697.18,Lig3,protein_coding	-0.0625	0.731222
ENSMUSG00000047766.16,Lrrc49,protein_coding	-0.0625	0.698988
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ENSMUSG00000030515.10,Tars3,protein_coding	-0.0625	0.761199
ENSMUSG00000034211.15,Mrps17,protein_coding	-0.0625	0.700555
ENSMUSG00000021067.9,Sav1,protein_coding	-0.0626	0.836575
ENSMUSG00000075415.14,Fnbp1,protein_coding	-0.0626	0.764206
ENSMUSG00000014402.16,Tsg101,protein_coding	-0.0626	0.667343
ENSMUSG00000062202.15,Btbd9,protein_coding	-0.0626	0.708757
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ENSMUSG00000031578.6,Mak16,protein_coding	-0.0627	0.777935
ENSMUSG00000073557.13,Ppp1r12b,protein_coding	-0.0627	0.757905
ENSMUSG00000013465.20,Nelfb,protein_coding	-0.0627	0.792567
ENSMUSG00000106498.2,Gm43032,TEC	-0.0628	0.854304
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ENSMUSG00000022621.17,Rabl2,protein_coding	-0.0628	0.807335
ENSMUSG00000085881.5,Gm15912,lncRNA	-0.0628	0.875925
ENSMUSG00000035048.14,Anapc13,protein_coding	-0.0628	0.803647
ENSMUSG00000071180.6,Smim15,protein_coding	-0.0629	0.811593
ENSMUSG00000035620.16,Ric8b,protein_coding	-0.0629	0.744455
ENSMUSG00000042607.16,Asb4,protein_coding	-0.0629	0.940383
ENSMUSG00000024817.14,Uhrf2,protein_coding	-0.0629	0.746817
ENSMUSG00000032349.14,Elovl5,protein_coding	-0.0629	0.734243
ENSMUSG00000034064.15,Poglut1,protein_coding	-0.063	0.637081
ENSMUSG00000020576.11,Nbas,protein_coding	-0.0631	0.573866

ENSMUSG00000046865.8,Fbl,protein_coding	-0.0631	0.853197
ENSMUSG00000024829.13,Mrpl21,protein_coding	-0.0631	0.800092
ENSMUSG00000108808.2,Gm45204,TEC	-0.0631	0.871384
ENSMUSG00000033596.6,Rfwd3,protein_coding	-0.0631	0.844844
ENSMUSG00000049553.12,Polr1a,protein_coding	-0.0632	0.68561
ENSMUSG00000060981.8,H4c8,protein_coding	-0.0632	0.921556
ENSMUSG00000028763.19,Hspg2,protein_coding	-0.0632	0.819445
ENSMUSG00000008429.9,Herpud2,protein_coding	-0.0633	0.765991
ENSMUSG00000025475.18,Adgra1,protein_coding	-0.0633	0.835217
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ENSMUSG00000031099.17,Smarca1,protein_coding	-0.0634	0.807578
ENSMUSG00000108943.2,Gm44559,TEC	-0.0634	0.880776
ENSMUSG00000115955.2,9530056E24Rik,TEC	-0.0634	0.860951
ENSMUSG00000025537.13,Phkg1,protein_coding	-0.0635	0.889286
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ENSMUSG00000028383.18,Hsdl2,protein_coding	-0.0635	0.787616
ENSMUSG00000037541.23,Shank2,protein_coding	-0.0636	0.793738
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ENSMUSG00000021244.16,Ylpm1,protein_coding	-0.0638	0.688283
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ENSMUSG00000020115.4,Tbk1,protein_coding	-0.0642	0.641353
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ENSMUSG00000051495.9,Irf2bp2,protein_coding	-0.0645	0.698845

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ENSMUSG00000003233.13,Dvl3,protein_coding	-0.0647	0.667318
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ENSMUSG00000065147.3,Snora31,snoRNA	-0.0653	0.905819
ENSMUSG00000046311.15,Zfp62,protein_coding	-0.0653	0.803332
ENSMUSG00000068039.14,Tcp1,protein_coding	-0.0653	0.771625
ENSMUSG00000024319.19,Vps52,protein_coding	-0.0654	0.700543
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ENSMUSG00000009076.11,Zmat5,protein_coding	-0.0657	0.842958

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ENSMUSG00000032624.17,Eml4,protein_coding	-0.0665	0.843191
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ENSMUSG00000065954.12,Tacc1,protein_coding	-0.0668	0.743325
ENSMUSG00000126882.1,ENSMUSG00000126882,lncRNA	-0.0669	0.815789
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ENSMUSG00000073676.5,Hspe1,protein_coding	-0.0671	0.82816
ENSMUSG00000020891.12,Alox8,protein_coding	-0.0671	0.86939
ENSMUSG00000056537.12,Rlim,protein_coding	-0.0671	0.734519
ENSMUSG00000021982.15,Cdadc1,protein_coding	-0.0672	0.659191
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ENSMUSG00000063663.12,Brwd3,protein_coding	-0.0673	0.814049
ENSMUSG00000038658.16,Ric1,protein_coding	-0.0674	0.66096
ENSMUSG00000037747.10,Phyhipl,protein_coding	-0.0674	0.717751
ENSMUSG00000106858.2,Gm43844,TEC	-0.0674	0.838853
ENSMUSG00000024516.14,Sec11c,protein_coding	-0.0674	0.767993
ENSMUSG00000036985.13,Zdhhc9,protein_coding	-0.0675	0.625704
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ENSMUSG00000027422.16,Rrbp1,protein_coding	-0.0676	0.81012
ENSMUSG00000021103.13,Mnat1,protein_coding	-0.0676	0.839869
ENSMUSG00000009995.18,Tafazzin,protein_coding	-0.0676	0.722487
ENSMUSG00000062421.14,Arf2,protein_coding	-0.0677	0.716598
ENSMUSG00000028953.11,Abcf2,protein_coding	-0.0677	0.753312
ENSMUSG00000001157.14,Gmcl1,protein_coding	-0.0677	0.744561
ENSMUSG00000079020.10,Slc45a4,protein_coding	-0.0677	0.723259
ENSMUSG00000110499.2,Gm45873,TEC	-0.0677	0.846669
ENSMUSG00000026977.18,Marchf7,protein_coding	-0.0678	0.805938
ENSMUSG00000020700.12,Map3k3,protein_coding	-0.0678	0.705969
ENSMUSG00000041921.17,Metap1d,protein_coding	-0.0678	0.780469
ENSMUSG00000030869.12,Ndufab1,protein_coding	-0.0678	0.658649
ENSMUSG00000024639.6,Gnaq,protein_coding	-0.0678	0.694786
ENSMUSG00000024151.14,Msh2,protein_coding	-0.0679	0.767438
ENSMUSG00000020087.6,Tysnd1,protein_coding	-0.0679	0.728945
ENSMUSG00000059970.8,Hspa2,protein_coding	-0.0679	0.825196
ENSMUSG00000017007.10,Rbpjl,protein_coding	-0.0679	0.880817
ENSMUSG00000015714.12,Cers2,protein_coding	-0.0679	0.778333
ENSMUSG00000035585.17,Tsen34,protein_coding	-0.068	0.815628
ENSMUSG00000003273.15,Car11,protein_coding	-0.068	0.869218
ENSMUSG00000034269.13,Setd5,protein_coding	-0.068	0.611053
ENSMUSG00000077767.3,Snora35,snoRNA	-0.0681	0.909814
ENSMUSG00000084899.2,Gm15344,lncRNA	-0.0681	0.918582
ENSMUSG00000107155.2,Gm43793,TEC	-0.0681	0.822237
ENSMUSG00000054387.14,Mdm4,protein_coding	-0.0681	0.73547
ENSMUSG00000092216.4,Gm19345,protein_coding	-0.0681	0.931616
ENSMUSG00000039834.18,Zfp335,protein_coding	-0.0682	0.794575
ENSMUSG00000022770.18,Dlg1,protein_coding	-0.0683	0.702934
ENSMUSG00000032403.9,2300009A05Rik,protein_coding	-0.0683	0.835356
ENSMUSG00000024974.11,Smc3,protein_coding	-0.0683	0.774364
ENSMUSG00000020154.11,Ptprb,protein_coding	-0.0683	0.681003
ENSMUSG00000027931.13,Npr1,protein_coding	-0.0683	0.880285
ENSMUSG00000016918.16,Sulf1,protein_coding	-0.0683	0.806442

ENSMUSG00000039179.14,Tekt5,protein_coding	-0.0684	0.881987
ENSMUSG00000018800.15,Abca5,protein_coding	-0.0684	0.750252
ENSMUSG00000026889.13,Rbm18,protein_coding	-0.0685	0.69696
ENSMUSG00000028330.9,Ncbp1,protein_coding	-0.0685	0.638185
ENSMUSG00000015937.16,Macroh2a1,protein_coding	-0.0685	0.691811
ENSMUSG00000015002.19,Efr3a,protein_coding	-0.0685	0.724388
ENSMUSG00000022978.12,Mis18a,protein_coding	-0.0686	0.852442
ENSMUSG00000021115.16,Vrk1,protein_coding	-0.0686	0.824572
ENSMUSG00000023909.5,Paqr4,protein_coding	-0.0686	0.793289
ENSMUSG00000115041.2,Gm48939,TEC	-0.0687	0.91117
ENSMUSG00000035919.17,Bbs9,protein_coding	-0.0687	0.681181
ENSMUSG00000054720.13,Lrrc8c,protein_coding	-0.0687	0.698023
ENSMUSG00000036053.19,Fmnl2,protein_coding	-0.0687	0.663897
ENSMUSG00000040721.10,Zfhx2,protein_coding	-0.0687	0.831399
ENSMUSG00000032462.15,Pik3cb,protein_coding	-0.0687	0.66274
ENSMUSG00000032171.8,Pin1,protein_coding	-0.0688	0.703211
ENSMUSG00000058325.7,Dock1,protein_coding	-0.0688	0.658142
ENSMUSG00000030156.6,Cd69,protein_coding	-0.0688	0.980545
ENSMUSG00000129746.1,ENSMUSG00000129746,lncRNA	-0.0689	0.825558
ENSMUSG00000038446.9,Cdc40,protein_coding	-0.0689	0.724872
ENSMUSG00000036959.16,Bcorl1,protein_coding	-0.0689	0.695426
ENSMUSG00000071267.12,Zfp942,protein_coding	-0.0689	0.8835
ENSMUSG00000074238.7,Ap1ar,protein_coding	-0.069	0.667236
ENSMUSG00000026667.15,Uhmk1,protein_coding	-0.069	0.732054
ENSMUSG00000092187.3,Gm20457,lncRNA	-0.069	0.769775
ENSMUSG00000103047.2,Gm37310,TEC	-0.069	0.86615
ENSMUSG00000024982.11,Zdhhc6,protein_coding	-0.0691	0.781864
ENSMUSG00000074785.6,Plxnc1,protein_coding	-0.0691	0.743468
ENSMUSG00000074415.18,Mir100hg,lncRNA	-0.0692	0.830484
ENSMUSG00000039982.9,Dtx4,protein_coding	-0.0692	0.659349
ENSMUSG00000025184.11,R3hcc1l,protein_coding	-0.0692	0.661516
ENSMUSG00000033054.8,Npat,protein_coding	-0.0692	0.771838
ENSMUSG00000080463.3,Gm22489,snoRNA	-0.0693	0.915808
ENSMUSG00000120538.2,Gm57118,lncRNA	-0.0693	0.944542
ENSMUSG00000032549.8,Rab6b,protein_coding	-0.0693	0.804963
ENSMUSG00000062456.5,Rpl9-ps6,protein_coding	-0.0693	0.872832
ENSMUSG00000017548.16,Suz12,protein_coding	-0.0693	0.850095
ENSMUSG00000130597.1,ENSMUSG00000130597,lncRNA	-0.0693	0.87279
ENSMUSG00000022849.6,Hspbap1,protein_coding	-0.0693	0.795007
ENSMUSG00000001473.8,Tubb6,protein_coding	-0.0694	0.939969
ENSMUSG00000074264.13,Amy1,protein_coding	-0.0694	0.767058
ENSMUSG00000026153.16,Fam135a,protein_coding	-0.0694	0.900283
ENSMUSG00000020380.17,Rad50,protein_coding	-0.0694	0.845604
ENSMUSG00000115210.2,Gm49308,TEC	-0.0694	0.82251
ENSMUSG00000085379.4,2310058D17Rik,lncRNA	-0.0695	0.821983
ENSMUSG00000031969.17,Acad8,protein_coding	-0.0696	0.72656
ENSMUSG00000112056.2,Gm48181,TEC	-0.0696	0.887648
ENSMUSG00000121489.2,ENSMUSG00000121489,lncRNA	-0.0696	0.83394
ENSMUSG00000021171.9,Esyt2,protein_coding	-0.0696	0.685448
ENSMUSG00000030554.17,Synm,protein_coding	-0.0697	0.783685
ENSMUSG00000042520.17,Ubap2l,protein_coding	-0.0697	0.650397
ENSMUSG00000032482.10,Cspg5,protein_coding	-0.0698	0.801997

ENSMUSG00000028799.16,Zfp362,protein_coding	-0.0698	0.72675
ENSMUSG00000031949.18,Adat1,protein_coding	-0.0698	0.783898
ENSMUSG00000041375.20,Ccdc9,protein_coding	-0.0699	0.667548
ENSMUSG00000026670.16,Uap1,protein_coding	-0.0699	0.748615
ENSMUSG00000143028.1,ENSMUSG00000143028,lncRNA	-0.0699	0.940936
ENSMUSG00000026229.18,Psmd1,protein_coding	-0.07	0.628161
ENSMUSG00000020859.18,Spag9,protein_coding	-0.07	0.64234
ENSMUSG00000022177.10,Haus4,protein_coding	-0.07	0.926485
ENSMUSG00000031583.14,Wrn,protein_coding	-0.07	0.769372
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ENSMUSG00000022677.16,Cep20,protein_coding	-0.0701	0.567373
ENSMUSG00000132139.1,ENSMUSG00000132139,lncRNA	-0.0701	0.89953
ENSMUSG00000015944.10,Castor2,protein_coding	-0.0701	0.773274
ENSMUSG00000102850.2,Gm37082,TEC	-0.0701	0.907363
ENSMUSG00000090168.3,D630014O11Rik,lncRNA	-0.0702	0.878304
ENSMUSG00000020390.13,Ube2b,protein_coding	-0.0702	0.670353
ENSMUSG00000008333.13,Snrpb2,protein_coding	-0.0702	0.805091
ENSMUSG00000115148.2,Gm49125,TEC	-0.0702	0.81969
ENSMUSG00000138276.1,ENSMUSG00000138276,lncRNA	-0.0702	0.898245
ENSMUSG00000067028.12,Cntnap5b,protein_coding	-0.0703	0.75114
ENSMUSG00000004885.6,Crabp2,protein_coding	-0.0703	0.878553
ENSMUSG00000042579.5,4632404H12Rik,lncRNA	-0.0703	0.737946
ENSMUSG00000027774.17,Gfm1,protein_coding	-0.0703	0.616999
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ENSMUSG00000024921.18,Smarca2,protein_coding	-0.0703	0.783955
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ENSMUSG00000024241.8,Sos1,protein_coding	-0.0704	0.605527
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ENSMUSG00000028433.15,Ubap2,protein_coding	-0.0705	0.722692
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ENSMUSG00000087260.6,Lamtor5,protein_coding	-0.0706	0.770806
ENSMUSG00000039361.12,Picalm,protein_coding	-0.0707	0.732942
ENSMUSG00000035722.16,Abca7,protein_coding	-0.0708	0.765375
ENSMUSG00000105622.2,Gm42615,TEC	-0.0708	0.865085
ENSMUSG00000083798.2,Gm14584,processed_pseudogene	-0.0708	0.754601
ENSMUSG00000040488.20,Ltbp4,protein_coding	-0.0708	0.848612
ENSMUSG00000059486.12,Kbtbd2,protein_coding	-0.0708	0.596157
ENSMUSG00000068130.13,Zfp442,protein_coding	-0.0709	0.88666
ENSMUSG00000021685.13,Otp,protein_coding	-0.0709	0.966893
ENSMUSG00000040640.12,Erc2,protein_coding	-0.0709	0.819853
ENSMUSG00000021996.17,Esd,protein_coding	-0.071	0.748259
ENSMUSG00000021848.17,Otx2,protein_coding	-0.0711	0.886264
ENSMUSG00000024097.12,Srsf7,protein_coding	-0.0711	0.79435

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ENSMUSG00000024613.17,Tcof1,protein_coding	-0.0712	0.892765
ENSMUSG00000025964.16,Adam23,protein_coding	-0.0712	0.716605
ENSMUSG00000066037.15,Hnrnpr,protein_coding	-0.0713	0.71228
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ENSMUSG00000098234.10,Snhg6,lncRNA	-0.0713	0.846474
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ENSMUSG00000052372.11,Il1rapl1,protein_coding	-0.0715	0.801622
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ENSMUSG00000105259.2,Gm42874,TEC	-0.0717	0.927624
ENSMUSG00000039656.18,Rxrb,protein_coding	-0.0717	0.715398
ENSMUSG00000020413.12,Hus1,protein_coding	-0.0717	0.741737
ENSMUSG00000021280.10,Exoc3l4,protein_coding	-0.0718	0.894889
ENSMUSG00000104204.2,Gm37397,TEC	-0.0718	0.848954
ENSMUSG00000047347.8,Tdg-ps,processed_pseudogene	-0.0718	0.793861
ENSMUSG00000079109.12,Pms2,protein_coding	-0.0718	0.628257
ENSMUSG00000023032.13,Slc4a8,protein_coding	-0.0718	0.73054
ENSMUSG00000025898.7,Cwf19l2,protein_coding	-0.0718	0.81643
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ENSMUSG00000103867.2,9630010A21Rik,TEC	-0.0719	0.818147
ENSMUSG00000040596.17,Pogk,protein_coding	-0.0719	0.613318
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ENSMUSG00000022766.15,Serpind1,protein_coding	-0.0719	0.883417
ENSMUSG00000058240.15,Cryzl1,protein_coding	-0.0719	0.603514
ENSMUSG00000064844.3,Gm26202,snoRNA	-0.072	0.883961
ENSMUSG00000022696.18,Sidt1,protein_coding	-0.072	0.779332

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ENSMUSG00000030772.7,Dkk3,protein_coding	-0.0722	0.84736
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ENSMUSG00000092558.4,Med20,protein_coding	-0.0725	0.717942
ENSMUSG00000033813.16,Tcea1,protein_coding	-0.0725	0.828919
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ENSMUSG00000000149.11,Gna12,protein_coding	-0.0725	0.685246
ENSMUSG00000034295.12,Fhod3,protein_coding	-0.0725	0.818448
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ENSMUSG00000056752.17,Dnah9,protein_coding	-0.0725	0.844088
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ENSMUSG00000025017.11,Pik3ap1,protein_coding	-0.0727	0.953459
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ENSMUSG00000030753.16,Thap12,protein_coding	-0.0728	0.667076
ENSMUSG00000025486.18,Sirt3,protein_coding	-0.0728	0.712822
ENSMUSG00000052031.9,Tagap1,protein_coding	-0.0728	0.654829
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ENSMUSG00000031701.7,Dnaja2,protein_coding	-0.0729	0.689064
ENSMUSG00000027243.9,Harbi1,protein_coding	-0.0729	0.825115
ENSMUSG00000054408.10,Spcs3,protein_coding	-0.0729	0.75367
ENSMUSG00000031802.10,Phxr4,TEC	-0.0729	0.811017
ENSMUSG00000021071.18,Trim9,protein_coding	-0.073	0.763176
ENSMUSG00000039356.16,Exosc2,protein_coding	-0.0731	0.791749
ENSMUSG00000115276.2,9930017N22Rik,TEC	-0.0732	0.850753
ENSMUSG00000018381.16,Abi3,protein_coding	-0.0733	0.909641
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ENSMUSG00000093661.2,Eif4e3,protein_coding	-0.0733	0.663623
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ENSMUSG00000038013.15,Wipf2,protein_coding	-0.0735	0.681061
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ENSMUSG00000028688.14,Toe1,protein_coding	-0.0736	0.812801
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ENSMUSG00000020319.10,Wdpcp,protein_coding	-0.0737	0.748517
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ENSMUSG00000027597.16,Ahcy,protein_coding	-0.0739	0.875168
ENSMUSG00000043079.18,Synpo,protein_coding	-0.074	0.847886
ENSMUSG00000059552.14,Trp53,protein_coding	-0.074	0.862579
ENSMUSG00000040365.15,Trim41,protein_coding	-0.074	0.646134
ENSMUSG00000065272.3,Snord57,snoRNA	-0.0741	0.900013
ENSMUSG00000121477.2,ENSMUSG00000121477,lncRNA	-0.0741	0.639272
ENSMUSG00000030494.15,Rhpn2,protein_coding	-0.0741	0.783573
ENSMUSG00000073471.4,Rsph3a,protein_coding	-0.0742	0.826624
ENSMUSG00000021248.10,Tmed10,protein_coding	-0.0742	0.615128
ENSMUSG00000042302.15,Ehbp1,protein_coding	-0.0742	0.61672
ENSMUSG00000103006.2,4933417C20Rik,TEC	-0.0742	0.917767
ENSMUSG00000015750.16,Aph1a,protein_coding	-0.0742	0.699845
ENSMUSG00000022136.9,Dnajc3,protein_coding	-0.0742	0.705086
ENSMUSG00000117372.2,Gm49972,TEC	-0.0742	0.818577
ENSMUSG00000062995.13,Ica1,protein_coding	-0.0743	0.756796
ENSMUSG00000034958.12,Atcay,protein_coding	-0.0743	0.802214
ENSMUSG00000103756.2,Gm37285,TEC	-0.0743	0.856909
ENSMUSG00000057421.13,Las1l,protein_coding	-0.0743	0.629828
ENSMUSG00000030446.18,Zfp273,protein_coding	-0.0743	0.809356
ENSMUSG00000015341.18,Golga7,protein_coding	-0.0743	0.600482
ENSMUSG00000033808.17,Tmem87a,protein_coding	-0.0744	0.65417
ENSMUSG00000024610.17,Cd74,protein_coding	-0.0744	0.960394
ENSMUSG00000032301.14,Psma4,protein_coding	-0.0745	0.746595
ENSMUSG00000030109.16,Slc6a12,protein_coding	-0.0745	0.913934
ENSMUSG00000041781.10,Cpsf2,protein_coding	-0.0745	0.768833
ENSMUSG00000019809.17,Pex3,protein_coding	-0.0746	0.659193
ENSMUSG00000023800.16,Tiam2,protein_coding	-0.0746	0.847339
ENSMUSG00000025484.10,Bet1l,protein_coding	-0.0746	0.676699
ENSMUSG00000035683.14,Melk,protein_coding	-0.0747	0.954316
ENSMUSG00000030882.20,Dnhd1,protein_coding	-0.0747	0.831201
ENSMUSG00000028794.14,A3galt2,protein_coding	-0.0747	0.908544
ENSMUSG00000092607.10,Scnm1,protein_coding	-0.0747	0.742743
ENSMUSG00000019984.17,Med23,protein_coding	-0.0748	0.681443
ENSMUSG00000034930.17,Rtkn,protein_coding	-0.0748	0.799056
ENSMUSG00000108954.2,Gm44901,TEC	-0.0749	0.843064

ENSMUSG00000032551.8,1110059G10Rik,protein_coding	-0.0749	0.748312
ENSMUSG00000110834.4,Gm39469,lncRNA	-0.0749	0.835543
ENSMUSG00000040225.16,Prrc2c,protein_coding	-0.0749	0.574396
ENSMUSG00000026987.17,Baz2b,protein_coding	-0.0749	0.705681
ENSMUSG00000024271.9,Elp2,protein_coding	-0.0749	0.549406
ENSMUSG00000029017.14,Pmpcb,protein_coding	-0.075	0.600222
ENSMUSG00000030469.11,Zfp719,protein_coding	-0.075	0.671345
ENSMUSG00000062040.15,Zfp27,protein_coding	-0.075	0.615567
ENSMUSG00000029406.16,Pitpnm2,protein_coding	-0.075	0.810129
ENSMUSG00000109608.2,Gm45597,TEC	-0.075	0.939814
ENSMUSG00000000384.16,Tbrg4,protein_coding	-0.0751	0.728989
ENSMUSG00000103506.2,Gm38376,TEC	-0.0751	0.786959
ENSMUSG00000099924.2,Gm28320,lncRNA	-0.0751	0.838634
ENSMUSG00000020086.7,Macroh2a2,protein_coding	-0.0751	0.770896
ENSMUSG00000048874.16,Phf3,protein_coding	-0.0751	0.558472
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ENSMUSG00000028059.17,Arhgef2,protein_coding	-0.0752	0.679253
ENSMUSG00000018412.17,Kansl1,protein_coding	-0.0752	0.520624
ENSMUSG00000037174.19,Elf2,protein_coding	-0.0753	0.723817
ENSMUSG00000050930.6,Map10,protein_coding	-0.0753	0.766007
ENSMUSG00000064125.15,Prr36,protein_coding	-0.0753	0.841391
ENSMUSG00000102874.2,Gm37137,TEC	-0.0755	0.806506
ENSMUSG00000059890.17,Ube4a,protein_coding	-0.0755	0.522098
ENSMUSG00000096992.5,Gm26788,lncRNA	-0.0755	0.897741
ENSMUSG00000023988.9,Bysl,protein_coding	-0.0755	0.665234
ENSMUSG00000037234.18,Hook3,protein_coding	-0.0755	0.652365
ENSMUSG00000029014.15,Dnajc2,protein_coding	-0.0756	0.786016
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ENSMUSG00000000627.16,Sema4f,protein_coding	-0.0756	0.797568
ENSMUSG00000038628.9,Polr3k,protein_coding	-0.0756	0.706858
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ENSMUSG00000054099.12,Slc25a40,protein_coding	-0.0757	0.740133
ENSMUSG00000014496.9,Ankrd28,protein_coding	-0.0757	0.702799
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ENSMUSG00000021097.16,Clmn,protein_coding	-0.0758	0.694909
ENSMUSG00000053205.10,Styx,protein_coding	-0.0759	0.820037
ENSMUSG00000040146.10,Rgl3,protein_coding	-0.0759	0.898401
ENSMUSG00000021708.19,Rasgrf2,protein_coding	-0.0759	0.801581
ENSMUSG00000024944.7,Arl2,protein_coding	-0.076	0.741174
ENSMUSG00000020834.18,Dhrs13,protein_coding	-0.076	0.802118
ENSMUSG00000029992.15,Gfpt1,protein_coding	-0.076	0.578487
ENSMUSG00000006005.19,Tpr,protein_coding	-0.0761	0.557815
ENSMUSG00000027194.17,Ttc17,protein_coding	-0.0761	0.611538
ENSMUSG00000042857.6,Gm9776,lncRNA	-0.0761	0.81505
ENSMUSG00000008976.17,Gabpa,protein_coding	-0.0761	0.758492
ENSMUSG00000104244.2,2900018N21Rik,TEC	-0.0762	0.859796
ENSMUSG00000037349.10,Nudt22,protein_coding	-0.0762	0.826762

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ENSMUSG00000032737.14,Inppl1,protein_coding	-0.0763	0.73946
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ENSMUSG00000058704.10,Memo1,protein_coding	-0.0763	0.786653
ENSMUSG00000024668.9,Sdhaf2,protein_coding	-0.0764	0.61145
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ENSMUSG00000006906.11,Stambp,protein_coding	-0.0765	0.592572
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ENSMUSG00000073680.3,Tmem88b,protein_coding	-0.0769	0.713258
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ENSMUSG00000035047.10,Kri1,protein_coding	-0.0787	0.709674
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ENSMUSG00000096145.3,Vkorc1,protein_coding	-0.0788	0.832543

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ENSMUSG00000025935.11,Tram1,protein_coding	-0.08	0.80546
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ENSMUSG00000028773.9,Fabp3,protein_coding	-0.08	0.81409
ENSMUSG00000049577.16,Zfpm1,protein_coding	-0.08	0.825447
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ENSMUSG00000038535.18,Zfp280d,protein_coding	-0.0804	0.752342
ENSMUSG00000037533.21,Rapgef6,protein_coding	-0.0804	0.641377
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ENSMUSG00000041020.15,Map7d2,protein_coding	-0.0805	0.685348
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ENSMUSG00000037646.11,Vps13b,protein_coding	-0.0806	0.554861
ENSMUSG00000097048.10,1600020E01Rik,lncRNA	-0.0806	0.671987
ENSMUSG00000027797.16,Dclk1,protein_coding	-0.0806	0.773765
ENSMUSG00000036120.11,Rfxank,protein_coding	-0.0807	0.78363
ENSMUSG00000079043.4,Fastkd5,protein_coding	-0.0807	0.741066
ENSMUSG00000033282.15,Rpgrip1l,protein_coding	-0.0807	0.68759
ENSMUSG00000120380.2,Gm56636,lncRNA	-0.0807	0.87612
ENSMUSG00000030978.11,Rrm1,protein_coding	-0.0807	0.870141
ENSMUSG00000018415.15,Gid4,protein_coding	-0.0807	0.502906
ENSMUSG00000072476.7,Rnf26rt,protein_coding	-0.0807	0.977469
ENSMUSG00000030271.15,Ogg1,protein_coding	-0.0808	0.824377
ENSMUSG00000047539.10,Fbxo28,protein_coding	-0.0808	0.550296
ENSMUSG00000029439.15,Sfswap,protein_coding	-0.0808	0.668955
ENSMUSG00000038497.8,Tmco3,protein_coding	-0.0808	0.630512
ENSMUSG00000062937.8,Mtap,protein_coding	-0.0808	0.797533
ENSMUSG00000034121.13,Mks1,protein_coding	-0.0808	0.855106
ENSMUSG00000084996.3,Gm11419,lncRNA	-0.0808	0.826407
ENSMUSG00000025912.17,Mybl1,protein_coding	-0.0809	0.937523
ENSMUSG00000026279.15,Thap4,protein_coding	-0.0809	0.668471
ENSMUSG00000064364.1,mt-Th,Mt_tRNA	-0.0809	0.901844
ENSMUSG00000022241.7,Tars1,protein_coding	-0.081	0.81999
ENSMUSG00000074994.7,Qser1,protein_coding	-0.081	0.770805
ENSMUSG00000053684.9,Kics2,protein_coding	-0.081	0.750991
ENSMUSG00000049511.6,Htr1b,protein_coding	-0.081	0.792749
ENSMUSG00000024140.11,Epas1,protein_coding	-0.081	0.568362
ENSMUSG00000038264.9,Sema7a,protein_coding	-0.081	0.674889
ENSMUSG00000121377.2,Gm5113,lncRNA	-0.0811	0.671977
ENSMUSG00000022295.9,Atp6v1c1,protein_coding	-0.0811	0.692677
ENSMUSG00000025658.17,Cnksr2,protein_coding	-0.0811	0.802679
ENSMUSG00000049760.7,Micos13,protein_coding	-0.0812	0.772933
ENSMUSG00000102752.2,Gm7694,protein_coding	-0.0812	0.72701
ENSMUSG00000102854.2,C130023A14Rik,TEC	-0.0812	0.862995
ENSMUSG00000015994.11,Fnta,protein_coding	-0.0812	0.669941
ENSMUSG00000112964.4,E430024I08Rik,lncRNA	-0.0813	0.681121
ENSMUSG00000059895.14,Ptp4a3,protein_coding	-0.0813	0.723459
ENSMUSG00000034684.13,Sema3f,protein_coding	-0.0813	0.838591
ENSMUSG00000001985.10,Grik3,protein_coding	-0.0813	0.770025

ENSMUSG00000059796.17,Eif4a1,protein_coding	-0.0813	0.717164
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ENSMUSG00000021139.18,S2bpcox16,protein_coding	-0.0813	0.794523
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ENSMUSG00000032481.18,Smarcc1,protein_coding	-0.0814	0.700213
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ENSMUSG00000014504.17,Srp19,protein_coding	-0.0814	0.631117
ENSMUSG00000020448.17,Rnf185,protein_coding	-0.0815	0.607501
ENSMUSG00000097343.4,9030407P20Rik,lncRNA	-0.0815	0.776841
ENSMUSG00000044647.17,Csrnp3,protein_coding	-0.0816	0.686753
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ENSMUSG00000097280.3,AI849053,lncRNA	-0.0817	0.903238
ENSMUSG00000052917.16,Senp7,protein_coding	-0.0817	0.549026
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ENSMUSG00000025255.19,Zfhx4,protein_coding	-0.0818	0.807769
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ENSMUSG00000021428.10,Riok1,protein_coding	-0.0819	0.7426
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ENSMUSG00000024743.17,Syt7,protein_coding	-0.0821	0.74218
ENSMUSG00000029111.8,Nelfa,protein_coding	-0.0821	0.614637
ENSMUSG00000021607.10,Mrpl36,protein_coding	-0.0821	0.771077
ENSMUSG00000032449.14,Slc25a36,protein_coding	-0.0822	0.694483
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ENSMUSG00000061665.8,Cd2ap,protein_coding	-0.0823	0.828991
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ENSMUSG00000030942.9,Thumpd1,protein_coding	-0.0824	0.687803
ENSMUSG00000023018.6,Smarcd1,protein_coding	-0.0824	0.763004
ENSMUSG00000038668.15,Lpar1,protein_coding	-0.0824	0.669101
ENSMUSG00000085887.4,Arhgap27os3,lncRNA	-0.0825	0.953909
ENSMUSG00000018921.12,Pelp1,protein_coding	-0.0825	0.69825
ENSMUSG00000060397.7,Zfp128,protein_coding	-0.0825	0.642566
ENSMUSG00000111935.2,Gm47023,TEC	-0.0825	0.849652
ENSMUSG00000116564.2,Riok2,protein_coding	-0.0825	0.629132
ENSMUSG00000025949.17,Pikfyve,protein_coding	-0.0826	0.523177
ENSMUSG00000074282.11,Zfp94,protein_coding	-0.0826	0.756355
ENSMUSG00000033364.14,Usp37,protein_coding	-0.0826	0.688578
ENSMUSG00000107955.2,Gm44027,TEC	-0.0826	0.752627
ENSMUSG00000041133.12,Smc1a,protein_coding	-0.0827	0.64817
ENSMUSG00000050132.14,Sarm1,protein_coding	-0.0827	0.75802
ENSMUSG00000026980.16,Ly75,protein_coding	-0.0827	0.934845
ENSMUSG00000026289.16,Atg16l1,protein_coding	-0.0828	0.618545

ENSMUSG00000034203.9,Chchd4,protein_coding	-0.0829	0.671197
ENSMUSG00000024966.10,Stip1,protein_coding	-0.083	0.70997
ENSMUSG00000106310.2,Gm43523,TEC	-0.083	0.882309
ENSMUSG00000097613.3,Gm17597,lncRNA	-0.0831	0.838051
ENSMUSG00000118018.2,Gm54728,lncRNA	-0.0831	0.769745
ENSMUSG00000055204.17,Ankrd17,protein_coding	-0.0831	0.512496
ENSMUSG00000009907.18,Vps4b,protein_coding	-0.0831	0.650694
ENSMUSG00000061778.11,Mospd2,protein_coding	-0.0831	0.694427
ENSMUSG00000138173.1,ENSMUSG00000138173,lncRNA	-0.0832	0.857238
ENSMUSG00000026765.13,Lypd6b,protein_coding	-0.0832	0.857858
ENSMUSG00000082120.2,Gm15720,processed_pseudogene	-0.0833	0.905209
ENSMUSG00000042605.17,Atxn2,protein_coding	-0.0834	0.536464
ENSMUSG00000051920.8,Rspo2,protein_coding	-0.0834	0.859123
ENSMUSG00000020070.19,Rufy2,protein_coding	-0.0834	0.595673
ENSMUSG00000027522.17,Stx16,protein_coding	-0.0834	0.512828
ENSMUSG00000046572.11,Zfp518b,protein_coding	-0.0834	0.708731
ENSMUSG00000025812.19,Pard3,protein_coding	-0.0834	0.713262
ENSMUSG00000045576.17,St7l,protein_coding	-0.0834	0.575358
ENSMUSG00000108358.2,Gm44509,TEC	-0.0834	0.716247
ENSMUSG00000020091.17,Eif4ebp2,protein_coding	-0.0835	0.583173
ENSMUSG00000107879.3,9330102E08Rik,translated_unprocessed_pseudoge	-0.0837	0.768048
ENSMUSG00000049764.9,Zfp280b,protein_coding	-0.0837	0.529537
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ENSMUSG00000032997.17,Chpf,protein_coding	-0.0839	0.747704
ENSMUSG00000083623.2,Gm7224,unprocessed_pseudogene	-0.0839	0.855732
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ENSMUSG00000068284.15,Usf3,protein_coding	-0.0841	0.615717
ENSMUSG00000034574.11,Daam1,protein_coding	-0.0841	0.476228
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ENSMUSG00000074582.11,Arfgef2,protein_coding	-0.0843	0.539115
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ENSMUSG00000041132.12,N4bp2l1,protein_coding	-0.0872	0.616948
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ENSMUSG00000066456.15,Hmgn3,protein_coding	-0.0874	0.610549
ENSMUSG00000024194.17,Cuta,protein_coding	-0.0874	0.727186
ENSMUSG00000032232.15,Cgnl1,protein_coding	-0.0875	0.734138
ENSMUSG00000042333.17,Tnfrsf14,protein_coding	-0.0875	0.917609
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ENSMUSG00000033128.10,Gga1,protein_coding	-0.0875	0.722667
ENSMUSG00000006169.21,Clint1,protein_coding	-0.0876	0.649985
ENSMUSG00000030127.16,Cops7a,protein_coding	-0.0876	0.721402
ENSMUSG00000028525.17,Pde4b,protein_coding	-0.0876	0.517495
ENSMUSG00000043372.13,Hexim2,protein_coding	-0.0876	0.745023
ENSMUSG00000044499.12,Hs3st5,protein_coding	-0.0876	0.689798
ENSMUSG00000022022.4,Mtrf1,protein_coding	-0.0876	0.752369
ENSMUSG00000057133.15,Chd6,protein_coding	-0.0877	0.499201
ENSMUSG00000029843.5,Slc13a4,protein_coding	-0.0877	0.781376
ENSMUSG00000033335.19,Dnm2,protein_coding	-0.0877	0.626585
ENSMUSG00000038095.16,Sbno1,protein_coding	-0.0877	0.469335
ENSMUSG00000038759.17,Nup205,protein_coding	-0.0878	0.750993
ENSMUSG00000028441.13,Spmip6,protein_coding	-0.0879	0.898861
ENSMUSG00000051065.10,Mb21d2,protein_coding	-0.0879	0.680664
ENSMUSG00000106826.2,Gm42583,TEC	-0.0879	0.863856
ENSMUSG00000025613.14,Cct8,protein_coding	-0.088	0.689064
ENSMUSG00000102659.2,Gm37077,TEC	-0.088	0.797025
ENSMUSG00000024228.13,Nudt12,protein_coding	-0.0881	0.805762
ENSMUSG00000109231.2,Gm45737,TEC	-0.0881	0.870771
ENSMUSG00000015806.13,Qdpr,protein_coding	-0.0881	0.677263
ENSMUSG00000021704.9,Mtx3,protein_coding	-0.0881	0.564287
ENSMUSG00000022673.6,Mcm4,protein_coding	-0.0881	0.900411
ENSMUSG00000042742.8,Bmt2,protein_coding	-0.0882	0.705532
ENSMUSG00000020644.10,Id2,protein_coding	-0.0882	0.75191
ENSMUSG00000038268.5,Ovca2,protein_coding	-0.0882	0.600942
ENSMUSG00000102172.2,Gm37873,TEC	-0.0882	0.878336
ENSMUSG00000034263.14,Ints14,protein_coding	-0.0882	0.719126
ENSMUSG00000047921.19,Trappc9,protein_coding	-0.0883	0.589242
ENSMUSG00000117710.3,Gm10817,lncRNA	-0.0883	0.848682
ENSMUSG00000013736.17,Trnt1,protein_coding	-0.0883	0.646424
ENSMUSG00000048458.9,Inka2,protein_coding	-0.0883	0.81921
ENSMUSG00000028970.10,Abcb1b,protein_coding	-0.0884	0.888962
ENSMUSG00000028874.15,Fgr,protein_coding	-0.0884	0.940376
ENSMUSG00000047473.15,Zfp30,protein_coding	-0.0884	0.602726
ENSMUSG00000067629.14,Syngap1,protein_coding	-0.0885	0.810536
ENSMUSG00000109428.2,Gm45698,TEC	-0.0885	0.899742
ENSMUSG00000120162.2,Gm5817,lncRNA	-0.0885	0.744211
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ENSMUSG00000004462.8,Tbccd1,protein_coding	-0.0885	0.682747
ENSMUSG00000014426.10,Map3k4,protein_coding	-0.0886	0.598563
ENSMUSG00000116953.2,Ermardl2,protein_coding	-0.0886	0.846671
ENSMUSG00000028690.5,Mmachc,protein_coding	-0.0886	0.682925

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ENSMUSG00000078899.10,Gm4631,protein_coding	-0.0887	0.684531
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ENSMUSG00000036934.10,4921524J17Rik,protein_coding	-0.0889	0.739194
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ENSMUSG00000057716.8,Tmem178b,protein_coding	-0.089	0.696333
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ENSMUSG00000062761.8,Zfp512,protein_coding	-0.089	0.414469
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ENSMUSG00000086502.4,B130055M24Rik,lncRNA	-0.09	0.737972
ENSMUSG00000033701.14,Acbd6,protein_coding	-0.0902	0.51863
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ENSMUSG00000108455.2,Gm44745,TEC	-0.0902	0.85827
ENSMUSG00000073639.7,Rab18,protein_coding	-0.0903	0.665602
ENSMUSG00000038022.12,Mindy4,protein_coding	-0.0903	0.800421
ENSMUSG00000029777.11,Gars1,protein_coding	-0.0903	0.731105
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ENSMUSG00000021134.18,Srsf5,protein_coding	-0.0904	0.568258
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ENSMUSG00000036737.13,Oxsr1,protein_coding	-0.0906	0.456469
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ENSMUSG00000028035.14,Dnajb4,protein_coding	-0.0906	0.61743
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ENSMUSG00000057396.8,Zfp759,protein_coding	-0.0907	0.690818
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ENSMUSG00000078480.4,Mrpl48-ps,processed_pseudogene	-0.0913	0.80314
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ENSMUSG00000054021.7,Sirt5,protein_coding	-0.0916	0.700922
ENSMUSG00000030780.16,Rusf1,protein_coding	-0.0916	0.603562
ENSMUSG00000036568.8,Bicral,protein_coding	-0.0917	0.520758
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ENSMUSG00000038473.15,Nos1ap,protein_coding	-0.0951	0.735813
ENSMUSG00000000131.16,Xpo6,protein_coding	-0.0952	0.482243
ENSMUSG00000032939.15,Nup93,protein_coding	-0.0952	0.644667
ENSMUSG00000005102.14,Eif2ak4,protein_coding	-0.0952	0.527918
ENSMUSG00000040599.14,Mis12,protein_coding	-0.0952	0.579039
ENSMUSG00000005481.19,Ddx39a,protein_coding	-0.0952	0.871883
ENSMUSG00000033114.12,Slc35d2,protein_coding	-0.0953	0.902963
ENSMUSG00000039754.11,Alkbh4,protein_coding	-0.0953	0.757427
ENSMUSG00000062257.14,Opcml,protein_coding	-0.0953	0.723399
ENSMUSG00000020590.17,Snx13,protein_coding	-0.0954	0.65794
ENSMUSG00000028232.14,Tmem68,protein_coding	-0.0955	0.683173
ENSMUSG00000103183.2,Gm37090,TEC	-0.0955	0.853675
ENSMUSG00000079018.11,Ly6c1,protein_coding	-0.0955	0.781196
ENSMUSG00000034544.18,Rsrc1,protein_coding	-0.0955	0.56667
ENSMUSG00000037196.7,Pacrg,protein_coding	-0.0955	0.729978
ENSMUSG00000026820.6,Ptges2,protein_coding	-0.0956	0.748003
ENSMUSG00000020063.17,Sirt1,protein_coding	-0.0956	0.799792
ENSMUSG00000019433.10,Gipc1,protein_coding	-0.0956	0.754511
ENSMUSG00000113165.3,Gm47863,lncRNA	-0.0957	0.768969
ENSMUSG00000068798.11,Rap1a,protein_coding	-0.0957	0.752436
ENSMUSG00000056145.7,AI504432,lncRNA	-0.0957	0.673021
ENSMUSG00000040848.12,Sft2d2,protein_coding	-0.0957	0.860408
ENSMUSG00000028381.9,Ugcg,protein_coding	-0.0957	0.644577
ENSMUSG00000017756.10,Slc12a7,protein_coding	-0.0958	0.78713
ENSMUSG00000032123.6,Dpagt1,protein_coding	-0.0958	0.738984
ENSMUSG00000055003.15,Lrtm2,protein_coding	-0.0958	0.765285
ENSMUSG00000143422.1,ENSMUSG00000143422,lncRNA	-0.0958	0.865295
ENSMUSG00000028414.18,Fktn,protein_coding	-0.0959	0.528918
ENSMUSG00000051890.14,Klhdc1,protein_coding	-0.0959	0.684451
ENSMUSG00000042439.14,Zfp532,protein_coding	-0.0959	0.644605
ENSMUSG00000041702.8,Btbd7,protein_coding	-0.096	0.550652
ENSMUSG00000108049.2,Gm44168,TEC	-0.096	0.761303
ENSMUSG00000026784.15,Pdss1,protein_coding	-0.096	0.756382
ENSMUSG00000022898.14,Vps26c,protein_coding	-0.0961	0.62888
ENSMUSG00000050628.7,Ubald2,protein_coding	-0.0962	0.819214
ENSMUSG00000031016.10,Wee1,protein_coding	-0.0962	0.736345
ENSMUSG00000028999.16,Rint1,protein_coding	-0.0962	0.601728
ENSMUSG00000060716.8,Plekhh1,protein_coding	-0.0962	0.652555
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ENSMUSG00000027706.9,Sec62,protein_coding	-0.0963	0.631572
ENSMUSG00000023048.14,Prr13,protein_coding	-0.0963	0.777873
ENSMUSG00000008496.20,Pou2f2,protein_coding	-0.0963	0.814119

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ENSMUSG00000028599.11,Tnfrsf1b,protein_coding	-0.0964	0.913152
ENSMUSG00000024862.17,Klc2,protein_coding	-0.0964	0.717076
ENSMUSG00000021111.16,Papola,protein_coding	-0.0965	0.601575
ENSMUSG00000034333.16,Zbed4,protein_coding	-0.0965	0.688578
ENSMUSG00000031266.8,Gla,protein_coding	-0.0966	0.65529
ENSMUSG00000053358.3,Gm9905,TEC	-0.0967	0.823818
ENSMUSG00000030306.15,Tmtc1,protein_coding	-0.0967	0.678997
ENSMUSG00000034453.9,Polr3b,protein_coding	-0.0968	0.720679
ENSMUSG00000048148.19,Nwd1,protein_coding	-0.0969	0.574886
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ENSMUSG00000025785.6,Exosc7,protein_coding	-0.0969	0.561353
ENSMUSG00000030727.13,Rabep2,protein_coding	-0.0969	0.794674
ENSMUSG00000027361.16,Gabpb1,protein_coding	-0.0969	0.699666
ENSMUSG00000047996.17,Prrg1,protein_coding	-0.0969	0.758859
ENSMUSG00000020362.14,Cnot6,protein_coding	-0.0969	0.692631
ENSMUSG00000021711.18,Trappc13,protein_coding	-0.097	0.620681
ENSMUSG00000040359.15,Ufl1,protein_coding	-0.097	0.651972
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ENSMUSG00000026726.11,Cubn,protein_coding	-0.097	0.869838
ENSMUSG00000047675.16,Rps8,protein_coding	-0.0971	0.828224
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ENSMUSG00000052430.16,Bmpr1b,protein_coding	-0.0972	0.618848
ENSMUSG00000084989.4,Crocc2,protein_coding	-0.0972	0.895882
ENSMUSG00000041459.16,Tardbp,protein_coding	-0.0972	0.696979
ENSMUSG00000068205.15,Macrod2,protein_coding	-0.0973	0.68852
ENSMUSG00000037185.10,Krt80,protein_coding	-0.0973	0.828638
ENSMUSG00000078765.12,U2af1l4,protein_coding	-0.0974	0.684634
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ENSMUSG00000112592.2,Gm19972,TEC	-0.0974	0.842011
ENSMUSG00000105079.2,Gm43715,TEC	-0.0974	0.799899
ENSMUSG00000097416.6,Gm26670,lncRNA	-0.0974	0.851048
ENSMUSG00000046351.12,Zfp322a,protein_coding	-0.0974	0.63713
ENSMUSG00000030309.17,Caprin2,protein_coding	-0.0974	0.635716
ENSMUSG00000039375.17,Wdr17,protein_coding	-0.0975	0.762875
ENSMUSG00000005610.18,Eif4g2,protein_coding	-0.0975	0.490546
ENSMUSG00000044081.10,Zfp85os,lncRNA	-0.0975	0.657389
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ENSMUSG00000006720.17,Zfp184,protein_coding	-0.0977	0.763941
ENSMUSG00000062753.15,Smim29,protein_coding	-0.0978	0.740834
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ENSMUSG00000005949.10,Ctns,protein_coding	-0.0978	0.553926
ENSMUSG00000032131.17,Abcg4,protein_coding	-0.0978	0.738336
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ENSMUSG00000042903.9,Foxo4,protein_coding	-0.0979	0.571152
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ENSMUSG00000054708.18,Ankrd24,protein_coding	-0.0979	0.751366
ENSMUSG00000031161.16,Hdac6,protein_coding	-0.098	0.643267
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ENSMUSG00000060534.17,Dcc,protein_coding	-0.0982	0.809038
ENSMUSG00000105771.2,2900064K03Rik,TEC	-0.0982	0.847128
ENSMUSG00000032583.8,Mon1a,protein_coding	-0.0983	0.758006
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ENSMUSG00000042138.10,Msantd2,protein_coding	-0.0983	0.662912
ENSMUSG00000030774.14,Pak1,protein_coding	-0.0983	0.655601
ENSMUSG00000027849.20,Syt6,protein_coding	-0.0984	0.821524
ENSMUSG00000027087.12,Itgav,protein_coding	-0.0984	0.560206
ENSMUSG00000064329.15,Scn1a,protein_coding	-0.0984	0.583802
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ENSMUSG00000021832.9,Psmc6,protein_coding	-0.0989	0.620485
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ENSMUSG00000051515.12,Fam181b,protein_coding	-0.0991	0.720096
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ENSMUSG00000029462.19,Vps29,protein_coding	-0.0991	0.490405
ENSMUSG00000038670.12,Mybpc2,protein_coding	-0.0992	0.933737
ENSMUSG00000026923.16,Notch1,protein_coding	-0.0992	0.619739
ENSMUSG00000036097.10,Slf2,protein_coding	-0.0993	0.573142
ENSMUSG00000106720.2,Gm43795,TEC	-0.0994	0.764177
ENSMUSG00000049807.17,Arhgap23,protein_coding	-0.0994	0.667173
ENSMUSG00000033940.9,Brk1,protein_coding	-0.0995	0.621569
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ENSMUSG00000035606.9,Ky,protein_coding	-0.0996	0.834999
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ENSMUSG00000105601.2,Gm42725,TEC	-0.1005	0.78282
ENSMUSG00000079965.3,Gm14853,processed_pseudogene	-0.1005	0.892879
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ENSMUSG00000027330.17,Cdc25b,protein_coding	-0.1007	0.74165
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ENSMUSG00000024846.7,Cst6,protein_coding	-0.1007	0.894428
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ENSMUSG00000015755.17,Tab2,protein_coding	-0.1026	0.58847
ENSMUSG00000031864.17,Ints10,protein_coding	-0.1026	0.629358
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ENSMUSG00000039357.3,Fut11,protein_coding	-0.1027	0.645968
ENSMUSG00000017478.16,Zc3h18,protein_coding	-0.1028	0.566695
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ENSMUSG00000058230.14,Arhgap35,protein_coding	-0.1029	0.550334
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ENSMUSG00000029638.18,Glcci1,protein_coding	-0.1033	0.70933
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ENSMUSG00000035045.18,Zc3h12b,protein_coding	-0.1035	0.673123
ENSMUSG00000029169.12,Dhx15,protein_coding	-0.1035	0.735032
ENSMUSG00000118239.2,Gm50107,lncRNA	-0.1035	0.60548
ENSMUSG00000020385.17,Clk4,protein_coding	-0.1035	0.689338
ENSMUSG00000001844.11,Zdhhc4,protein_coding	-0.1037	0.652158
ENSMUSG00000039599.17,Fam149b,protein_coding	-0.1037	0.568257
ENSMUSG00000041685.18,Fcho2,protein_coding	-0.1037	0.706055
ENSMUSG00000106841.2,Gm42656,TEC	-0.1037	0.800299
ENSMUSG00000040297.13,Suco,protein_coding	-0.1038	0.647208
ENSMUSG00000024384.5,Iws1,protein_coding	-0.1039	0.607222
ENSMUSG00000133162.1,ENSMUSG00000133162,lncRNA	-0.1039	0.734093
ENSMUSG00000023020.4,Cox14,protein_coding	-0.1039	0.5739
ENSMUSG00000068114.8,Ccdc134,protein_coding	-0.104	0.718202
ENSMUSG00000120310.2,Gm56728,lncRNA	-0.104	0.659342
ENSMUSG00000020519.6,Sap30l,protein_coding	-0.104	0.680203
ENSMUSG00000063410.9,Stk24,protein_coding	-0.1041	0.521743
ENSMUSG00000032615.15,Nt5m,protein_coding	-0.1041	0.716149
ENSMUSG00000016477.19,E2f3,protein_coding	-0.1041	0.591676
ENSMUSG00000051864.11,Tbc1d22a,protein_coding	-0.1041	0.600212
ENSMUSG00000025731.17,Mettl26,protein_coding	-0.1041	0.814716
ENSMUSG00000021676.11,Iqgap2,protein_coding	-0.1041	0.773908
ENSMUSG00000087651.4,1500009L16Rik,protein_coding	-0.1042	0.685421
ENSMUSG00000035232.9,Pdk3,protein_coding	-0.1042	0.550831
ENSMUSG00000032308.10,Ulk3,protein_coding	-0.1043	0.647865
ENSMUSG00000055333.15,Fat2,protein_coding	-0.1043	0.935477
ENSMUSG00000141119.1,ENSMUSG00000141119,lncRNA	-0.1043	0.860277
ENSMUSG00000020577.18,Tspan13,protein_coding	-0.1043	0.648636
ENSMUSG00000034848.18,Ttc21b,protein_coding	-0.1043	0.574933
ENSMUSG00000074909.6,Ranbp6,protein_coding	-0.1043	0.532099
ENSMUSG00000023066.11,Rttn,protein_coding	-0.1044	0.761105
ENSMUSG00000021079.17,Timm9,protein_coding	-0.1044	0.590488
ENSMUSG00000032555.11,Topbp1,protein_coding	-0.1044	0.851539
ENSMUSG00000030805.15,Stx4a,protein_coding	-0.1045	0.533102
ENSMUSG00000020261.16,Slc36a1,protein_coding	-0.1046	0.581583
ENSMUSG00000056999.17,Ide,protein_coding	-0.1046	0.434608
ENSMUSG00000070498.4,Tmem132b,protein_coding	-0.1047	0.73687
ENSMUSG00000025220.9,Oga,protein_coding	-0.1048	0.463643
ENSMUSG00000031644.20,Nek1,protein_coding	-0.1048	0.481033
ENSMUSG00000020228.12,Helb,protein_coding	-0.1048	0.817805
ENSMUSG00000002396.9,Ocel1,protein_coding	-0.1048	0.715215
ENSMUSG00000030431.9,Tmem238,protein_coding	-0.1049	0.862611
ENSMUSG00000019432.16,Ddx39b,protein_coding	-0.1049	0.587086
ENSMUSG00000022781.9,Pak2,protein_coding	-0.1049	0.645436
ENSMUSG00000040310.13,Alx4,protein_coding	-0.105	0.802015
ENSMUSG00000055531.13,Cpsf6,protein_coding	-0.105	0.69703

ENSMUSG00000032563.17,Mrpl3,protein_coding	-0.105	0.445999
ENSMUSG00000037251.6,Pomk,protein_coding	-0.1051	0.624365
ENSMUSG00000032373.16,Car12,protein_coding	-0.1052	0.770037
ENSMUSG00000081424.2,Gm14774,processed_pseudogene	-0.1052	0.815959
ENSMUSG00000031696.10,Vps35,protein_coding	-0.1052	0.571848
ENSMUSG00000110234.3,Gm45799,protein_coding	-0.1053	0.810814
ENSMUSG00000059040.6,Eno1b,protein_coding	-0.1053	0.625631
ENSMUSG00000121583.1,Gm57852,protein_coding	-0.1053	0.662403
ENSMUSG00000024695.17,Zfp91,protein_coding	-0.1054	0.492158
ENSMUSG00000026663.7,Atf6,protein_coding	-0.1054	0.523941
ENSMUSG00000032264.10,Zw10,protein_coding	-0.1054	0.700995
ENSMUSG00000037148.9,Arhgap10,protein_coding	-0.1054	0.678086
ENSMUSG00000021474.10,Sfxn1,protein_coding	-0.1054	0.531235
ENSMUSG00000043424.11,Eif3j2,protein_coding	-0.1055	0.744277
ENSMUSG00000029840.9,Mtpn,protein_coding	-0.1055	0.693793
ENSMUSG00000085526.4,Gm16083,lncRNA	-0.1055	0.765513
ENSMUSG00000005936.20,Kctd20,protein_coding	-0.1055	0.414773
ENSMUSG00000027784.11,Ppm1l,protein_coding	-0.1055	0.62977
ENSMUSG00000024260.16,Sap130,protein_coding	-0.1056	0.45699
ENSMUSG00000026377.13,Nifk,protein_coding	-0.1056	0.668249
ENSMUSG00000023885.10,Thbs2,protein_coding	-0.1057	0.729937
ENSMUSG00000021963.18,Sap18,protein_coding	-0.1057	0.44075
ENSMUSG00000016018.5,Mtrex,protein_coding	-0.1057	0.526243
ENSMUSG00000021420.14,Fars2,protein_coding	-0.1057	0.599856
ENSMUSG00000024887.11,Asah2,protein_coding	-0.1057	0.727228
ENSMUSG00000113349.2,Gm48369,TEC	-0.1058	0.702389
ENSMUSG00000027281.17,Slx4ip,protein_coding	-0.1058	0.562143
ENSMUSG00000030335.7,Mrpl51,protein_coding	-0.1059	0.532717
ENSMUSG00000037514.19,Pank2,protein_coding	-0.1059	0.399191
ENSMUSG00000050619.15,Zscan29,protein_coding	-0.106	0.728253
ENSMUSG00000113975.4,Gm36372,lncRNA	-0.106	0.869974
ENSMUSG00000107932.2,Gm44432,TEC	-0.106	0.811926
ENSMUSG00000143383.1,ENSMUSG00000143383,lncRNA	-0.106	0.797037
ENSMUSG00000004609.12,Cd33,protein_coding	-0.1061	0.799347
ENSMUSG00000090086.10,AI480526,lncRNA	-0.1061	0.68081
ENSMUSG00000038349.11,Plcl1,protein_coding	-0.1061	0.594163
ENSMUSG00000109725.2,Gm45265,TEC	-0.1062	0.824868
ENSMUSG00000035367.10,Rmi1,protein_coding	-0.1062	0.684597
ENSMUSG00000042508.17,Dmtf1,protein_coding	-0.1063	0.600586
ENSMUSG00000045053.3,Kcng3,protein_coding	-0.1063	0.83902
ENSMUSG00000120353.2,Gm56492,lncRNA	-0.1063	0.667087
ENSMUSG00000032612.15,Usp4,protein_coding	-0.1063	0.404832
ENSMUSG00000141777.1,ENSMUSG00000141777,lncRNA	-0.1063	0.89818
ENSMUSG00000019734.17,Tmc4,protein_coding	-0.1063	0.793425
ENSMUSG00000104973.3,A530041M06Rik,lncRNA	-0.1064	0.725245
ENSMUSG00000114621.3,Gm31107,lncRNA	-0.1064	0.834562
ENSMUSG00000121050.1,Gm57047,lncRNA	-0.1065	0.68033
ENSMUSG00000024238.16,Zeb1,protein_coding	-0.1066	0.422366
ENSMUSG00000015672.5,Mrpl32,protein_coding	-0.1066	0.538782
ENSMUSG00000096433.3,Zfp994,protein_coding	-0.1066	0.796548
ENSMUSG00000064585.3,Gm25129,snoRNA	-0.1067	0.840596
ENSMUSG00000029536.9,Gatc,protein_coding	-0.1068	0.549062

ENSMUSG00000129100.1,ENSMUSG00000129100,lncRNA	-0.1068	0.696865
ENSMUSG00000031527.8,Eri1,protein_coding	-0.1068	0.762033
ENSMUSG00000103493.2,Gm37411,TEC	-0.1068	0.664329
ENSMUSG00000036040.15,Adamtsl2,protein_coding	-0.1068	0.786957
ENSMUSG00000039419.18,Cntnap2,protein_coding	-0.1069	0.613589
ENSMUSG00000121607.1,Nlgn4l,protein_coding	-0.1069	0.539247
ENSMUSG00000034990.16,Otoa,protein_coding	-0.1069	0.79642
ENSMUSG00000068117.11,Mei1,protein_coding	-0.1069	0.864707
ENSMUSG00000040724.6,Kcna2,protein_coding	-0.107	0.550222
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ENSMUSG00000021608.16,Lpcat1,protein_coding	-0.107	0.465258
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ENSMUSG00000037851.15,Iars1,protein_coding	-0.1071	0.69258
ENSMUSG00000034243.18,Golgb1,protein_coding	-0.1072	0.444527
ENSMUSG00000025034.10,Trim8,protein_coding	-0.1072	0.537124
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ENSMUSG00000064853.3,Gm23442,snoRNA	-0.1072	0.732536
ENSMUSG00000014075.16,Dynlt2b,protein_coding	-0.1073	0.571512
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ENSMUSG00000023345.18,Poc1a,protein_coding	-0.1074	0.756174
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ENSMUSG00000041361.15,Myzap,protein_coding	-0.1075	0.891548
ENSMUSG00000041842.16,Fhdc1,protein_coding	-0.1076	0.785063
ENSMUSG00000115381.2,Gm49266,TEC	-0.1076	0.802668
ENSMUSG00000027469.17,Tpx2,protein_coding	-0.1076	0.916694
ENSMUSG00000007653.13,Gabrb2,protein_coding	-0.1076	0.631945
ENSMUSG00000026466.17,Tor1aip1,protein_coding	-0.1076	0.678218
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ENSMUSG00000031357.4,Syap1,protein_coding	-0.1079	0.596452
ENSMUSG00000019868.17,Vta1,protein_coding	-0.108	0.559054
ENSMUSG00000037363.10,Letm2,protein_coding	-0.108	0.5838
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ENSMUSG00000025358.17,Cdk2,protein_coding	-0.1081	0.908712
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ENSMUSG00000039630.11,Hnrnpu,protein_coding	-0.1082	0.632484
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ENSMUSG00000039585.16,Myo9a,protein_coding	-0.1084	0.522388
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ENSMUSG00000018995.13,Nars2,protein_coding	-0.1089	0.664471
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ENSMUSG00000036391.17,Sec24a,protein_coding	-0.109	0.562436
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ENSMUSG00000041889.8,Shisa4,protein_coding	-0.109	0.706686
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ENSMUSG00000003500.14,Impdh1,protein_coding	-0.1091	0.732757
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ENSMUSG00000024781.17,Lipa,protein_coding	-0.1095	0.488204
ENSMUSG00000070283.5,Ndufaf3,protein_coding	-0.1095	0.70789
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ENSMUSG00000078902.4,Gm14443,protein_coding	-0.1097	0.724705
ENSMUSG00000033075.18,Senp1,protein_coding	-0.1097	0.751098
ENSMUSG00000026260.13,Ndufa10,protein_coding	-0.1097	0.561319
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ENSMUSG00000034252.15,Senp6,protein_coding	-0.11	0.70802
ENSMUSG00000026255.16,Efhd1,protein_coding	-0.11	0.60148
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ENSMUSG00000055452.7,Gm7353,processed_pseudogene	-0.11	0.752057
ENSMUSG00000029684.15,Wasl,protein_coding	-0.1101	0.615266
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ENSMUSG00000040121.6,Rep15,protein_coding	-0.1101	0.88188
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ENSMUSG00000015214.15,Mtmr1,protein_coding	-0.1102	0.517389
ENSMUSG00000020696.19,Rffl,protein_coding	-0.1102	0.620698
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ENSMUSG00000028187.11,Rpf1,protein_coding	-0.1102	0.783174
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ENSMUSG00000064061.14,Dzip3,protein_coding	-0.1104	0.55555
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ENSMUSG00000054619.8,Tmt1a,protein_coding	-0.1105	0.521272
ENSMUSG00000033953.11,Ppp3r1,protein_coding	-0.1105	0.739614
ENSMUSG00000118550.2,Gm52965,lncRNA	-0.1105	0.783845
ENSMUSG00000025246.14,Tbl1x,protein_coding	-0.1105	0.491543
ENSMUSG00000041112.19,Elmo1,protein_coding	-0.1105	0.502387
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ENSMUSG00000049562.7,Ap5b1,protein_coding	-0.1106	0.755255
ENSMUSG00000008226.15,Scrn3,protein_coding	-0.1106	0.548089
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ENSMUSG00000113032.2,Gm47578,lncRNA	-0.1107	0.831442
ENSMUSG00000052512.19,Nav2,protein_coding	-0.1107	0.677842
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ENSMUSG00000029427.13,Zcchc8,protein_coding	-0.1109	0.568287
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ENSMUSG00000029094.13,Afap1,protein_coding	-0.111	0.553989
ENSMUSG00000005687.15,Bcas2,protein_coding	-0.111	0.455574
ENSMUSG00000040003.19,Magi2,protein_coding	-0.111	0.593969
ENSMUSG00000056608.15,Chd9,protein_coding	-0.1111	0.466849
ENSMUSG00000014418.17,Hps5,protein_coding	-0.1111	0.622274

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ENSMUSG00000003279.18,Dlgap1,protein_coding	-0.1111	0.684623
ENSMUSG00000026739.14,Bmi1,protein_coding	-0.1112	0.618633
ENSMUSG00000023953.10,Polh,protein_coding	-0.1113	0.797928
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ENSMUSG00000057766.15,Ankrd29,protein_coding	-0.1113	0.673659
ENSMUSG00000106798.2,Gm43275,TEC	-0.1113	0.690026
ENSMUSG00000074102.5,Rbm15b,protein_coding	-0.1114	0.504559
ENSMUSG00000024293.17,Esco1,protein_coding	-0.1114	0.7147
ENSMUSG00000108519.2,4833421K07Rik,TEC	-0.1115	0.79988
ENSMUSG00000027615.15,Hps3,protein_coding	-0.1115	0.587214
ENSMUSG00000028811.13,Yars1,protein_coding	-0.1115	0.576022
ENSMUSG00000097354.10,2310001H17Rik,lncRNA	-0.1116	0.924153
ENSMUSG00000024002.19,Brd4,protein_coding	-0.1117	0.407144
ENSMUSG00000131125.1,ENSMUSG00000131125,lncRNA	-0.1117	0.687237
ENSMUSG00000033769.17,Exoc6b,protein_coding	-0.1118	0.421791
ENSMUSG00000003228.10,Grk5,protein_coding	-0.1118	0.462358
ENSMUSG00000028577.14,Plaa,protein_coding	-0.1118	0.546381
ENSMUSG00000027374.13,Mrps5,protein_coding	-0.1118	0.465522
ENSMUSG00000040010.11,Slc7a5,protein_coding	-0.1118	0.811146
ENSMUSG00000059213.8,Ddn,protein_coding	-0.1119	0.81622
ENSMUSG00000045658.17,Pid1,protein_coding	-0.1119	0.566452
ENSMUSG00000036641.10,Ccdc148,protein_coding	-0.1119	0.718083
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ENSMUSG00000026655.16,Fam107b,protein_coding	-0.1119	0.839729
ENSMUSG00000071252.7,2210408I21Rik,protein_coding	-0.1119	0.549881
ENSMUSG00000073434.13,Wdr90,protein_coding	-0.1119	0.613548
ENSMUSG00000039114.17,Nrn1,protein_coding	-0.112	0.681459
ENSMUSG00000024304.15,Cdh2,protein_coding	-0.112	0.424567
ENSMUSG00000026094.15,Stk17b,protein_coding	-0.112	0.86105
ENSMUSG00000106537.2,Gm43502,TEC	-0.1122	0.773509
ENSMUSG00000091586.3,Cyp4f17,protein_coding	-0.1122	0.765011
ENSMUSG00000042202.16,Slc35e2,protein_coding	-0.1122	0.35548
ENSMUSG00000016534.16,Lamp2,protein_coding	-0.1122	0.706608
ENSMUSG00000017978.20,Cadps2,protein_coding	-0.1123	0.749812
ENSMUSG00000144135.1,ENSMUSG00000144135,lncRNA	-0.1123	0.792039
ENSMUSG00000091199.12,Gm2619,lncRNA	-0.1123	0.953293
ENSMUSG00000058317.13,Ube2e2,protein_coding	-0.1123	0.615623
ENSMUSG00000124507.1,ENSMUSG00000124507,lncRNA	-0.1124	0.850792
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ENSMUSG00000017446.15,C1qtnf1,protein_coding	-0.1127	0.72304
ENSMUSG00000003190.13,Bcl2l12,protein_coding	-0.1127	0.877145
ENSMUSG00000030516.15,Tjp1,protein_coding	-0.1128	0.491127
ENSMUSG00000093536.8,Smim17,protein_coding	-0.1128	0.770668
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ENSMUSG00000021468.9,Sptlc1,protein_coding	-0.1137	0.441052
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ENSMUSG00000097277.10,2900076A07Rik,lncRNA	-0.1138	0.681321
ENSMUSG00000032892.15,Rangrf,protein_coding	-0.1138	0.793948
ENSMUSG00000046280.10,She,protein_coding	-0.1139	0.714502
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ENSMUSG00000129409.1,ENSMUSG00000129409,lncRNA	-0.1139	0.832527
ENSMUSG00000103952.2,Gm37268,TEC	-0.114	0.83327
ENSMUSG00000112338.2,Gm47693,TEC	-0.114	0.839202
ENSMUSG00000025959.14,Klf7,protein_coding	-0.114	0.497054
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ENSMUSG00000041057.11,Wdr43,protein_coding	-0.114	0.770377
ENSMUSG00000120362.2,2810449D17Rik,lncRNA	-0.114	0.814852
ENSMUSG00000057113.14,Npm1,protein_coding	-0.1141	0.846114
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ENSMUSG00000034107.11,Ano7,protein_coding	-0.1142	0.985215
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ENSMUSG00000038538.18,Ubn2,protein_coding	-0.1143	0.581546
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ENSMUSG00000002748.8,Baz1b,protein_coding	-0.1144	0.429665

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ENSMUSG00000035024.18,Ncapd3,protein_coding	-0.1145	0.465585
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ENSMUSG00000035248.10,Tut7,protein_coding	-0.1147	0.441569
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ENSMUSG00000038074.17,Fkbp14,protein_coding	-0.1178	0.552667
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ENSMUSG00000002055.10,Spag5,protein_coding	-0.1185	0.707897
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ENSMUSG00000022185.20,Acin1,protein_coding	-0.1187	0.50126
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ENSMUSG00000022681.16,Ntan1,protein_coding	-0.1192	0.524727
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ENSMUSG00000025986.7,Slc39a10,protein_coding	-0.1196	0.633834
ENSMUSG00000060166.7,Zdhhc8,protein_coding	-0.1197	0.68413
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ENSMUSG00000043633.7,Fam221b,protein_coding	-0.1198	0.757394
ENSMUSG00000078967.6,Gapdh-ps16,processed_pseudogene	-0.1198	0.844694
ENSMUSG00000025423.17,Pias2,protein_coding	-0.1199	0.359755
ENSMUSG00000110928.2,Gm48114,TEC	-0.1199	0.759784
ENSMUSG00000024560.8,Cxxc1,protein_coding	-0.1199	0.589867
ENSMUSG00000078994.10,Zfp429,protein_coding	-0.1199	0.849764
ENSMUSG00000021772.16,Nkiras1,protein_coding	-0.1199	0.530738
ENSMUSG00000027810.15,Eif2a,protein_coding	-0.1199	0.61506
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ENSMUSG00000026353.10,Ubxn4,protein_coding	-0.12	0.445984
ENSMUSG00000137091.1,ENSMUSG00000137091,lncRNA	-0.1201	0.670604
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ENSMUSG00000035069.4,Oma1,protein_coding	-0.1202	0.666325
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ENSMUSG00000079659.6,Tmem243,protein_coding	-0.1203	0.701528
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ENSMUSG00000024502.11,Jakmip2,protein_coding	-0.1212	0.531617
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ENSMUSG00000067873.12,Htatsf1,protein_coding	-0.1218	0.447275
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ENSMUSG00000027637.4,Rab5if,protein_coding	-0.1224	0.540261
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ENSMUSG00000028545.14,Bend5,protein_coding	-0.1235	0.772489
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ENSMUSG00000028609.7,Magoh,protein_coding	-0.1237	0.766156
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ENSMUSG00000029151.15,Slc30a3,protein_coding	-0.1291	0.748436

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ENSMUSG00000113710.3,Gm38577,lncRNA	-0.1296	0.864286
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ENSMUSG00000042064.14,Myo3b,protein_coding	-0.1302	0.850073
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ENSMUSG00000091811.3,Inafm1,protein_coding	-0.1384	0.61745
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ENSMUSG00000075184.6,F930017D23Rik,lncRNA	-0.1385	0.912685
ENSMUSG00000114535.2,Gm47246,TEC	-0.1385	0.62514
ENSMUSG00000115837.2,9130002K18Rik,TEC	-0.1385	0.742568
ENSMUSG00000032415.15,Ube3d,protein_coding	-0.1385	0.663726
ENSMUSG00000078653.5,Cntd1,protein_coding	-0.1385	0.821376
ENSMUSG00000015879.9,Fam184b,protein_coding	-0.1386	0.683076
ENSMUSG00000120130.2,Gm56640,lncRNA	-0.1386	0.830971
ENSMUSG00000074766.11,Ism1,protein_coding	-0.1386	0.736222
ENSMUSG00000049176.17,Frmpd4,protein_coding	-0.1387	0.590315
ENSMUSG00000106237.2,Gm8066,lncRNA	-0.1387	0.820022
ENSMUSG00000034621.15,Gpatch8,protein_coding	-0.1387	0.372176
ENSMUSG00000106049.2,Gm43019,TEC	-0.1387	0.714022
ENSMUSG00000047221.6,Fam185a,protein_coding	-0.1387	0.469143
ENSMUSG00000046434.17,Hnrnpa1,protein_coding	-0.1388	0.596722
ENSMUSG00000034673.15,Pbx2,protein_coding	-0.1388	0.433456
ENSMUSG00000097545.10,Mir124a-1hg,lncRNA	-0.1388	0.685368
ENSMUSG00000037112.17,Sik2,protein_coding	-0.1389	0.50738
ENSMUSG00000063406.12,Tmed5,protein_coding	-0.1389	0.76066
ENSMUSG00000042032.14,Mat2b,protein_coding	-0.1389	0.529915
ENSMUSG00000020029.7,Nudt4,protein_coding	-0.139	0.513187
ENSMUSG00000085125.9,Gm16070,lncRNA	-0.139	0.685758
ENSMUSG00000024081.10,Cebpz,protein_coding	-0.139	0.601304
ENSMUSG00000047797.15,Gjb1,protein_coding	-0.139	0.641161
ENSMUSG00000028318.15,Polr1e,protein_coding	-0.1391	0.74324
ENSMUSG00000033610.17,Pank1,protein_coding	-0.1391	0.358355
ENSMUSG00000027130.16,Slc12a6,protein_coding	-0.1391	0.548844
ENSMUSG00000024537.6,Psmg2,protein_coding	-0.1392	0.664524
ENSMUSG00000035161.8,Ints6,protein_coding	-0.1392	0.533874
ENSMUSG00000126929.1,ENSMUSG00000126929,lncRNA	-0.1392	0.79717
ENSMUSG00000027195.11,Hsd17b12,protein_coding	-0.1393	0.593509
ENSMUSG00000029202.13,Pds5a,protein_coding	-0.1393	0.650402
ENSMUSG00000027569.16,Mrgbp,protein_coding	-0.1393	0.486466
ENSMUSG00000106516.2,Gm42441,TEC	-0.1393	0.741284
ENSMUSG00000020653.13,Klf11,protein_coding	-0.1393	0.634806
ENSMUSG00000105766.2,Gm19666,TEC	-0.1394	0.813962
ENSMUSG00000019961.18,Tmpo,protein_coding	-0.1394	0.773419
ENSMUSG00000067369.13,Trmt2b,protein_coding	-0.1395	0.475678
ENSMUSG00000027804.14,Ppid,protein_coding	-0.1395	0.419481
ENSMUSG00000081739.4,Mdm4-ps,processed_pseudogene	-0.1396	0.79267
ENSMUSG00000032238.18,Rora,protein_coding	-0.1396	0.657885
ENSMUSG00000024256.8,Adcyap1,protein_coding	-0.1396	0.696559
ENSMUSG00000060601.14,Nr1h2,protein_coding	-0.1397	0.502486
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ENSMUSG00000035086.14,Becn1,protein_coding	-0.1398	0.272597
ENSMUSG00000031101.7,Sash3,protein_coding	-0.1398	0.904531
ENSMUSG00000073176.5,Zfp449,protein_coding	-0.1398	0.532231
ENSMUSG00000025732.7,Mcrip2,protein_coding	-0.1398	0.720933
ENSMUSG00000026248.10,Mrpl44,protein_coding	-0.1398	0.618521
ENSMUSG00000024498.17,Tcerg1,protein_coding	-0.1399	0.362096
ENSMUSG00000038069.7,Cdkn2aip,protein_coding	-0.14	0.553624
ENSMUSG00000021555.16,Naa35,protein_coding	-0.14	0.315363
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ENSMUSG00000071302.11,Zfp1006,protein_coding	-0.1401	0.550858
ENSMUSG00000044827.11,Tlr1,protein_coding	-0.1401	0.877189
ENSMUSG00000134426.1,ENSMUSG00000134426,lncRNA	-0.1402	0.767928
ENSMUSG00000107556.2,Gm44237,TEC	-0.1402	0.744987
ENSMUSG00000036061.11,Smug1,protein_coding	-0.1403	0.452105
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ENSMUSG00000058392.14,Rrp1b,protein_coding	-0.1404	0.641915
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ENSMUSG00000037720.17,Tmem33,protein_coding	-0.1405	0.517514
ENSMUSG00000105332.2,Gm43316,TEC	-0.1405	0.777565
ENSMUSG00000036377.21,Cracd,protein_coding	-0.1405	0.596157
ENSMUSG00000042659.16,Arrdc4,protein_coding	-0.1406	0.662525
ENSMUSG00000028382.16,Ptbp3,protein_coding	-0.1406	0.793863
ENSMUSG00000045822.5,Zswim3,protein_coding	-0.1407	0.671786
ENSMUSG00000052962.4,Mrpl35,protein_coding	-0.1407	0.435755
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ENSMUSG00000084088.2,Gm12941,processed_pseudogene	-0.1407	0.863373
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ENSMUSG00000025597.14,Klhl4,protein_coding	-0.1408	0.552631
ENSMUSG00000018583.6,G3bp1,protein_coding	-0.1409	0.63375
ENSMUSG00000036533.10,Cdc42ep3,protein_coding	-0.1409	0.613192
ENSMUSG00000075033.5,Nxpe3,protein_coding	-0.1409	0.562856
ENSMUSG00000021482.11,Prxl2c,protein_coding	-0.141	0.47681
ENSMUSG00000031990.16,Jam3,protein_coding	-0.141	0.443792
ENSMUSG00000118663.1,Afg2b,protein_coding	-0.1411	0.603683
ENSMUSG00000034974.14,Dapk3,protein_coding	-0.1411	0.578884
ENSMUSG00000030965.20,Abraxas2,protein_coding	-0.1411	0.472441
ENSMUSG00000041439.16,Mfsd6,protein_coding	-0.1411	0.420537
ENSMUSG00000031872.15,Bean1,protein_coding	-0.1412	0.696823
ENSMUSG00000110205.2,Gm33594,lncRNA	-0.1412	0.821043
ENSMUSG00000035878.14,Hykk,protein_coding	-0.1412	0.577999
ENSMUSG00000001103.8,Sebox,protein_coding	-0.1414	0.759822
ENSMUSG00000025283.16,Sat1,protein_coding	-0.1415	0.608822
ENSMUSG00000040855.16,Reps2,protein_coding	-0.1415	0.598422
ENSMUSG00000103129.2,Gm37393,TEC	-0.1416	0.776165
ENSMUSG00000054766.14,Set,protein_coding	-0.1416	0.584685
ENSMUSG00000108572.2,Gm44883,TEC	-0.1416	0.775931
ENSMUSG00000034751.18,Mast4,protein_coding	-0.1416	0.348948
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ENSMUSG00000111361.2,Gm47445,TEC	-0.1417	0.860078
ENSMUSG00000119996.2,Gm57286,lncRNA	-0.1417	0.65067
ENSMUSG00000137098.1,ENSMUSG00000137098,lncRNA	-0.1417	0.858264
ENSMUSG00000018068.14,Ints2,protein_coding	-0.1418	0.505882
ENSMUSG00000121178.2,Gm56874,lncRNA	-0.1419	0.855074
ENSMUSG00000038127.16,Ccdc50,protein_coding	-0.1419	0.569608
ENSMUSG00000019892.14,Lrriq1,protein_coding	-0.142	0.584052
ENSMUSG00000033478.7,Fhip2a,protein_coding	-0.142	0.315698
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ENSMUSG00000026803.18,Ttf1,protein_coding	-0.1439	0.454173
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ENSMUSG00000031788.15,Kifc3,protein_coding	-0.1464	0.645268
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ENSMUSG00000049489.6,Ccnq,protein_coding	-0.1473	0.656821
ENSMUSG00000032434.10,Cmtm6,protein_coding	-0.1474	0.601001
ENSMUSG00000026620.12,Mark1,protein_coding	-0.1474	0.562735
ENSMUSG00000021936.15,Mapk8,protein_coding	-0.1476	0.488144
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ENSMUSG00000044408.8,Sptssa,protein_coding	-0.1479	0.666561
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ENSMUSG00000116987.4,Gm49625,lncRNA	-0.148	0.861055
ENSMUSG00000121053.2,Gm56593,lncRNA	-0.1481	0.637927
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ENSMUSG00000103889.2,Gm37011,TEC	-0.1482	0.726659
ENSMUSG00000127456.2,ENSMUSG00000127456,lncRNA	-0.1482	0.533812
ENSMUSG00000111425.2,Gm47324,processed_pseudogene	-0.1483	0.836975
ENSMUSG00000041736.8,Tspo,protein_coding	-0.1483	0.847164
ENSMUSG00000121717.1,ENSMUSG00000121717,lncRNA	-0.1484	0.580733
ENSMUSG00000035673.11,Sbno2,protein_coding	-0.1484	0.690838
ENSMUSG00000029208.17,Guf1,protein_coding	-0.1484	0.494024

ENSMUSG00000140964.1,ENSMUSG00000140964,lncRNA	-0.1485	0.720493
ENSMUSG00000027519.11,Rab22a,protein_coding	-0.1485	0.208197
ENSMUSG00000032803.16,Cdv3,protein_coding	-0.1485	0.526862
ENSMUSG00000027635.16,Dsn1,protein_coding	-0.1486	0.827759
ENSMUSG00000051041.9,Olfml1,protein_coding	-0.1486	0.573369
ENSMUSG00000068151.11,A230006K03Rik,lncRNA	-0.1486	0.600415
ENSMUSG00000062931.16,Zfp938,protein_coding	-0.1488	0.607736
ENSMUSG00000089791.2,Gm3555,processed_pseudogene	-0.1488	0.701704
ENSMUSG00000121280.1,Gm57189,lncRNA	-0.1488	0.715014
ENSMUSG00000022174.9,Dad1,protein_coding	-0.1489	0.44575
ENSMUSG00000051978.10,Erich1,protein_coding	-0.149	0.676928
ENSMUSG00000000295.14,Hddc2,protein_coding	-0.149	0.639966
ENSMUSG00000104257.2,Gm20172,TEC	-0.149	0.75461
ENSMUSG00000130242.1,ENSMUSG00000130242,lncRNA	-0.149	0.882241
ENSMUSG00000105979.2,Gm43411,TEC	-0.1491	0.719292
ENSMUSG00000040940.19,Arhgef1,protein_coding	-0.1491	0.661821
ENSMUSG00000022075.8,Rhobtb2,protein_coding	-0.1492	0.498329
ENSMUSG00000057280.17,Musk,protein_coding	-0.1492	0.769379
ENSMUSG00000031750.16,Il34,protein_coding	-0.1493	0.699266
ENSMUSG00000097290.11,1300002E11Rik,lncRNA	-0.1493	0.615128
ENSMUSG00000102157.2,Gm37470,TEC	-0.1493	0.676733
ENSMUSG00000108040.2,Gm43900,TEC	-0.1494	0.756351
ENSMUSG00000042772.16,Smg7,protein_coding	-0.1494	0.207639
ENSMUSG00000032218.8,Ccnb2,protein_coding	-0.1495	0.90889
ENSMUSG00000108181.2,C030015A19Rik,TEC	-0.1495	0.559035
ENSMUSG00000027935.15,Rab13,protein_coding	-0.1496	0.679671
ENSMUSG00000028034.16,Fubp1,protein_coding	-0.1496	0.609395
ENSMUSG00000021338.18,Carmil1,protein_coding	-0.1496	0.338035
ENSMUSG00000085303.5,Gm16751,lncRNA	-0.1497	0.860813
ENSMUSG00000025759.12,Mfsd8,protein_coding	-0.1497	0.553912
ENSMUSG00000117694.2,Snhg4,protein_coding	-0.1497	0.905104
ENSMUSG00000041966.19,Dcaf17,protein_coding	-0.1498	0.485748
ENSMUSG00000114094.2,Gm48375,TEC	-0.1498	0.47383
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ENSMUSG00000062822.9,4833420G17Rik,protein_coding	-0.1499	0.466271
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ENSMUSG00000023947.9,Nfkbie,protein_coding	-0.1503	0.853885
ENSMUSG00000104374.2,Gm37517,TEC	-0.1503	0.772061
ENSMUSG00000028016.10,Ints12,protein_coding	-0.1503	0.539726
ENSMUSG00000004460.18,Dnajb11,protein_coding	-0.1504	0.401943
ENSMUSG00000058006.13,Mdn1,protein_coding	-0.1504	0.537194
ENSMUSG00000025439.6,Clns1a,protein_coding	-0.1504	0.387816
ENSMUSG00000103948.2,4930594C11Rik,TEC	-0.1504	0.716763
ENSMUSG00000022307.17,Oxr1,protein_coding	-0.1506	0.510703
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ENSMUSG00000056692.14,Ilrun,protein_coding	-0.1508	0.380468
ENSMUSG00000024259.10,Slc25a46,protein_coding	-0.1508	0.498644
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ENSMUSG00000051074.7,4930579K19Rik,lncRNA	-0.1509	0.739525
ENSMUSG00000108211.2,Gm44130,TEC	-0.1509	0.733917
ENSMUSG00000059027.17,9630013D21Rik,lncRNA	-0.1509	0.909036
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ENSMUSG00000028019.10,Pdgfc,protein_coding	-0.1513	0.616372
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ENSMUSG00000117875.2,Gm6789,processed_pseudogene	-0.1513	0.769899
ENSMUSG00000001403.14,Ube2c,protein_coding	-0.1513	0.910601
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ENSMUSG00000033799.11,Tasor2,protein_coding	-0.1517	0.627164
ENSMUSG00000025980.15,Hspd1,protein_coding	-0.1517	0.495751
ENSMUSG00000031631.16,Cfap97,protein_coding	-0.1517	0.499095
ENSMUSG00000026208.10,Des,protein_coding	-0.1518	0.803581
ENSMUSG00000063919.12,Srrm4,protein_coding	-0.1519	0.548559
ENSMUSG00000040714.15,Klc3,protein_coding	-0.152	0.792726
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ENSMUSG00000028438.17,Kif24,protein_coding	-0.1522	0.847327
ENSMUSG00000002393.15,Nr2f6,protein_coding	-0.1522	0.570086
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ENSMUSG00000050064.16,Zfp697,protein_coding	-0.1527	0.507434
ENSMUSG00000028709.4,Mob3c,protein_coding	-0.1527	0.686299
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ENSMUSG00000054237.7,Fra10ac1,protein_coding	-0.1528	0.44275
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ENSMUSG00000085254.2,Gm15881,processed_pseudogene	-0.1538	0.805936
ENSMUSG00000002007.6,Srpk3,protein_coding	-0.1538	0.815682
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ENSMUSG00000032560.15,Dnajc13,protein_coding	-0.1566	0.205436
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ENSMUSG00000045275.18,Lca5l,protein_coding	-0.1574	0.686245
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ENSMUSG00000052446.18,Zfp961,protein_coding	-0.1575	0.542494
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ENSMUSG00000027620.17,Rbm39,protein_coding	-0.1579	0.549881
ENSMUSG00000020814.14,Mxra7,protein_coding	-0.1579	0.606975
ENSMUSG00000019960.9,Dusp6,protein_coding	-0.158	0.608632
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ENSMUSG00000097497.4,Gm26652,lncRNA	-0.1585	0.715573
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ENSMUSG00000008604.12,Ubqln4,protein_coding	-0.1589	0.390783
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ENSMUSG00000111947.3,Gm47438,lncRNA	-0.1593	0.619198
ENSMUSG00000130420.1,ENSMUSG00000130420,lncRNA	-0.1593	0.768225
ENSMUSG00000113917.2,Gm48382,TEC	-0.1594	0.582618
ENSMUSG00000079184.11,Mphosph8,protein_coding	-0.1595	0.239365
ENSMUSG00000031626.19,Sorbs2,protein_coding	-0.1595	0.624456
ENSMUSG00000030718.10,Ppme1,protein_coding	-0.1595	0.576576
ENSMUSG00000105942.2,Gm43175,TEC	-0.1595	0.661226
ENSMUSG00000031379.14,Pir,protein_coding	-0.1595	0.650093
ENSMUSG00000033885.16,Pxk,protein_coding	-0.1595	0.284582

ENSMUSG00000031523.17,Dlc1,protein_coding	-0.1595	0.413288
ENSMUSG00000018377.11,Vezf1,protein_coding	-0.1596	0.404841
ENSMUSG00000061455.14,Stx17,protein_coding	-0.1596	0.281191
ENSMUSG00000004677.19,Myo9b,protein_coding	-0.1596	0.413826
ENSMUSG00000052395.18,Rft1,protein_coding	-0.1597	0.576669
ENSMUSG00000138670.1,ENSMUSG00000138670,lncRNA	-0.1599	0.805524
ENSMUSG00000027677.18,Ttc14,protein_coding	-0.1599	0.584095
ENSMUSG00000022828.11,Gtf2e1,protein_coding	-0.1599	0.453511
ENSMUSG00000035944.18,Ttc38,protein_coding	-0.16	0.575627
ENSMUSG00000024436.17,Mrps18b,protein_coding	-0.16	0.495745
ENSMUSG00000027671.15,Actl6a,protein_coding	-0.16	0.707346
ENSMUSG00000120554.2,Gm57268,lncRNA	-0.1601	0.677344
ENSMUSG00000050052.13,Tdrp,protein_coding	-0.1601	0.55029
ENSMUSG00000140102.1,ENSMUSG00000140102,lncRNA	-0.1602	0.922997
ENSMUSG00000021494.10,Ddx41,protein_coding	-0.1602	0.432271
ENSMUSG00000029521.8,Chek2,protein_coding	-0.1602	0.840204
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ENSMUSG00000038970.8,Lmtk2,protein_coding	-0.1603	0.46584
ENSMUSG00000032625.15,Thsd7a,protein_coding	-0.1604	0.495531
ENSMUSG00000046947.13,Adck2,protein_coding	-0.1604	0.533655
ENSMUSG00000034336.4,Ina,protein_coding	-0.1604	0.416076
ENSMUSG00000025492.7,Ifitm3,protein_coding	-0.1605	0.798567
ENSMUSG00000028476.14,Reck,protein_coding	-0.1606	0.428111
ENSMUSG00000032109.16,Nlrx1,protein_coding	-0.1606	0.647736
ENSMUSG00000070720.5,Tmem200b,protein_coding	-0.1608	0.75152
ENSMUSG00000079508.9,Apoo,protein_coding	-0.1609	0.59921
ENSMUSG00000111808.2,Gm18225,unprocessed_pseudogene	-0.1609	0.837331
ENSMUSG00000105287.2,Gm43577,lncRNA	-0.1609	0.646445
ENSMUSG00000042901.11,Aida,protein_coding	-0.1609	0.388512
ENSMUSG00000081270.2,Gm11653,processed_pseudogene	-0.161	0.795705
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ENSMUSG00000022706.17,Mrpl40,protein_coding	-0.161	0.540673
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ENSMUSG00000055660.10,Mettl4,protein_coding	-0.1612	0.504257
ENSMUSG00000039813.15,Tbc1d2,protein_coding	-0.1612	0.671695
ENSMUSG00000020715.10,Ern1,protein_coding	-0.1613	0.615293
ENSMUSG00000074024.8,4632427E13Rik,lncRNA	-0.1613	0.656857
ENSMUSG00000115263.3,Gm5089,lncRNA	-0.1613	0.621562
ENSMUSG00000050677.3,Ccdc96,protein_coding	-0.1613	0.72859
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ENSMUSG00000018899.18,Irf1,protein_coding	-0.1615	0.89133
ENSMUSG00000019872.14,Smpdl3a,protein_coding	-0.1615	0.483973
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ENSMUSG00000037845.15,Fdxacb1,protein_coding	-0.1618	0.599764
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ENSMUSG00000066643.13,Wdr35,protein_coding	-0.1618	0.406685
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ENSMUSG00000042564.15,Fam227a,protein_coding	-0.1618	0.534617
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ENSMUSG00000032705.10,Exd2,protein_coding	-0.162	0.513326
ENSMUSG00000021258.11,Ccnk,protein_coding	-0.162	0.394337
ENSMUSG00000059423.14,Zfp933,protein_coding	-0.1621	0.475736
ENSMUSG00000036815.18,Dpp10,protein_coding	-0.1621	0.501903
ENSMUSG00000089996.8,Tmsb15b2,protein_coding	-0.1621	0.756964
ENSMUSG00000108993.2,Gm44846,TEC	-0.1621	0.761509
ENSMUSG00000049097.10,Ankrd34a,protein_coding	-0.1621	0.623638
ENSMUSG00000041552.8,Ptchd1,protein_coding	-0.1622	0.54316
ENSMUSG00000024317.16,Rnf138,protein_coding	-0.1623	0.582331
ENSMUSG00000026254.18,Eif4e2,protein_coding	-0.1624	0.185895
ENSMUSG00000020589.18,Cyria,protein_coding	-0.1624	0.619141
ENSMUSG00000047789.6,Slc38a9,protein_coding	-0.1625	0.277153
ENSMUSG00000017421.19,Zfp207,protein_coding	-0.1625	0.474896
ENSMUSG00000000486.14,Septin1,protein_coding	-0.1625	0.86158
ENSMUSG00000140518.1,ENSMUSG00000140518,lncRNA	-0.1626	0.634912
ENSMUSG00000002428.13,Hltf,protein_coding	-0.1626	0.511116
ENSMUSG00000035004.4,Igsf6,protein_coding	-0.1626	0.845465
ENSMUSG00000112937.3,Gm17746,lncRNA	-0.1627	0.819654
ENSMUSG00000042726.15,Trafd1,protein_coding	-0.1627	0.330234
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ENSMUSG00000054640.17,Slc8a1,protein_coding	-0.1627	0.482515
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ENSMUSG00000055818.4,A230083G16Rik,lncRNA	-0.1629	0.567237
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ENSMUSG00000004535.13,Tax1bp1,protein_coding	-0.1631	0.328298
ENSMUSG00000038774.10,Ascc3,protein_coding	-0.1632	0.475833
ENSMUSG00000104037.2,Gm37776,TEC	-0.1632	0.624287
ENSMUSG00000068037.12,Mas1,protein_coding	-0.1632	0.776334
ENSMUSG00000021824.14,Ap3m1,protein_coding	-0.1632	0.415365
ENSMUSG00000108070.2,Gm43872,TEC	-0.1633	0.644213
ENSMUSG00000030218.3,Mgp,protein_coding	-0.1634	0.627133
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ENSMUSG00000060012.10,Kif13b,protein_coding	-0.1636	0.296707
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ENSMUSG00000058922.8,Gm10052,processed_pseudogene	-0.1683	0.727535
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ENSMUSG00000037833.15,Sh2d4b,protein_coding	-0.169	0.634036
ENSMUSG00000047033.3,Pcdhb15,protein_coding	-0.169	0.472545
ENSMUSG00000073374.6,C030034I22Rik,lncRNA	-0.1691	0.6399
ENSMUSG00000020325.11,Fstl3,protein_coding	-0.1691	0.771526
ENSMUSG00000042745.10,Id1,protein_coding	-0.1691	0.609763
ENSMUSG00000106265.2,Gm42490,TEC	-0.1692	0.661998
ENSMUSG00000060098.12,Prmt7,protein_coding	-0.1693	0.421842
ENSMUSG00000022176.12,Rem2,protein_coding	-0.1693	0.7221
ENSMUSG00000104284.2,Gm10862,lncRNA	-0.1693	0.577577
ENSMUSG00000027167.12,Elp4,protein_coding	-0.1693	0.437777

ENSMUSG00000064348.1,mt-Tn,Mt_tRNA	-0.1694	0.77074
ENSMUSG00000006010.15,Odr4,protein_coding	-0.1695	0.300831
ENSMUSG00000075514.7,Gm13375,lncRNA	-0.1695	0.504461
ENSMUSG00000135067.1,ENSMUSG00000135067,lncRNA	-0.1695	0.89585
ENSMUSG00000018442.14,Derl2,protein_coding	-0.1696	0.302996
ENSMUSG00000039682.13,Lap3,protein_coding	-0.1697	0.429183
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ENSMUSG00000020361.14,Hspa4,protein_coding	-0.1698	0.370662
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ENSMUSG00000021947.12,Cryl1,protein_coding	-0.1699	0.635149
ENSMUSG00000121787.2,Magef1,lncRNA	-0.17	0.567495
ENSMUSG00000006262.16,Mob1b,protein_coding	-0.17	0.479385
ENSMUSG00000110332.2,Gm19935,protein_coding	-0.17	0.749992
ENSMUSG00000022974.13,Paxbp1,protein_coding	-0.17	0.543931
ENSMUSG00000092118.2,Fancf,protein_coding	-0.17	0.699762
ENSMUSG00000015619.11,Gata3,protein_coding	-0.1701	0.846209
ENSMUSG00000025145.14,Lrrc45,protein_coding	-0.1701	0.601153
ENSMUSG00000031843.3,Mphosph6,protein_coding	-0.1701	0.643711
ENSMUSG00000083558.2,Gm12896,processed_pseudogene	-0.1702	0.883715
ENSMUSG00000034601.18,2700049A03Rik,protein_coding	-0.1702	0.598241
ENSMUSG00000098176.3,Ccdc166,protein_coding	-0.1703	0.641824
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ENSMUSG00000041205.9,Map6d1,protein_coding	-0.1703	0.451378
ENSMUSG00000046352.8,Gjb2,protein_coding	-0.1703	0.658024
ENSMUSG00000021707.6,Dhfr,protein_coding	-0.1705	0.740148
ENSMUSG00000008859.9,Rala,protein_coding	-0.1706	0.359542
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ENSMUSG00000028766.11,Alpl,protein_coding	-0.1719	0.72661
ENSMUSG00000020272.9,Stk10,protein_coding	-0.1719	0.588837
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ENSMUSG00000045215.19,Asxl3,protein_coding	-0.1723	0.53694
ENSMUSG00000042797.10,Aqp11,protein_coding	-0.1723	0.586134
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ENSMUSG00000024070.16,Prkd3,protein_coding	-0.1724	0.750081
ENSMUSG00000020137.6,Thap2,protein_coding	-0.1724	0.445417
ENSMUSG00000034912.19,Mdga2,protein_coding	-0.1725	0.441553
ENSMUSG00000039607.18,Rbms3,protein_coding	-0.1725	0.548264
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ENSMUSG00000104528.2,Gm43314,TEC	-0.1727	0.857744
ENSMUSG00000108500.2,Gm45033,TEC	-0.1728	0.686833
ENSMUSG00000001123.16,Lgals9,protein_coding	-0.1728	0.78229
ENSMUSG00000036469.17,Marchf1,protein_coding	-0.1729	0.527815
ENSMUSG00000028133.18,Rwdd3,protein_coding	-0.1729	0.444913
ENSMUSG00000109302.2,Gm44967,TEC	-0.1729	0.651081
ENSMUSG00000066026.15,Dhrs3,protein_coding	-0.1729	0.574702
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ENSMUSG00000017764.3,Zswim1,protein_coding	-0.173	0.369648
ENSMUSG00000073888.14,Ccl27a,protein_coding	-0.173	0.805341
ENSMUSG00000036022.16,Pabir2,protein_coding	-0.1731	0.546137
ENSMUSG00000021911.17,Parg,protein_coding	-0.1732	0.21068
ENSMUSG00000052534.16,Pbx1,protein_coding	-0.1732	0.37043
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ENSMUSG00000054752.18,Fsd1l,protein_coding	-0.1735	0.368581
ENSMUSG00000043279.10,Trim56,protein_coding	-0.1736	0.808853
ENSMUSG00000107937.2,Gm44200,lncRNA	-0.1736	0.704944
ENSMUSG00000128190.1,ENSMUSG00000128190,lncRNA	-0.1736	0.842734
ENSMUSG00000077698.3,Snord12,snoRNA	-0.1737	0.704401
ENSMUSG00000024325.9,Ring1,protein_coding	-0.1737	0.569572
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ENSMUSG00000044349.17,Snhg11,protein_coding	-0.1816	0.49291
ENSMUSG00000091474.3,2610021A01Rik,protein_coding	-0.1816	0.404448
ENSMUSG00000015451.18,C4a,protein_coding	-0.1818	0.739553
ENSMUSG00000037735.9,2810032G03Rik,lncRNA	-0.1818	0.661679
ENSMUSG00000042647.14,Acad12,protein_coding	-0.1819	0.63121
ENSMUSG00000058163.15,Gm5431,protein_coding	-0.1819	0.829301
ENSMUSG00000041774.17,Ydjc,protein_coding	-0.1819	0.674776
ENSMUSG00000034063.10,4930590J08Rik,protein_coding	-0.1819	0.584945
ENSMUSG00000112404.3,Gm32442,lncRNA	-0.1821	0.735787
ENSMUSG00000106206.2,Gm43094,TEC	-0.1821	0.818771
ENSMUSG00000029003.12,Mad2l2,protein_coding	-0.1822	0.65321
ENSMUSG00000104239.2,Gm37588,TEC	-0.1822	0.513081
ENSMUSG00000116508.4,Gm49463,lncRNA	-0.1822	0.748103
ENSMUSG00000097399.9,Gm26555,lncRNA	-0.1822	0.767791

ENSMUSG00000041849.8,Card6,protein_coding	-0.1823	0.763123
ENSMUSG00000022270.17,Retreg1,protein_coding	-0.1824	0.356079
ENSMUSG00000070336.4,Fbxo47,protein_coding	-0.1824	0.79062
ENSMUSG00000033669.9,Zfp7,protein_coding	-0.1824	0.452745
ENSMUSG00000027737.11,Slc7a11,protein_coding	-0.1825	0.514694
ENSMUSG00000029433.17,Diablo,protein_coding	-0.1826	0.468795
ENSMUSG00000040648.16,Ppip5k2,protein_coding	-0.1826	0.30791
ENSMUSG00000006931.16,P3h4,protein_coding	-0.1827	0.602464
ENSMUSG00000033453.9,Adamts15,protein_coding	-0.1828	0.488358
ENSMUSG00000021007.15,Spata7,protein_coding	-0.183	0.381901
ENSMUSG00000113841.2,Gm48701,TEC	-0.1831	0.585362
ENSMUSG00000041540.17,Sox5,protein_coding	-0.1831	0.491824
ENSMUSG00000039943.17,Plcb4,protein_coding	-0.1831	0.547649
ENSMUSG00000061232.17,H2-K1,protein_coding	-0.1832	0.846131
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ENSMUSG00000117399.3,Gm19689,lncRNA	-0.1832	0.690292
ENSMUSG00000025823.10,Pdia4,protein_coding	-0.1833	0.515919
ENSMUSG00000071072.13,Ptges3,protein_coding	-0.1833	0.418613
ENSMUSG00000119979.2,Gm57253,lncRNA	-0.1833	0.66041
ENSMUSG00000039903.19,Eva1c,protein_coding	-0.1835	0.64955
ENSMUSG00000040040.17,Ift88,protein_coding	-0.1835	0.241311
ENSMUSG00000020069.17,Hnrnph3,protein_coding	-0.1835	0.293891
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ENSMUSG00000030536.11,Iqgap1,protein_coding	-0.1836	0.590615
ENSMUSG00000072720.10,Myo18b,protein_coding	-0.1836	0.727185
ENSMUSG00000076431.5,Sox4,protein_coding	-0.1836	0.382944
ENSMUSG00000063727.4,Tnfrsf11b,protein_coding	-0.1837	0.613176
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ENSMUSG00000053332.16,Gas5,lncRNA	-0.1841	0.467861
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ENSMUSG00000043556.11,Fbxl7,protein_coding	-0.1846	0.582367
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ENSMUSG00000037221.14,Mospd3,protein_coding	-0.1849	0.538828
ENSMUSG00000104420.2,E230020A03Rik,TEC	-0.1849	0.568189
ENSMUSG00000016664.18,Pacsin2,protein_coding	-0.1849	0.407864
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ENSMUSG00000050321.4,Neto1,protein_coding	-0.1852	0.692769
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ENSMUSG00000024251.11,Thada,protein_coding	-0.1852	0.366487
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ENSMUSG00000069135.12,Cep43,protein_coding	-0.1856	0.463936
ENSMUSG00000031807.11,Pgls,protein_coding	-0.1856	0.64688
ENSMUSG00000025915.15,Sgk3,protein_coding	-0.1857	0.532442
ENSMUSG00000053580.17,Tanc2,protein_coding	-0.1857	0.481499
ENSMUSG00000072568.5,Lratd2,protein_coding	-0.1857	0.542181
ENSMUSG00000049892.8,Rasd1,protein_coding	-0.1858	0.75035
ENSMUSG00000061838.8,Suclg2,protein_coding	-0.1858	0.593215
ENSMUSG00000044147.9,Arf6,protein_coding	-0.1858	0.46938
ENSMUSG00000004056.17,Akt2,protein_coding	-0.1859	0.229652
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ENSMUSG00000070315.15,4930581F22Rik,lncRNA	-0.186	0.568402
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ENSMUSG00000074863.6,Platr25,protein_coding	-0.186	0.56071
ENSMUSG00000054423.16,Cadps,protein_coding	-0.1861	0.322856
ENSMUSG00000030443.17,Zfp583,protein_coding	-0.1861	0.367126
ENSMUSG00000114310.2,Gm48602,TEC	-0.1862	0.532437
ENSMUSG00000002812.5,Flii,protein_coding	-0.1862	0.415728
ENSMUSG00000079575.4,Rbpj-ps3,processed_pseudogene	-0.1863	0.44751
ENSMUSG00000030706.18,Mrpl48,protein_coding	-0.1863	0.200276
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ENSMUSG00000097063.6,Pantr2,lncRNA	-0.1866	0.623137
ENSMUSG00000089706.10,B230216N24Rik,lncRNA	-0.1866	0.611762
ENSMUSG00000096052.4,9930004E17Rik,lncRNA	-0.1866	0.703511
ENSMUSG00000106147.3,Snord3a,snoRNA	-0.1866	0.838527
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ENSMUSG00000093424.6,6330562C20Rik,lncRNA	-0.1902	0.711385
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ENSMUSG00000027248.14,Pdia3,protein_coding	-0.191	0.469586
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ENSMUSG00000028164.16,Manba,protein_coding	-0.1917	0.360794
ENSMUSG00000104436.2,Gm37423,lncRNA	-0.1918	0.632348
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ENSMUSG00000027030.16,Stk39,protein_coding	-0.1919	0.393178
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ENSMUSG00000060512.8,0610040J01Rik,protein_coding	-0.192	0.720388
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ENSMUSG00000057596.14,Trim30d,protein_coding	-0.1921	0.846149
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ENSMUSG00000028367.6,Txn1,protein_coding	-0.1926	0.68762
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ENSMUSG00000032724.6,Abtb2,protein_coding	-0.1929	0.528308
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ENSMUSG00000028145.10,Them4,protein_coding	-0.193	0.32028
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ENSMUSG00000063253.12,Scoc,protein_coding	-0.1933	0.442135
ENSMUSG00000111673.3,Gm29724,lncRNA	-0.1936	0.583985
ENSMUSG00000019978.17,Epb41l2,protein_coding	-0.1936	0.432854
ENSMUSG00000022103.11,Gfra2,protein_coding	-0.1936	0.578861
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ENSMUSG00000110863.3,Gm34655,lncRNA	-0.1939	0.450059
ENSMUSG00000032498.10,Mlh1,protein_coding	-0.1939	0.557315
ENSMUSG00000073600.6,Prob1,protein_coding	-0.1939	0.362454
ENSMUSG00000059810.19,Rgs3,protein_coding	-0.1939	0.48091
ENSMUSG00000106560.2,Gm43119,TEC	-0.1941	0.697768
ENSMUSG00000045624.16,Esf1,protein_coding	-0.1941	0.57634
ENSMUSG00000029544.17,Cabp1,protein_coding	-0.1941	0.40196
ENSMUSG00000102973.2,E430014B02Rik,TEC	-0.1942	0.650428
ENSMUSG00000005667.9,Mthfd2,protein_coding	-0.1942	0.750747
ENSMUSG00000022704.17,Qtrt2,protein_coding	-0.1943	0.325738
ENSMUSG00000052981.7,Ube2ql1,protein_coding	-0.1943	0.465312
ENSMUSG00000022722.19,Arl6,protein_coding	-0.1944	0.404995
ENSMUSG00000091387.3,Gcnt4,protein_coding	-0.1945	0.527082
ENSMUSG00000028188.14,Spata1,protein_coding	-0.1946	0.586984
ENSMUSG00000103762.2,Gm37861,TEC	-0.1946	0.609699
ENSMUSG00000028251.6,Tstd3,protein_coding	-0.1946	0.352446
ENSMUSG00000002728.15,Naa20,protein_coding	-0.1946	0.302914

ENSMUSG00000020638.9,Cmpk2,protein_coding	-0.1947	0.3757
ENSMUSG00000028248.16,Pnisr,protein_coding	-0.1948	0.452043
ENSMUSG00000137773.1,ENSMUSG00000137773,lncRNA	-0.1948	0.757785
ENSMUSG00000037958.14,Nsrp1,protein_coding	-0.1949	0.356292
ENSMUSG00000072769.9,Gm10419,lncRNA	-0.1949	0.545236
ENSMUSG00000037411.12,Serpine1,protein_coding	-0.1949	0.795875
ENSMUSG00000027323.11,Rad51,protein_coding	-0.1949	0.833948
ENSMUSG00000067928.7,Zfp760,protein_coding	-0.195	0.544741
ENSMUSG00000050382.15,Kif7,protein_coding	-0.1951	0.72273
ENSMUSG00000093910.3,Zfp853,protein_coding	-0.1951	0.702695
ENSMUSG00000037029.9,Zfp146,protein_coding	-0.1951	0.257651
ENSMUSG00000107171.2,Gm42572,TEC	-0.1952	0.604261
ENSMUSG00000019814.6,Ltv1,protein_coding	-0.1952	0.462633
ENSMUSG00000048581.13,E130311K13Rik,protein_coding	-0.1953	0.57107
ENSMUSG00000021185.17,Dglucy,protein_coding	-0.1953	0.53011
ENSMUSG00000079110.13,Capn3,protein_coding	-0.1955	0.567839
ENSMUSG00000041298.17,Katnal1,protein_coding	-0.1956	0.276563
ENSMUSG00000055048.10,Gm9962,lncRNA	-0.1956	0.695972
ENSMUSG00000001630.14,Stk38l,protein_coding	-0.1956	0.227307
ENSMUSG00000025905.15,Oprk1,protein_coding	-0.1957	0.715512
ENSMUSG00000043644.7,0610009L18Rik,lncRNA	-0.1957	0.618457
ENSMUSG00000128462.1,ENSMUSG00000128462,lncRNA	-0.1958	0.707118
ENSMUSG00000047220.6,Iho1,protein_coding	-0.1959	0.858693
ENSMUSG00000103751.2,Gm37283,TEC	-0.1959	0.669308
ENSMUSG00000079197.11,Psme2,protein_coding	-0.196	0.775346
ENSMUSG00000037996.18,Slc24a2,protein_coding	-0.196	0.445097
ENSMUSG00000065273.3,Gm25128,snoRNA	-0.196	0.745796
ENSMUSG00000092212.5,Slc22a13b,protein_coding	-0.1961	0.658575
ENSMUSG00000032409.16,Atr,protein_coding	-0.1961	0.52464
ENSMUSG00000093606.4,B130034C11Rik,lncRNA	-0.1963	0.60569
ENSMUSG00000082491.2,Gm5909,processed_pseudogene	-0.1964	0.577949
ENSMUSG00000103132.2,Gm37978,TEC	-0.1964	0.641188
ENSMUSG00000035711.6,Dok3,protein_coding	-0.1964	0.767644
ENSMUSG00000097877.4,Gm26703,lncRNA	-0.1966	0.583628
ENSMUSG00000027639.17,Samhd1,protein_coding	-0.1966	0.775167
ENSMUSG00000054400.17,Cklf,protein_coding	-0.1967	0.570912
ENSMUSG00000087138.4,Gm15545,lncRNA	-0.1968	0.783011
ENSMUSG00000029815.13,Malsu1,protein_coding	-0.1968	0.382685
ENSMUSG00000087513.3,Gm13236,lncRNA	-0.1968	0.532387
ENSMUSG00000109191.2,Gm45131,TEC	-0.1969	0.678279
ENSMUSG00000027669.15,Gnb4,protein_coding	-0.1969	0.445255
ENSMUSG00000034480.20,Diaph2,protein_coding	-0.1969	0.42603
ENSMUSG00000108521.2,Gm44639,TEC	-0.197	0.497609
ENSMUSG00000053390.17,Zfp952,protein_coding	-0.197	0.219088
ENSMUSG00000025092.8,Hspa12a,protein_coding	-0.1971	0.4401
ENSMUSG00000021373.17,Cap2,protein_coding	-0.1971	0.57215
ENSMUSG00000092083.5,Kcnb2,protein_coding	-0.1971	0.49657
ENSMUSG00000033006.11,Sox10,protein_coding	-0.1972	0.460241
ENSMUSG00000001833.18,Septin7,protein_coding	-0.1972	0.400265
ENSMUSG00000002279.20,Lmf1,protein_coding	-0.1974	0.390606
ENSMUSG00000092242.3,Gm20515,lncRNA	-0.1975	0.675849
ENSMUSG00000031984.9,2810004N23Rik,protein_coding	-0.1976	0.362411

ENSMUSG00000115756.2,Gm49519,lncRNA	-0.1976	0.736532
ENSMUSG00000031309.16,Rps6ka3,protein_coding	-0.1977	0.449432
ENSMUSG00000020128.16,Vps54,protein_coding	-0.1978	0.503375
ENSMUSG00000059208.16,Hnrnpm,protein_coding	-0.1978	0.299435
ENSMUSG00000053110.14,Yap1,protein_coding	-0.1979	0.241351
ENSMUSG00000041014.18,Nrg3,protein_coding	-0.1979	0.436112
ENSMUSG00000046618.8,Olfml2a,protein_coding	-0.1979	0.621283
ENSMUSG00000036356.16,Csgalnact1,protein_coding	-0.198	0.472121
ENSMUSG00000009030.15,Pdcl,protein_coding	-0.198	0.505713
ENSMUSG00000100252.9,Mir124-2hg,lncRNA	-0.198	0.278761
ENSMUSG00000071181.4,3830408C21Rik,lncRNA	-0.198	0.457675
ENSMUSG00000105062.2,Gm43113,lncRNA	-0.1981	0.676126
ENSMUSG00000025133.10,Ints4,protein_coding	-0.1981	0.310729
ENSMUSG00000055471.8,Alk,protein_coding	-0.1982	0.664535
ENSMUSG00000047342.18,Zfp286,protein_coding	-0.1982	0.417038
ENSMUSG00000102179.2,Gm37868,TEC	-0.1982	0.600397
ENSMUSG00000052921.14,Arhgef15,protein_coding	-0.1983	0.448545
ENSMUSG00000093858.2,Gm19967,lncRNA	-0.1983	0.619802
ENSMUSG00000106214.2,Gm43426,TEC	-0.1984	0.616768
ENSMUSG00000051486.6,Pcdhb11,protein_coding	-0.1984	0.384449
ENSMUSG00000117448.2,Gm50055,TEC	-0.1985	0.49419
ENSMUSG00000032067.7,Pts,protein_coding	-0.1985	0.308158
ENSMUSG00000038608.16,Dock10,protein_coding	-0.1985	0.441913
ENSMUSG00000060969.10,Irx1,protein_coding	-0.1985	0.768441
ENSMUSG00000034160.14,Ogt,protein_coding	-0.1986	0.28443
ENSMUSG00000047747.11,Rnf150,protein_coding	-0.1986	0.548318
ENSMUSG00000063021.4,H2ac15,protein_coding	-0.1986	0.869877
ENSMUSG00000108752.2,Gm45191,TEC	-0.1986	0.718282
ENSMUSG00000048915.13,Efna5,protein_coding	-0.1987	0.435122
ENSMUSG00000045140.9,Pigw,protein_coding	-0.1988	0.545819
ENSMUSG00000112545.4,1300014J16Rik,lncRNA	-0.1988	0.598696
ENSMUSG00000004891.17,Nes,protein_coding	-0.1989	0.439674
ENSMUSG00000032582.15,Rbm6,protein_coding	-0.1991	0.259618
ENSMUSG00000137527.1,ENSMUSG00000137527,lncRNA	-0.1991	0.653317
ENSMUSG00000091144.3,Phf11c,protein_coding	-0.1992	0.74825
ENSMUSG00000040151.10,Hs2st1,protein_coding	-0.1992	0.252784
ENSMUSG00000038187.15,Btbd10,protein_coding	-0.1993	0.341171
ENSMUSG00000069008.4,Gm5537,processed_pseudogene	-0.1993	0.706976
ENSMUSG00000097583.4,6430590A07Rik,lncRNA	-0.1994	0.535877
ENSMUSG00000033788.16,Dysf,protein_coding	-0.1994	0.640615
ENSMUSG00000022160.19,Mettl3,protein_coding	-0.1995	0.311421
ENSMUSG00000064202.17,Spata6l,protein_coding	-0.1995	0.633503
ENSMUSG00000032540.17,Abhd5,protein_coding	-0.1996	0.236724
ENSMUSG00000044912.12,Syt16,protein_coding	-0.1996	0.588461
ENSMUSG00000100176.2,Gm28586,lncRNA	-0.1996	0.761858
ENSMUSG00000069727.6,Zfp975,protein_coding	-0.1996	0.587119
ENSMUSG00000106491.2,Gm42446,TEC	-0.1996	0.691423
ENSMUSG00000045991.20,Onecut2,protein_coding	-0.1997	0.551809
ENSMUSG00000038916.8,Mtcl3,protein_coding	-0.1997	0.298845
ENSMUSG00000028977.18,Casz1,protein_coding	-0.1998	0.759559
ENSMUSG00000134510.1,ENSMUSG00000134510,lncRNA	-0.1998	0.62187
ENSMUSG00000102143.2,Gm38057,TEC	-0.1999	0.620251

ENSMUSG00000013523.14,Bcas1,protein_coding	-0.1999	0.442329
ENSMUSG00000036510.18,Cdh8,protein_coding	-0.2	0.434265
ENSMUSG00000062991.10,Nrg1,protein_coding	-0.2	0.347228
ENSMUSG00000000766.19,Oprm1,protein_coding	-0.2002	0.584881
ENSMUSG00000026986.15,Hnmt,protein_coding	-0.2002	0.472132
ENSMUSG00000135685.1,ENSMUSG00000135685,lncRNA	-0.2005	0.624631
ENSMUSG00000026546.17,Cfap45,protein_coding	-0.2005	0.683483
ENSMUSG00000080775.2,Gm6368,processed_pseudogene	-0.2006	0.746837
ENSMUSG00000121172.2,Gm57324,lncRNA	-0.2007	0.704282
ENSMUSG00000057982.9,Zfp809,protein_coding	-0.2008	0.272462
ENSMUSG00000027204.14,Fbn1,protein_coding	-0.2008	0.441381
ENSMUSG00000036908.18,Unc93b1,protein_coding	-0.2009	0.825947
ENSMUSG00000033904.17,Ccp110,protein_coding	-0.2009	0.224464
ENSMUSG00000074406.6,Zfp628,protein_coding	-0.2009	0.478262
ENSMUSG00000115314.2,Gm48966,TEC	-0.201	0.754685
ENSMUSG00000073805.6,Insyn2a,protein_coding	-0.201	0.530964
ENSMUSG00000093908.3,Gm5784,lncRNA	-0.201	0.705509
ENSMUSG00000035493.11,Tgfbi,protein_coding	-0.201	0.816791
ENSMUSG00000078490.11,Cfap74,protein_coding	-0.201	0.356479
ENSMUSG00000102420.2,Gm37464,TEC	-0.2011	0.5933
ENSMUSG00000005823.10,Gpr108,protein_coding	-0.2011	0.551357
ENSMUSG00000057182.17,Scn3a,protein_coding	-0.2012	0.562492
ENSMUSG00000027230.10,Creb3l1,protein_coding	-0.2014	0.583928
ENSMUSG00000106678.2,Gm43457,TEC	-0.2015	0.459109
ENSMUSG00000112948.2,Gm48871,TEC	-0.2015	0.513249
ENSMUSG00000046160.7,Olig1,protein_coding	-0.2016	0.205211
ENSMUSG00000089762.4,Ier5l,protein_coding	-0.2018	0.679887
ENSMUSG00000108005.2,Gm44435,TEC	-0.2018	0.535706
ENSMUSG00000041124.12,Msantd4,protein_coding	-0.2018	0.179453
ENSMUSG00000032596.15,Uba7,protein_coding	-0.2021	0.813175
ENSMUSG00000085054.4,Gm15834,lncRNA	-0.2022	0.737744
ENSMUSG00000097156.10,Gm3764,lncRNA	-0.2022	0.447498
ENSMUSG00000031370.13,Zrsr2,protein_coding	-0.2023	0.187507
ENSMUSG00000074219.5,Gm10644,lncRNA	-0.2023	0.670446
ENSMUSG00000120493.2,Gm57059,lncRNA	-0.2024	0.524158
ENSMUSG00000023935.11,Spats1,protein_coding	-0.2025	0.513118
ENSMUSG00000102410.2,Gm36935,TEC	-0.2025	0.68699
ENSMUSG00000080610.3,Snord110,snoRNA	-0.2025	0.704869
ENSMUSG00000085311.2,Gm15445,lncRNA	-0.2025	0.684362
ENSMUSG00000051344.14,Plekhm3,protein_coding	-0.2026	0.088376
ENSMUSG00000108214.2,Gm43982,TEC	-0.2026	0.58786
ENSMUSG00000031617.17,Tmem184c,protein_coding	-0.2026	0.313753
ENSMUSG00000032477.15,Cdc25a,protein_coding	-0.2026	0.631953
ENSMUSG00000026224.12,4933407L21Rik,protein_coding	-0.2027	0.64262
ENSMUSG00000052616.11,Terb1,protein_coding	-0.2028	0.666092
ENSMUSG00000018102.6,H2bc4,protein_coding	-0.2028	0.468373
ENSMUSG00000029089.9,5730480H06Rik,protein_coding	-0.2029	0.383625
ENSMUSG00000049044.17,Rapgef4,protein_coding	-0.2029	0.543441
ENSMUSG00000021715.13,Cwc27,protein_coding	-0.2031	0.309323
ENSMUSG00000102816.3,Gm37814,lncRNA	-0.2032	0.494474
ENSMUSG00000097726.9,9530036O11Rik,lncRNA	-0.2032	0.689121
ENSMUSG00000107782.2,Gm43888,TEC	-0.2033	0.63115

ENSMUSG00000027339.16,Rassf2,protein_coding	-0.2033	0.257878
ENSMUSG00000097217.4,Gm26549,lncRNA	-0.2033	0.684322
ENSMUSG00000072647.7,Adam1a,protein_coding	-0.2034	0.571902
ENSMUSG00000034275.20,Igsf9b,protein_coding	-0.2034	0.424431
ENSMUSG00000108560.2,Gm44695,TEC	-0.2034	0.787459
ENSMUSG00000121914.1,Sts,protein_coding	-0.2035	0.66307
ENSMUSG00000032740.18,Ccdc88a,protein_coding	-0.2036	0.363305
ENSMUSG00000109568.2,Gm45074,TEC	-0.2037	0.660767
ENSMUSG00000000794.10,Kcnn3,protein_coding	-0.2038	0.530197
ENSMUSG00000041362.18,Shtn1,protein_coding	-0.2039	0.227943
ENSMUSG00000042419.9,Nfkbil1,protein_coding	-0.2039	0.489101
ENSMUSG00000040552.9,C3ar1,protein_coding	-0.204	0.797331
ENSMUSG00000006418.18,Rnf114,protein_coding	-0.204	0.340171
ENSMUSG00000036943.10,Rab8b,protein_coding	-0.204	0.360205
ENSMUSG00000044122.16,Proca1,protein_coding	-0.2042	0.556304
ENSMUSG00000016206.7,H2-M3,protein_coding	-0.2042	0.83281
ENSMUSG00000070814.18,Zswim9,protein_coding	-0.2042	0.215928
ENSMUSG00000033767.15,Tmem131l,protein_coding	-0.2043	0.667415
ENSMUSG00000030304.12,Ergic2,protein_coding	-0.2044	0.268807
ENSMUSG00000046204.15,Pnma2,protein_coding	-0.2044	0.55682
ENSMUSG00000078931.5,Pdf,protein_coding	-0.2046	0.500522
ENSMUSG00000031639.13,Tlr3,protein_coding	-0.2046	0.484496
ENSMUSG00000119286.1,Rnu5g,snRNA	-0.2046	0.867738
ENSMUSG00000096929.10,A330023F24Rik,lncRNA	-0.2047	0.505625
ENSMUSG00000037818.18,Abhd18,protein_coding	-0.2047	0.337286
ENSMUSG00000040774.16,Cept1,protein_coding	-0.2048	0.2802
ENSMUSG00000051811.15,Cox6b2,protein_coding	-0.2048	0.784444
ENSMUSG00000033862.8,Cdk10,protein_coding	-0.2048	0.357692
ENSMUSG00000044447.6,Dock5,protein_coding	-0.2049	0.415591
ENSMUSG00000055415.9,Atp10b,protein_coding	-0.2049	0.565814
ENSMUSG00000119977.2,Gm56496,lncRNA	-0.205	0.652824
ENSMUSG00000110411.2,Gm45457,TEC	-0.205	0.577278
ENSMUSG00000073968.5,Trim68,protein_coding	-0.2051	0.496816
ENSMUSG00000002835.10,Chaf1a,protein_coding	-0.2052	0.750274
ENSMUSG00000035283.6,Adrb1,protein_coding	-0.2052	0.555131
ENSMUSG00000138774.1,ENSMUSG00000138774,lncRNA	-0.2053	0.663961
ENSMUSG00000054690.18,Emcn,protein_coding	-0.2054	0.588477
ENSMUSG00000105748.2,Gm43088,TEC	-0.2054	0.549865
ENSMUSG00000038252.14,Ncapd2,protein_coding	-0.2055	0.667958
ENSMUSG00000031402.13,Mpp1,protein_coding	-0.2056	0.199523
ENSMUSG00000050965.15,Prkca,protein_coding	-0.2058	0.478846
ENSMUSG00000097381.4,A230087F16Rik,lncRNA	-0.2059	0.580215
ENSMUSG00000022604.19,Cep97,protein_coding	-0.206	0.183297
ENSMUSG00000097357.5,Gm16793,lncRNA	-0.206	0.613197
ENSMUSG00000002227.16,Mov10,protein_coding	-0.2062	0.588587
ENSMUSG00000062866.17,Phactr2,protein_coding	-0.2062	0.281058
ENSMUSG00000036411.11,Matcap2,protein_coding	-0.2063	0.432225
ENSMUSG00000078889.13,Gm14288,protein_coding	-0.2064	0.719864
ENSMUSG00000104164.2,Gm38248,TEC	-0.2066	0.586749
ENSMUSG00000107707.2,Gm44286,TEC	-0.2066	0.630291
ENSMUSG00000086980.3,Gm13791,lncRNA	-0.2067	0.647926
ENSMUSG00000027678.19,Ncoa3,protein_coding	-0.2068	0.321265

ENSMUSG00000062794.9,Zfp599,protein_coding	-0.2068	0.421361
ENSMUSG00000038844.11,Kif16b,protein_coding	-0.2068	0.247151
ENSMUSG00000109353.2,Gm45183,TEC	-0.2068	0.730371
ENSMUSG00000104802.2,Gm5869,processed_pseudogene	-0.2068	0.817398
ENSMUSG00000087694.9,Gjd2os,lncRNA	-0.2069	0.454997
ENSMUSG00000036528.17,Ppfibp2,protein_coding	-0.207	0.32253
ENSMUSG00000021391.11,Cenpp,protein_coding	-0.207	0.743969
ENSMUSG00000100302.2,Gm29670,lncRNA	-0.207	0.571361
ENSMUSG00000030759.17,Far1,protein_coding	-0.2072	0.378257
ENSMUSG00000044461.7,Shisa2,protein_coding	-0.2073	0.551839
ENSMUSG00000096948.5,Gm4221,lncRNA	-0.2073	0.474306
ENSMUSG00000072494.8,Ppp1r3e,protein_coding	-0.2074	0.581389
ENSMUSG00000045903.10,Npas4,protein_coding	-0.2074	0.72611
ENSMUSG00000037197.12,Rbm17,protein_coding	-0.2075	0.329652
ENSMUSG00000073207.2,Ccdc160,protein_coding	-0.2075	0.661927
ENSMUSG00000029090.13,Adgra3,protein_coding	-0.2076	0.453035
ENSMUSG00000047248.21,C2cd3,protein_coding	-0.2076	0.181706
ENSMUSG00000029233.16,Srd5a3,protein_coding	-0.2076	0.456642
ENSMUSG00000031799.11,Tpm4,protein_coding	-0.2077	0.520025
ENSMUSG00000086296.5,D030055H07Rik,lncRNA	-0.2077	0.698214
ENSMUSG00000050919.11,Zfp366,protein_coding	-0.2077	0.455772
ENSMUSG00000037366.15,Pafah2,protein_coding	-0.2077	0.452268
ENSMUSG00000042938.9,Gm14117,processed_pseudogene	-0.2078	0.776371
ENSMUSG00000023072.15,Cep89,protein_coding	-0.2078	0.486978
ENSMUSG00000032263.15,Bckdhb,protein_coding	-0.2078	0.41556
ENSMUSG00000024457.18,Trim26,protein_coding	-0.2079	0.571284
ENSMUSG00000113656.2,Gm47370,TEC	-0.208	0.542288
ENSMUSG00000097777.10,Gm16794,lncRNA	-0.208	0.536121
ENSMUSG00000103092.2,Pcdha5,protein_coding	-0.2081	0.530487
ENSMUSG00000032254.11,Kif23,protein_coding	-0.2081	0.869909
ENSMUSG00000114069.4,E130119H09Rik,lncRNA	-0.2082	0.86826
ENSMUSG00000000916.16,Nsun5,protein_coding	-0.2082	0.405285
ENSMUSG00000033773.15,Rpap2,protein_coding	-0.2082	0.291108
ENSMUSG00000136293.1,ENSMUSG00000136293,lncRNA	-0.2083	0.76879
ENSMUSG00000095595.3,Fam177a,protein_coding	-0.2083	0.65004
ENSMUSG00000105637.2,Gm42480,TEC	-0.2084	0.595158
ENSMUSG00000129315.1,ENSMUSG00000129315,lncRNA	-0.2084	0.568628
ENSMUSG00000126648.1,ENSMUSG00000126648,lncRNA	-0.2084	0.520997
ENSMUSG00000035864.15,Syt1,protein_coding	-0.2084	0.510664
ENSMUSG00000027078.15,Ube2l6,protein_coding	-0.2084	0.72774
ENSMUSG00000035495.16,Tstd2,protein_coding	-0.2084	0.214745
ENSMUSG00000121666.1,ENSMUSG00000121666,lncRNA	-0.2085	0.610257
ENSMUSG00000036062.14,Phf24,protein_coding	-0.2085	0.565603
ENSMUSG00000108621.4,Gm33989,lncRNA	-0.2086	0.507867
ENSMUSG00000038525.17,Armc10,protein_coding	-0.2087	0.3908
ENSMUSG00000107414.2,6330419E04Rik,TEC	-0.2087	0.602658
ENSMUSG00000042293.9,Gm5617,protein_coding	-0.2088	0.710202
ENSMUSG00000026679.4,Enkur,protein_coding	-0.2088	0.796206
ENSMUSG00000078887.11,Gm6710,protein_coding	-0.2088	0.698797
ENSMUSG00000026384.14,Ptpn4,protein_coding	-0.2089	0.451982
ENSMUSG00000112512.2,Gm48203,TEC	-0.2089	0.694413
ENSMUSG00000107200.2,Gm43039,TEC	-0.209	0.534558

ENSMUSG00000102940.2,Gm37551,TEC	-0.2091	0.549693
ENSMUSG00000095123.2,Gm21781,lncRNA	-0.2091	0.422587
ENSMUSG00000055041.9,Commd5,protein_coding	-0.2091	0.519957
ENSMUSG00000047123.9,Ticam1,protein_coding	-0.2092	0.570644
ENSMUSG00000120649.2,Gm39114,lncRNA	-0.2092	0.606023
ENSMUSG00000046709.20,Mapk10,protein_coding	-0.2093	0.381986
ENSMUSG00000036304.15,Zdhhc23,protein_coding	-0.2094	0.501659
ENSMUSG00000052713.10,Zfp608,protein_coding	-0.2094	0.140085
ENSMUSG00000019863.8,Qrsl1,protein_coding	-0.2095	0.360172
ENSMUSG00000044026.4,Slc35g1,protein_coding	-0.2095	0.573792
ENSMUSG00000106758.2,Gm42731,TEC	-0.2095	0.633735
ENSMUSG00000029516.20,Cit,protein_coding	-0.2096	0.418493
ENSMUSG00000008489.19,Elavl2,protein_coding	-0.2096	0.328816
ENSMUSG00000106904.2,Gm43029,TEC	-0.2098	0.650652
ENSMUSG00000061950.18,Ppp4r1,protein_coding	-0.2099	0.170653
ENSMUSG00000048612.17,Myof,protein_coding	-0.2099	0.595514
ENSMUSG00000142274.1,ENSMUSG00000142274,lncRNA	-0.2099	0.600773
ENSMUSG00000097736.10,9530059O14Rik,lncRNA	-0.2099	0.660031
ENSMUSG00000004085.15,Map3k20,protein_coding	-0.2099	0.337464
ENSMUSG00000072294.6,Klf12,protein_coding	-0.21	0.265429
ENSMUSG00000035189.18,Ano4,protein_coding	-0.21	0.345202
ENSMUSG00000070436.13,Serpinh1,protein_coding	-0.2101	0.451905
ENSMUSG00000120003.2,Gm57201,lncRNA	-0.2101	0.627585
ENSMUSG00000104107.2,Gm37879,TEC	-0.2103	0.69182
ENSMUSG00000112393.2,Gm48655,TEC	-0.2105	0.423909
ENSMUSG00000002846.10,Timmdc1,protein_coding	-0.2107	0.275733
ENSMUSG00000120347.2,Gm56597,lncRNA	-0.2107	0.723746
ENSMUSG00002075512.1,Gm55400,misc_RNA	-0.2109	0.736911
ENSMUSG00000122142.1,ENSMUSG00000122142,lncRNA	-0.2109	0.561587
ENSMUSG00000113905.2,Gm48872,TEC	-0.2109	0.658798
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ENSMUSG00000046667.15,Rbm12b1,protein_coding	-0.2111	0.383297
ENSMUSG00000035653.17,Lrfn5,protein_coding	-0.2111	0.409185
ENSMUSG00000028992.14,Nmnat1,protein_coding	-0.2113	0.391925
ENSMUSG00000029007.9,Agtrap,protein_coding	-0.2114	0.421206
ENSMUSG00000102205.2,9430092D12Rik,TEC	-0.2116	0.592037
ENSMUSG00000114617.2,Gm48766,TEC	-0.2118	0.582019
ENSMUSG00000041935.11,Rimoc1,protein_coding	-0.2118	0.311559
ENSMUSG00000102296.2,Gm37543,TEC	-0.2118	0.621333
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ENSMUSG00000112411.2,Gm19337,TEC	-0.212	0.56175
ENSMUSG00000056919.10,Cep162,protein_coding	-0.212	0.488886
ENSMUSG00000086264.12,Gm15850,lncRNA	-0.212	0.739628
ENSMUSG00000068854.8,H2bc21,protein_coding	-0.2121	0.385664
ENSMUSG00000078435.6,AU041133,protein_coding	-0.2121	0.532058
ENSMUSG00000030264.15,Thumpd3,protein_coding	-0.2122	0.436863
ENSMUSG00000027570.16,Col9a3,protein_coding	-0.2122	0.544008
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ENSMUSG00000021036.11,Sptlc2,protein_coding	-0.2123	0.190562
ENSMUSG00000021549.15,Rasa1,protein_coding	-0.2123	0.417943
ENSMUSG00000116494.2,Gm49449,TEC	-0.2123	0.785242
ENSMUSG00000038738.16,Shank1,protein_coding	-0.2124	0.462423

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ENSMUSG00000100017.4,2410022M11Rik,lncRNA	-0.2128	0.568087
ENSMUSG00000126811.1,ENSMUSG00000126811,lncRNA	-0.2128	0.584732
ENSMUSG00000112229.2,Gm48086,lncRNA	-0.2128	0.471613
ENSMUSG00000019837.9,Gtf3c6,protein_coding	-0.2128	0.284854
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ENSMUSG00000063785.13,Utp14a,protein_coding	-0.213	0.393363
ENSMUSG00000079710.12,Dynlt2a2,protein_coding	-0.2134	0.450221
ENSMUSG00000043153.7,Crppa,protein_coding	-0.2135	0.258467
ENSMUSG00000120227.2,Gm57295,lncRNA	-0.2136	0.632085
ENSMUSG00000104197.2,Gm37632,TEC	-0.2137	0.764709
ENSMUSG00000106812.3,Gm28563,lncRNA	-0.2137	0.666021
ENSMUSG00000020527.15,Myo19,protein_coding	-0.2138	0.29255
ENSMUSG00000028093.16,Acp6,protein_coding	-0.2138	0.297828
ENSMUSG00000067719.6,Gm10221,transcribed_processed_pseudogene	-0.2138	0.542567
ENSMUSG00000142237.1,ENSMUSG00000142237,lncRNA	-0.2138	0.907126
ENSMUSG00000100147.5,1700047M11Rik,lncRNA	-0.214	0.556037
ENSMUSG00000030235.18,Slco1c1,protein_coding	-0.214	0.27848
ENSMUSG00000105842.2,Gm43329,lncRNA	-0.214	0.669494
ENSMUSG00000022853.8,Ehhadh,protein_coding	-0.2141	0.615023
ENSMUSG00000112103.2,Gm47018,lncRNA	-0.2144	0.779485
ENSMUSG00000102714.2,Gm37618,TEC	-0.2144	0.656588
ENSMUSG00000029415.5,Sdad1,protein_coding	-0.2146	0.423205
ENSMUSG00000037020.17,Wdr62,protein_coding	-0.2148	0.806088
ENSMUSG00000052516.22,Robo2,protein_coding	-0.2148	0.491279
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ENSMUSG00000107835.2,Gm43999,TEC	-0.2148	0.474486
ENSMUSG00000056144.15,Trim34a,protein_coding	-0.2148	0.679155
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ENSMUSG00000109714.4,Gm35021,lncRNA	-0.2149	0.593196
ENSMUSG00000103162.2,Gm38147,TEC	-0.2149	0.517092
ENSMUSG00000034520.15,Gjc1,protein_coding	-0.215	0.507544
ENSMUSG00000025758.11,Plk4,protein_coding	-0.2151	0.720118
ENSMUSG00000109108.2,Gm36371,lncRNA	-0.2151	0.682443
ENSMUSG00000026941.17,Mamdc4,protein_coding	-0.2152	0.769483
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ENSMUSG00000024943.10,Smc5,protein_coding	-0.2152	0.360715
ENSMUSG00000022529.12,Zfp263,protein_coding	-0.2153	0.323869
ENSMUSG00000020774.10,Aspa,protein_coding	-0.2154	0.46698
ENSMUSG00000068220.7,Lgals1,protein_coding	-0.2154	0.750234
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ENSMUSG00000121708.1,ENSMUSG00000121708,lncRNA	-0.2155	0.740211
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ENSMUSG00000024831.15,Ighmbp2,protein_coding	-0.2155	0.391256
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ENSMUSG00000052560.16,Cpne8,protein_coding	-0.2164	0.329649
ENSMUSG00000020937.15,Plcd3,protein_coding	-0.2164	0.507468
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ENSMUSG00000108154.2,Gm44033,TEC	-0.2166	0.622398
ENSMUSG00000022237.18,Ankrd33b,protein_coding	-0.2166	0.519543
ENSMUSG00002076288.1,Snora34,snoRNA	-0.2167	0.615962
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ENSMUSG00000090952.5,Rab11bos1,lncRNA	-0.217	0.631777
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ENSMUSG00000085787.4,Gm13092,processed_pseudogene	-0.2197	0.634396
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ENSMUSG00000022552.17,Sharpin,protein_coding	-0.22	0.269913
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ENSMUSG00000137045.1,ENSMUSG00000137045,lncRNA	-0.2232	0.721101

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ENSMUSG00000130563.1,ENSMUSG00000130563,lncRNA	-0.2238	0.62137
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ENSMUSG00000004934.15,Pias4,protein_coding	-0.2239	0.248974
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ENSMUSG00000037085.9,Trmt12,protein_coding	-0.224	0.358797
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ENSMUSG00000108956.2,Gm45179,TEC	-0.2243	0.530407
ENSMUSG00000027552.16,E2f5,protein_coding	-0.2243	0.394855
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ENSMUSG00000042707.7,Dnali1,protein_coding	-0.2245	0.780982
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ENSMUSG00000048782.17,Insc,protein_coding	-0.2249	0.600477
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ENSMUSG00000075254.13,Heg1,protein_coding	-0.225	0.251938
ENSMUSG00000054509.8,Parp4,protein_coding	-0.225	0.682717
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ENSMUSG00000102331.2,Gm19938,lncRNA	-0.2253	0.514295
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ENSMUSG00000017146.13,Brca1,protein_coding	-0.2255	0.822611
ENSMUSG00000097027.4,Gm26559,lncRNA	-0.2256	0.54204
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ENSMUSG00000133744.1,ENSMUSG00000133744,lncRNA	-0.2264	0.588076
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ENSMUSG00000026107.12,Nabp1,protein_coding	-0.2267	0.56646
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ENSMUSG00000039178.10,Tbc1d19,protein_coding	-0.2268	0.287745
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ENSMUSG00000051727.15,Kctd14,protein_coding	-0.2346	0.683915
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ENSMUSG00000026605.15,Cenpf,protein_coding	-0.2409	0.842312
ENSMUSG00000026447.18,Pik3c2b,protein_coding	-0.2409	0.35833
ENSMUSG00000121083.2,4930423K06Rik,lncRNA	-0.2409	0.57173
ENSMUSG00000136429.1,ENSMUSG00000136429,lncRNA	-0.2409	0.622626
ENSMUSG00000081683.6,Fzd10,protein_coding	-0.2409	0.558686
ENSMUSG00000023411.13,Nfatc4,protein_coding	-0.241	0.567637
ENSMUSG00000040710.11,St8sia4,protein_coding	-0.241	0.402816
ENSMUSG00000078877.12,Gm14295,protein_coding	-0.241	0.562103
ENSMUSG00000105726.2,Gm42443,TEC	-0.2411	0.460139
ENSMUSG00000140129.1,ENSMUSG00000140129,lncRNA	-0.2413	0.519101
ENSMUSG00000009621.19,Vav2,protein_coding	-0.2413	0.566115
ENSMUSG00000106001.2,Gm42826,TEC	-0.2414	0.6419
ENSMUSG00000106404.2,Gm42919,TEC	-0.2414	0.575731
ENSMUSG00000033257.15,Ttll4,protein_coding	-0.2415	0.285953
ENSMUSG00000137360.1,ENSMUSG00000137360,lncRNA	-0.2417	0.685964
ENSMUSG00000016487.16,Ppfibp1,protein_coding	-0.2418	0.435987
ENSMUSG00000027305.10,Ndufaf1,protein_coding	-0.2419	0.222044
ENSMUSG00000114996.2,Gm48958,TEC	-0.2421	0.482957
ENSMUSG00000121596.1,AB010352,protein_coding	-0.2423	0.540074
ENSMUSG00000118287.2,Gm50300,processed_pseudogene	-0.2424	0.64099
ENSMUSG00000129753.1,ENSMUSG00000129753,lncRNA	-0.2424	0.453836

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ENSMUSG00000120566.2,Gm56573,lncRNA	-0.2426	0.489107
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ENSMUSG00000047495.16,Dlgap2,protein_coding	-0.2431	0.591329
ENSMUSG00000001995.10,Sipa1l2,protein_coding	-0.2431	0.261998
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ENSMUSG00000030098.16,Grip2,protein_coding	-0.2432	0.591317
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ENSMUSG00000051735.8,Rinl,protein_coding	-0.2433	0.795733
ENSMUSG00000029581.15,Fscn1,protein_coding	-0.2433	0.404186
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ENSMUSG00000031776.18,Arl2bp,protein_coding	-0.2434	0.394712
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ENSMUSG00000029919.6,Hpgds,protein_coding	-0.2436	0.64437
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ENSMUSG00000041642.19,Kif21b,protein_coding	-0.2438	0.212006
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ENSMUSG00000045994.18,B3gat1,protein_coding	-0.2439	0.508386
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ENSMUSG00000035934.17,Pknox2,protein_coding	-0.2442	0.415962
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ENSMUSG00000141199.1,ENSMUSG00000141199,lncRNA	-0.2443	0.510205
ENSMUSG00000052302.7,Tbc1d30,protein_coding	-0.2443	0.309119
ENSMUSG00000039693.12,Msantd3,protein_coding	-0.2444	0.300856
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ENSMUSG00000055125.9,M5C1000I18Rik,lncRNA	-0.2448	0.534251
ENSMUSG00000122011.1,ENSMUSG00000122011,lncRNA	-0.2449	0.613736
ENSMUSG00000104806.2,Gm42566,TEC	-0.2449	0.829855
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ENSMUSG00000060519.12,Tor3a,protein_coding	-0.2456	0.471667
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ENSMUSG00000085873.3,Ttc39aos1,lncRNA	-0.2466	0.399448
ENSMUSG00000028789.17,Azin2,protein_coding	-0.2468	0.373896
ENSMUSG00000040738.12,Ints8,protein_coding	-0.2468	0.227845
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ENSMUSG00000040213.14,Kyat3,protein_coding	-0.2474	0.425573
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ENSMUSG00000070372.12,Capza1,protein_coding	-0.2476	0.459289
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ENSMUSG00000027166.15,Dnajc24,protein_coding	-0.2477	0.474753
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ENSMUSG00000105345.4,BC030343,lncRNA	-0.2481	0.431592
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ENSMUSG00000057329.8,Bcl2,protein_coding	-0.2484	0.166953
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ENSMUSG00000020672.15,Sntg2,protein_coding	-0.2488	0.549214
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ENSMUSG00000028108.17,Ecm1,protein_coding	-0.2594	0.523925
ENSMUSG00000078901.10,Zfp1009,protein_coding	-0.2594	0.236175
ENSMUSG00000027132.4,Katnbl1,protein_coding	-0.2594	0.44815
ENSMUSG00000021000.18,Mia2,protein_coding	-0.2594	0.298041
ENSMUSG00000121107.1,9330133O14Rik,lncRNA	-0.2595	0.248904
ENSMUSG00000098129.3,Gm27040,lncRNA	-0.2596	0.694645
ENSMUSG00000071679.5,Rtl4,protein_coding	-0.2596	0.561396
ENSMUSG00000106832.2,Gm42632,TEC	-0.2596	0.557593
ENSMUSG00000033545.15,Znrf1,protein_coding	-0.2596	0.23828
ENSMUSG00000025521.16,Tmem192,protein_coding	-0.2597	0.399911
ENSMUSG00000053286.12,Trmt1l,protein_coding	-0.2597	0.194241
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ENSMUSG00000131906.1,ENSMUSG00000131906,lncRNA	-0.2605	0.720479
ENSMUSG00000028256.17,Odf2l,protein_coding	-0.2605	0.253973
ENSMUSG00000102691.2,Gm37780,TEC	-0.2605	0.509486
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ENSMUSG00000043385.5,Or2k2,protein_coding	-0.2609	0.800352
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ENSMUSG00000020178.7,Adora2a,protein_coding	-0.261	0.819573
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ENSMUSG00000028567.9,Txndc12,protein_coding	-0.2614	0.193913
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ENSMUSG00000110471.2,Gm45823,lncRNA	-0.2625	0.614667
ENSMUSG00000116673.2,A630089N07Rik,protein_coding	-0.2626	0.60874
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ENSMUSG00000021245.16,Mlh3,protein_coding	-0.2637	0.118288
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ENSMUSG00000009828.16,Cilk1,protein_coding	-0.2638	0.183734
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ENSMUSG00000002885.15,Adgre5,protein_coding	-0.2755	0.27368
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ENSMUSG00000031385.15,Plxnb3,protein_coding	-0.2756	0.313786
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ENSMUSG00000120258.2,Gm56596,lncRNA	-0.2773	0.706968
ENSMUSG00000109399.2,Gm44982,lncRNA	-0.2775	0.589331
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ENSMUSG00000030849.19,Fgfr2,protein_coding	-0.278	0.132742
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ENSMUSG00000025141.4,Myadml2,protein_coding	-0.2784	0.553814
ENSMUSG00000086638.9,4930405A21Rik,lncRNA	-0.2787	0.552173
ENSMUSG00000107826.2,Gm44242,TEC	-0.2787	0.542356
ENSMUSG00000022360.9,Atad2,protein_coding	-0.2788	0.645388
ENSMUSG00000086555.4,Gm13446,lncRNA	-0.2789	0.547393
ENSMUSG00000085622.11,3110056K07Rik,lncRNA	-0.2789	0.309534
ENSMUSG00000057789.15,Bak1,protein_coding	-0.279	0.479211
ENSMUSG00000102460.2,Gm38197,TEC	-0.2792	0.63565
ENSMUSG00000105388.2,Rpl36a-ps2,transcribed_processed_pseudogene	-0.2792	0.534949
ENSMUSG00000087095.5,Emx2os,lncRNA	-0.2796	0.616613
ENSMUSG00000020732.14,Rab37,protein_coding	-0.2796	0.554967
ENSMUSG00000054556.9,Gm4876,lncRNA	-0.2798	0.263095
ENSMUSG00000062554.8,Gm12751,processed_pseudogene	-0.2798	0.629095
ENSMUSG00000056671.8,Prelid2,protein_coding	-0.2798	0.774827
ENSMUSG00000001986.17,Gria3,protein_coding	-0.2799	0.349989
ENSMUSG00000025504.15,Eps8l2,protein_coding	-0.2799	0.582309
ENSMUSG00000033439.13,Trmt13,protein_coding	-0.2802	0.374869
ENSMUSG00000024598.10,Fbn2,protein_coding	-0.2802	0.367756
ENSMUSG00000006235.7,Epor,protein_coding	-0.2805	0.552966
ENSMUSG00000026504.18,Sdccag8,protein_coding	-0.2808	0.129811
ENSMUSG00000096403.3,Rnps1-ps,transcribed_processed_pseudogene	-0.2808	0.442322
ENSMUSG00000040521.12,Tsfm,protein_coding	-0.2808	0.341485
ENSMUSG00000074576.5,Mocs3,protein_coding	-0.281	0.392719
ENSMUSG00000078771.12,Evi2a,protein_coding	-0.281	0.149064
ENSMUSG00000143437.1,ENSMUSG00000143437,lncRNA	-0.281	0.563971
ENSMUSG00000118501.3,Gm53048,transcribed_unitary_pseudogene	-0.281	0.464288
ENSMUSG00000131604.1,ENSMUSG00000131604,lncRNA	-0.2811	0.634625
ENSMUSG00000103238.2,Gm36527,TEC	-0.2812	0.37832
ENSMUSG00000115184.2,Gm49197,TEC	-0.2812	0.567231
ENSMUSG00000020335.14,Zfp354b,protein_coding	-0.2813	0.481326
ENSMUSG00000107448.2,Gm43947,TEC	-0.2814	0.600225

ENSMUSG00000031627.10,Irf2,protein_coding	-0.2814	0.226314
ENSMUSG00000019945.11,Cabcoco1,protein_coding	-0.2815	0.71007
ENSMUSG00000025199.17,Chuk,protein_coding	-0.2815	0.168697
ENSMUSG00000139293.1,ENSMUSG00000139293,lncRNA	-0.2817	0.592186
ENSMUSG00000019891.16,Dcbld1,protein_coding	-0.2819	0.27389
ENSMUSG00000051341.7,Zfp52,protein_coding	-0.2819	0.560726
ENSMUSG00000087120.4,Gm12279,lncRNA	-0.282	0.322025
ENSMUSG00000057409.8,Zfp53,protein_coding	-0.282	0.34525
ENSMUSG00000120996.2,Gm56817,lncRNA	-0.2821	0.484711
ENSMUSG00000091079.2,Gm17105,lncRNA	-0.2821	0.651944
ENSMUSG00000075327.11,Zbtb2,protein_coding	-0.2821	0.152831
ENSMUSG00000102970.2,Gm37349,TEC	-0.2822	0.74931
ENSMUSG00000054519.9,Zfp867,protein_coding	-0.2822	0.443137
ENSMUSG00000034947.14,Tmem106a,protein_coding	-0.2823	0.707095
ENSMUSG00000060424.17,Pantr1,lncRNA	-0.2824	0.313016
ENSMUSG00000081046.2,Gm12846,processed_pseudogene	-0.2826	0.728403
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ENSMUSG00000024737.3,Slc15a3,protein_coding	-0.2827	0.643833
ENSMUSG00000037759.7,Ptger2,protein_coding	-0.2827	0.768993
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ENSMUSG00000022935.17,Grik1,protein_coding	-0.2829	0.122422
ENSMUSG00000034248.8,Slc25a37,protein_coding	-0.2829	0.072276
ENSMUSG00000103970.2,Gm37678,TEC	-0.2831	0.572696
ENSMUSG00000060771.16,Tsga10,protein_coding	-0.2831	0.278439
ENSMUSG00000108474.2,Gm44895,TEC	-0.2832	0.447668
ENSMUSG00000029994.18,Anxa4,protein_coding	-0.2833	0.615697
ENSMUSG00000000184.13,Ccnd2,protein_coding	-0.2834	0.339444
ENSMUSG00000109992.2,Gm45650,lncRNA	-0.2835	0.664846
ENSMUSG00000070883.4,Cfap210,protein_coding	-0.2838	0.375536
ENSMUSG00000057234.10,Mettl15,protein_coding	-0.2838	0.353345
ENSMUSG00000006345.11,Ggt1,protein_coding	-0.2838	0.578851
ENSMUSG00000108189.2,Gm43887,TEC	-0.2839	0.520869
ENSMUSG00000135102.1,ENSMUSG00000135102,lncRNA	-0.2839	0.501717
ENSMUSG00000099689.7,Zfp383,protein_coding	-0.284	0.230141
ENSMUSG00000064655.3,Gm25788,snoRNA	-0.284	0.535796
ENSMUSG00000104026.2,Gm37212,TEC	-0.2842	0.559874
ENSMUSG00000028584.4,Lrrc38,protein_coding	-0.2843	0.669252
ENSMUSG00000083152.2,Apc-ps1,transcribed_processed_pseudogene	-0.2843	0.676064
ENSMUSG00000078700.13,D030028A08Rik,lncRNA	-0.2844	0.310722
ENSMUSG00000047502.15,Mroh7,protein_coding	-0.2844	0.4891
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ENSMUSG00000021123.13,Rdh12,protein_coding	-0.2845	0.538826
ENSMUSG00000068196.6,Col8a1,protein_coding	-0.2847	0.546516
ENSMUSG00000117286.2,Gm1043,protein_coding	-0.2847	0.496208
ENSMUSG00000066800.12,Rnasel,protein_coding	-0.2848	0.43484
ENSMUSG00000102732.2,Gm37342,TEC	-0.2848	0.494586
ENSMUSG00000019916.15,P4ha1,protein_coding	-0.2849	0.142907
ENSMUSG00000040658.8,Dnph1,protein_coding	-0.285	0.489482
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ENSMUSG00000134859.1,ENSMUSG00000134859,lncRNA	-0.285	0.705871
ENSMUSG00000120340.2,A330069E16Rik,lncRNA	-0.2852	0.489518
ENSMUSG00000035158.16,Mitf,protein_coding	-0.2853	0.207389

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ENSMUSG00000107815.3,Gm44257,lncRNA	-0.2853	0.548465
ENSMUSG00000002307.17,Daxx,protein_coding	-0.2854	0.179974
ENSMUSG00000101942.3,Gm19582,lncRNA	-0.2854	0.714456
ENSMUSG00000036872.17,Abcc12,protein_coding	-0.2854	0.581122
ENSMUSG00000029326.14,Enoph1,protein_coding	-0.2855	0.21505
ENSMUSG00000020464.16,Pnpt1,protein_coding	-0.2855	0.21713
ENSMUSG00000032092.6,Mpzl2,protein_coding	-0.2856	0.711273
ENSMUSG00000028780.14,Sema3c,protein_coding	-0.2856	0.339819
ENSMUSG00000116946.4,Gm41442,lncRNA	-0.2856	0.548547
ENSMUSG00000103094.2,Gm37558,TEC	-0.2857	0.429762
ENSMUSG00000056258.10,Kcnq3,protein_coding	-0.2857	0.403259
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ENSMUSG00000038372.15,Gmds,protein_coding	-0.2859	0.20534
ENSMUSG00000001942.9,Siae,protein_coding	-0.2859	0.118541
ENSMUSG00000050900.6,Gm7327,transcribed_processed_pseudogene	-0.2859	0.596533
ENSMUSG00000108314.2,Prkcz2,processed_pseudogene	-0.2861	0.716734
ENSMUSG00000022370.14,Mrpl13,protein_coding	-0.2861	0.1749
ENSMUSG00000116397.2,Gm49525,TEC	-0.2862	0.665268
ENSMUSG00000038764.15,Ptpn3,protein_coding	-0.2862	0.234828
ENSMUSG00000002109.15,Ddb2,protein_coding	-0.2862	0.287849
ENSMUSG00000112332.2,4930466K18Rik,TEC	-0.2863	0.402876
ENSMUSG00000090119.2,Gm8185,processed_pseudogene	-0.2863	0.616106
ENSMUSG00000100164.3,2610306M01Rik,lncRNA	-0.2863	0.350105
ENSMUSG00000028578.9,Caap1,protein_coding	-0.2865	0.412762
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ENSMUSG00000031255.15,Sytl4,protein_coding	-0.2866	0.647424
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ENSMUSG00000114266.2,Gm10403,TEC	-0.287	0.589382
ENSMUSG00000020328.11,Nudcd2,protein_coding	-0.287	0.396192
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ENSMUSG00000091890.3,A830073O21Rik,TEC	-0.2871	0.548885
ENSMUSG00000090071.5,Cdk5r2,protein_coding	-0.2872	0.454411
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ENSMUSG00000024479.4,Mal2,protein_coding	-0.2885	0.497358
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ENSMUSG00000020289.16,Nprl3,protein_coding	-0.292	0.125102
ENSMUSG00000021177.17,Tdp1,protein_coding	-0.2921	0.274836
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ENSMUSG00000030067.18,Foxp1,protein_coding	-0.2948	0.404092
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ENSMUSG00000052539.16,Magi3,protein_coding	-0.2961	0.241611
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ENSMUSG00000074826.11,Ramacl,protein_coding	-0.2968	0.514646
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ENSMUSG00000055026.14,Gabrg3,protein_coding	-0.2983	0.430473
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ENSMUSG00000044934.14,Zfp367,protein_coding	-0.2984	0.3572
ENSMUSG00000037466.14,Tedc1,protein_coding	-0.2984	0.704621
ENSMUSG00000047992.12,Dipk1c,protein_coding	-0.2984	0.394681
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ENSMUSG00000121236.2,Gm57463,lncRNA	-0.2993	0.47815
ENSMUSG00000060548.14,Tnfrsf19,protein_coding	-0.2994	0.182952
ENSMUSG00000027641.14,Rbl1,protein_coding	-0.2999	0.733591
ENSMUSG00000106646.2,Gm42483,TEC	-0.3001	0.443105
ENSMUSG00000115012.3,9630009A06Rik,lncRNA	-0.3002	0.634379
ENSMUSG00000097021.9,4933433G15Rik,lncRNA	-0.3003	0.426524
ENSMUSG00000086665.4,Gm13067,lncRNA	-0.3004	0.578169
ENSMUSG00000063142.17,Kcnma1,protein_coding	-0.3006	0.28334
ENSMUSG00000054196.8,Cthrc1,protein_coding	-0.301	0.359475
ENSMUSG00000026095.16,Asnsd1,protein_coding	-0.3011	0.366297
ENSMUSG00000034911.9,Ushbp1,protein_coding	-0.3011	0.336154
ENSMUSG00000026068.12,Il18rap,protein_coding	-0.3014	0.741702
ENSMUSG00000108819.2,Gm45177,TEC	-0.3015	0.567149
ENSMUSG00000081236.2,Gm13574,processed_pseudogene	-0.3015	0.681803
ENSMUSG00000049946.8,BC030500,protein_coding	-0.3016	0.444009
ENSMUSG00000107840.2,Gm44241,TEC	-0.3017	0.514605
ENSMUSG00000034917.9,Tjp3,protein_coding	-0.3017	0.721777
ENSMUSG00000022376.9,Adcy8,protein_coding	-0.3019	0.184562
ENSMUSG00000037014.5,Sstr4,protein_coding	-0.302	0.606892
ENSMUSG00000028358.16,Zfp618,protein_coding	-0.302	0.338836
ENSMUSG00000028028.12,Alpk1,protein_coding	-0.302	0.262846
ENSMUSG00000034687.9,Fras1,protein_coding	-0.3021	0.473282
ENSMUSG00000042284.11,Itga1,protein_coding	-0.3021	0.120364
ENSMUSG00000106988.2,Tsg101-ps,processed_pseudogene	-0.3021	0.599572
ENSMUSG00000060579.14,Fhit,protein_coding	-0.3023	0.534545
ENSMUSG00000067365.12,Tmem128,protein_coding	-0.3025	0.28516
ENSMUSG00000022125.8,Cln5,protein_coding	-0.3026	0.308945
ENSMUSG00000107118.2,Gm42986,TEC	-0.3027	0.363493
ENSMUSG00000114016.2,Gm47258,TEC	-0.3032	0.414763
ENSMUSG00000034163.11,Zfc3h1,protein_coding	-0.3033	0.165768
ENSMUSG00000079434.9,Neu2,protein_coding	-0.3034	0.659402
ENSMUSG00000036273.16,Lrrk2,protein_coding	-0.3035	0.30938
ENSMUSG00000124246.1,ENSMUSG00000124246,lncRNA	-0.3036	0.525377
ENSMUSG00000105289.2,Gm43483,TEC	-0.3037	0.329296
ENSMUSG00000105011.2,Gm43210,TEC	-0.3038	0.33806
ENSMUSG00000119848.1,Gm25380,snRNA	-0.3038	0.740015
ENSMUSG00000091272.3,Gm17641,TEC	-0.3038	0.679067
ENSMUSG00000084890.4,A830036E02Rik,lncRNA	-0.3038	0.613944
ENSMUSG00000072941.6,Sod3,protein_coding	-0.304	0.423052
ENSMUSG00000108738.3,Gm44777,lncRNA	-0.304	0.509758
ENSMUSG00000087636.2,Gm4660,processed_pseudogene	-0.3043	0.732003
ENSMUSG00000098295.3,Gm19872,lncRNA	-0.3044	0.713835
ENSMUSG00000042743.14,Sgtb,protein_coding	-0.3045	0.352773
ENSMUSG00000109958.3,Gm32786,lncRNA	-0.3045	0.333343
ENSMUSG00000024660.10,Incenp,protein_coding	-0.3046	0.54384

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ENSMUSG00000032224.16,Fam81a,protein_coding	-0.3049	0.432421
ENSMUSG00000026333.15,Gin1,protein_coding	-0.3049	0.235826
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ENSMUSG00000020024.8,Cep83,protein_coding	-0.305	0.096911
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ENSMUSG00000047635.7,Mtrfr,protein_coding	-0.3052	0.258604
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ENSMUSG00000108465.2,Gm45110,TEC	-0.3055	0.459012
ENSMUSG00000097323.4,4930426I24Rik,lncRNA	-0.3055	0.544497
ENSMUSG00000075271.5,Ift70a1,protein_coding	-0.3056	0.357638
ENSMUSG00000106990.2,Gm42547,TEC	-0.3057	0.185302
ENSMUSG00000044201.11,Cdc25c,protein_coding	-0.3057	0.799338
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ENSMUSG00000057093.15,Zfp607b,protein_coding	-0.3059	0.221819
ENSMUSG00000031245.9,Hmgn5,protein_coding	-0.306	0.543056
ENSMUSG00000022321.16,Cdh10,protein_coding	-0.3062	0.18542
ENSMUSG00000056131.14,Pgm3,protein_coding	-0.3063	0.101024
ENSMUSG00000026471.15,Mr1,protein_coding	-0.3063	0.245143
ENSMUSG00000116075.3,Gm49476,lncRNA	-0.3063	0.514245
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ENSMUSG00000029211.12,Gabra4,protein_coding	-0.3066	0.443034
ENSMUSG00000128858.1,Gm36298,lncRNA	-0.3067	0.504216
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ENSMUSG00000131495.1,ENSMUSG00000131495,lncRNA	-0.3067	0.645613
ENSMUSG00000028619.16,Tceanc2,protein_coding	-0.3069	0.07796
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ENSMUSG00000111340.2,Gm47171,TEC	-0.3074	0.56044
ENSMUSG00000032360.17,Hcrtr2,protein_coding	-0.3075	0.454036
ENSMUSG00000041444.15,Arhgap32,protein_coding	-0.3076	0.368048
ENSMUSG00000022514.15,Il1rap,protein_coding	-0.3078	0.201941
ENSMUSG00000063364.11,3300002I08Rik,protein_coding	-0.3079	0.323526
ENSMUSG00000057176.5,Cfap119,protein_coding	-0.308	0.446792
ENSMUSG00000004018.10,Fancl,protein_coding	-0.308	0.473617
ENSMUSG00000108146.2,Gm43889,TEC	-0.3083	0.306013
ENSMUSG00000098206.3,Mir181a-1hg,lncRNA	-0.3083	0.505699
ENSMUSG00000082575.2,Eef2-ps2,processed_pseudogene	-0.3083	0.751307
ENSMUSG00000021319.8,Sfrp4,protein_coding	-0.3087	0.430389
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ENSMUSG00000000416.17,Cttnbp2,protein_coding	-0.3089	0.375093
ENSMUSG00000032680.12,6820408C15Rik,protein_coding	-0.309	0.591386
ENSMUSG00000020836.16,Coro6,protein_coding	-0.309	0.181108
ENSMUSG00000118559.3,A930007A09Rik,protein_coding	-0.3091	0.305225
ENSMUSG00000112825.2,Gm9118,processed_pseudogene	-0.3091	0.72285

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ENSMUSG00000024395.10,Lims2,protein_coding	-0.3092	0.513811
ENSMUSG00000079017.4,Ifi27l2a,protein_coding	-0.3092	0.748083
ENSMUSG00000001517.15,Foxm1,protein_coding	-0.3093	0.778006
ENSMUSG00000034413.15,Neurl1b,protein_coding	-0.3093	0.508435
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ENSMUSG00000103495.2,Gm37409,TEC	-0.3099	0.429953
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ENSMUSG00000025737.6,Wdr24,protein_coding	-0.3103	0.10788
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ENSMUSG00000085811.2,Cep112it,lncRNA	-0.3104	0.486888
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ENSMUSG00000069874.8,Irgm2,protein_coding	-0.3128	0.740378
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ENSMUSG00000016356.19,Col20a1,protein_coding	-0.3135	0.419467
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ENSMUSG00000061731.10,Ext1,protein_coding	-0.3177	0.121312
ENSMUSG00000107225.2,Gm43637,TEC	-0.3178	0.483156
ENSMUSG00000050840.9,Cdh20,protein_coding	-0.3178	0.118709
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ENSMUSG00000115252.2,Gm48996,TEC	-0.3181	0.514103
ENSMUSG00000109037.2,C030038I04Rik,TEC	-0.3183	0.592579
ENSMUSG00000078247.8,Airn,lncRNA	-0.3183	0.611421
ENSMUSG00000143224.1,ENSMUSG00000143224,lncRNA	-0.3184	0.823107
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ENSMUSG00000073448.5,Gm10509,protein_coding	-0.3185	0.207103
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ENSMUSG00000071636.9,Rimbp3,protein_coding	-0.3191	0.538358
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ENSMUSG00000090958.3,Lrrc32,protein_coding	-0.3191	0.307988
ENSMUSG00000039089.16,L3mbtl3,protein_coding	-0.3192	0.093011
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ENSMUSG00000024617.17,Camk2a,protein_coding	-0.3194	0.441524
ENSMUSG00000063889.17,Crem,protein_coding	-0.3196	0.170033
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ENSMUSG00000117943.2,Gm50403,TEC	-0.323	0.499501
ENSMUSG00002076971.1,Snord100,snoRNA	-0.3231	0.667167
ENSMUSG00000102555.2,6430511E19Rik,TEC	-0.3232	0.308134
ENSMUSG00000059203.11,Il1rapl2,protein_coding	-0.3235	0.556294
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ENSMUSG00000139121.1,ENSMUSG00000139121,lncRNA	-0.3236	0.75426
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ENSMUSG00000036553.17,Sh3tc1,protein_coding	-0.3241	0.551067
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ENSMUSG00000005968.15,Tuft1,protein_coding	-0.3242	0.416197
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ENSMUSG00000028018.16,Gstcd,protein_coding	-0.3244	0.413895
ENSMUSG00000049871.15,Nlrc3,protein_coding	-0.3246	0.558714
ENSMUSG00000086308.4,G630016G05Rik,lncRNA	-0.3247	0.552803
ENSMUSG00000107913.2,Gm43871,TEC	-0.3247	0.491269
ENSMUSG00000018740.15,Slc25a35,protein_coding	-0.3248	0.244261
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ENSMUSG00000033356.4,Pus7l,protein_coding	-0.3252	0.378995
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ENSMUSG00000022449.15,Adamts20,protein_coding	-0.3254	0.283758
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ENSMUSG00000050732.10,Vamp8,protein_coding	-0.3254	0.467689
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ENSMUSG00000014776.8,Nol3,protein_coding	-0.3255	0.284902
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ENSMUSG00000044991.11,Shld1,protein_coding	-0.3255	0.27527
ENSMUSG00000003283.16,Hck,protein_coding	-0.3256	0.649462
ENSMUSG00000117183.2,Gm20008,transcribed_processed_pseudogene	-0.3256	0.488655
ENSMUSG00000104041.2,Gm37562,TEC	-0.3257	0.45395
ENSMUSG00000021469.10,Msx2,protein_coding	-0.3258	0.684735
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ENSMUSG00000003354.7,Ccdc65,protein_coding	-0.3259	0.471827
ENSMUSG00000048978.15,Nrsn1,protein_coding	-0.326	0.322907
ENSMUSG00000060586.12,H2-Eb1,protein_coding	-0.326	0.796092
ENSMUSG00000034903.19,Cobll1,protein_coding	-0.3261	0.096839
ENSMUSG00000089922.3,Gm43517,protein_coding	-0.3262	0.567674
ENSMUSG00000035868.10,Zfp983,protein_coding	-0.3262	0.102899
ENSMUSG00000003746.17,Man1a,protein_coding	-0.3264	0.30881
ENSMUSG00000031586.18,Rbpms,protein_coding	-0.3266	0.297303
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ENSMUSG00000028883.20,Sema3a,protein_coding	-0.3268	0.31654
ENSMUSG00000086539.10,Gm16759,lncRNA	-0.3268	0.351122
ENSMUSG00000000579.15,Dynlt1c,protein_coding	-0.3269	0.504264
ENSMUSG00000115087.2,Gm48998,TEC	-0.3269	0.453866
ENSMUSG00000103780.2,Gm37524,TEC	-0.3269	0.327596
ENSMUSG00000104671.2,Gm43062,lncRNA	-0.327	0.582432
ENSMUSG00000121444.1,ENSMUSG00000121444,lncRNA	-0.3271	0.501514
ENSMUSG00000106528.2,Gm42841,TEC	-0.3272	0.445705
ENSMUSG00000040705.4,A930016O22Rik,lncRNA	-0.3274	0.614101
ENSMUSG00000003581.15,Rnf215,protein_coding	-0.3275	0.157155
ENSMUSG00000124114.1,ENSMUSG00000124114,lncRNA	-0.3275	0.363079
ENSMUSG00000037999.14,Arap2,protein_coding	-0.328	0.122273
ENSMUSG00000025473.17,Adam8,protein_coding	-0.328	0.414044
ENSMUSG00000034317.15,Trim59,protein_coding	-0.3282	0.474834
ENSMUSG00000104184.2,Gm37818,TEC	-0.3284	0.491301
ENSMUSG00000098332.3,Pigbos1,protein_coding	-0.3284	0.203856
ENSMUSG00000003623.5,Crot,protein_coding	-0.3284	0.089171
ENSMUSG00000035697.15,Arhgap45,protein_coding	-0.3286	0.730622
ENSMUSG00000120849.2,Gm56768,lncRNA	-0.3289	0.303656
ENSMUSG00000106332.2,Gm43506,TEC	-0.329	0.601797
ENSMUSG00000029535.5,Triap1,protein_coding	-0.329	0.195736
ENSMUSG00000039545.17,Flicr,lncRNA	-0.329	0.67857
ENSMUSG00000054894.7,Dmac2l,protein_coding	-0.3291	0.15048
ENSMUSG00000067916.10,Zfp991,protein_coding	-0.3291	0.577783
ENSMUSG00000062944.5,Zfp696,protein_coding	-0.3292	0.27725
ENSMUSG00000032089.17,Il10ra,protein_coding	-0.3295	0.545321
ENSMUSG00000038623.10,Tm6sf1,protein_coding	-0.3295	0.127798
ENSMUSG00000031997.10,Trpc6,protein_coding	-0.3297	0.511847
ENSMUSG00000029070.10,Mxra8,protein_coding	-0.3298	0.194503
ENSMUSG00000064267.14,Hvcn1,protein_coding	-0.3299	0.796581
ENSMUSG00000086526.4,Gm12762,lncRNA	-0.3304	0.515492
ENSMUSG00000032265.15,Tent5a,protein_coding	-0.3304	0.287697
ENSMUSG00000112550.2,Gm6627,transcribed_processed_pseudogene	-0.3305	0.600098
ENSMUSG00000022335.18,Zfat,protein_coding	-0.3307	0.136318
ENSMUSG00000071112.13,Spx,protein_coding	-0.3308	0.579763
ENSMUSG00000044150.13,Bclaf3,protein_coding	-0.3309	0.433955
ENSMUSG00000040936.16,Ulk4,protein_coding	-0.331	0.359959
ENSMUSG00000048163.14,Selplg,protein_coding	-0.3312	0.486712
ENSMUSG00000099923.5,1700105P06Rik,lncRNA	-0.3313	0.4071
ENSMUSG00000030353.16,Tead4,protein_coding	-0.3314	0.739279
ENSMUSG00000113965.2,A730091E23Rik,TEC	-0.3314	0.31397
ENSMUSG00000113326.2,Gm47586,TEC	-0.3316	0.298382
ENSMUSG00000114025.2,Gm49331,transcribed_unprocessed_pseudogene	-0.3316	0.500987

ENSMUSG00000097223.4,Gm2449,lncRNA	-0.3316	0.579755
ENSMUSG00000103805.2,Gm37063,TEC	-0.3317	0.368124
ENSMUSG00000136916.1,ENSMUSG00000136916,lncRNA	-0.3317	0.554752
ENSMUSG00000109006.5,B230209E15Rik,lncRNA	-0.3318	0.286724
ENSMUSG00000020553.9,Pctp,protein_coding	-0.332	0.562993
ENSMUSG00000085912.4,Trp53cor1,lncRNA	-0.3321	0.644091
ENSMUSG00000018417.15,Myo1b,protein_coding	-0.3322	0.305323
ENSMUSG00000112576.2,Gm47621,TEC	-0.3323	0.534781
ENSMUSG00000074235.6,Gm10649,lncRNA	-0.3324	0.231631
ENSMUSG00000093668.4,Pou5f2,protein_coding	-0.3325	0.384609
ENSMUSG00000113216.4,Gm40841,lncRNA	-0.3325	0.225735
ENSMUSG00000021219.17,Rgs6,protein_coding	-0.3326	0.264842
ENSMUSG00000113288.2,Gm47982,TEC	-0.3328	0.360075
ENSMUSG00000126153.1,ENSMUSG00000126153,lncRNA	-0.333	0.684365
ENSMUSG00000035506.17,Slc12a8,protein_coding	-0.3334	0.494311
ENSMUSG00000086944.2,Gm15859,lncRNA	-0.3335	0.484401
ENSMUSG00000115842.2,Gm49092,lncRNA	-0.3335	0.472279
ENSMUSG00000038225.16,Primpol,protein_coding	-0.3336	0.416874
ENSMUSG00000107996.2,Gm44228,TEC	-0.3338	0.468676
ENSMUSG00000118504.2,Gm53012,protein_coding	-0.3338	0.172763
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ENSMUSG00000039391.12,Ccdc81,protein_coding	-0.3342	0.648639
ENSMUSG00000047216.9,Cdh19,protein_coding	-0.3345	0.156872
ENSMUSG00000084898.4,Gm12371,lncRNA	-0.3345	0.481299
ENSMUSG00000030351.6,Tspan11,protein_coding	-0.3345	0.253114
ENSMUSG00000087040.3,Gm14033,lncRNA	-0.3346	0.728482
ENSMUSG00000029428.14,Stx2,protein_coding	-0.3347	0.206777
ENSMUSG00000043648.8,Pld6,protein_coding	-0.3351	0.524525
ENSMUSG00000115224.2,Gm49215,processed_pseudogene	-0.3351	0.592426
ENSMUSG00000104145.2,D130019J16Rik,TEC	-0.3352	0.520958
ENSMUSG00000069083.5,Gm10259,processed_pseudogene	-0.3352	0.904533
ENSMUSG00000045103.20,Dmd,protein_coding	-0.3354	0.161464
ENSMUSG00000085654.3,Gm12536,lncRNA	-0.3356	0.498152
ENSMUSG00000104469.2,Gm37663,TEC	-0.3356	0.451467
ENSMUSG00000054409.6,Tmem74,protein_coding	-0.3356	0.234648
ENSMUSG00000013155.11,Enkd1,protein_coding	-0.3357	0.389049
ENSMUSG00000064289.16,Tank,protein_coding	-0.3359	0.141944
ENSMUSG00000064772.3,Gm25202,snRNA	-0.336	0.685233
ENSMUSG00000036964.15,Trim17,protein_coding	-0.3362	0.27385
ENSMUSG00000113425.2,Gm48653,lncRNA	-0.3362	0.408381
ENSMUSG00000027242.15,Wdr76,protein_coding	-0.3362	0.578582
ENSMUSG00000064405.3,Gm23925,snoRNA	-0.3363	0.67337
ENSMUSG00000039781.16,Cep131,protein_coding	-0.3364	0.251669
ENSMUSG00000096727.4,Psmb9,protein_coding	-0.3364	0.742515
ENSMUSG00000103065.2,Gm20236,TEC	-0.3365	0.491223
ENSMUSG00000103720.2,Gm37094,TEC	-0.3365	0.491223
ENSMUSG00000019866.16,Crybg1,protein_coding	-0.3366	0.638723
ENSMUSG00000031109.18,Enox2,protein_coding	-0.337	0.264395
ENSMUSG00000103662.2,Gm34294,TEC	-0.3371	0.50964
ENSMUSG00000103192.2,Gm37645,TEC	-0.3372	0.442323
ENSMUSG00000085665.3,Gm12059,lncRNA	-0.3373	0.615566
ENSMUSG00000118380.3,Gm36037,lncRNA	-0.3374	0.656335

ENSMUSG00000006717.8,Acot13,protein_coding	-0.3375	0.138175
ENSMUSG00000037991.10,Rmi2,protein_coding	-0.3376	0.751041
ENSMUSG00000026483.14,Niban1,protein_coding	-0.3376	0.35052
ENSMUSG00000025404.16,R3hdm2,protein_coding	-0.3379	0.078241
ENSMUSG00000051000.18,Fhip1a,protein_coding	-0.3381	0.36141
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ENSMUSG00000024691.14,Fam111a,protein_coding	-0.3382	0.775282
ENSMUSG00000046550.9,Spin2c,protein_coding	-0.3382	0.37957
ENSMUSG00000085828.2,Gm15612,lncRNA	-0.3383	0.538955
ENSMUSG00000045659.19,Plekha7,protein_coding	-0.3383	0.24193
ENSMUSG00000024841.9,Eif1ad,protein_coding	-0.3385	0.144191
ENSMUSG00000064823.3,Snord82,snoRNA	-0.3385	0.588224
ENSMUSG00000062981.6,Mrpl42,protein_coding	-0.3388	0.06135
ENSMUSG00000024565.11,Sall3,protein_coding	-0.3389	0.453066
ENSMUSG00000086918.4,4930429F24Rik,lncRNA	-0.3389	0.433588
ENSMUSG00000018387.13,Shroom1,protein_coding	-0.339	0.371279
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ENSMUSG00000120709.2,Gm56535,lncRNA	-0.3391	0.389621
ENSMUSG00000027983.14,Cyp2u1,protein_coding	-0.3394	0.058462
ENSMUSG00000123587.1,ENSMUSG00000123587,lncRNA	-0.3395	0.440536
ENSMUSG00000021760.6,Gpx8,protein_coding	-0.3395	0.362212
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ENSMUSG00000071753.16,Cdr1os,lncRNA	-0.3397	0.440005
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ENSMUSG00000082738.2,Gm15422,processed_pseudogene	-0.3398	0.608707
ENSMUSG00000139076.1,ENSMUSG00000139076,lncRNA	-0.3399	0.392487
ENSMUSG00000032060.11,Cryab,protein_coding	-0.34	0.162058
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ENSMUSG00000103225.2,Gm37731,TEC	-0.3405	0.377513
ENSMUSG00000020212.15,Mdm1,protein_coding	-0.3406	0.27185
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ENSMUSG00000050556.10,Kcnb1,protein_coding	-0.3408	0.361914
ENSMUSG00000103706.2,6820402A03Rik,TEC	-0.3408	0.697856
ENSMUSG00000116493.3,Gm49445,lncRNA	-0.3409	0.390106
ENSMUSG00000008129.15,Brme1,protein_coding	-0.3413	0.415309
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ENSMUSG00000050663.9,Trhde,protein_coding	-0.3418	0.305896
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ENSMUSG00000085882.4,2610507I01Rik,lncRNA	-0.342	0.333767
ENSMUSG00000110569.2,Gm18860,processed_pseudogene	-0.3422	0.469985
ENSMUSG00000028266.18,Lmo4,protein_coding	-0.3423	0.235779
ENSMUSG00000019966.19,Kitl,protein_coding	-0.3423	0.27193
ENSMUSG00000021363.15,Mak,protein_coding	-0.3424	0.376763
ENSMUSG00000085977.2,Gm5970,processed_pseudogene	-0.3425	0.731014
ENSMUSG00000108910.2,Gm44625,TEC	-0.3426	0.545286
ENSMUSG00000024177.10,Nme4,protein_coding	-0.3427	0.500067
ENSMUSG00000048921.12,Zfp689,protein_coding	-0.343	0.229106
ENSMUSG00000107483.2,Gm44288,TEC	-0.343	0.40123
ENSMUSG00000108055.2,Gm43876,TEC	-0.343	0.243887
ENSMUSG00000137596.1,ENSMUSG00000137596,lncRNA	-0.343	0.361199

ENSMUSG00000108536.2,Gm45059,TEC	-0.3433	0.581712
ENSMUSG00000068962.8,Zfp114,protein_coding	-0.3436	0.206303
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ENSMUSG00000024592.16,C330018D20Rik,protein_coding	-0.3439	0.267023
ENSMUSG00000031665.8,Sall1,protein_coding	-0.3439	0.24369
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ENSMUSG00000040495.5,Chrm4,protein_coding	-0.3444	0.618951
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ENSMUSG00000032649.15,Colgalt2,protein_coding	-0.3445	0.3243
ENSMUSG00000031558.16,Slit2,protein_coding	-0.3447	0.314384
ENSMUSG00000106025.2,Gm42940,TEC	-0.3447	0.54524
ENSMUSG00000100599.5,1700120C14Rik,lncRNA	-0.3448	0.479927
ENSMUSG00000018604.19,Tbx3,protein_coding	-0.3449	0.296954
ENSMUSG00000032035.17,Ets1,protein_coding	-0.3451	0.389569
ENSMUSG00000105728.2,Gm42819,TEC	-0.3454	0.282504
ENSMUSG00000033847.16,Pla2g4c,protein_coding	-0.3455	0.56929
ENSMUSG00000038010.10,Ccdc138,protein_coding	-0.3455	0.240491
ENSMUSG00000139170.1,ENSMUSG00000139170,lncRNA	-0.3457	0.587614
ENSMUSG00000071745.2,Pwwp4b,protein_coding	-0.346	0.749715
ENSMUSG00000135126.1,ENSMUSG00000135126,lncRNA	-0.3463	0.574304
ENSMUSG00000043336.15,Filip1l,protein_coding	-0.3464	0.597766
ENSMUSG00000022246.15,Rai14,protein_coding	-0.3466	0.083148
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ENSMUSG00000079427.11,Mthfsl,protein_coding	-0.3469	0.142503
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ENSMUSG00000024669.9,Cd5,protein_coding	-0.3475	0.714209
ENSMUSG00000085193.3,Gm13322,lncRNA	-0.3478	0.517027
ENSMUSG00000038496.17,Slc19a3,protein_coding	-0.348	0.417356
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ENSMUSG00000021217.8,Tshz3,protein_coding	-0.3482	0.249597
ENSMUSG00000033852.17,Gm28042,protein_coding	-0.3482	0.655897
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ENSMUSG00000041468.8,Gpr12,protein_coding	-0.3484	0.28526
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ENSMUSG00000039146.6,Ifi44l,protein_coding	-0.3485	0.731674
ENSMUSG00000109576.2,Gm44704,TEC	-0.3486	0.347044
ENSMUSG00000053559.14,Smagp,protein_coding	-0.3486	0.761289
ENSMUSG00000094627.3,Gm10182,transcribed_processed_pseudogene	-0.3487	0.631415
ENSMUSG00000022887.10,Masp1,protein_coding	-0.3489	0.133643
ENSMUSG00000107705.2,Gm45062,protein_coding	-0.3489	0.30178
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ENSMUSG00000043488.8,Frmd8os,lncRNA	-0.3492	0.453269
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ENSMUSG00000107610.2,D530018E20Rik,TEC	-0.3496	0.215632
ENSMUSG00000073016.4,Uprt,protein_coding	-0.3496	0.312004
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ENSMUSG00000114267.2,Gm48600,TEC	-0.35	0.265721
ENSMUSG00000086825.2,Gm15675,lncRNA	-0.35	0.351601
ENSMUSG00000108594.2,Gm44770,TEC	-0.3503	0.390435
ENSMUSG00000086392.11,Mccc1os,lncRNA	-0.3503	0.402752
ENSMUSG00000039936.19,Pik3cd,protein_coding	-0.3504	0.409208

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ENSMUSG00000142127.1,ENSMUSG00000142127,lncRNA	-0.3506	0.635853
ENSMUSG00000061414.9,Cracr2a,protein_coding	-0.3507	0.393683
ENSMUSG00000089764.3,Gm16580,processed_pseudogene	-0.3508	0.670471
ENSMUSG00000047330.9,Kcne4,protein_coding	-0.3509	0.484984
ENSMUSG00000127347.1,ENSMUSG00000127347,lncRNA	-0.3511	0.604451
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ENSMUSG00000113842.2,Gm48138,TEC	-0.3513	0.363922
ENSMUSG00000018983.10,E2f2,protein_coding	-0.3516	0.751412
ENSMUSG00000084968.3,Gm12743,lncRNA	-0.3516	0.31481
ENSMUSG00000110079.2,Gm45292,TEC	-0.3518	0.289965
ENSMUSG00000042485.8,Mustn1,protein_coding	-0.3518	0.489344
ENSMUSG00000039774.13,Galnt12,protein_coding	-0.3518	0.572483
ENSMUSG00000109125.2,Gm45159,lncRNA	-0.3518	0.411729
ENSMUSG00000106443.2,Gm42702,lncRNA	-0.3521	0.301578
ENSMUSG00000040302.18,Rbm48,protein_coding	-0.3524	0.241391
ENSMUSG00000002325.16,Irf9,protein_coding	-0.3527	0.375352
ENSMUSG00000105489.3,Gm38562,lncRNA	-0.353	0.516869
ENSMUSG00000114835.2,Gm48194,lncRNA	-0.353	0.540815
ENSMUSG00000073771.12,Btbd19,protein_coding	-0.353	0.237726
ENSMUSG00000102253.2,Gm38259,TEC	-0.3531	0.330218
ENSMUSG00000032806.14,Slc10a3,protein_coding	-0.3533	0.425239
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ENSMUSG00000046879.8,Irgm1,protein_coding	-0.3534	0.687491
ENSMUSG00000061751.17,Kalrn,protein_coding	-0.3534	0.316436
ENSMUSG00000104709.2,Gm42484,TEC	-0.3536	0.354219
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ENSMUSG00000033906.6,Zdhhc15,protein_coding	-0.3537	0.173686
ENSMUSG00000104488.2,Gm38062,TEC	-0.3537	0.262577
ENSMUSG00000019785.15,Clvs2,protein_coding	-0.3537	0.260299
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ENSMUSG00000044646.16,Zbtb7c,protein_coding	-0.3542	0.471079
ENSMUSG00000020690.14,Efcab3,protein_coding	-0.3549	0.731697
ENSMUSG00000105868.2,Gm43766,TEC	-0.3549	0.598949
ENSMUSG00000022881.16,Rfc4,protein_coding	-0.355	0.607607
ENSMUSG00000133344.1,ENSMUSG00000133344,lncRNA	-0.355	0.265847
ENSMUSG00000050936.7,Gm42743,lncRNA	-0.3551	0.526325
ENSMUSG00000107128.2,Gm42867,TEC	-0.3553	0.387847
ENSMUSG00000121845.2,ENSMUSG00000121845,lncRNA	-0.3554	0.593652
ENSMUSG00000027863.9,Cd2,protein_coding	-0.3555	0.675496
ENSMUSG00000104583.2,Gm42701,lncRNA	-0.3556	0.514427
ENSMUSG00000097393.11,D030068K23Rik,lncRNA	-0.3556	0.42525
ENSMUSG00000082812.2,Gm14860,processed_pseudogene	-0.3557	0.5903
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ENSMUSG00000024663.21,Rab3il1,protein_coding	-0.3562	0.286952
ENSMUSG00000014245.9,Pigl,protein_coding	-0.3562	0.227641
ENSMUSG00000031487.6,Brf2,protein_coding	-0.3562	0.111613
ENSMUSG00000026064.17,Ptp4a1,protein_coding	-0.3563	0.560509

ENSMUSG00000042349.14,Ikbke,protein_coding	-0.3564	0.625052
ENSMUSG00000067297.6,Ifit1bl2,protein_coding	-0.3567	0.371196
ENSMUSG00000093413.3,Snora15,snoRNA	-0.3569	0.643771
ENSMUSG00000039997.17,Ifi203,protein_coding	-0.3569	0.572009
ENSMUSG00000083364.5,Llph-ps2,processed_pseudogene	-0.357	0.302288
ENSMUSG00000104852.2,Gm43201,TEC	-0.357	0.49183
ENSMUSG00000039497.9,Dse,protein_coding	-0.3576	0.251303
ENSMUSG00000043964.15,Orai3,protein_coding	-0.3577	0.158955
ENSMUSG00000050830.18,Vwc2,protein_coding	-0.3577	0.184962
ENSMUSG00000106490.2,Gm43283,TEC	-0.3578	0.515401
ENSMUSG00000106549.2,Gm42653,TEC	-0.3578	0.412221
ENSMUSG00000033377.15,Palmd,protein_coding	-0.3579	0.244995
ENSMUSG00000104017.2,Gm37363,TEC	-0.3579	0.352129
ENSMUSG00000121810.1,Pphln1-ps1,lncRNA	-0.358	0.506987
ENSMUSG00000027971.17,Ndst4,protein_coding	-0.3582	0.372506
ENSMUSG00000025647.17,Shisa5,protein_coding	-0.3584	0.389192
ENSMUSG00000138188.1,ENSMUSG00000138188,lncRNA	-0.3585	0.265643
ENSMUSG00000112652.3,4921516A02Rik,lncRNA	-0.3586	0.566665
ENSMUSG00000113811.3,Gm47882,lncRNA	-0.3587	0.565144
ENSMUSG00000042345.16,Ubash3a,protein_coding	-0.3588	0.684871
ENSMUSG00000045657.4,Pcdhb10,protein_coding	-0.3588	0.309669
ENSMUSG00000128256.1,ENSMUSG00000128256,lncRNA	-0.3589	0.536717
ENSMUSG00000019312.11,Grb7,protein_coding	-0.3589	0.449492
ENSMUSG00000120062.2,Gm56833,lncRNA	-0.359	0.497358
ENSMUSG00000087022.7,9130024F11Rik,lncRNA	-0.359	0.493264
ENSMUSG00000107230.4,Gm19265,lncRNA	-0.359	0.328519
ENSMUSG00000041649.14,Klf8,protein_coding	-0.3593	0.062277
ENSMUSG00000056486.19,Chn1,protein_coding	-0.3601	0.391311
ENSMUSG00000055184.5,Fam72a,protein_coding	-0.3601	0.609765
ENSMUSG00000057606.15,Colq,protein_coding	-0.3604	0.464342
ENSMUSG00000079304.6,Tex52,protein_coding	-0.3606	0.585574
ENSMUSG00000032368.15,Zic1,protein_coding	-0.3608	0.580176
ENSMUSG00000032567.17,Aste1,protein_coding	-0.3608	0.237998
ENSMUSG00000041878.4,8430432A02Rik,lncRNA	-0.361	0.537736
ENSMUSG00000108753.2,Gm45094,TEC	-0.361	0.448782
ENSMUSG00000104501.2,Gm37736,TEC	-0.3613	0.233028
ENSMUSG00000035105.6,Egln3,protein_coding	-0.3613	0.160284
ENSMUSG00000031982.6,Arv1,protein_coding	-0.3614	0.198292
ENSMUSG00000107197.2,Gm43312,TEC	-0.3615	0.315045
ENSMUSG00000043487.5,Acot6,protein_coding	-0.3615	0.060978
ENSMUSG00000069208.10,Zfp825,protein_coding	-0.3618	0.330404
ENSMUSG00000113780.3,Gm33195,lncRNA	-0.3618	0.599104
ENSMUSG00000141440.1,ENSMUSG00000141440,lncRNA	-0.3619	0.351864
ENSMUSG00000105526.2,Gm43490,TEC	-0.3619	0.431592
ENSMUSG00000031490.7,Eif4ebp1,protein_coding	-0.362	0.741997
ENSMUSG00000040124.6,Gorab,protein_coding	-0.3622	0.114715
ENSMUSG00000068227.10,Il2rb,protein_coding	-0.3622	0.765084
ENSMUSG00000087496.4,Gm13523,lncRNA	-0.3623	0.61375
ENSMUSG00000022587.16,Ly6e,protein_coding	-0.3623	0.496094
ENSMUSG00000120906.1,Gm57036,lncRNA	-0.3623	0.364419
ENSMUSG00000105419.2,Gm43205,TEC	-0.3624	0.56915
ENSMUSG00000115867.4,Gm17753,lncRNA	-0.3625	0.406612

ENSMUSG00000071613.13,Gm10340,protein_coding	-0.3626	0.661594
ENSMUSG00000022419.17,Deptor,protein_coding	-0.3628	0.104175
ENSMUSG00000126666.1,ENSMUSG00000126666,lncRNA	-0.3629	0.514647
ENSMUSG00000086801.3,Gm15943,lncRNA	-0.3629	0.661705
ENSMUSG00000026888.15,Grb14,protein_coding	-0.3632	0.14183
ENSMUSG00000043794.10,D830025C05Rik,lncRNA	-0.3632	0.378949
ENSMUSG00000116811.2,Gm16385,processed_pseudogene	-0.3632	0.750291
ENSMUSG00000121374.2,Gm57504,lncRNA	-0.3635	0.406168
ENSMUSG00000044645.9,Gm7334,processed_pseudogene	-0.3636	0.465844
ENSMUSG00000101621.4,Gm28905,lncRNA	-0.3638	0.555989
ENSMUSG00000057219.12,Armc7,protein_coding	-0.3639	0.214405
ENSMUSG00000118671.1,Eppk1,protein_coding	-0.3643	0.809346
ENSMUSG00000062200.15,Vmn2r7,protein_coding	-0.3644	0.607409
ENSMUSG00002076155.1,AF357425,snoRNA	-0.3644	0.231309
ENSMUSG00000004872.16,Pax3,protein_coding	-0.3645	0.582234
ENSMUSG00000037820.16,Tgm2,protein_coding	-0.3646	0.52577
ENSMUSG00000018008.9,Cyth4,protein_coding	-0.3646	0.410414
ENSMUSG00000133777.1,ENSMUSG00000133777,lncRNA	-0.3646	0.732679
ENSMUSG00000114995.2,Gm49284,TEC	-0.3647	0.138079
ENSMUSG00000073236.7,2500004C02Rik,lncRNA	-0.365	0.191252
ENSMUSG00000027412.13,Lpin3,protein_coding	-0.365	0.566308
ENSMUSG00000033420.13,Antxr1,protein_coding	-0.365	0.053535
ENSMUSG00000029370.11,Rassf6,protein_coding	-0.3651	0.629646
ENSMUSG00000117869.2,Snhg4,lncRNA	-0.3659	0.42733
ENSMUSG00000118269.2,Gm50195,TEC	-0.3661	0.658573
ENSMUSG00000086331.2,Gm16310,lncRNA	-0.3662	0.477276
ENSMUSG00000065309.4,Gm23244,snRNA	-0.3663	0.738475
ENSMUSG00000082791.4,Gm4875,processed_pseudogene	-0.3665	0.313833
ENSMUSG00000063450.15,Syne2,protein_coding	-0.3665	0.217877
ENSMUSG00000090264.2,Eif4ebp3,protein_coding	-0.3666	0.464195
ENSMUSG00000069910.3,Spdl1,protein_coding	-0.3666	0.707143
ENSMUSG00000051998.15,Lax1,protein_coding	-0.3667	0.687178
ENSMUSG00000028033.17,Kcnq5,protein_coding	-0.3667	0.404282
ENSMUSG00000022377.17,Asap1,protein_coding	-0.3668	0.15331
ENSMUSG00000106714.2,Gm42546,TEC	-0.3669	0.596403
ENSMUSG00000137750.1,ENSMUSG00000137750,lncRNA	-0.367	0.163453
ENSMUSG00000003309.15,Ap1m2,protein_coding	-0.367	0.507625
ENSMUSG00000033849.4,B3galt2,protein_coding	-0.3671	0.222851
ENSMUSG00000090812.9,Samd15,protein_coding	-0.3676	0.400339
ENSMUSG00000050379.16,Septin6,protein_coding	-0.3679	0.04747
ENSMUSG00000025529.15,Zfp711,protein_coding	-0.368	0.151066
ENSMUSG00000048100.14,Taf13,protein_coding	-0.3683	0.083343
ENSMUSG00000120690.2,Gm56654,lncRNA	-0.3683	0.542014
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ENSMUSG00000055809.8,Dnaaf3,protein_coding	-0.3686	0.579384
ENSMUSG00000025817.14,Nudt5,protein_coding	-0.3688	0.21037
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ENSMUSG00000001504.11,Irx2,protein_coding	-0.3691	0.650002
ENSMUSG00000103343.2,Gm37052,TEC	-0.3695	0.320502
ENSMUSG00000114968.2,A630019I02Rik,lncRNA	-0.3695	0.671585

ENSMUSG00000097577.5,6230400D17Rik,lncRNA	-0.3699	0.216174
ENSMUSG00000040078.10,Ptges3-ps,transcribed_processed_pseudogene	-0.3701	0.448237
ENSMUSG00000138091.1,ENSMUSG00000138091,lncRNA	-0.3701	0.422646
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ENSMUSG00000113047.4,Gm47469,lncRNA	-0.3703	0.122198
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ENSMUSG00000042759.13,Apobr,protein_coding	-0.3705	0.620753
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ENSMUSG00000053964.18,Lgals4,protein_coding	-0.3706	0.409621
ENSMUSG00000033486.15,Catsper2,protein_coding	-0.3706	0.350942
ENSMUSG00000112367.2,A230081H15Rik,TEC	-0.3707	0.364842
ENSMUSG00000020832.15,Eral1,protein_coding	-0.3707	0.034041
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ENSMUSG00000030004.7,Nat8,protein_coding	-0.3742	0.457814
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ENSMUSG00000123227.1,ENSMUSG00000123227,lncRNA	-0.3762	0.499257
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ENSMUSG00000026686.15,Lmx1a,protein_coding	-0.3796	0.738077
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ENSMUSG00000103000.2,Gm37900,TEC	-0.3811	0.334412
ENSMUSG00000113505.2,Gm48593,TEC	-0.3812	0.46257
ENSMUSG00000104454.2,Gm37827,TEC	-0.3813	0.306489
ENSMUSG00000100600.8,A230077H06Rik,lncRNA	-0.3813	0.289265
ENSMUSG00000047881.15,Rell1,protein_coding	-0.3814	0.069469
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ENSMUSG00000040452.10,Cdh12,protein_coding	-0.3818	0.252119
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ENSMUSG00000079478.10,Znrd2,protein_coding	-0.3823	0.561086
ENSMUSG00000070583.2,Fv1,protein_coding	-0.3825	0.067857
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ENSMUSG00000031740.9,Mmp2,protein_coding	-0.3836	0.471323
ENSMUSG00000031079.13,Zfp300,protein_coding	-0.3836	0.228217
ENSMUSG00000044906.7,4930503L19Rik,protein_coding	-0.3836	0.320447
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ENSMUSG00000110529.2,Gm45694,TEC	-0.3838	0.338236
ENSMUSG00000071722.5,Spin4,protein_coding	-0.3839	0.311288
ENSMUSG00000107442.2,Gm43881,TEC	-0.3842	0.426123
ENSMUSG00000042351.10,Grap2,protein_coding	-0.3842	0.594126
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ENSMUSG00000012483.5,Rpa3,protein_coding	-0.3846	0.38968
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ENSMUSG00000111722.2,Gm47270,lncRNA	-0.3847	0.478145
ENSMUSG00000087478.4,4930506C21Rik,lncRNA	-0.3847	0.41809
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ENSMUSG00000031673.7,Cdh11,protein_coding	-0.3849	0.230787
ENSMUSG00000120013.2,Gm57273,lncRNA	-0.3852	0.214491
ENSMUSG00000116652.3,Fam246a,protein_coding	-0.3861	0.436576
ENSMUSG00000117250.3,Gm49871,lncRNA	-0.3862	0.545246
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ENSMUSG00000022723.17,Crybg3,protein_coding	-0.3866	0.094665
ENSMUSG00000114104.2,Gm47585,TEC	-0.3867	0.184265
ENSMUSG00000140395.1,ENSMUSG00000140395,lncRNA	-0.387	0.455236
ENSMUSG00000033805.13,Ephx4,protein_coding	-0.3871	0.366173
ENSMUSG00000097760.4,6030442K20Rik,lncRNA	-0.3871	0.263042
ENSMUSG00000101188.2,Eif4a-ps4,transcribed_processed_pseudogene	-0.3873	0.488101
ENSMUSG00000104983.2,Gm42763,TEC	-0.3876	0.301317
ENSMUSG00000079507.11,H2-Q1,protein_coding	-0.3877	0.607038
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ENSMUSG00000121840.1,ENSMUSG00000121840,lncRNA	-0.3879	0.311783
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ENSMUSG00000102653.2,Gm37079,TEC	-0.388	0.412136
ENSMUSG00000019539.12,Rcn3,protein_coding	-0.3881	0.333761
ENSMUSG00000037892.14,Pcdh18,protein_coding	-0.3881	0.307276
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ENSMUSG00000084915.4,C230037L18Rik,lncRNA	-0.3884	0.177365

ENSMUSG00000001333.10,Sync,protein_coding	-0.3885	0.663323
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ENSMUSG00000023873.14,1700010I14Rik,protein_coding	-0.3886	0.618027
ENSMUSG00000104410.2,Gm37066,TEC	-0.3888	0.402935
ENSMUSG00000120747.2,Gm56847,lncRNA	-0.389	0.168397
ENSMUSG00000114019.2,Gm47155,TEC	-0.389	0.327732
ENSMUSG00000109154.2,Gm44822,TEC	-0.3891	0.367715
ENSMUSG00000079343.5,C1s2,protein_coding	-0.3891	0.682335
ENSMUSG00000080268.5,Brms1,protein_coding	-0.3892	0.238091
ENSMUSG00000121059.1,Gm57137,lncRNA	-0.3894	0.602591
ENSMUSG00000071573.16,Rnls,protein_coding	-0.3894	0.51637
ENSMUSG00000042581.15,Thsd7b,protein_coding	-0.3895	0.284644
ENSMUSG00000040978.5,Gm11992,protein_coding	-0.3896	0.545408
ENSMUSG00000102619.2,Gm37849,TEC	-0.3897	0.34785
ENSMUSG00000067547.7,Gm7666,transcribed_processed_pseudogene	-0.3897	0.633057
ENSMUSG00000066189.10,Cacng3,protein_coding	-0.3899	0.418954
ENSMUSG00000131593.1,ENSMUSG00000131593,lncRNA	-0.39	0.492995
ENSMUSG00000115338.4,Pnp,protein_coding	-0.3901	0.237981
ENSMUSG00000024925.12,Rnaseh2c,protein_coding	-0.3902	0.174529
ENSMUSG00000101431.2,Gm7901,processed_pseudogene	-0.3903	0.627714
ENSMUSG00000004730.16,Adgre1,protein_coding	-0.3903	0.578218
ENSMUSG00000003779.17,Kif20a,protein_coding	-0.3906	0.734034
ENSMUSG00000083889.5,E530001F21Rik,processed_pseudogene	-0.3907	0.351407
ENSMUSG00000022758.15,P2rx6,protein_coding	-0.3907	0.431479
ENSMUSG00000035580.11,Kcnh8,protein_coding	-0.3909	0.468554
ENSMUSG00000107643.2,Gm43885,TEC	-0.3909	0.228339
ENSMUSG00000130429.1,Gm31690,lncRNA	-0.3912	0.498836
ENSMUSG00000022076.11,Klhl1,protein_coding	-0.3916	0.528285
ENSMUSG00000002297.17,Dbf4,protein_coding	-0.3917	0.735508
ENSMUSG00000087466.5,A330041J22Rik,lncRNA	-0.3921	0.349771
ENSMUSG00000036617.18,Etl4,protein_coding	-0.3922	0.166232
ENSMUSG00000110504.2,Gm45797,TEC	-0.3925	0.155843
ENSMUSG00000027859.11,Ngf,protein_coding	-0.3925	0.572001
ENSMUSG00000119238.1,Gm26230,snoRNA	-0.3925	0.522367
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ENSMUSG00000090546.3,Cdr1,lncRNA	-0.3926	0.336812
ENSMUSG00000025902.14,Sox17,protein_coding	-0.3927	0.343136
ENSMUSG00000109787.2,Gm45286,TEC	-0.3927	0.331417
ENSMUSG00000082711.2,Gm12987,processed_pseudogene	-0.3927	0.636066
ENSMUSG00000058729.14,Lin9,protein_coding	-0.3929	0.406017
ENSMUSG00000103914.2,Gm38073,TEC	-0.3929	0.367467
ENSMUSG00000024677.14,Ms4a6b,protein_coding	-0.3931	0.637182
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ENSMUSG00000043099.6,Hic1,protein_coding	-0.3933	0.441788
ENSMUSG00000062980.16,Cped1,protein_coding	-0.3934	0.20969
ENSMUSG00000029026.18,Trp73,protein_coding	-0.3937	0.434312
ENSMUSG00000003882.6,Il7r,protein_coding	-0.3938	0.67579
ENSMUSG00000003872.10,Lin7b,protein_coding	-0.3941	0.330004
ENSMUSG00000029545.14,Acads,protein_coding	-0.3942	0.311162
ENSMUSG00000073985.5,Gm10602,lncRNA	-0.3942	0.180021
ENSMUSG00000028899.12,Taf12,protein_coding	-0.3944	0.048125
ENSMUSG00000075010.8,AW112010,lncRNA	-0.3944	0.739951

ENSMUSG00000053980.5,Gm9930,TEC	-0.3945	0.392557
ENSMUSG00000066838.8,Zfp772,protein_coding	-0.3947	0.271342
ENSMUSG00000043629.13,1700019D03Rik,protein_coding	-0.395	0.10443
ENSMUSG00000042258.14,Isl1,protein_coding	-0.3952	0.58911
ENSMUSG00000104406.2,Gm38014,TEC	-0.3954	0.329073
ENSMUSG00000047965.10,Rpl9-ps7,processed_pseudogene	-0.3955	0.514098
ENSMUSG00000039133.10,9330171B17Rik,lncRNA	-0.3955	0.377365
ENSMUSG00000044042.20,Fmn1,protein_coding	-0.3958	0.09469
ENSMUSG00000108689.2,Gm45354,TEC	-0.3961	0.285219
ENSMUSG00000037492.17,Zmat4,protein_coding	-0.3961	0.117197
ENSMUSG00000106666.2,Gm43587,processed_pseudogene	-0.3964	0.739864
ENSMUSG00000120877.2,5033425G24Rik,lncRNA	-0.3964	0.546797
ENSMUSG00000087128.10,Gm12655,lncRNA	-0.3964	0.191736
ENSMUSG00000037847.15,Nmrk1,protein_coding	-0.3965	0.35465
ENSMUSG00000035121.7,Neil2,protein_coding	-0.3965	0.310113
ENSMUSG00000108778.4,Gm20083,lncRNA	-0.3966	0.478188
ENSMUSG00000079407.11,1700110I01Rik,lncRNA	-0.3967	0.640762
ENSMUSG00000115771.4,Gm49312,lncRNA	-0.3967	0.393867
ENSMUSG00000121472.2,Gm4349,lncRNA	-0.3968	0.315017
ENSMUSG00000108102.2,Gm44437,TEC	-0.3969	0.316737
ENSMUSG00000105218.6,Gm38413,lncRNA	-0.3969	0.592675
ENSMUSG00000074818.14,Pdzd7,protein_coding	-0.3969	0.358948
ENSMUSG00000107498.2,Gm44240,TEC	-0.397	0.296911
ENSMUSG00000110611.3,Gm20163,lncRNA	-0.3971	0.216619
ENSMUSG00000097761.3,4930534D22Rik,lncRNA	-0.3976	0.473334
ENSMUSG00000048029.12,Eno4,protein_coding	-0.3979	0.39995
ENSMUSG00000086049.2,Gm12735,lncRNA	-0.3979	0.756914
ENSMUSG00000108372.2,Gm45124,TEC	-0.3981	0.199164
ENSMUSG00000084985.2,Gm16135,lncRNA	-0.3981	0.502411
ENSMUSG00000024168.9,Tmem204,protein_coding	-0.3982	0.291792
ENSMUSG00000093594.2,Gm20707,lncRNA	-0.3982	0.670424
ENSMUSG00000074604.10,Mgst2,protein_coding	-0.3984	0.74806
ENSMUSG00000105640.3,Gm42912,lncRNA	-0.3986	0.695642
ENSMUSG00000047428.15,Dlk2,protein_coding	-0.3986	0.400261
ENSMUSG00000057842.15,Zfp595,protein_coding	-0.3986	0.290563
ENSMUSG00000031312.6,Itgb1bp2,protein_coding	-0.3987	0.476412
ENSMUSG00000079671.11,2610203C22Rik,lncRNA	-0.3989	0.216577
ENSMUSG00000135750.1,ENSMUSG00000135750,lncRNA	-0.3989	0.655341
ENSMUSG00000087519.11,AV039307,lncRNA	-0.399	0.380942
ENSMUSG00000085899.3,4930551E15Rik,lncRNA	-0.3991	0.621442
ENSMUSG00000103572.2,Gm37115,TEC	-0.3991	0.414214
ENSMUSG00000027868.12,Tbx15,protein_coding	-0.3995	0.376275
ENSMUSG00000028747.11,Htr6,protein_coding	-0.3997	0.529981
ENSMUSG00000025727.9,Prr35,protein_coding	-0.3997	0.584038
ENSMUSG00000022769.10,Sdf2l1,protein_coding	-0.3998	0.425841
ENSMUSG00000018861.9,Fdxr,protein_coding	-0.3998	0.148939
ENSMUSG00000032121.10,Tmem218,protein_coding	-0.3999	0.161133
ENSMUSG00000134954.1,ENSMUSG00000134954,lncRNA	-0.4001	0.688366
ENSMUSG00000030768.13,Disp1,protein_coding	-0.4002	0.300146
ENSMUSG00000021932.14,Rnaseh2b,protein_coding	-0.4005	0.343637
ENSMUSG00000109370.2,Gm44675,TEC	-0.4005	0.341962
ENSMUSG00000086213.4,A330040F15Rik,protein_coding	-0.4006	0.621659

ENSMUSG00000034258.5,Flvcr2,protein_coding	-0.4006	0.348235
ENSMUSG00000121804.2,ENSMUSG00000121804,lncRNA	-0.4007	0.386063
ENSMUSG00000035873.9,Pawr,protein_coding	-0.4007	0.633833
ENSMUSG00000030862.14,Cpxm2,protein_coding	-0.4007	0.37774
ENSMUSG00000116885.3,4930420G21Rik,lncRNA	-0.4008	0.431474
ENSMUSG00000029298.16,Gbp9,protein_coding	-0.4011	0.656499
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ENSMUSG00000069899.4,Sft2d1rt,protein_coding	-0.4015	0.534144
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ENSMUSG00000128633.1,ENSMUSG00000128633,lncRNA	-0.4018	0.696736
ENSMUSG00000052794.14,1700030K09Rik,protein_coding	-0.402	0.162313
ENSMUSG00000018509.9,Cenpv,protein_coding	-0.4022	0.149446
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ENSMUSG00000049744.16,Arhgap15,protein_coding	-0.4024	0.479949
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ENSMUSG00000001983.8,Taco1,protein_coding	-0.4025	0.097558
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ENSMUSG00000037010.8,Apln,protein_coding	-0.4049	0.158312
ENSMUSG00000102951.2,Gm37216,TEC	-0.405	0.381446
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ENSMUSG00000040164.4,Kcns1,protein_coding	-0.4053	0.33242
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ENSMUSG00000086769.8,Gm15587,lncRNA	-0.4054	0.555051
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ENSMUSG00000059842.13,Zfp341,protein_coding	-0.4059	0.197056
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ENSMUSG00000029695.14,Aass,protein_coding	-0.4059	0.358205
ENSMUSG00000005465.10,Il27ra,protein_coding	-0.406	0.434178
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ENSMUSG00000039158.12,Akna,protein_coding	-0.4066	0.592622
ENSMUSG00000096141.3,Dnah7a,protein_coding	-0.4068	0.50004
ENSMUSG00000030889.15,Vwa3a,protein_coding	-0.4069	0.381809
ENSMUSG00000081805.2,Gm14335,processed_pseudogene	-0.4069	0.366692
ENSMUSG00000009734.20,Pou6f2,protein_coding	-0.4069	0.225936
ENSMUSG00000074825.5,Itpripl1,protein_coding	-0.407	0.551597
ENSMUSG00000107136.2,Gm42466,TEC	-0.4072	0.122069
ENSMUSG00000139678.1,ENSMUSG00000139678,lncRNA	-0.4073	0.498707
ENSMUSG00000034997.6,Htr2a,protein_coding	-0.4073	0.360393
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ENSMUSG00000028776.15,Tinagl1,protein_coding	-0.4075	0.278022
ENSMUSG00000029595.10,Lhx5,protein_coding	-0.4076	0.348391
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ENSMUSG00000106093.3,Gm42722,lncRNA	-0.4077	0.572387
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ENSMUSG00000007867.10,Ift43,protein_coding	-0.4079	0.194449

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ENSMUSG00000035594.11,Chrna5,protein_coding	-0.4081	0.468139
ENSMUSG00000022021.16,Diaph3,protein_coding	-0.4083	0.690133
ENSMUSG00000050549.9,Fam241a,protein_coding	-0.4084	0.408956
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ENSMUSG00000098659.10,1110015O18Rik,lncRNA	-0.4087	0.472732
ENSMUSG00000103123.2,Gm37390,TEC	-0.4089	0.47452
ENSMUSG00000104877.2,Gm42651,TEC	-0.4094	0.218402
ENSMUSG00000021798.15,Ldb3,protein_coding	-0.4094	0.124291
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ENSMUSG00000038742.8,Angptl6,protein_coding	-0.4096	0.389887
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ENSMUSG00000136915.1,ENSMUSG00000136915,lncRNA	-0.4101	0.47354
ENSMUSG00000097487.8,Ptges3l,protein_coding	-0.4102	0.563703
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ENSMUSG00000020140.16,Lgr5,protein_coding	-0.4104	0.335861
ENSMUSG00000062704.4,9430002A10Rik,lncRNA	-0.4104	0.497066
ENSMUSG00000102776.2,Gm38162,TEC	-0.4105	0.357353
ENSMUSG00000104724.2,Gm43162,TEC	-0.4108	0.338579
ENSMUSG00000112243.2,Gm47342,TEC	-0.4108	0.366025
ENSMUSG00000133704.1,ENSMUSG00000133704,lncRNA	-0.4109	0.52151
ENSMUSG00000090110.9,Cmc4,protein_coding	-0.411	0.463568
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ENSMUSG00000037474.14,Dtl,protein_coding	-0.4111	0.641327
ENSMUSG00000027071.15,P2rx3,protein_coding	-0.4111	0.765517
ENSMUSG00000022220.15,Adcy4,protein_coding	-0.4115	0.411331
ENSMUSG00000001901.16,Kcnh6,protein_coding	-0.4115	0.499624
ENSMUSG00000002771.13,Grin2d,protein_coding	-0.4117	0.293983
ENSMUSG00000085779.3,Atcayos,lncRNA	-0.4117	0.528789
ENSMUSG00000114409.2,Gm9042,processed_pseudogene	-0.4118	0.550951
ENSMUSG00000120451.2,Gm56518,lncRNA	-0.4119	0.510964
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ENSMUSG00000060950.13,Trmt61a,protein_coding	-0.4122	0.130443
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ENSMUSG00000108643.2,Gm44931,TEC	-0.4127	0.511485
ENSMUSG00000103197.2,Gm37642,TEC	-0.4128	0.596074
ENSMUSG00000109408.3,A930037H05Rik,lncRNA	-0.4129	0.128325
ENSMUSG00000044519.9,Zfp488,protein_coding	-0.4129	0.136912
ENSMUSG00000032489.18,Kif9,protein_coding	-0.413	0.206555
ENSMUSG00000041633.15,Kctd12b,protein_coding	-0.4138	0.139624
ENSMUSG00000118449.3,Gm3625,lncRNA	-0.4142	0.146775
ENSMUSG00000100768.2,Gm29055,lncRNA	-0.4143	0.381287
ENSMUSG00000138303.1,ENSMUSG00000138303,lncRNA	-0.4144	0.797119
ENSMUSG00000018752.20,Tnfsfm13,protein_coding	-0.4147	0.462689
ENSMUSG00000116733.4,6330408M09Rik,lncRNA	-0.4148	0.385641
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ENSMUSG00000029446.15,Psph,protein_coding	-0.4155	0.160909

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ENSMUSG00000103887.3,Gm37008,TEC	-0.4158	0.31913
ENSMUSG00000005958.16,Ephb3,protein_coding	-0.4159	0.309705
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ENSMUSG00000098470.2,C1rb,protein_coding	-0.4166	0.79288
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ENSMUSG00000001029.16,Icam2,protein_coding	-0.4167	0.657955
ENSMUSG00000097709.11,2810429I04Rik,lncRNA	-0.4167	0.243075
ENSMUSG00000102652.2,Gm37078,TEC	-0.417	0.533585
ENSMUSG00000067931.7,Zfp948,protein_coding	-0.4173	0.130093
ENSMUSG00000109505.2,Gm44677,TEC	-0.4175	0.371804
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ENSMUSG00000051235.11,Gen1,protein_coding	-0.4177	0.617404
ENSMUSG00000103920.2,Gm37897,TEC	-0.4179	0.302851
ENSMUSG00000061322.16,Dnai1,protein_coding	-0.418	0.313287
ENSMUSG00000013076.18,Amotl1,protein_coding	-0.4181	0.335675
ENSMUSG00000021448.9,Shc3,protein_coding	-0.4184	0.245368
ENSMUSG00000102225.2,Gm37983,TEC	-0.4184	0.220593
ENSMUSG00000020067.9,Mypn,protein_coding	-0.4185	0.357556
ENSMUSG00000120563.2,Gm57200,lncRNA	-0.4187	0.402484
ENSMUSG00000017144.9,Rnd3,protein_coding	-0.4188	0.070134
ENSMUSG00000042988.11,Notum,protein_coding	-0.4189	0.521177
ENSMUSG00000064346.1,mt-Tw,Mt_tRNA	-0.4193	0.586281
ENSMUSG00000033826.11,Dnah8,protein_coding	-0.4197	0.349706
ENSMUSG00000069844.13,Sco1,protein_coding	-0.4197	0.072178
ENSMUSG00000042909.5,Or52h1,protein_coding	-0.4198	0.444794
ENSMUSG00000116568.2,Gm49790,TEC	-0.4199	0.581033
ENSMUSG00000111097.3,Gm34069,lncRNA	-0.4202	0.36528
ENSMUSG00000102554.2,Gm37568,processed_pseudogene	-0.4204	0.455859
ENSMUSG00000100053.3,Gm28154,lncRNA	-0.4205	0.464052
ENSMUSG00000040877.17,Wdr25,protein_coding	-0.4205	0.08692
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ENSMUSG00000129713.1,ENSMUSG00000129713,lncRNA	-0.4207	0.629314
ENSMUSG00000062300.15,Nectin2,protein_coding	-0.4208	0.372085
ENSMUSG00000032380.10,Dapk2,protein_coding	-0.4209	0.297513
ENSMUSG00000020807.16,4933427D14Rik,protein_coding	-0.4211	0.261048
ENSMUSG00000105517.2,Gm42436,TEC	-0.4214	0.11665
ENSMUSG00000099784.2,Dalir,lncRNA	-0.4217	0.431773
ENSMUSG00000105247.2,Gm42519,TEC	-0.4217	0.541954
ENSMUSG00000037813.14,D630003M21Rik,protein_coding	-0.422	0.371499
ENSMUSG00000046949.17,Nqo2,protein_coding	-0.4221	0.172837
ENSMUSG00000073791.14,Efcab7,protein_coding	-0.4221	0.335222
ENSMUSG00000025498.16,Irf7,protein_coding	-0.4222	0.606462
ENSMUSG00000102995.2,A330074H02Rik,TEC	-0.4223	0.308118
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ENSMUSG00000128695.1,ENSMUSG00000128695,lncRNA	-0.4225	0.523169
ENSMUSG00000038570.16,Saxo2,protein_coding	-0.4226	0.304938
ENSMUSG00000040125.5,Gpr26,protein_coding	-0.4229	0.351971
ENSMUSG00000115681.4,Gm2682,lncRNA	-0.423	0.554881
ENSMUSG00000021747.13,Cfap20dc,protein_coding	-0.423	0.21707
ENSMUSG00000108815.2,Gm49388,protein_coding	-0.4231	0.920832
ENSMUSG00000041272.12,Tox,protein_coding	-0.4231	0.373955

ENSMUSG00000032327.15,Stra6,protein_coding	-0.4233	0.280407
ENSMUSG00000045613.10,Chrm2,protein_coding	-0.4237	0.212647
ENSMUSG00000104626.2,Gm42675,TEC	-0.4238	0.340934
ENSMUSG00000124769.1,ENSMUSG00000124769,lncRNA	-0.4238	0.412858
ENSMUSG00000117942.2,Maskbp3,protein_coding	-0.4239	0.587471
ENSMUSG00000106696.2,Gm42729,TEC	-0.424	0.6341
ENSMUSG00000116881.2,Gm49674,TEC	-0.4243	0.377632
ENSMUSG00000086363.10,A330102I10Rik,lncRNA	-0.4245	0.111056
ENSMUSG00000039539.14,Sgcz,protein_coding	-0.4245	0.225165
ENSMUSG00000046159.17,Chrm3,protein_coding	-0.4246	0.282704
ENSMUSG00000083877.2,Gm14740,processed_pseudogene	-0.4246	0.412307
ENSMUSG00000035539.15,Ccdc180,protein_coding	-0.4247	0.612817
ENSMUSG00000017830.16,Dhx58,protein_coding	-0.4248	0.57826
ENSMUSG00000120076.2,Gm31223,lncRNA	-0.4248	0.186563
ENSMUSG00000038260.11,Trpm4,protein_coding	-0.4249	0.130301
ENSMUSG00000081855.5,Rpl17-ps5,processed_pseudogene	-0.4251	0.799548
ENSMUSG00000039745.9,Htatip2,protein_coding	-0.4253	0.26671
ENSMUSG00000021583.8,Erap1,protein_coding	-0.4253	0.557494
ENSMUSG00000013846.11,St3gal1,protein_coding	-0.4256	0.274057
ENSMUSG00000084234.3,4933405O20Rik,protein_coding	-0.4256	0.60206
ENSMUSG00000044566.16,Cage1,protein_coding	-0.426	0.203932
ENSMUSG00000121247.2,Gm57404,lncRNA	-0.426	0.10672
ENSMUSG00000017376.16,Nlk,protein_coding	-0.426	0.079148
ENSMUSG00000095440.3,Fignl2,protein_coding	-0.4261	0.285176
ENSMUSG00000117654.4,Gm50050,lncRNA	-0.4263	0.420678
ENSMUSG00000046794.10,Ppp1r3b,protein_coding	-0.4263	0.383275
ENSMUSG00000034855.14,Cxcl10,protein_coding	-0.4263	0.728987
ENSMUSG00000143400.1,ENSMUSG00000143400,lncRNA	-0.4268	0.578377
ENSMUSG00000120985.2,Gm57235,lncRNA	-0.427	0.237985
ENSMUSG00000028082.15,Sh3d19,protein_coding	-0.427	0.03338
ENSMUSG00000074476.7,Spc24,protein_coding	-0.4271	0.559953
ENSMUSG00000107967.2,Gm44094,TEC	-0.4271	0.611921
ENSMUSG00000116518.4,Gm49494,lncRNA	-0.4271	0.23109
ENSMUSG00000135902.1,ENSMUSG00000135902,lncRNA	-0.4274	0.403937
ENSMUSG00000105730.3,Gm43838,lncRNA	-0.4274	0.477214
ENSMUSG00000103715.2,4933431K14Rik,TEC	-0.4278	0.684924
ENSMUSG00000073144.7,4930599N23Rik,lncRNA	-0.4279	0.600234
ENSMUSG00000099757.4,BE692007,lncRNA	-0.4281	0.769142
ENSMUSG00000090005.2,Gm16540,lncRNA	-0.4283	0.463429
ENSMUSG00000105694.2,Gm43237,TEC	-0.4286	0.329968
ENSMUSG00000000214.12,Th,protein_coding	-0.4291	0.772229
ENSMUSG00000039913.13,Pak5,protein_coding	-0.4292	0.130603
ENSMUSG00000019320.15,Noxo1,protein_coding	-0.4295	0.41689
ENSMUSG00000120970.1,Gm56877,lncRNA	-0.4297	0.191724
ENSMUSG00000104871.2,Gm42639,TEC	-0.4299	0.32756
ENSMUSG00000084347.4,Akt2-ps,processed_pseudogene	-0.43	0.53925
ENSMUSG00000047746.15,Fbxo40,protein_coding	-0.4303	0.534042
ENSMUSG00000021303.15,Gng4,protein_coding	-0.4305	0.389456
ENSMUSG00000027335.10,Adra1d,protein_coding	-0.4307	0.32274
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ENSMUSG00000038214.17,Bend3,protein_coding	-0.4312	0.240495
ENSMUSG00000049225.16,Pdp1,protein_coding	-0.4315	0.205528

ENSMUSG00000055235.12,Wdr86,protein_coding	-0.4317	0.570422
ENSMUSG00000110866.2,Gm48362,lncRNA	-0.4318	0.511743
ENSMUSG00000027995.11,Tlr2,protein_coding	-0.4321	0.591059
ENSMUSG00000040749.12,Siah1b,protein_coding	-0.4321	0.135033
ENSMUSG00000024401.15,Tnf,protein_coding	-0.4323	0.740032
ENSMUSG00000038233.11,Gask1a,protein_coding	-0.4325	0.158121
ENSMUSG00000140548.1,ENSMUSG00000140548,lncRNA	-0.4327	0.272949
ENSMUSG00000131949.1,ENSMUSG00000131949,lncRNA	-0.4329	0.344923
ENSMUSG00000001493.10,Meox1,protein_coding	-0.433	0.482722
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ENSMUSG00000113698.2,Gm47987,TEC	-0.4333	0.212558
ENSMUSG00000068696.7,Gpr88,protein_coding	-0.4334	0.694957
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ENSMUSG00000134447.1,ENSMUSG00000134447,lncRNA	-0.4336	0.566914
ENSMUSG00000083111.2,Gm14421,transcribed_unprocessed_pseudogene	-0.4343	0.280608
ENSMUSG00000097781.3,9330136K24Rik,lncRNA	-0.4343	0.351945
ENSMUSG00000025407.8,Gli1,protein_coding	-0.4345	0.245119
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ENSMUSG00000020940.15,Efcab15,protein_coding	-0.4346	0.626455
ENSMUSG00000096795.5,Zfp433,protein_coding	-0.4347	0.269033
ENSMUSG00000113488.3,Gm47819,lncRNA	-0.4353	0.504841
ENSMUSG00000130286.1,ENSMUSG00000130286,lncRNA	-0.4354	0.253567
ENSMUSG00000103195.2,Gm37644,TEC	-0.4361	0.476875
ENSMUSG00000129832.1,ENSMUSG00000129832,lncRNA	-0.4362	0.448025
ENSMUSG00000033730.5,Egr3,protein_coding	-0.4365	0.489732
ENSMUSG00000074141.14,Il4i1,protein_coding	-0.4367	0.681051
ENSMUSG00000025507.14,Pidd1,protein_coding	-0.4372	0.556011
ENSMUSG00000121086.2,Gm6403,lncRNA	-0.4374	0.457588
ENSMUSG00000112928.3,Gm47710,lncRNA	-0.4375	0.368448
ENSMUSG00000103770.2,Pcdha9,protein_coding	-0.4375	0.268877
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ENSMUSG00000057143.16,Trim12c,protein_coding	-0.438	0.529794
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ENSMUSG00000130346.1,ENSMUSG00000130346,lncRNA	-0.4387	0.43622
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ENSMUSG00000120035.2,Gm32934,lncRNA	-0.4395	0.385732
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ENSMUSG00000041674.18,BC006965,lncRNA	-0.4414	0.435738
ENSMUSG00000092051.4,Gm17229,transcribed_processed_pseudogene	-0.4414	0.549848
ENSMUSG00000113575.2,A930023M06Rik,lncRNA	-0.4416	0.453226
ENSMUSG00000031200.17,Mtcp1,protein_coding	-0.4416	0.26657
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ENSMUSG00000048731.16,Ggnbp1,protein_coding	-0.4419	0.434284
ENSMUSG00000121318.2,3110053B16Rik,lncRNA	-0.4419	0.345115
ENSMUSG00000121510.2,ENSMUSG00000121510,lncRNA	-0.442	0.582729
ENSMUSG00000102326.2,Gm37788,TEC	-0.4423	0.306838
ENSMUSG00000047935.20,Sox1ot,lncRNA	-0.4423	0.314473
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ENSMUSG00000097418.8,Mir155hg,lncRNA	-0.4444	0.779792
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ENSMUSG00000095789.7,Nupr2,protein_coding	-0.4445	0.358252
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ENSMUSG00000069170.15,Adgrv1,protein_coding	-0.446	0.232751
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ENSMUSG00000054892.15,Txk,protein_coding	-0.447	0.680224
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ENSMUSG00000105864.2,Gm10484,lncRNA	-0.4489	0.16105
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ENSMUSG00000104727.3,Gm42500,lncRNA	-0.4517	0.307846
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ENSMUSG00000044014.10,Npy5r,protein_coding	-0.452	0.279945
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ENSMUSG00000127643.1,ENSMUSG00000127643,lncRNA	-0.4539	0.344792
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ENSMUSG00000005803.15,Sqor,protein_coding	-0.4542	0.113537
ENSMUSG00000072919.5,Noxred1,protein_coding	-0.4542	0.363255
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ENSMUSG00000106617.2,Gm36266,lncRNA	-0.4552	0.475039
ENSMUSG00000108063.3,Gm3279,lncRNA	-0.4556	0.554631
ENSMUSG00000102846.2,Gm10292,processed_pseudogene	-0.4558	0.528493
ENSMUSG00000108035.2,Gm44021,TEC	-0.4559	0.256054
ENSMUSG00000078307.4,AI593442,protein_coding	-0.4559	0.212276
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ENSMUSG00000118619.2,Gm53041,unitary_pseudogene	-0.4569	0.214237
ENSMUSG00000108713.4,Gm33027,lncRNA	-0.4576	0.63362
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ENSMUSG00000017491.10,Rarb,protein_coding	-0.4606	0.47777
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ENSMUSG00000036158.13,Prickle1,protein_coding	-0.461	0.205914
ENSMUSG00000085614.4,1700123M08Rik,lncRNA	-0.4611	0.178797
ENSMUSG00000107528.3,Gm44442,lncRNA	-0.4611	0.463884
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ENSMUSG00000022906.16,Parp9,protein_coding	-0.4614	0.590856
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ENSMUSG00000102293.2,Gm37541,TEC	-0.4628	0.191122
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ENSMUSG00000026058.12,Khdrbs2,protein_coding	-0.4642	0.10013
ENSMUSG00000067653.13,Ankrd23,protein_coding	-0.4647	0.231694
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ENSMUSG00000112160.2,BC024063,protein_coding	-0.4664	0.229426
ENSMUSG00000081574.2,Gm14429,unprocessed_pseudogene	-0.4666	0.525944
ENSMUSG00000030669.14,Calca,protein_coding	-0.4669	0.702163
ENSMUSG00000005237.15,Dnah2,protein_coding	-0.4669	0.360177
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ENSMUSG00000019888.18,Mgat4c,protein_coding	-0.4676	0.09585
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ENSMUSG00000006611.16,Hfe,protein_coding	-0.4677	0.352134
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ENSMUSG00000078879.11,Zfp973,protein_coding	-0.4679	0.219875
ENSMUSG00000022748.9,Cmss1,protein_coding	-0.4681	0.18899
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ENSMUSG00000132890.1,ENSMUSG00000132890,lncRNA	-0.4685	0.504215
ENSMUSG00000108067.2,Gm43953,TEC	-0.4686	0.287401
ENSMUSG00000045827.11,Serpinb9,protein_coding	-0.4687	0.24927
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ENSMUSG00000033063.9,Cntnap3,protein_coding	-0.4693	0.405266
ENSMUSG00000092094.6,Zfp804b,protein_coding	-0.4694	0.323393
ENSMUSG00000117809.2,Asdurf,protein_coding	-0.4696	0.645894
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ENSMUSG00000068758.9,Il3ra,protein_coding	-0.471	0.713243
ENSMUSG00000103382.2,Gm37755,TEC	-0.4713	0.488046
ENSMUSG00000079669.5,Gm17396,lncRNA	-0.4713	0.331785
ENSMUSG00000105356.2,Gm42603,TEC	-0.4713	0.446896
ENSMUSG00000032577.17,Mapkapk3,protein_coding	-0.4714	0.302716
ENSMUSG00000081225.4,Cyp2j12,protein_coding	-0.4716	0.404989
ENSMUSG00000123674.1,ENSMUSG00000123674,lncRNA	-0.4719	0.574273
ENSMUSG00000026388.16,3110009E18Rik,protein_coding	-0.4719	0.261417
ENSMUSG00000060032.7,H2aj,protein_coding	-0.4721	0.080163
ENSMUSG00000030125.12,Lrrc23,protein_coding	-0.4727	0.487111
ENSMUSG00000048617.17,Rtbdn,protein_coding	-0.4729	0.465644
ENSMUSG00000034442.12,Trmt5,protein_coding	-0.4729	0.095166

ENSMUSG00000119035.1,Gm25101,snRNA	-0.4729	0.506729
ENSMUSG00000037613.17,Tnfrsf23,protein_coding	-0.4732	0.400716
ENSMUSG00000090722.10,Gm8378,lncRNA	-0.4735	0.39404
ENSMUSG00000035681.8,Kcnc2,protein_coding	-0.4735	0.178664
ENSMUSG00000070327.16,Rnf213,protein_coding	-0.4735	0.552454
ENSMUSG00000103972.2,Gm37466,TEC	-0.4736	0.388261
ENSMUSG00000053588.6,A730061H03Rik,lncRNA	-0.4736	0.465113
ENSMUSG00000090207.4,4930524O07Rik,lncRNA	-0.4737	0.373245
ENSMUSG00000012519.15,Mlkl,protein_coding	-0.4738	0.545485
ENSMUSG00000037664.14,Cdkn1c,protein_coding	-0.4741	0.156741
ENSMUSG00000103445.2,Gm36948,TEC	-0.4742	0.563374
ENSMUSG00000087574.4,C030037D09Rik,lncRNA	-0.4745	0.017637
ENSMUSG00000085971.7,Gm15411,lncRNA	-0.4745	0.424805
ENSMUSG00000027577.15,Chrna4,protein_coding	-0.4746	0.364824
ENSMUSG00000021621.16,Zcchc9,protein_coding	-0.4748	0.073373
ENSMUSG00000047021.15,Cfap65,protein_coding	-0.4751	0.342819
ENSMUSG00000025279.8,Dnase1l3,protein_coding	-0.4755	0.739605
ENSMUSG00000051255.7,Gm6563,processed_pseudogene	-0.4757	0.392043
ENSMUSG00000107207.2,Gm42897,TEC	-0.4759	0.238149
ENSMUSG00000113941.2,Gm35755,processed_pseudogene	-0.4761	0.535598
ENSMUSG00000026697.11,Myoc,protein_coding	-0.4762	0.386329
ENSMUSG00000103025.2,Gm37686,TEC	-0.4766	0.209668
ENSMUSG00000105594.2,Gm43398,TEC	-0.4767	0.427684
ENSMUSG00000059901.13,Adamts14,protein_coding	-0.4768	0.370988
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ENSMUSG00000039385.6,Cdh6,protein_coding	-0.4768	0.111547
ENSMUSG00000102276.2,2900069G24Rik,TEC	-0.4769	0.47287
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ENSMUSG00000120525.2,Gm56755,lncRNA	-0.4775	0.225221
ENSMUSG00000105745.2,Gm42521,TEC	-0.4778	0.224552
ENSMUSG00000039543.17,Cfap70,protein_coding	-0.4778	0.613259
ENSMUSG00000047821.17,Trim16,protein_coding	-0.4781	0.268991
ENSMUSG00000063804.9,Lin28b,protein_coding	-0.4786	0.103931
ENSMUSG00000075903.3,Gm23941,snRNA	-0.4794	0.600295
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ENSMUSG00000007944.9,Ttc9b,protein_coding	-0.4802	0.187705
ENSMUSG00000097166.4,9330179D12Rik,lncRNA	-0.4805	0.180653
ENSMUSG00000134911.1,ENSMUSG00000134911,lncRNA	-0.4805	0.583691
ENSMUSG00000108665.2,Gm44897,TEC	-0.4806	0.367812
ENSMUSG00000109274.3,Gm45133,TEC	-0.4808	0.711446
ENSMUSG00000123382.1,ENSMUSG00000123382,lncRNA	-0.4813	0.512944
ENSMUSG00000105717.2,Gm43465,lncRNA	-0.4814	0.359706
ENSMUSG00000130727.1,ENSMUSG00000130727,lncRNA	-0.4816	0.334591
ENSMUSG00000063060.7,Sox7,protein_coding	-0.4816	0.334824
ENSMUSG00000129133.1,ENSMUSG00000129133,lncRNA	-0.4821	0.478427
ENSMUSG00000120652.1,Gm56609,lncRNA	-0.4822	0.362971
ENSMUSG00000104581.2,Gm42497,TEC	-0.4822	0.460935
ENSMUSG00000031737.12,Irx5,protein_coding	-0.4828	0.483795
ENSMUSG00000102681.2,Gm37221,TEC	-0.4829	0.145429
ENSMUSG00000028339.18,Col15a1,protein_coding	-0.483	0.190417

ENSMUSG00000032122.16,Slc37a2,protein_coding	-0.4832	0.335255
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ENSMUSG00000113041.2,Gm48302,lncRNA	-0.4839	0.417003
ENSMUSG00000021098.16,4930447C04Rik,protein_coding	-0.4843	0.057421
ENSMUSG00000094868.2,Dlx6os2,TEC	-0.4844	0.636419
ENSMUSG00000092371.3,Gm20511,lncRNA	-0.4846	0.390137
ENSMUSG00000074865.13,Zfp934,protein_coding	-0.4853	0.121074
ENSMUSG00000104140.2,Gm37140,TEC	-0.4854	0.222652
ENSMUSG00000110697.4,Gm31718,lncRNA	-0.4854	0.789427
ENSMUSG00000088990.3,Gm22767,scaRNA	-0.4855	0.44456
ENSMUSG00000105742.2,Gm42748,TEC	-0.4858	0.192516
ENSMUSG00000048281.10,Dleu7,protein_coding	-0.4861	0.484952
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ENSMUSG00000029755.11,Dlx5,protein_coding	-0.4864	0.515027
ENSMUSG00000110702.2,Gm45767,lncRNA	-0.4867	0.299018
ENSMUSG00000115646.2,Gm10926,TEC	-0.4869	0.510509
ENSMUSG00000116883.4,Gm49700,lncRNA	-0.487	0.407138
ENSMUSG00000135458.1,ENSMUSG00000135458,lncRNA	-0.4871	0.67602
ENSMUSG00000113571.2,Gm48137,TEC	-0.4873	0.30546
ENSMUSG00000022602.15,Arc,protein_coding	-0.4874	0.391428
ENSMUSG00000107633.2,Gm44078,TEC	-0.4874	0.579583
ENSMUSG00000107472.2,Gm44265,lncRNA	-0.4877	0.454328
ENSMUSG00000113688.2,A930027P06Rik,TEC	-0.4883	0.392496
ENSMUSG00000115509.3,Gm49012,lncRNA	-0.4886	0.459874
ENSMUSG00000078937.9,Cpt1b,protein_coding	-0.4887	0.42138
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ENSMUSG00000009687.15,Fxyd5,protein_coding	-0.4889	0.141454
ENSMUSG00000110791.2,Gm47508,TEC	-0.4892	0.410694
ENSMUSG00000074646.12,6430550D23Rik,protein_coding	-0.4893	0.379361
ENSMUSG00000117786.3,Gm10503,lncRNA	-0.4897	0.533595
ENSMUSG00000119356.1,Gm23712,snRNA	-0.4899	0.461812
ENSMUSG00000099150.3,Gm27243,lncRNA	-0.49	0.532734
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ENSMUSG00000055480.8,Zfp458,protein_coding	-0.4902	0.095086
ENSMUSG00000026241.6,Nppc,protein_coding	-0.4905	0.283087
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ENSMUSG00000126324.1,ENSMUSG00000126324,lncRNA	-0.491	0.453198
ENSMUSG00000111929.2,Gm48780,lncRNA	-0.4911	0.161315
ENSMUSG00000027215.14,Cd82,protein_coding	-0.4912	0.109525
ENSMUSG00000120792.2,Gm57362,lncRNA	-0.4913	0.289463
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ENSMUSG00000068154.6,Insm1,protein_coding	-0.4915	0.261428
ENSMUSG00000101299.5,Gm28175,lncRNA	-0.4918	0.27349
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ENSMUSG00000031351.16,Zfp185,protein_coding	-0.4922	0.289276
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ENSMUSG00000122529.1,ENSMUSG00000122529,lncRNA	-0.4929	0.5384
ENSMUSG00000104576.2,F830115B05Rik,TEC	-0.493	0.334922
ENSMUSG00000056211.14,R3hdm1,protein_coding	-0.493	0.158621
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ENSMUSG00000144217.1,ENSMUSG00000144217,lncRNA	-0.4937	0.110679
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ENSMUSG00000028037.14,Ifi44,protein_coding	-0.4943	0.600821
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ENSMUSG00000107009.2,6720475M21Rik,TEC	-0.4953	0.368248
ENSMUSG00000046719.8,Nxph3,protein_coding	-0.496	0.158584
ENSMUSG00000091941.2,Gm7399,processed_pseudogene	-0.496	0.335268
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ENSMUSG00000026893.5,Gca,protein_coding	-0.4973	0.069269
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ENSMUSG00000027459.17,Fam110a,protein_coding	-0.4984	0.198728
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ENSMUSG00000109909.2,Gm45663,TEC	-0.5006	0.169949
ENSMUSG00000102937.2,Gm38116,TEC	-0.5007	0.207611
ENSMUSG00000032776.10,Mctp2,protein_coding	-0.5008	0.518123
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ENSMUSG00000087531.8,Gm15606,lncRNA	-0.5054	0.473756
ENSMUSG00000055323.8,Gm9967,lncRNA	-0.5054	0.387631
ENSMUSG00000079227.11,Ccr5,protein_coding	-0.5055	0.401187
ENSMUSG00000028268.15,Gbp3,protein_coding	-0.5056	0.514586
ENSMUSG00000033107.7,Rnf125,protein_coding	-0.5058	0.353167
ENSMUSG00000058126.8,Tpm3-rs7,protein_coding	-0.5059	0.388305
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ENSMUSG00000078627.10,Marchf10,protein_coding	-0.5065	0.372428
ENSMUSG00000126950.1,ENSMUSG00000126950,lncRNA	-0.5068	0.287598
ENSMUSG00000126697.1,ENSMUSG00000126697,lncRNA	-0.5074	0.441075
ENSMUSG00000038543.14,BC028528,protein_coding	-0.5074	0.383571
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ENSMUSG00000050783.6,Htr1f,protein_coding	-0.5084	0.353652
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ENSMUSG00000073399.10,Trim40,protein_coding	-0.5099	0.722623
ENSMUSG00000037358.7,Dipk2b,protein_coding	-0.5101	0.349731
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ENSMUSG00000130218.1,ENSMUSG00000130218,lncRNA	-0.5162	0.543381
ENSMUSG00000053181.3,A830005F24Rik,lncRNA	-0.5165	0.269287

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ENSMUSG00000030966.14,Trim21,protein_coding	-0.5167	0.390038
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ENSMUSG00000035984.15,Nme5,protein_coding	-0.5171	0.182139
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ENSMUSG00000100075.3,1700018L02Rik,lncRNA	-0.518	0.271376
ENSMUSG00000028280.10,Gabrr1,protein_coding	-0.5186	0.763968
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ENSMUSG00000100029.3,D7Ertd128e,lncRNA	-0.5201	0.681113
ENSMUSG00000000440.13,Pparg,protein_coding	-0.5201	0.12534
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ENSMUSG00000106197.2,Gm42717,lncRNA	-0.5206	0.073658
ENSMUSG00000014633.16,Cmc2,protein_coding	-0.521	0.080478
ENSMUSG00000032556.12,Bfsp2,protein_coding	-0.5211	0.552792
ENSMUSG00000113102.2,A930040O22Rik,TEC	-0.5214	0.509338
ENSMUSG00000075225.17,Ccdc162,protein_coding	-0.5215	0.327179
ENSMUSG00000047735.15,Samd9l,protein_coding	-0.5221	0.502489
ENSMUSG00000026730.13,Pter,protein_coding	-0.5223	0.370241
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ENSMUSG00000120006.2,Gm57352,lncRNA	-0.5231	0.201118
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ENSMUSG00000084329.2,Gm6733,processed_pseudogene	-0.5233	0.214506
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ENSMUSG00000106515.7,Gm30382,lncRNA	-0.5235	0.197818
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ENSMUSG00000115122.2,Gm49685,lncRNA	-0.5251	0.318471
ENSMUSG00000113119.2,Gm48883,TEC	-0.5252	0.178211
ENSMUSG00000128028.1,ENSMUSG00000128028,lncRNA	-0.5253	0.553561
ENSMUSG00000047414.7,Flrt2,protein_coding	-0.5254	0.084328
ENSMUSG00000121407.1,Gm6345,lncRNA	-0.5256	0.365581
ENSMUSG00000120300.2,Gm56828,lncRNA	-0.5256	0.255465
ENSMUSG00000108985.2,A930030B08Rik,TEC	-0.5268	0.337826
ENSMUSG00000107726.2,Gm44037,lncRNA	-0.5272	0.183581
ENSMUSG00000111656.2,Gm47232,lncRNA	-0.5272	0.326436
ENSMUSG00000036578.8,Fxyd7,protein_coding	-0.5279	0.212831
ENSMUSG00000103753.2,Gm6934,TEC	-0.5281	0.261016
ENSMUSG00000115417.2,Gm48949,lncRNA	-0.5289	0.229708
ENSMUSG00000027316.16,Gfra4,protein_coding	-0.5291	0.135583
ENSMUSG00000021743.7,Fezf2,protein_coding	-0.5291	0.218024
ENSMUSG00000103663.2,2900037B21Rik,TEC	-0.5293	0.327735
ENSMUSG00000020186.8,Csrp2,protein_coding	-0.5295	0.33125
ENSMUSG00000031448.13,Adprhl1,protein_coding	-0.5296	0.422186
ENSMUSG00000102240.2,Gm37717,TEC	-0.5298	0.172503
ENSMUSG00000048004.16,Tmem196,protein_coding	-0.5299	0.105355

ENSMUSG00000090674.2,Gm17082,processed_pseudogene	-0.5305	0.10061
ENSMUSG00000086368.5,Gm13830,lncRNA	-0.5305	0.158239
ENSMUSG00000055045.7,Gm11190,lncRNA	-0.5313	0.546934
ENSMUSG00000026429.10,Ube2t,protein_coding	-0.5315	0.592396
ENSMUSG00000104867.2,Gm43728,lncRNA	-0.5315	0.247226
ENSMUSG00000092592.2,Gm20449,protein_coding	-0.5318	0.252456
ENSMUSG00000121150.2,Gm56735,lncRNA	-0.5319	0.406451
ENSMUSG00000103115.3,Gm37584,lncRNA	-0.532	0.339865
ENSMUSG00000032564.17,Cpne4,protein_coding	-0.5321	0.213019
ENSMUSG00000104411.3,Gm30340,lncRNA	-0.5328	0.152018
ENSMUSG00000036192.16,Rorb,protein_coding	-0.533	0.080283
ENSMUSG00000040270.17,Bach2,protein_coding	-0.5331	0.20342
ENSMUSG00000018920.12,Cxcl16,protein_coding	-0.5335	0.592267
ENSMUSG00000065289.3,Gm23650,snoRNA	-0.5339	0.521115
ENSMUSG00000139891.1,ENSMUSG00000139891,lncRNA	-0.5339	0.755631
ENSMUSG00000032690.17,Oas2,protein_coding	-0.5342	0.564925
ENSMUSG00000047180.9,Neurl3,protein_coding	-0.5343	0.664788
ENSMUSG00000048007.5,Timm8a1,protein_coding	-0.5349	0.156302
ENSMUSG00000087365.11,Mir503hg,lncRNA	-0.5351	0.303281
ENSMUSG00000054493.4,Gm9947,lncRNA	-0.5354	0.295529
ENSMUSG00000127503.1,ENSMUSG00000127503,lncRNA	-0.5359	0.276181
ENSMUSG00000107091.2,Gm43343,TEC	-0.5361	0.106973
ENSMUSG00000121501.1,Gvin-ps7,lncRNA	-0.5367	0.480433
ENSMUSG00000044177.5,Wfikkn2,protein_coding	-0.537	0.392574
ENSMUSG00000106073.2,Gm42892,TEC	-0.5373	0.205177
ENSMUSG00000120309.2,Gm56745,lncRNA	-0.5379	0.726654
ENSMUSG00000035000.9,Dpp4,protein_coding	-0.5379	0.258296
ENSMUSG00000000889.9,Dbh,protein_coding	-0.538	0.845082
ENSMUSG00000037580.11,Gch1,protein_coding	-0.5382	0.432915
ENSMUSG00000050730.18,Arhgap42,protein_coding	-0.5387	0.031208
ENSMUSG00000054517.10,Trim65,protein_coding	-0.5387	0.056706
ENSMUSG00000071715.13,Ncf4,protein_coding	-0.5389	0.711462
ENSMUSG00000142640.1,ENSMUSG00000142640,lncRNA	-0.5391	0.466653
ENSMUSG00000102744.2,5830444F18Rik,TEC	-0.5391	0.183644
ENSMUSG00000102324.2,Gm19721,TEC	-0.5404	0.172995
ENSMUSG00000106944.2,Gm43843,TEC	-0.5408	0.170217
ENSMUSG00000038242.13,Aox4,protein_coding	-0.5412	0.237548
ENSMUSG00000090063.8,Dlx6os1,lncRNA	-0.5414	0.407115
ENSMUSG00000019772.6,Vip,protein_coding	-0.5414	0.236051
ENSMUSG00000093593.2,Gm20683,protein_coding	-0.5417	0.463795
ENSMUSG00000020205.9,Phlda1,protein_coding	-0.5422	0.02679
ENSMUSG00000115729.3,Gm5468,lncRNA	-0.5423	0.257163
ENSMUSG00000090053.10,Pakap,protein_coding	-0.5425	0.081158
ENSMUSG00000102685.2,Gm37373,TEC	-0.5426	0.314684
ENSMUSG00000098488.8,Pla2g4b,protein_coding	-0.5429	0.299984
ENSMUSG00000106205.2,C230096K16Rik,TEC	-0.5436	0.109599
ENSMUSG00000114623.2,Gm34788,lncRNA	-0.5439	0.152103
ENSMUSG00000129444.1,ENSMUSG00000129444,lncRNA	-0.5439	0.46053
ENSMUSG00000116842.2,Gm49588,TEC	-0.544	0.21959
ENSMUSG00000126610.1,ENSMUSG00000126610,lncRNA	-0.5444	0.673661
ENSMUSG00000023052.9,Npff,protein_coding	-0.5446	0.249971
ENSMUSG00000043251.7,Exoc3l,protein_coding	-0.5446	0.456445

ENSMUSG00000143227.1,ENSMUSG00000143227,lncRNA	-0.5448	0.440946
ENSMUSG00000028007.14,Snx7,protein_coding	-0.545	0.166769
ENSMUSG00002075987.1,Gm55636,misc_RNA	-0.5452	0.418465
ENSMUSG00000117829.3,Gm50336,lncRNA	-0.5452	0.262925
ENSMUSG00000024172.11,St6gal2,protein_coding	-0.5453	0.187293
ENSMUSG00000120260.2,Gm56894,lncRNA	-0.5454	0.425237
ENSMUSG00000006241.17,Ccdc159,protein_coding	-0.5457	0.148287
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ENSMUSG00000102780.2,Gm38253,TEC	-0.5462	0.199452
ENSMUSG00000022949.10,Clic6,protein_coding	-0.5465	0.419436
ENSMUSG00000087368.9,BC065397,lncRNA	-0.5466	0.078476
ENSMUSG00000053111.14,Fank1,protein_coding	-0.5467	0.323616
ENSMUSG00000097073.9,9430037G07Rik,lncRNA	-0.5469	0.398985
ENSMUSG00000103959.3,Gm37720,TEC	-0.5471	0.293565
ENSMUSG00000005917.16,Otx1,protein_coding	-0.5471	0.234588
ENSMUSG00000105571.2,Gm43662,TEC	-0.5472	0.313791
ENSMUSG00000117557.2,Gm50070,lncRNA	-0.5473	0.400327
ENSMUSG00000027401.10,Tgm3,protein_coding	-0.5474	0.359289
ENSMUSG00000105003.2,Gm40055,lncRNA	-0.5476	0.525876
ENSMUSG00000064600.3,Gm25636,snoRNA	-0.5476	0.511426
ENSMUSG00000097245.2,Gm5421,processed_pseudogene	-0.5481	0.322881
ENSMUSG00000031112.11,Stk26,protein_coding	-0.5485	0.420386
ENSMUSG00000104121.2,Gm37485,TEC	-0.5485	0.04902
ENSMUSG00000109088.4,Gm44593,lncRNA	-0.5488	0.289588
ENSMUSG00000130204.1,ENSMUSG00000130204,lncRNA	-0.549	0.192895
ENSMUSG00000037143.18,Cfap61,protein_coding	-0.5491	0.340969
ENSMUSG00000040428.20,Plekha4,protein_coding	-0.55	0.209722
ENSMUSG00000117126.2,Gm49924,TEC	-0.5501	0.442866
ENSMUSG00000064604.3,Snora44,snoRNA	-0.5502	0.505772
ENSMUSG00000097441.3,Gm26633,lncRNA	-0.5502	0.185226
ENSMUSG00000116852.4,1700102H20Rik,lncRNA	-0.5507	0.274075
ENSMUSG00000050010.9,Shisa3,protein_coding	-0.5509	0.498182
ENSMUSG00000102321.2,Gm37792,TEC	-0.5509	0.22801
ENSMUSG00000138003.1,ENSMUSG00000138003,lncRNA	-0.5511	0.517604
ENSMUSG00000053746.9,Ptrh1,protein_coding	-0.5513	0.208543
ENSMUSG00000107971.2,Gm44260,TEC	-0.5514	0.592087
ENSMUSG00000121654.1,ENSMUSG00000121654,lncRNA	-0.5514	0.197484
ENSMUSG00000055341.11,Zfp457,protein_coding	-0.5519	0.046857
ENSMUSG00000137642.1,ENSMUSG00000137642,lncRNA	-0.552	0.486656
ENSMUSG00000128101.1,ENSMUSG00000128101,lncRNA	-0.5525	0.365678
ENSMUSG00000027489.16,Necab3,protein_coding	-0.5526	0.160731
ENSMUSG00000104039.2,Gm37772,TEC	-0.5528	0.162074
ENSMUSG00000130040.1,ENSMUSG00000130040,lncRNA	-0.5535	0.409359
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ENSMUSG00000069755.7,Zfp125,transcribed_unprocessed_pseudogene	-0.5541	0.096178
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ENSMUSG00000051726.7,Kcnf1,protein_coding	-0.5543	0.246027
ENSMUSG00000031286.7,Glt28d2,protein_coding	-0.5547	0.454031
ENSMUSG00000081769.11,Gm12216,lncRNA	-0.5551	0.365402
ENSMUSG00000109109.2,Gm44953,TEC	-0.5552	0.281491

ENSMUSG00000078173.4,Lenep,protein_coding	-0.5554	0.211379
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ENSMUSG00000046321.9,Hs3st2,protein_coding	-0.5556	0.414333
ENSMUSG00000022371.18,Col14a1,protein_coding	-0.5557	0.224686
ENSMUSG00000105460.2,Gm42671,TEC	-0.5559	0.250699
ENSMUSG00000101061.3,Platr1,lncRNA	-0.5561	0.742619
ENSMUSG00000134879.1,ENSMUSG00000134879,lncRNA	-0.5572	0.503842
ENSMUSG00000022754.7,Tmem45a,protein_coding	-0.558	0.463877
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ENSMUSG00000038188.18,Scarf1,protein_coding	-0.5585	0.415318
ENSMUSG00000110206.2,Flt3l,protein_coding	-0.5587	0.193805
ENSMUSG00000107881.2,Gm44250,TEC	-0.5591	0.242962
ENSMUSG00000143523.1,ENSMUSG00000143523,lncRNA	-0.5595	0.32993
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ENSMUSG00000111345.2,Gm48562,TEC	-0.5604	0.138853
ENSMUSG00000022385.12,Gtse1,protein_coding	-0.5605	0.611055
ENSMUSG00000128889.1,ENSMUSG00000128889,lncRNA	-0.5606	0.371788
ENSMUSG00000132897.1,ENSMUSG00000132897,lncRNA	-0.5606	0.153071
ENSMUSG00000111323.2,Gm48129,lncRNA	-0.5607	0.426229
ENSMUSG00000134149.1,ENSMUSG00000134149,lncRNA	-0.5608	0.622587
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ENSMUSG00000136369.1,ENSMUSG00000136369,lncRNA	-0.5619	0.410846
ENSMUSG00000105909.2,Gm43189,lncRNA	-0.5619	0.521231
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ENSMUSG00000034271.17,Jdp2,protein_coding	-0.5622	0.012366
ENSMUSG00000102651.2,Gm37080,TEC	-0.5623	0.475878
ENSMUSG00000142601.1,ENSMUSG00000142601,lncRNA	-0.5625	0.422923
ENSMUSG00000028407.5,Smim27,protein_coding	-0.5627	0.394219
ENSMUSG00000035842.11,Ddx11,protein_coding	-0.5627	0.408249
ENSMUSG00000026683.15,Nuf2,protein_coding	-0.5628	0.549733
ENSMUSG00000029563.17,Foxp2,protein_coding	-0.5632	0.112045
ENSMUSG00000136601.1,ENSMUSG00000136601,lncRNA	-0.5634	0.451111
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ENSMUSG00000028073.17,Pear1,protein_coding	-0.5638	0.069317
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ENSMUSG00000127474.1,ENSMUSG00000127474,lncRNA	-0.5646	0.504419
ENSMUSG00000102600.2,Gm37266,TEC	-0.5656	0.338047
ENSMUSG00000031629.15,Cenpu,protein_coding	-0.5658	0.228509
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ENSMUSG00000091194.2,Gm19840,processed_pseudogene	-0.5663	0.318414
ENSMUSG00000010592.10,Dazl,protein_coding	-0.5664	0.329102
ENSMUSG00000106391.3,Gm42690,TEC	-0.5664	0.387759
ENSMUSG00000104708.2,Gm42503,TEC	-0.5669	0.353207
ENSMUSG00000110170.2,St6galnac2,protein_coding	-0.5669	0.319548
ENSMUSG00000026147.17,Col9a1,protein_coding	-0.5669	0.214272
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ENSMUSG00000103779.2,Gm36931,TEC	-0.5674	0.168753
ENSMUSG00000020080.9,Hkdc1,protein_coding	-0.5675	0.304243

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ENSMUSG00000021069.18,Pygl,protein_coding	-0.5678	0.370605
ENSMUSG00000099746.2,Ppnr,lncRNA	-0.568	0.057932
ENSMUSG00000103999.2,Gm38026,TEC	-0.5685	0.58161
ENSMUSG00000025140.16,Pycr1,protein_coding	-0.5688	0.519459
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ENSMUSG00000059857.17,Ntng1,protein_coding	-0.5706	0.099341
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ENSMUSG00000085007.4,Smim43,protein_coding	-0.5711	0.175333
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ENSMUSG00000044595.11,Dnd1,protein_coding	-0.5742	0.290912
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ENSMUSG00000034738.9,Nostrin,protein_coding	-0.5747	0.126023
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ENSMUSG00000048200.13,Cracr2b,protein_coding	-0.577	0.361404
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ENSMUSG00000069892.10,9930111J21Rik2,protein_coding	-0.5795	0.452014
ENSMUSG00000029552.20,Tes,protein_coding	-0.5798	0.427704
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ENSMUSG00000019880.11,Rspo3,protein_coding	-0.5809	0.16694
ENSMUSG00000030270.12,Cpne9,protein_coding	-0.5811	0.054045
ENSMUSG00000022537.19,Tmem44,protein_coding	-0.5813	0.135557
ENSMUSG00000030725.5,Lipt2,protein_coding	-0.5813	0.242979
ENSMUSG00000030247.10,Kcnj8,protein_coding	-0.5814	0.255047
ENSMUSG00000093178.3,Snord87,snoRNA	-0.5815	0.394099
ENSMUSG00000104213.6,Ighd,IG_C_gene	-0.5824	0.786264
ENSMUSG00000056758.15,Hmga2,protein_coding	-0.5829	0.269966
ENSMUSG00000142475.1,ENSMUSG00000142475,lncRNA	-0.583	0.309309

ENSMUSG00000110127.2,6430710M23Rik,TEC	-0.5837	0.20983
ENSMUSG00000027400.12,Pdyn,protein_coding	-0.584	0.337081
ENSMUSG00000064262.8,Gimap8,protein_coding	-0.584	0.472875
ENSMUSG00000064742.3,Rnu6-ps1,snRNA	-0.5842	0.416493
ENSMUSG00000105504.5,Gbp5,protein_coding	-0.5845	0.618282
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ENSMUSG00000045005.10,Fzd5,protein_coding	-0.5852	0.259958
ENSMUSG00000021587.6,Pcsk1,protein_coding	-0.5868	0.145003
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ENSMUSG00002075351.1,Gm56368,misc_RNA	-0.5874	0.522545
ENSMUSG00000019773.8,Fbxo5,protein_coding	-0.5874	0.542627
ENSMUSG00000087400.11,Gm15270,lncRNA	-0.5878	0.213304
ENSMUSG00000105528.2,Gm43519,TEC	-0.5883	0.369825
ENSMUSG00000020374.17,Rasgef1c,protein_coding	-0.5887	0.181995
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ENSMUSG00000121740.2,4930403O15Rik,lncRNA	-0.5895	0.455044
ENSMUSG00000096971.5,4930556M19Rik,lncRNA	-0.5895	0.211245
ENSMUSG00000021108.19,Prkch,protein_coding	-0.5905	0.094278
ENSMUSG00000109863.2,Gm45643,TEC	-0.5909	0.178304
ENSMUSG00000044468.15,Tent5c,protein_coding	-0.5916	0.266769
ENSMUSG00000062542.12,Syt9,protein_coding	-0.5918	0.185942
ENSMUSG00000107140.2,Gm43811,TEC	-0.5923	0.378565
ENSMUSG00000073555.2,Iigp1c,protein_coding	-0.5925	0.551156
ENSMUSG00000005640.13,Insrr,protein_coding	-0.5929	0.38424
ENSMUSG00000102153.2,Gm37474,TEC	-0.593	0.303787
ENSMUSG00000084807.3,Gm13073,lncRNA	-0.5945	0.661782
ENSMUSG00000089936.2,Gm16199,processed_pseudogene	-0.5948	0.31463
ENSMUSG00000116081.2,Gm49593,TEC	-0.5952	0.324528
ENSMUSG00000034833.11,Tespa1,protein_coding	-0.5964	0.700442
ENSMUSG00000049588.14,Ccdc69,protein_coding	-0.5964	0.525699
ENSMUSG00000052726.17,Kcnt2,protein_coding	-0.5968	0.145326
ENSMUSG00000047143.4,Dmrta2,protein_coding	-0.5971	0.368885
ENSMUSG00000105519.2,E430021H15Rik,TEC	-0.5974	0.178982
ENSMUSG00000021948.18,Prkcd,protein_coding	-0.5975	0.489253
ENSMUSG00000040632.17,Nrl,protein_coding	-0.5979	0.752392
ENSMUSG00000028294.16,Cfap206,protein_coding	-0.599	0.363351
ENSMUSG00000102160.2,Gm36944,TEC	-0.5991	0.278032
ENSMUSG00000092048.4,Vmn2r85,protein_coding	-0.5996	0.153094
ENSMUSG00000121769.1,ENSMUSG00000121769,lncRNA	-0.6001	0.550599
ENSMUSG00000074527.12,Gm14296,protein_coding	-0.6002	0.09479
ENSMUSG00000021643.16,Serf1,protein_coding	-0.6005	0.074299
ENSMUSG00000107390.2,Gm43323,TEC	-0.6005	0.401163
ENSMUSG00000091655.4,Gm8741,processed_pseudogene	-0.6005	0.774863
ENSMUSG00000029334.15,Prkg2,protein_coding	-0.6005	0.126183
ENSMUSG00000103082.2,Gm38124,TEC	-0.6009	0.197139
ENSMUSG00000063594.6,Gng8,protein_coding	-0.6019	0.334148
ENSMUSG00000144085.1,ENSMUSG00000144085,lncRNA	-0.6023	0.374602
ENSMUSG00000120735.2,Gm56620,lncRNA	-0.6029	0.194907
ENSMUSG00000066693.3,Gm7493,processed_pseudogene	-0.6034	0.305016
ENSMUSG00000115639.3,4930404K13Rik,lncRNA	-0.6034	0.276586
ENSMUSG00000039410.17,Prdm16,protein_coding	-0.6037	0.078781
ENSMUSG00000033721.17,Vav3,protein_coding	-0.6037	0.090598

ENSMUSG00000113257.3,Gm30409,lncRNA	-0.6039	0.257914
ENSMUSG00000118828.1,Gm26488,snoRNA	-0.6045	0.62289
ENSMUSG00000119773.1,Gm24220,snoRNA	-0.6045	0.62289
ENSMUSG00000097801.3,Gm26777,lncRNA	-0.6053	0.102259
ENSMUSG00000022422.14,Dscc1,protein_coding	-0.6053	0.624877
ENSMUSG00000028310.3,Ppp3r2,protein_coding	-0.6055	0.184542
ENSMUSG00000030149.16,Klrk1,protein_coding	-0.6058	0.540804
ENSMUSG00000048485.13,Zbtb8b,protein_coding	-0.6061	0.137967
ENSMUSG00000050994.22,Adgb,protein_coding	-0.6065	0.378673
ENSMUSG00000085936.10,2610307P16Rik,lncRNA	-0.6066	0.080507
ENSMUSG00000003032.9,Klf4,protein_coding	-0.6072	0.19631
ENSMUSG00000058152.9,Chsy3,protein_coding	-0.6077	0.14976
ENSMUSG00000026039.10,Sgo2a,protein_coding	-0.6077	0.564994
ENSMUSG00000116838.2,Gm6475,processed_pseudogene	-0.6078	0.393664
ENSMUSG00000110996.3,Gm36251,lncRNA	-0.6083	0.398242
ENSMUSG00000044937.16,Ttc41,protein_coding	-0.6086	0.062651
ENSMUSG00000040329.15,Il7,protein_coding	-0.6092	0.630856
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ENSMUSG00000018169.13,Mfng,protein_coding	-0.6097	0.412631
ENSMUSG00000069793.13,Slfn9,protein_coding	-0.61	0.467405
ENSMUSG00000027424.12,Mgme1,protein_coding	-0.61	0.124936
ENSMUSG00000005268.21,Prlr,protein_coding	-0.6101	0.257664
ENSMUSG00000098875.3,Gm27211,lncRNA	-0.6102	0.52377
ENSMUSG00000111474.3,Gm32926,lncRNA	-0.6102	0.157549
ENSMUSG00000074627.12,Mroh8,protein_coding	-0.6108	0.289631
ENSMUSG00000044948.18,Cfap43,protein_coding	-0.6108	0.287913
ENSMUSG00000053101.4,Gpr141,protein_coding	-0.6109	0.602878
ENSMUSG00000036972.15,Zic4,protein_coding	-0.6111	0.225288
ENSMUSG00000038418.9,Egr1,protein_coding	-0.6116	0.172779
ENSMUSG00000022342.7,Kcnv1,protein_coding	-0.6116	0.286975
ENSMUSG00000105846.2,Gm43258,lncRNA	-0.6121	0.22913
ENSMUSG00000023064.5,Sncg,protein_coding	-0.6126	0.525941
ENSMUSG00000028017.8,Egf,protein_coding	-0.6128	0.216523
ENSMUSG00000086509.4,Nkx2-2os,lncRNA	-0.6128	0.241523
ENSMUSG00000008845.10,Cd163,protein_coding	-0.6128	0.566045
ENSMUSG00000111077.2,Gm48743,TEC	-0.613	0.151957
ENSMUSG00000100303.6,2600014E21Rik,lncRNA	-0.6138	0.24231
ENSMUSG00000104279.2,Gm38300,TEC	-0.6153	0.146616
ENSMUSG00000032128.16,Robo3,protein_coding	-0.616	0.161735
ENSMUSG00000025350.16,Rdh5,protein_coding	-0.6164	0.110202
ENSMUSG00000113966.2,Gm47980,TEC	-0.6166	0.148276
ENSMUSG00000032355.17,Mlip,protein_coding	-0.6168	0.184818
ENSMUSG00000051378.11,Kif18b,protein_coding	-0.6171	0.605169
ENSMUSG00000097472.3,Gm26586,lncRNA	-0.6172	0.374004
ENSMUSG00000134669.1,ENSMUSG00000134669,lncRNA	-0.618	0.437559
ENSMUSG00000100944.2,Gm28900,processed_pseudogene	-0.6181	0.498358
ENSMUSG00000093392.2,Gm6061,transcribed_processed_pseudogene	-0.6182	0.53518
ENSMUSG00000033491.15,Prss35,protein_coding	-0.6185	0.050172
ENSMUSG00000069743.6,Zfp820,protein_coding	-0.6187	0.408912
ENSMUSG00000083396.2,Gm15542,processed_pseudogene	-0.6189	0.146907
ENSMUSG00000103803.2,Gm37064,TEC	-0.6193	0.338037
ENSMUSG00000105701.2,Gm42587,TEC	-0.6194	0.345249

ENSMUSG00000144117.1,ENSMUSG00000144117,lncRNA	-0.6194	0.328823
ENSMUSG00000105520.2,Gm42837,TEC	-0.6199	0.231427
ENSMUSG00000091288.2,Gm17075,processed_pseudogene	-0.6199	0.222999
ENSMUSG00000038331.16,Satb2,protein_coding	-0.6201	0.190627
ENSMUSG00000021281.16,Tnfaip2,protein_coding	-0.6203	0.539885
ENSMUSG00000074006.4,Omp,protein_coding	-0.6205	0.242633
ENSMUSG00000100707.2,Gm28523,lncRNA	-0.621	0.332028
ENSMUSG00000031548.8,Sfrp1,protein_coding	-0.6214	0.033368
ENSMUSG00000084803.10,5830444B04Rik,lncRNA	-0.6222	0.67758
ENSMUSG00000024727.10,Trpm6,protein_coding	-0.6226	0.286557
ENSMUSG00000086844.4,B230206H07Rik,lncRNA	-0.6228	0.163975
ENSMUSG00000051457.8,Spn,protein_coding	-0.6231	0.521424
ENSMUSG00000094942.8,Gm3604,protein_coding	-0.6236	0.43974
ENSMUSG00000006218.5,Fam131c,protein_coding	-0.6238	0.320388
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ENSMUSG00000033970.16,Rfc3,protein_coding	-0.6239	0.288504
ENSMUSG00000118477.2,Gm18126,processed_pseudogene	-0.6244	0.436506
ENSMUSG00000094732.5,1500015L24Rik,lncRNA	-0.6245	0.171261
ENSMUSG00000043036.15,Ccdc63,protein_coding	-0.6246	0.385527
ENSMUSG00000063698.10,Sfxn4,protein_coding	-0.6247	0.004186
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ENSMUSG00000000409.15,Lck,protein_coding	-0.6251	0.479417
ENSMUSG00000137121.1,ENSMUSG00000137121,lncRNA	-0.626	0.401819
ENSMUSG00000131911.1,4933417C20Rik,lncRNA	-0.6265	0.619732
ENSMUSG00000038037.6,Socs1,protein_coding	-0.6269	0.55045
ENSMUSG00000073490.12,Ifi207,protein_coding	-0.6271	0.665929
ENSMUSG00000118341.2,Gm50252,lncRNA	-0.6271	0.847409
ENSMUSG00000048138.11,Dmrt2,protein_coding	-0.6271	0.463521
ENSMUSG00000120352.2,Gm57078,lncRNA	-0.6272	0.355979
ENSMUSG00000034706.17,Dnai2,protein_coding	-0.6273	0.247624
ENSMUSG00000115071.2,Gm49026,TEC	-0.6277	0.147822
ENSMUSG00000124283.1,ENSMUSG00000124283,lncRNA	-0.6286	0.337023
ENSMUSG00000008461.7,Fut1,protein_coding	-0.6294	0.830148
ENSMUSG00000114190.2,4930556H04Rik,TEC	-0.6295	0.277356
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ENSMUSG00000140459.1,ENSMUSG00000140459,lncRNA	-0.6302	0.384913
ENSMUSG00000056899.11,Immp2l,protein_coding	-0.6308	0.21372
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ENSMUSG00000079491.11,H2-T10,protein_coding	-0.632	0.197392
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ENSMUSG00000042622.15,Maff,protein_coding	-0.6352	0.417071
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ENSMUSG00000027322.12,Siglec1,protein_coding	-0.6373	0.551025
ENSMUSG00000033355.7,Rtp4,protein_coding	-0.6377	0.339352
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ENSMUSG00000105707.2,Gm43753,TEC	-0.6444	0.086151
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ENSMUSG00000051354.15,Samd3,protein_coding	-0.645	0.325321
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ENSMUSG00000100620.2,Gm28277,lncRNA	-0.6474	0.20867
ENSMUSG00000135495.1,ENSMUSG00000135495,lncRNA	-0.6477	0.198412
ENSMUSG00000020905.12,Usp43,protein_coding	-0.6482	0.131993
ENSMUSG00000029798.12,Herc6,protein_coding	-0.6483	0.188106
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ENSMUSG00000037217.16,Syn1,protein_coding	-0.6496	0.25624
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ENSMUSG00000032093.8,Cd3e,protein_coding	-0.6501	0.468453
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ENSMUSG00000097271.2,Gm9903,lncRNA	-0.6503	0.159445
ENSMUSG00000024957.11,Kcnk4,protein_coding	-0.6514	0.193515
ENSMUSG00000087484.3,2900089D17Rik,lncRNA	-0.6516	0.175788
ENSMUSG00000103570.2,C630004M23Rik,TEC	-0.6519	0.353435
ENSMUSG00000074887.7,EU599041,lncRNA	-0.6519	0.697086
ENSMUSG00000116319.2,Gm49429,TEC	-0.652	0.426862
ENSMUSG00000059585.5,Ube2nl,processed_pseudogene	-0.652	0.341293
ENSMUSG00000093938.3,Evi2b,protein_coding	-0.6521	0.554704
ENSMUSG00000043897.14,Vmn2r2,protein_coding	-0.6528	0.544963
ENSMUSG00000090210.8,Itga10,protein_coding	-0.653	0.103982
ENSMUSG00000142023.1,ENSMUSG00000142023,lncRNA	-0.6534	0.322582
ENSMUSG00000089875.5,Etohd2,lncRNA	-0.6536	0.090779
ENSMUSG00000138818.1,ENSMUSG00000138818,lncRNA	-0.6546	0.142688
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ENSMUSG00000090061.10,Nwd2,protein_coding	-0.6574	0.205364
ENSMUSG00000049103.15,Ccr2,protein_coding	-0.6576	0.478833
ENSMUSG00000134230.1,ENSMUSG00000134230,lncRNA	-0.6579	0.490889
ENSMUSG00000110326.2,Gm45378,TEC	-0.6579	0.073758
ENSMUSG00000049676.15,Catsperg1,protein_coding	-0.6587	0.381302
ENSMUSG00000000791.10,Il12rb1,protein_coding	-0.6591	0.410761
ENSMUSG00000006179.10,Prss16,protein_coding	-0.6594	0.584547
ENSMUSG00000116641.4,Gm41505,lncRNA	-0.6597	0.204239
ENSMUSG00000114888.2,Gm49616,TEC	-0.661	0.492335
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ENSMUSG00000029822.16,Osbpl3,protein_coding	-0.6625	0.01793
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ENSMUSG00000102370.2,Gm37973,TEC	-0.6627	0.193749
ENSMUSG00000048012.20,Zfp473,protein_coding	-0.6632	0.186164
ENSMUSG00000102243.2,Gm37718,TEC	-0.6647	0.228932
ENSMUSG00000097322.10,A530083I20Rik,lncRNA	-0.6648	0.166753
ENSMUSG00000120091.2,Gm56529,lncRNA	-0.6649	0.068221
ENSMUSG00000117247.2,Gm49923,TEC	-0.6649	0.191251
ENSMUSG00000081431.2,Gm15483,processed_pseudogene	-0.6649	0.481654
ENSMUSG00000103839.2,Gm37607,TEC	-0.6649	0.0502
ENSMUSG00000120374.2,Gm57280,lncRNA	-0.6653	0.201116
ENSMUSG00000102972.2,Gm37348,processed_pseudogene	-0.6659	0.206479
ENSMUSG00000112089.2,Gm47712,lncRNA	-0.6661	0.360778
ENSMUSG00000121190.1,Gm56997,lncRNA	-0.6662	0.543636
ENSMUSG00000089782.2,Btf3-ps1,processed_pseudogene	-0.6668	0.237666
ENSMUSG00000027867.11,Spag17,protein_coding	-0.6669	0.503846
ENSMUSG00000115232.2,Gm49378,protein_coding	-0.6671	0.238196

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ENSMUSG00000112630.4,Gm36908,lncRNA	-0.6679	0.315546
ENSMUSG00000130452.1,ENSMUSG00000130452,lncRNA	-0.6683	0.299113
ENSMUSG00000050075.9,Gpr171,protein_coding	-0.6685	0.464978
ENSMUSG00000043924.17,Ncmap,protein_coding	-0.6685	0.29678
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ENSMUSG00000057719.12,Sh3rf2,protein_coding	-0.6687	0.554712
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ENSMUSG00000049515.13,Espnl,protein_coding	-0.6699	0.622629
ENSMUSG00000067276.6,Capn6,protein_coding	-0.6708	0.096223
ENSMUSG00000055027.18,Smyd1,protein_coding	-0.6711	0.165394
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ENSMUSG00000139489.1,ENSMUSG00000139489,lncRNA	-0.6713	0.299786
ENSMUSG00000032369.14,Plscr1,protein_coding	-0.6715	0.258443
ENSMUSG00000138567.1,Gm42151,lncRNA	-0.6718	0.101997
ENSMUSG00000079455.12,Sp110-ps1,transcribed_unprocessed_pseudogene	-0.6718	0.790827
ENSMUSG00000037279.14,Ovol2,protein_coding	-0.672	0.395041
ENSMUSG00000049526.9,Tmem202,protein_coding	-0.672	0.330025
ENSMUSG00000117356.3,Gm46633,lncRNA	-0.6727	0.2022
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ENSMUSG00000045165.7,AI467606,protein_coding	-0.6734	0.468849
ENSMUSG00000110325.2,Gm45293,TEC	-0.6734	0.053281
ENSMUSG00000022876.19,Samsn1,protein_coding	-0.6735	0.563622
ENSMUSG00000022032.15,Scara5,protein_coding	-0.6743	0.333413
ENSMUSG00000066677.13,Ifi208,protein_coding	-0.6753	0.405009
ENSMUSG00000065061.3,Gm22884,snoRNA	-0.6753	0.746801
ENSMUSG00000026736.4,4930426L09Rik,lncRNA	-0.6754	0.174041
ENSMUSG00000102579.2,Gm37965,TEC	-0.6775	0.189154
ENSMUSG00000111971.3,Gm48678,lncRNA	-0.6783	0.259133
ENSMUSG00000051777.7,Iqcj,protein_coding	-0.6787	0.124831
ENSMUSG00000026896.15,Ifih1,protein_coding	-0.6794	0.212788
ENSMUSG00000130776.1,ENSMUSG00000130776,lncRNA	-0.6797	0.194408
ENSMUSG00000047230.7,Cldn2,protein_coding	-0.68	0.284206
ENSMUSG00000095294.3,Potefam3b,protein_coding	-0.6804	0.220492
ENSMUSG00000034009.15,Rxfp1,protein_coding	-0.6805	0.261653
ENSMUSG00000100347.2,Gm7895,processed_pseudogene	-0.6806	0.324832
ENSMUSG00000016494.10,Cd34,protein_coding	-0.6808	0.058926
ENSMUSG00000109459.3,Gm39526,lncRNA	-0.6809	0.128439
ENSMUSG00000111970.4,Gm47715,lncRNA	-0.6811	0.357589
ENSMUSG00000112074.3,Gm48278,lncRNA	-0.6816	0.271403
ENSMUSG00000081665.3,Pira1,protein_coding	-0.6823	0.615554
ENSMUSG00000083465.2,Gm11652,processed_pseudogene	-0.6825	0.252725
ENSMUSG00000037984.10,Neurod6,protein_coding	-0.6827	0.200165
ENSMUSG00000068200.7,Gm5931,processed_pseudogene	-0.6836	0.66408
ENSMUSG00000061577.13,Adgrg5,protein_coding	-0.6837	0.48142
ENSMUSG00000045273.9,Cenph,protein_coding	-0.6844	0.575008
ENSMUSG00000118876.1,Rnu1b1,snRNA	-0.6856	0.814094
ENSMUSG00000082724.4,Gm14416,unprocessed_pseudogene	-0.6858	0.337316
ENSMUSG00000107524.2,Gm44136,TEC	-0.6865	0.159743
ENSMUSG00000113226.2,Gm47808,lncRNA	-0.6865	0.154636

ENSMUSG00000051965.9,Nanos2,protein_coding	-0.6869	0.370993
ENSMUSG00000107158.2,Gm42728,TEC	-0.6875	0.110696
ENSMUSG00000067879.4,Vxn,protein_coding	-0.6876	0.186737
ENSMUSG00000024300.18,Myo1f,protein_coding	-0.6881	0.361923
ENSMUSG00000108260.2,Gm3793,TEC	-0.6883	0.227204
ENSMUSG00000062783.3,Csprs,protein_coding	-0.6884	0.706902
ENSMUSG00000102581.2,Gm37443,TEC	-0.6888	0.036751
ENSMUSG00000113045.2,Gm48621,TEC	-0.689	0.147361
ENSMUSG00000087176.3,D230022J07Rik,lncRNA	-0.6894	0.403398
ENSMUSG00000106262.2,Gm43375,TEC	-0.6896	0.120705
ENSMUSG00000041911.4,Dlx1,protein_coding	-0.6897	0.161641
ENSMUSG00000112369.2,Gm47911,TEC	-0.6901	0.317207
ENSMUSG00000086236.11,5830418P13Rik,lncRNA	-0.6902	0.387625
ENSMUSG00000116347.2,Gm49416,protein_coding	-0.6906	0.744919
ENSMUSG00000026012.3,Cd28,protein_coding	-0.6906	0.37176
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ENSMUSG00000039021.16,Ttc16,protein_coding	-0.6924	0.322923
ENSMUSG00000024043.14,Arhgap28,protein_coding	-0.6929	0.160087
ENSMUSG00000117718.4,1500032F14Rik,lncRNA	-0.6932	0.130426
ENSMUSG00000056116.19,H2-T22,protein_coding	-0.6936	0.34958
ENSMUSG00000097445.2,Gm26631,lncRNA	-0.6938	0.466441
ENSMUSG00000123737.1,ENSMUSG00000123737,lncRNA	-0.6938	0.305262
ENSMUSG00000008438.4,Adam21,protein_coding	-0.6942	0.181598
ENSMUSG00000103477.2,5930409G06Rik,TEC	-0.6942	0.387492
ENSMUSG00000029082.18,Bst1,protein_coding	-0.6943	0.466364
ENSMUSG00000142292.1,ENSMUSG00000142292,lncRNA	-0.6944	0.763818
ENSMUSG00000116740.2,Gm49659,TEC	-0.6946	0.218571
ENSMUSG00000102719.2,Gm37760,TEC	-0.6949	0.431905
ENSMUSG00000114622.2,Gm18990,processed_pseudogene	-0.6963	0.344721
ENSMUSG00000026525.10,Opn3,protein_coding	-0.6967	0.138791
ENSMUSG00000074357.4,AA386476,lncRNA	-0.6967	0.194334
ENSMUSG00000020884.16,Asgr1,protein_coding	-0.6975	0.331442
ENSMUSG00000125669.1,ENSMUSG00000125669,lncRNA	-0.6983	0.429961
ENSMUSG00000110067.3,6330411D24Rik,protein_coding	-0.6987	0.15386
ENSMUSG00000121208.2,Gm56917,lncRNA	-0.6996	0.097506
ENSMUSG00000030717.10,Nupr1,protein_coding	-0.7006	0.220159
ENSMUSG00000040253.16,Gbp7,protein_coding	-0.7009	0.419409
ENSMUSG00000120529.2,Gm57080,lncRNA	-0.7019	0.269642
ENSMUSG00000043366.17,Or51e2,protein_coding	-0.7021	0.380282
ENSMUSG00000072980.4,Oip5,protein_coding	-0.7023	0.393666
ENSMUSG00000103039.2,Gm37123,TEC	-0.7023	0.1246
ENSMUSG00000103348.2,Gm37053,TEC	-0.7024	0.139683
ENSMUSG00000103482.2,Gm37999,TEC	-0.7024	0.149336
ENSMUSG00000110084.2,Gm45257,TEC	-0.7031	0.149054
ENSMUSG00000069307.8,H2bc23,protein_coding	-0.7031	0.810176
ENSMUSG00000040483.16,Xaf1,protein_coding	-0.7032	0.201017
ENSMUSG00000074867.5,Zfp808,protein_coding	-0.7035	0.25524
ENSMUSG00000117674.3,Gm31087,lncRNA	-0.7036	0.224962
ENSMUSG00000062081.7,Gm6055,processed_pseudogene	-0.7045	0.495748
ENSMUSG00000141017.1,ENSMUSG00000141017,lncRNA	-0.7049	0.247817
ENSMUSG00000104138.2,Gm36949,TEC	-0.7054	0.20894

ENSMUSG00000112257.2,Gm47623,TEC	-0.7056	0.526052
ENSMUSG00000120068.2,Gm56647,lncRNA	-0.7058	0.219924
ENSMUSG00000078853.9,Igtp,protein_coding	-0.7066	0.482422
ENSMUSG00000106063.2,C030032O16Rik,lncRNA	-0.7072	0.302326
ENSMUSG00000130901.1,ENSMUSG00000130901,lncRNA	-0.708	0.209542
ENSMUSG00000103492.2,Gm37412,TEC	-0.7085	0.247605
ENSMUSG00000045932.13,Ifit2,protein_coding	-0.7087	0.16193
ENSMUSG00000050122.21,Vwa3b,protein_coding	-0.7091	0.247621
ENSMUSG00000129686.1,ENSMUSG00000129686,lncRNA	-0.7096	0.751833
ENSMUSG00000128646.1,ENSMUSG00000128646,lncRNA	-0.7096	0.800694
ENSMUSG00000119666.1,Snord50a,snoRNA	-0.7096	0.825586
ENSMUSG00000078606.9,Gvin2,protein_coding	-0.7105	0.459198
ENSMUSG00000104807.3,Gm42865,lncRNA	-0.7107	0.292922
ENSMUSG00000040624.19,Plekhg1,protein_coding	-0.7118	0.133401
ENSMUSG00000123862.1,ENSMUSG00000123862,lncRNA	-0.7123	0.334155
ENSMUSG00000138400.1,ENSMUSG00000138400,lncRNA	-0.7126	0.150919
ENSMUSG00000063556.6,Gm10132,processed_pseudogene	-0.7127	0.524561
ENSMUSG00000130430.1,ENSMUSG00000130430,lncRNA	-0.713	0.346692
ENSMUSG00000121258.2,Gm57465,lncRNA	-0.7131	0.235395
ENSMUSG00000108766.2,Gm44760,TEC	-0.7132	0.155172
ENSMUSG00000047702.3,Or2y16,protein_coding	-0.7137	0.240815
ENSMUSG00000027955.17,Gask1b,protein_coding	-0.714	0.202588
ENSMUSG00000093587.6,Gm20554,lncRNA	-0.7144	0.371188
ENSMUSG00000118257.3,9630014M24Rik,lncRNA	-0.7167	0.04644
ENSMUSG00000107712.2,Gm43870,TEC	-0.7168	0.048788
ENSMUSG00000115289.2,Gm49164,lncRNA	-0.717	0.080182
ENSMUSG00000079450.13,Cldn34c1,protein_coding	-0.717	0.807567
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ENSMUSG00000055313.16,Pgbd1,protein_coding	-0.7174	0.012469
ENSMUSG00000102521.2,Gm37781,TEC	-0.7178	0.116948
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ENSMUSG00000037921.16,Ddx60,protein_coding	-0.7195	0.282764
ENSMUSG00000102632.2,Gm37786,TEC	-0.7197	0.057171
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ENSMUSG00000029136.10,Rbks,protein_coding	-0.7206	0.391381
ENSMUSG00000030898.16,Cckbr,protein_coding	-0.7215	0.143183
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ENSMUSG00000136957.1,ENSMUSG00000136957,lncRNA	-0.7249	0.353385
ENSMUSG00000109422.2,Gm45174,TEC	-0.725	0.13976
ENSMUSG00000116926.2,Gm18234,processed_pseudogene	-0.7253	0.76095
ENSMUSG00000037318.11,Traf3ip3,protein_coding	-0.7264	0.545313
ENSMUSG00000118106.2,Gm54639,TEC	-0.7265	0.085974
ENSMUSG00000022425.17,Enpp2,protein_coding	-0.7266	0.202129
ENSMUSG00000026177.12,Slc11a1,protein_coding	-0.7278	0.238558
ENSMUSG00000106550.3,Gm43646,lncRNA	-0.7286	0.30735
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ENSMUSG00000074695.4,Il22,protein_coding	-0.7314	0.50141
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ENSMUSG00000023391.9,Dlx2,protein_coding	-0.7322	0.287767
ENSMUSG00000121112.2,Gm57055,lncRNA	-0.7344	0.33415
ENSMUSG00000026475.8,Rgs16,protein_coding	-0.7345	0.251088
ENSMUSG00000142880.1,ENSMUSG00000142880,lncRNA	-0.735	0.114034
ENSMUSG00000054622.7,D730045B01Rik,lncRNA	-0.7355	0.289984
ENSMUSG00000117145.2,Gng5c,protein_coding	-0.7357	0.190071
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ENSMUSG00000105422.2,Gm6089,processed_pseudogene	-0.7368	0.427818
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ENSMUSG00000049123.11,Catsperg2,protein_coding	-0.7447	0.252077
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ENSMUSG00000104586.3,4921539H07Rik,lncRNA	-0.7493	0.053002
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ENSMUSG00000064780.3,Snord95,snoRNA	-0.7504	0.443291
ENSMUSG00002076874.1,Gm56151,misc_RNA	-0.7506	0.187254
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ENSMUSG00000120086.2,Gm56796,lncRNA	-0.7528	0.096366
ENSMUSG00000109828.2,Gm45662,TEC	-0.7534	0.132297
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ENSMUSG00000105461.2,Gm4742,processed_pseudogene	-0.7544	0.453004
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ENSMUSG00000033715.16,Akr1c14,protein_coding	-0.7562	0.070012
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ENSMUSG00000125281.1,ENSMUSG00000125281,lncRNA	-0.7575	0.200277
ENSMUSG00000028644.18,Ermap,protein_coding	-0.7578	0.518699
ENSMUSG00000032717.15,Mdfi,protein_coding	-0.7586	0.275424
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ENSMUSG00000138635.1,ENSMUSG00000138635,lncRNA	-0.763	0.116186
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ENSMUSG00000109290.2,Phgdh-ps1,processed_pseudogene	-0.7695	0.517749
ENSMUSG00000099927.2,Gm8226,processed_pseudogene	-0.7696	0.305197
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ENSMUSG00000032387.16,Rbpms2,protein_coding	-0.7704	0.013779
ENSMUSG00000124190.1,ENSMUSG00000124190,lncRNA	-0.7706	0.075576
ENSMUSG00000027985.15,Lef1,protein_coding	-0.7708	0.068612
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ENSMUSG00000029915.15,Clec5a,protein_coding	-0.7709	0.515701
ENSMUSG00000090671.2,Gm5067,transcribed_processed_pseudogene	-0.7715	0.15253
ENSMUSG00000107495.2,Gm44215,TEC	-0.7724	0.232468
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ENSMUSG00000031283.18,Chrdl1,protein_coding	-0.7731	0.024573
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ENSMUSG00000116525.3,Gm30371,lncRNA	-0.7759	0.125214
ENSMUSG00000120052.2,Gm33046,lncRNA	-0.7779	0.129301
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ENSMUSG00000120142.2,Gm57349,lncRNA	-0.7788	0.205056
ENSMUSG00000120733.1,Gm56657,lncRNA	-0.7789	0.704968
ENSMUSG00000027860.17,Vangl1,protein_coding	-0.7789	0.091669
ENSMUSG00000064325.5,Hhip,protein_coding	-0.7799	0.013899
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ENSMUSG00000039131.16,Gipc2,protein_coding	-0.7851	0.111268
ENSMUSG00000120187.2,Gm54266,lncRNA	-0.7865	0.136396
ENSMUSG00000112759.2,Gm47615,TEC	-0.7869	0.05818
ENSMUSG00000122905.1,ENSMUSG00000122905,lncRNA	-0.7871	0.213821
ENSMUSG00000085016.4,Gm11335,lncRNA	-0.7875	0.231807
ENSMUSG00000048521.9,Cxcr6,protein_coding	-0.7878	0.341536
ENSMUSG00000030793.5,Pycard,protein_coding	-0.788	0.414618
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ENSMUSG00000087060.10,Eldr,lncRNA	-0.7912	0.482328
ENSMUSG00000104631.2,Gm43774,lncRNA	-0.7917	0.102291
ENSMUSG00000111990.2,Gm47033,lncRNA	-0.7917	0.055881
ENSMUSG00000094747.4,Or4f14b,protein_coding	-0.7921	0.311343
ENSMUSG00000113766.2,Gm47374,TEC	-0.7928	0.37953
ENSMUSG00000039963.21,Ccdc40,protein_coding	-0.7931	0.275585
ENSMUSG00000080078.3,Gm15583,transcribed_processed_pseudogene	-0.7943	0.37146
ENSMUSG00000053198.15,Prx,protein_coding	-0.7945	0.362674
ENSMUSG00000020974.7,Pole2,protein_coding	-0.7946	0.512662
ENSMUSG00000134402.1,Gm12250,lncRNA	-0.7946	0.433763
ENSMUSG00000096936.3,Gm3510,lncRNA	-0.7951	0.06595
ENSMUSG00000024011.18,Pi16,protein_coding	-0.7963	0.221941
ENSMUSG00000059631.9,1500035N22Rik,lncRNA	-0.7964	0.30676
ENSMUSG00000040264.11,Gbp2b,protein_coding	-0.7964	0.493723
ENSMUSG00000072770.10,Acrbp,protein_coding	-0.7974	0.052339
ENSMUSG00000096039.9,D830030K20Rik,protein_coding	-0.7977	0.098385
ENSMUSG00000086016.3,1700084C06Rik,lncRNA	-0.7982	0.119764
ENSMUSG00000112712.2,Gm18755,processed_pseudogene	-0.7984	0.117558
ENSMUSG00000126763.1,ENSMUSG00000126763,lncRNA	-0.799	0.663611
ENSMUSG00000035208.17,Slfn8,protein_coding	-0.7992	0.432736
ENSMUSG00000089730.4,1700007P06Rik,lncRNA	-0.7995	0.214657
ENSMUSG00000041046.8,Ramp3,protein_coding	-0.8002	0.279477
ENSMUSG00000101587.3,Gm29036,transcribed_processed_pseudogene	-0.8002	0.08529
ENSMUSG00000037661.15,Gpr160,protein_coding	-0.8005	0.230522
ENSMUSG00000143548.1,ENSMUSG00000143548,lncRNA	-0.8011	0.111112
ENSMUSG00000137365.1,ENSMUSG00000137365,lncRNA	-0.8014	0.577078
ENSMUSG00000019088.15,Dnase1l1,protein_coding	-0.8027	0.173214
ENSMUSG00000015484.4,Fam163a,protein_coding	-0.8034	0.11357
ENSMUSG00000131208.1,ENSMUSG00000131208,lncRNA	-0.8039	0.304311
ENSMUSG00000092713.3,Gm22858,snoRNA	-0.8039	0.302332
ENSMUSG00000039529.10,Atp8b1,protein_coding	-0.8044	0.080306
ENSMUSG00000109719.2,Gm45266,TEC	-0.8052	0.261164
ENSMUSG00000103358.2,Gm37593,TEC	-0.806	0.111927
ENSMUSG00000103034.2,Gm8797,protein_coding	-0.8061	0.3741

ENSMUSG00000079330.11,Lemd1,protein_coding	-0.8065	0.125091
ENSMUSG00000125995.1,ENSMUSG00000125995,lncRNA	-0.8074	0.410828
ENSMUSG00000112918.2,Gm18120,processed_pseudogene	-0.8076	0.16507
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ENSMUSG00000048852.14,Gm12185,protein_coding	-0.808	0.410516
ENSMUSG00000097167.4,Gm16740,lncRNA	-0.8088	0.029347
ENSMUSG00000141774.1,ENSMUSG00000141774,lncRNA	-0.8097	0.106882
ENSMUSG00000021822.4,Plau,protein_coding	-0.8097	0.05851
ENSMUSG00000137706.1,ENSMUSG00000137706,lncRNA	-0.8099	0.068616
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ENSMUSG00000104713.5,Gbp6,protein_coding	-0.8108	0.323051
ENSMUSG00000097779.5,4833407H14Rik,lncRNA	-0.8115	0.691912
ENSMUSG00000135622.1,ENSMUSG00000135622,lncRNA	-0.8119	0.031282
ENSMUSG00000050824.14,Sstr5,protein_coding	-0.8122	0.403326
ENSMUSG00000116867.2,Gm49677,TEC	-0.8139	0.196748
ENSMUSG00000116902.2,Gm49660,TEC	-0.8139	0.168205
ENSMUSG00000120489.2,Gm17518,lncRNA	-0.8142	0.357065
ENSMUSG00000010529.7,Gm266,protein_coding	-0.8146	0.04206
ENSMUSG00000134989.1,ENSMUSG00000134989,lncRNA	-0.815	0.346421
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ENSMUSG00000065642.3,Snora69,snoRNA	-0.8187	0.403279
ENSMUSG00000041064.15,Pif1,protein_coding	-0.8197	0.421918
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ENSMUSG00000021732.15,Fgf10,protein_coding	-0.822	0.058188
ENSMUSG00000035033.16,Tbr1,protein_coding	-0.8222	0.124198
ENSMUSG00000023828.4,Slc22a3,protein_coding	-0.8222	0.219599
ENSMUSG00000101006.2,Gm28299,processed_pseudogene	-0.8236	0.12801
ENSMUSG00000091415.6,Ak9,protein_coding	-0.825	0.190783
ENSMUSG00000112745.2,Gm48025,lncRNA	-0.825	0.267459
ENSMUSG00000078920.4,Ifi47,protein_coding	-0.8267	0.457175
ENSMUSG00000104901.2,Gm42692,TEC	-0.8272	0.111716
ENSMUSG00000114953.3,4930519K11Rik,lncRNA	-0.8277	0.10722
ENSMUSG00000103907.2,Gm37498,TEC	-0.8279	0.02609
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ENSMUSG00000020057.3,Dram1,protein_coding	-0.8308	0.171627
ENSMUSG00000111229.3,Gm39323,lncRNA	-0.8316	0.03503
ENSMUSG00000102861.2,Gm37637,lncRNA	-0.8323	0.100307
ENSMUSG00000002033.15,Cd3g,protein_coding	-0.8331	0.289301
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ENSMUSG00000024227.15,Pdzph1,protein_coding	-0.8348	0.196571
ENSMUSG00000119891.1,Gm25869,snRNA	-0.835	0.252113
ENSMUSG00000112756.2,Gm48014,TEC	-0.8352	0.092425
ENSMUSG00000102971.2,A730062M13Rik,TEC	-0.8361	0.277126
ENSMUSG00000025400.12,Tac2,protein_coding	-0.837	0.396252
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ENSMUSG00000121135.2,Hmga2-ps1,lncRNA	-0.8373	0.427277
ENSMUSG00000105041.3,Gm42676,TEC	-0.8391	0.137723
ENSMUSG00000103114.3,Gm32200,lncRNA	-0.8391	0.144131
ENSMUSG00000120215.2,Gm56511,lncRNA	-0.8403	0.18272
ENSMUSG00000102698.2,Gm37777,TEC	-0.8407	0.081697

ENSMUSG00000111951.2,Gm48755,TEC	-0.8414	0.055813
ENSMUSG00000099907.4,Gm10421,lncRNA	-0.8416	0.168762
ENSMUSG00000141936.1,ENSMUSG00000141936,lncRNA	-0.8422	0.182785
ENSMUSG00000103581.2,Gm37833,TEC	-0.8436	0.165092
ENSMUSG00000108852.2,Gm44911,processed_pseudogene	-0.8436	0.491362
ENSMUSG00000030340.17,Scnn1a,protein_coding	-0.8437	0.115642
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ENSMUSG00000120462.1,Gm56602,lncRNA	-0.8455	0.3069
ENSMUSG00000097276.4,4930525G20Rik,lncRNA	-0.8456	0.383369
ENSMUSG00000039958.18,Etfbkmt,protein_coding	-0.8459	0.113216
ENSMUSG00000094090.3,Gm8494,processed_pseudogene	-0.8464	0.282958
ENSMUSG00000013611.15,Snx31,protein_coding	-0.8469	0.599594
ENSMUSG00000024647.15,Cbln2,protein_coding	-0.8471	0.02217
ENSMUSG00000045871.6,Slitrk6,protein_coding	-0.8471	0.216081
ENSMUSG00000078137.2,Ankrd63,protein_coding	-0.8474	0.348375
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ENSMUSG00000120978.1,Gm56588,lncRNA	-0.8485	0.075169
ENSMUSG00000022584.15,Ly6c2,protein_coding	-0.8502	0.387779
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ENSMUSG00000031786.8,Drc7,protein_coding	-0.8523	0.229744
ENSMUSG00000083909.2,Gm15842,processed_pseudogene	-0.8523	0.089006
ENSMUSG00000078952.12,Lncenc1,lncRNA	-0.8526	0.242545
ENSMUSG00000140531.1,ENSMUSG00000140531,lncRNA	-0.8531	0.708496
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ENSMUSG00000075602.11,Ly6a,protein_coding	-0.8554	0.459961
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ENSMUSG00000030742.8,Lat,protein_coding	-0.8641	0.172295
ENSMUSG00000097814.7,Panct2,lncRNA	-0.8646	0.051687
ENSMUSG00000113528.3,Gm32699,TEC	-0.865	0.252196
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ENSMUSG00000084241.2,Gm13416,processed_pseudogene	-0.8705	0.172956
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ENSMUSG00000080888.4,Gm14387,unprocessed_pseudogene	-0.8752	0.548055
ENSMUSG00000027939.12,Nup210l,protein_coding	-0.8753	0.187067
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ENSMUSG00000047606.5,Ankrd34c,protein_coding	-0.9002	0.014833
ENSMUSG00000130978.1,ENSMUSG00000130978,lncRNA	-0.9003	0.249337
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ENSMUSG00000107976.2,Gm44043,TEC	-0.9011	0.01223
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ENSMUSG00000040189.19,Odad1,protein_coding	-0.9042	0.076361
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ENSMUSG00000121503.2,H2-K2,lncRNA	-0.9072	0.316011
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ENSMUSG00000115389.2,Gm48936,TEC	-0.9148	0.091713
ENSMUSG00000083626.2,Gm4459,processed_pseudogene	-0.9156	0.394423
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ENSMUSG00000020407.14,Upp1,protein_coding	-0.9234	0.191755
ENSMUSG00000039304.12,Tnfsf10,protein_coding	-0.9259	0.124467
ENSMUSG00000109810.2,Gm45592,TEC	-0.9266	0.064384
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ENSMUSG00000015316.12,Slamf1,protein_coding	-0.9351	0.286407
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ENSMUSG00000047759.7,Hs3st3a1,protein_coding	-0.9372	0.056554
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ENSMUSG00000007279.15,Scube2,protein_coding	-0.9391	0.212793
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ENSMUSG00000064179.15,Tnnt1,protein_coding	-0.9429	0.31383
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ENSMUSG00000103234.2,Gm37158,TEC	-0.9455	0.236949
ENSMUSG00000095990.2,Zfp97,protein_coding	-0.9456	0.100616
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ENSMUSG00000121019.2,Gm57163,lncRNA	-0.9472	0.156306
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ENSMUSG00000023084.12,Lrrc71,protein_coding	-0.9484	0.310867
ENSMUSG00000053441.6,Adamts19,protein_coding	-0.9508	0.296426
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ENSMUSG00000031145.16,Prickle3,protein_coding	-0.9519	0.019288
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ENSMUSG00000031849.10,Comp,protein_coding	-0.9522	0.412021
ENSMUSG00000117692.4,Gm50114,lncRNA	-0.953	0.024046
ENSMUSG00000097286.5,Gm26684,lncRNA	-0.956	0.063711
ENSMUSG00000049796.5,Crh,protein_coding	-0.9568	0.204153
ENSMUSG00000085838.2,Chn1os1,lncRNA	-0.9611	0.227177
ENSMUSG00000104310.2,Gm4081,TEC	-0.9619	0.22971
ENSMUSG00000128860.1,ENSMUSG00000128860,lncRNA	-0.964	0.207522
ENSMUSG00000120632.2,Gm57460,lncRNA	-0.967	0.032963
ENSMUSG00000109523.2,Gdf1,protein_coding	-0.9675	0.617349
ENSMUSG00000032066.10,Bco2,protein_coding	-0.9677	0.100472
ENSMUSG00000118353.2,Nsa2-ps1,processed_pseudogene	-0.9696	0.069606
ENSMUSG00000027750.17,Postn,protein_coding	-0.9708	0.096807
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ENSMUSG00000034459.9,Ifit1,protein_coding	-0.9717	0.199968
ENSMUSG00000047963.8,Stbd1,protein_coding	-0.9718	0.126949
ENSMUSG00000129121.1,ENSMUSG00000129121,lncRNA	-0.9726	0.349395
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ENSMUSG00000051212.9,Gpr183,protein_coding	-0.9793	0.347234
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ENSMUSG00000030834.8,Abcc6,protein_coding	-0.9881	0.072963
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ENSMUSG00000092591.4,Gm20429,lncRNA	-0.9921	0.324123
ENSMUSG00000092021.10,Gbp11,protein_coding	-0.9945	0.211966
ENSMUSG00000107622.3,4930512J16Rik,lncRNA	-0.9959	0.502538
ENSMUSG00000099241.3,Gvin-ps2,processed_pseudogene	-0.9969	0.323659
ENSMUSG00000107076.2,Gm43480,lncRNA	-0.9977	0.080966
ENSMUSG00000105565.2,Gm43566,lncRNA	-0.9984	0.179695
ENSMUSG00000044966.5,Fbxo48,protein_coding	-1.001	0.209103
ENSMUSG00000138556.1,ENSMUSG00000138556,lncRNA	-1.0034	0.231601
ENSMUSG00000104433.2,Gm37426,TEC	-1.0064	0.129296
ENSMUSG00000133808.1,ENSMUSG00000133808,lncRNA	-1.0065	0.086575
ENSMUSG00000139555.1,ENSMUSG00000139555,lncRNA	-1.0085	0.314801
ENSMUSG00000035258.16,Abi3bp,protein_coding	-1.0105	0.199043
ENSMUSG00000002257.9,Def6,protein_coding	-1.0116	0.145145
ENSMUSG00000105969.2,Gm42525,transcribed_processed_pseudogene	-1.0121	0.160754
ENSMUSG00000082806.2,Rpl13-ps1,transcribed_processed_pseudogene	-1.0142	0.112289
ENSMUSG00000056148.9,Rdh9,protein_coding	-1.0151	0.5727
ENSMUSG00000140977.1,ENSMUSG00000140977,lncRNA	-1.0162	0.083618
ENSMUSG00000100120.3,Gm53065,lncRNA	-1.0163	0.039823
ENSMUSG00000034792.9,Gna15,protein_coding	-1.0168	0.181464
ENSMUSG00000053216.16,Btn2a2,protein_coding	-1.0176	0.164673
ENSMUSG00000070780.12,Rbm47,protein_coding	-1.0178	0.081231
ENSMUSG00000041323.7,Ak7,protein_coding	-1.0218	0.176545
ENSMUSG00000134356.1,ENSMUSG00000134356,lncRNA	-1.0224	0.049564
ENSMUSG00000105338.2,Gm43802,processed_pseudogene	-1.0224	0.15025
ENSMUSG00000142934.1,ENSMUSG00000142934,lncRNA	-1.0227	0.755727
ENSMUSG00000084362.2,2610024D14Rik,processed_pseudogene	-1.0275	0.01857
ENSMUSG00000094122.2,Rpl31-ps9,processed_pseudogene	-1.0277	0.460147
ENSMUSG00000119030.1,Rnu1b2,snRNA	-1.0281	0.824065
ENSMUSG00000000126.12,Wnt9a,protein_coding	-1.029	0.042286
ENSMUSG00000096056.2,Gm21986,lncRNA	-1.0333	0.038109
ENSMUSG00000046818.8,Ddit4l,protein_coding	-1.0335	0.119495
ENSMUSG00000121393.1,ENSMUSG00000121393,lncRNA	-1.0361	0.223936
ENSMUSG00000142015.1,ENSMUSG00000142015,lncRNA	-1.0363	0.050471
ENSMUSG00000117872.2,A530088E08Rik,lncRNA	-1.0384	0.249743
ENSMUSG00000112763.4,Gm34304,lncRNA	-1.039	0.118387
ENSMUSG00000079363.8,Gbp4,protein_coding	-1.04	0.412912
ENSMUSG00000078921.4,Tgtp2,protein_coding	-1.0405	0.310959
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ENSMUSG00000072845.4,Tmprss11a,protein_coding	-1.0429	0.097638
ENSMUSG00000118915.1,Gm23140,snRNA	-1.0441	0.169488
ENSMUSG00000110303.2,Gm45328,TEC	-1.0446	0.079519
ENSMUSG00000054435.17,Gimap4,protein_coding	-1.0447	0.332532
ENSMUSG00000025804.6,Ccr1,protein_coding	-1.0461	0.455652
ENSMUSG00000032715.10,Trib3,protein_coding	-1.0474	0.623615

ENSMUSG00000000386.19,Mx1,protein_coding	-1.0476	0.190377
ENSMUSG00000027833.17,Shox2,protein_coding	-1.05	0.370494
ENSMUSG00000038618.13,Rassf7,protein_coding	-1.0516	0.256223
ENSMUSG00000042641.20,Rgsl1,protein_coding	-1.0519	0.052056
ENSMUSG00000091418.4,Gm3164,protein_coding	-1.0535	0.024718
ENSMUSG00000125748.1,ENSMUSG00000125748,lncRNA	-1.0539	0.293073
ENSMUSG00000098204.2,Gm26984,lncRNA	-1.054	0.431384
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ENSMUSG00000026051.9,Ecrg4,protein_coding	-1.0565	0.200152
ENSMUSG00000049109.16,Themis,protein_coding	-1.0584	0.202856
ENSMUSG00000116640.2,Gm8670,processed_pseudogene	-1.0597	0.394445
ENSMUSG00000097292.4,A230107N01Rik,lncRNA	-1.0616	0.030229
ENSMUSG00000039110.16,Mycbpap,protein_coding	-1.0616	0.147165
ENSMUSG00000104612.2,Gm42449,TEC	-1.0653	0.034453
ENSMUSG00000087434.3,Rab11fip4os1,lncRNA	-1.069	0.532249
ENSMUSG00000026073.14,Il1r2,protein_coding	-1.073	0.42381
ENSMUSG00000065340.3,Gm25578,snRNA	-1.0732	0.318579
ENSMUSG00000120831.2,Gm32793,lncRNA	-1.074	0.233944
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ENSMUSG00000028378.7,Ptgr1,protein_coding	-1.0791	0.065548
ENSMUSG00000093798.3,Gm8355,processed_pseudogene	-1.0823	0.00353
ENSMUSG00000048108.14,Tmem72,protein_coding	-1.0862	0.074238
ENSMUSG00000028071.13,Sh2d2a,protein_coding	-1.0866	0.202509
ENSMUSG00000134596.1,ENSMUSG00000134596,lncRNA	-1.0895	0.186717
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ENSMUSG00000069302.6,H2ac12,protein_coding	-1.0917	0.428612
ENSMUSG00000083097.4,Gm14494,transcribed_processed_pseudogene	-1.0921	0.254762
ENSMUSG00000068101.12,Cenpm,protein_coding	-1.0927	0.296183
ENSMUSG00000029154.14,Cwh43,protein_coding	-1.0938	0.181258
ENSMUSG00000054659.14,Pm20d2,protein_coding	-1.0948	0.021954
ENSMUSG00000068245.15,Phf11d,protein_coding	-1.095	0.166692
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ENSMUSG00000044317.8,Gpr4,protein_coding	-1.098	0.092789
ENSMUSG00000136983.1,ENSMUSG00000136983,lncRNA	-1.0998	0.052328
ENSMUSG00000114469.4,C730002L08Rik,lncRNA	-1.1022	0.040808
ENSMUSG00000026866.18,Kynu,protein_coding	-1.1028	0.5959
ENSMUSG00000062545.5,Tlr12,protein_coding	-1.1059	0.238909
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ENSMUSG00000089798.11,1700028K03Rik,protein_coding	-1.1066	0.016233
ENSMUSG00000022129.5,Dct,protein_coding	-1.1137	0.315643
ENSMUSG00000040364.9,Sec1,protein_coding	-1.1137	0.431976
ENSMUSG00000021647.8,Cartpt,protein_coding	-1.1152	0.353124
ENSMUSG00000103883.2,Gm37010,TEC	-1.1156	0.284667
ENSMUSG00000124523.1,ENSMUSG00000124523,lncRNA	-1.116	0.048267
ENSMUSG00000097891.2,Gm3650,unprocessed_pseudogene	-1.1174	0.128799
ENSMUSG00000105402.7,Gm3716,lncRNA	-1.1175	0.067129
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ENSMUSG00000079436.4,Kcnj13,protein_coding	-1.1188	0.160474
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ENSMUSG00000078995.11,Zfp456,protein_coding	-1.1244	0.101242
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ENSMUSG00000133389.1,ENSMUSG00000133389,lncRNA	-1.1295	0.195689
ENSMUSG00000122623.1,ENSMUSG00000122623,lncRNA	-1.1302	0.18494
ENSMUSG00000038060.16,Dlec1,protein_coding	-1.1326	0.02645
ENSMUSG00000142972.1,ENSMUSG00000142972,lncRNA	-1.1327	0.664338
ENSMUSG00000029155.18,Spata18,protein_coding	-1.133	0.312563
ENSMUSG00000108393.4,Gm32633,lncRNA	-1.134	0.153039
ENSMUSG00000021919.9,Chat,protein_coding	-1.134	0.232087
ENSMUSG00000120255.2,Gm56948,lncRNA	-1.1346	0.177346
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ENSMUSG00000032246.15,Calml4,protein_coding	-1.1683	0.167355
ENSMUSG00000003476.17,Crhr2,protein_coding	-1.1692	0.105346
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ENSMUSG00000082169.2,Gm12369,processed_pseudogene	-1.1775	0.328183
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ENSMUSG00000051985.13,Igfn1,protein_coding	-1.1814	0.014521
ENSMUSG00000047370.6,Gm7367,transcribed_processed_pseudogene	-1.1853	0.571715
ENSMUSG00000136781.1,ENSMUSG00000136781,lncRNA	-1.1857	0.234118
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ENSMUSG00000024910.6,Ctsw,protein_coding	-1.1898	0.281844
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ENSMUSG00000012520.11,Phox2b,protein_coding	-1.1954	0.643093
ENSMUSG00000029699.14,Ssc4d,protein_coding	-1.1963	0.080644
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ENSMUSG00000043948.3,Or52b2,protein_coding	-1.1979	0.022117
ENSMUSG00000085566.2,A730017L22Rik,lncRNA	-1.1984	0.796813
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ENSMUSG00000032899.15,Styk1,protein_coding	-1.1991	0.043116
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ENSMUSG00000106209.4,Gm42918,lncRNA	-1.2002	0.013322
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ENSMUSG00000124447.1,ENSMUSG00000124447,lncRNA	-1.2114	0.093104

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ENSMUSG00000035042.3,Ccl5,protein_coding	-1.2135	0.26641
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ENSMUSG00000039853.19,Trim14,protein_coding	-1.2673	0.239657
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ENSMUSG00000075224.11,Lrrc55,protein_coding	-1.2776	0.017388
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ENSMUSG00000053783.6,Liat1,protein_coding	-1.2936	0.052725
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ENSMUSG00000102608.3,Gm37267,lncRNA	-1.3042	0.493399
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ENSMUSG00000027636.12,Sla2,protein_coding	-1.3191	0.091028
ENSMUSG00000001827.13,Folr1,protein_coding	-1.3197	0.141613
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ENSMUSG00000052776.11,Oas1a,protein_coding	-1.3202	0.138196
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ENSMUSG00000014158.13,Trpv4,protein_coding	-1.3414	0.11946
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ENSMUSG00000113695.2,9330159N22Rik,TEC	-1.3575	0.044915
ENSMUSG00000096950.4,Gm9530,lncRNA	-1.3599	0.106595

ENSMUSG00000103609.2,Gm37022,TEC	-1.3665	0.320845
ENSMUSG00000124365.1,ENSMUSG00000124365,lncRNA	-1.368	0.028755
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ENSMUSG00000020609.15,Apob,protein_coding	-1.3783	0.519327
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ENSMUSG00000132922.1,ENSMUSG00000132922,lncRNA	-1.3977	0.077047
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ENSMUSG00000123647.1,ENSMUSG00000123647,lncRNA	-1.3996	0.037465
ENSMUSG00000041827.16,Oasl1,protein_coding	-1.4013	0.114204
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ENSMUSG00000039236.19,Isg20,protein_coding	-1.4247	0.249495
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ENSMUSG00000119738.1,Gm26465,snRNA	-1.4396	0.513899
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ENSMUSG00000118894.1,Gm24424,snRNA	-1.4396	0.513899
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ENSMUSG00000023484.15,Prph,protein_coding	-1.4814	0.27711
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ENSMUSG00000114200.3,Gm34721,lncRNA	-1.5053	0.026565
ENSMUSG00000102404.2,5530400K19Rik,TEC	-1.5058	0.542624
ENSMUSG00000022367.8,Has2,protein_coding	-1.5079	0.184015
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ENSMUSG00000031504.7,Rab20,protein_coding	-1.5121	0.084605
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ENSMUSG00000031789.18,Cngb1,protein_coding	-1.5192	0.160579
ENSMUSG00000061167.10,Rpl15-ps3,processed_pseudogene	-1.5243	0.373882
ENSMUSG00000022102.14,Dok2,protein_coding	-1.5248	0.108983
ENSMUSG00000021187.15,Tc2n,protein_coding	-1.5248	0.137957
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ENSMUSG00000129243.1,ENSMUSG00000129243,lncRNA	-1.5573	0.119869
ENSMUSG00000102204.2,Gm36958,TEC	-1.5625	0.288387
ENSMUSG00000110480.2,Gm32842,processed_pseudogene	-1.5672	0.141529
ENSMUSG00000137456.1,ENSMUSG00000137456,lncRNA	-1.5722	0.535354
ENSMUSG00000100166.3,B230110G15Rik,lncRNA	-1.5734	0.323469
ENSMUSG00000102803.2,Gm37477,TEC	-1.5765	0.183013
ENSMUSG00000032094.9,Cd3d,protein_coding	-1.5833	0.178047
ENSMUSG00000047492.6,Inhbe,protein_coding	-1.5861	0.349454
ENSMUSG00000087017.9,4930417H01Rik,lncRNA	-1.5932	0.004754
ENSMUSG00000035383.8,Pmch,protein_coding	-1.5949	0.662193
ENSMUSG00000035692.8,Isg15,protein_coding	-1.5991	0.091714
ENSMUSG00000112667.2,Gm48270,processed_pseudogene	-1.606	0.123918
ENSMUSG00000115778.2,Gm10876,lncRNA	-1.6106	0.663089
ENSMUSG00000100241.2,Slc18a3,protein_coding	-1.6244	0.320867
ENSMUSG00000027398.14,Il1b,protein_coding	-1.6377	0.206664
ENSMUSG00000028736.14,Pax7,protein_coding	-1.6399	0.366465
ENSMUSG00000032661.10,Oas3,protein_coding	-1.6431	0.080586
ENSMUSG00000082691.7,Dynlt1-ps1,processed_pseudogene	-1.6467	0.286355
ENSMUSG00000047828.6,A730018C14Rik,lncRNA	-1.659	0.142839
ENSMUSG00000109096.2,Gm44888,TEC	-1.6645	0.214181
ENSMUSG00000108533.2,Gm44792,TEC	-1.6738	0.025381
ENSMUSG00000036826.15,Igflr1,protein_coding	-1.676	0.212776
ENSMUSG00000006574.16,Slc4a1,protein_coding	-1.6827	0.064368
ENSMUSG00000104516.2,Gm9884,TEC	-1.6858	0.017303
ENSMUSG00000094475.9,Gm11007,protein_coding	-1.6868	0.163563
ENSMUSG00000029368.11,Alb,protein_coding	-1.6872	0.542306
ENSMUSG00000034028.17,Cd226,protein_coding	-1.6996	0.017982
ENSMUSG00000082160.2,Gm11578,transcribed_processed_pseudogene	-1.7005	0.276105
ENSMUSG00000005763.16,Cd247,protein_coding	-1.7116	0.036022
ENSMUSG00000035385.6,Ccl2,protein_coding	-1.715	0.169999
ENSMUSG00000045799.7,Gm9800,transcribed_processed_pseudogene	-1.7235	0.178492
ENSMUSG00000069919.8,Hba-a1,protein_coding	-1.7289	0.063375
ENSMUSG00000032303.9,Chrna3,protein_coding	-1.7346	0.157715
ENSMUSG00000015437.6,Gzmb,protein_coding	-1.7368	0.056506
ENSMUSG00000098387.3,Pet117,protein_coding	-1.7476	0.048948
ENSMUSG00000030345.17,Dyrk4,protein_coding	-1.7577	0.330595
ENSMUSG00000118591.2,Gm52955,protein_coding	-1.7586	0.50279
ENSMUSG00000081441.4,Gm6161,processed_pseudogene	-1.7685	0.169692
ENSMUSG00000100199.3,Gm20324,lncRNA	-1.7907	0.197443
ENSMUSG00000097788.4,Gm16596,lncRNA	-1.7928	0.037393
ENSMUSG00000108634.4,Gm38534,lncRNA	-1.8131	0.021288
ENSMUSG00000118124.2,Gm50139,protein_coding	-1.8331	0.573838
ENSMUSG00000036169.7,Sostdc1,protein_coding	-1.8416	0.026341
ENSMUSG00000036131.13,Frmd7,protein_coding	-1.8472	0.307312
ENSMUSG00000061048.9,Cdh3,protein_coding	-1.8632	0.022943
ENSMUSG00000090121.11,Abhd12b,protein_coding	-1.8673	0.245887
ENSMUSG00000144196.1,ENSMUSG00000144196,lncRNA	-1.8681	0.379066
ENSMUSG00000107535.2,Gm44183,TEC	-1.871	0.11832
ENSMUSG00000019987.10,Arg1,protein_coding	-1.8713	0.168695
ENSMUSG00000112195.2,Gm35405,processed_pseudogene	-1.8777	0.003317

ENSMUSG00000069917.8,Hba-a2,protein_coding	-1.8823	0.079925
ENSMUSG00000024871.12,Doc2g,protein_coding	-1.8919	0.020451
ENSMUSG00000000731.16,Aire,protein_coding	-1.8952	0.541078
ENSMUSG00000031492.14,Chrnb3,protein_coding	-1.8995	0.123615
ENSMUSG00000119505.1,Gm22391,snoRNA	-1.9147	0.154339
ENSMUSG00000118716.1,Gm24137,snoRNA	-1.9147	0.154339
ENSMUSG00000004655.6,Aqp1,protein_coding	-1.9194	0.021976
ENSMUSG00000128422.1,ENSMUSG00000128422,lncRNA	-1.9247	0.07379
ENSMUSG00000073198.7,Bnip3l-ps,transcribed_processed_pseudogene	-1.9276	0.391236
ENSMUSG00000103149.3,AA914427,TEC	-1.9352	0.001336
ENSMUSG00000112968.3,Gm48530,lncRNA	-1.9385	0.026288
ENSMUSG00000068428.8,Gmnc,protein_coding	-1.9506	0.046779
ENSMUSG00000052305.7,Hbb-bs,protein_coding	-1.9564	0.03966
ENSMUSG00000128977.1,ENSMUSG00000128977,lncRNA	-1.9609	0.404053
ENSMUSG00000083287.5,Idi1-ps1,processed_pseudogene	-1.962	0.408176
ENSMUSG00000039672.13,Kcne2,protein_coding	-1.9691	0.043499
ENSMUSG00000035200.8,Chrnb4,protein_coding	-1.9775	0.191168
ENSMUSG00000036151.16,Tm6sf2,protein_coding	-1.9945	0.16241
ENSMUSG00000018486.3,Wnt9b,protein_coding	-2.0017	0.042737
ENSMUSG00000066000.13,Zfp979,protein_coding	-2.0041	0.572261
ENSMUSG00000137599.1,ENSMUSG00000137599,lncRNA	-2.0064	0.199172
ENSMUSG00000041596.14,Nlrp5-ps,transcribed_unprocessed_pseudogene	-2.0288	0.12263
ENSMUSG00000141102.1,ENSMUSG00000141102,lncRNA	-2.045	0.152286
ENSMUSG00000129222.1,ENSMUSG00000129222,lncRNA	-2.0532	0.205035
ENSMUSG00000020908.16,Myh3,protein_coding	-2.055	0.01151
ENSMUSG00000096160.3,Gm3436,processed_pseudogene	-2.0707	0.14406
ENSMUSG00000113311.3,Gm47428,lncRNA	-2.0977	0.035142
ENSMUSG00000092541.8,Gm20537,protein_coding	-2.1387	0.107129
ENSMUSG00000090667.3,Mdfic2,protein_coding	-2.1678	0.002926
ENSMUSG00000127937.1,ENSMUSG00000127937,lncRNA	-2.1692	0.025917
ENSMUSG00000114940.2,Gm21378,processed_pseudogene	-2.193	0.260088
ENSMUSG00000071748.3,Styx-ps,protein_coding	-2.1947	0.176193
ENSMUSG00000101309.2,Gm29397,processed_pseudogene	-2.2075	0.329609
ENSMUSG00000142042.1,ENSMUSG00000142042,lncRNA	-2.2239	0.303714
ENSMUSG00000027994.15,Mcub,protein_coding	-2.2319	0.005959
ENSMUSG00000078864.11,Gm14322,protein_coding	-2.2338	0.041887
ENSMUSG00000115398.4,Gm534,lncRNA	-2.2383	0.022558
ENSMUSG00000069309.3,H2ac22,protein_coding	-2.2438	0.179294
ENSMUSG00000118746.1,Gm24389,snRNA	-2.2532	0.344677
ENSMUSG00000114951.2,Gm20784,processed_pseudogene	-2.254	0.187992
ENSMUSG00000115424.4,D130079A08Rik,lncRNA	-2.2692	0.011617
ENSMUSG00000055093.11,Rps27a-ps3,transcribed_processed_pseudogene	-2.29	0.620729
ENSMUSG00000116594.3,Gm49601,protein_coding	-2.3179	0.377287
ENSMUSG00000046500.9,Tafa4,protein_coding	-2.3422	0.044062
ENSMUSG00000143602.1,ENSMUSG00000143602,lncRNA	-2.4795	0.060077
ENSMUSG00000022868.7,Ahsg,protein_coding	-2.4939	0.163886
ENSMUSG00000030680.7,Pagr1a,protein_coding	-2.563	0.354844
ENSMUSG00000116093.2,Gm3888,processed_pseudogene	-2.568	0.176301
ENSMUSG00000100235.9,Gm28557,protein_coding	-2.5927	0.035825
ENSMUSG00000096574.9,Gm2956,protein_coding	-2.5936	0.106718
ENSMUSG00000026468.15,Lhx4,protein_coding	-2.6056	0.248571
ENSMUSG00000087295.3,Gm3948,lncRNA	-2.6506	0.052879

ENSMUSG00000101878.2,Gm8203,processed_pseudogene	-2.6516	0.043098
ENSMUSG00000042501.13,Cpa6,protein_coding	-2.6526	0.051401
ENSMUSG00000045104.10,Ldhb-ps,processed_pseudogene	-2.6622	0.052852
ENSMUSG00000020838.13,Slc6a4,protein_coding	-2.7042	0.274075
ENSMUSG00000059195.11,Gm12715,transcribed_processed_pseudogene	-2.7217	0.251433
ENSMUSG00000118698.1,Gm25890,snRNA	-2.7332	0.60499
ENSMUSG00000120425.2,Ndufb4b,lncRNA	-2.7822	0.166522
ENSMUSG00000098950.8,Gm28036,protein_coding	-2.7941	0.002426
ENSMUSG00000060989.9,Gm11847,transcribed_processed_pseudogene	-2.8002	0.327774
ENSMUSG00000081953.2,Gm12435,processed_pseudogene	-2.8002	0.415251
ENSMUSG00000082329.2,Gm14287,processed_pseudogene	-2.8153	0.160419
ENSMUSG00000027513.12,Pck1,protein_coding	-2.8913	0.366825
ENSMUSG00000105704.2,Gm43055,lncRNA	-2.8932	0.201566
ENSMUSG00000025270.14,Alas2,protein_coding	-2.9507	0.017227
ENSMUSG00000120384.2,Gm53681,lncRNA	-2.9536	0.243835
ENSMUSG00000093769.5,H3c14,protein_coding	-2.9732	0.216592
ENSMUSG00000081214.4,Rpl35a-ps2,processed_pseudogene	-3.0227	0.180975
ENSMUSG00000083424.4,Rpl35a-ps4,processed_pseudogene	-3.0227	0.180975
ENSMUSG00000094664.2,Rpl35a-ps6,processed_pseudogene	-3.0227	0.180975
ENSMUSG00000067575.6,Rpl35a-ps3,processed_pseudogene	-3.0227	0.180975
ENSMUSG00000112324.2,Gm47939,lncRNA	-3.0687	0.212812
ENSMUSG00000121383.2,Zfp264,lncRNA	-3.1086	0.018917
ENSMUSG00000050534.9,Htr5b,protein_coding	-3.1519	0.004696
ENSMUSG00000118608.3,Gm4988,transcribed_unprocessed_pseudogene	-3.1936	0.108265
ENSMUSG00000087635.4,Gm13414,transcribed_processed_pseudogene	-3.2535	0.14641
ENSMUSG00000073940.4,Hbb-bt,protein_coding	-3.2632	0.012156
ENSMUSG00000037727.7,Avp,protein_coding	-3.3866	0.220047
ENSMUSG00000106797.2,Gm42936,lncRNA	-3.3985	0.045311
ENSMUSG00000117532.3,Gm50076,lncRNA	-3.4864	0.003016
ENSMUSG00000083411.4,Rpl30-ps10,processed_pseudogene	-3.5213	0.275583
ENSMUSG00000080902.2,Ywhaq-ps3,transcribed_processed_pseudogene	-3.9155	0.059128
ENSMUSG00000079224.6,Gm6565,processed_pseudogene	-3.9841	0.410124
ENSMUSG00000091957.6,Rps2-ps10,transcribed_processed_pseudogene	-4.2583	0.571652
ENSMUSG00000084842.4,Pabpc1l2b,protein_coding	-4.3012	0.010924
ENSMUSG00000030735.7,Gm9755,processed_pseudogene	-4.7007	0.126207
ENSMUSG00000078898.11,Zfp968,protein_coding	-5.1997	0.021733
ENSMUSG00000103009.3,Gm56350,TEC	-5.4319	0.049538
ENSMUSG00000100153.4,Ppp1ccb,transcribed_processed_pseudogene	-5.5404	0.080844
ENSMUSG00000045868.13,Gvin1,protein_coding	-9.0055	0.009228

Supplementary Table 5

	logFC	P.Value
ENSMUSG00000096764.2,Gm21985,protein_coding	4.07208242	0.10614029
ENSMUSG00000069014.6,Gm5641,transcribed_processed_pseudogene	3.42686137	0.15263804
ENSMUSG00000060989.9,Gm11847,transcribed_processed_pseudogene	3.41603986	0.02108041
ENSMUSG00000029368.11,Alb,protein_coding	3.37228626	0.02596865
ENSMUSG00000085566.2,A730017L22Rik,lncRNA	3.35113131	0.13336729
ENSMUSG00000129312.1,ENSMUSG00000129312,lncRNA	3.26532728	0.00902116
ENSMUSG00000060096.6,Amd-ps3,processed_pseudogene	3.01286604	0.0102737
ENSMUSG00000033852.17,Gm28042,protein_coding	3.01267917	0.00410792
ENSMUSG00000102422.2,Iqschfp,protein_coding	2.92489356	0.06301113
ENSMUSG00000062846.8,Gm14176,processed_pseudogene	2.79681426	0.08320298
ENSMUSG00000081604.6,Gm11518,processed_pseudogene	2.71442049	0.02612917
ENSMUSG00000116207.2,Nnt,protein_coding	2.68613746	0.16294058
ENSMUSG00000045868.13,Gvin1,protein_coding	2.65614941	0.25817696
ENSMUSG00000089803.4,Gm10171,processed_pseudogene	2.56784028	0.06697895
ENSMUSG00000079450.13,Cldn34c1,protein_coding	2.52191671	0.28431161
ENSMUSG00000045886.8,Pam16l,protein_coding	2.48186731	0.1246429
ENSMUSG00000121445.1,ENSMUSG00000121445,lncRNA	2.44922585	0.01656404
ENSMUSG00000031273.17,Col4a6,protein_coding	2.42439673	0.03375374
ENSMUSG00000094497.2,Gm8210,processed_pseudogene	2.38438453	0.07048765
ENSMUSG00000109523.2,Gdf1,protein_coding	2.345957	0.070405
ENSMUSG00000128422.1,ENSMUSG00000128422,lncRNA	2.34492213	0.0010975
ENSMUSG00000055368.15,Slc6a2,protein_coding	2.31832969	0.14899788
ENSMUSG00000106797.2,Gm42936,lncRNA	2.27303508	0.22479447
ENSMUSG00000091058.3,Gm17538,processed_pseudogene	2.2709443	0.01517545
ENSMUSG00000114470.2,Gm49395,protein_coding	2.26521234	0.01180732
ENSMUSG00000114951.2,Gm20784,processed_pseudogene	2.24812964	0.16131869
ENSMUSG00000071745.2,Pwwp4b,protein_coding	2.14575907	0.01185045
ENSMUSG00000040380.16,Cbln3,protein_coding	2.10143166	0.07311962
ENSMUSG00000120773.1,Gm32113,lncRNA	2.06967169	0.00712488
ENSMUSG00000080902.2,Ywhaq-ps3,transcribed_processed_pseudogene	2.06154661	0.09889648
ENSMUSG00000094103.3,Fam177a2,protein_coding	2.04626302	0.54425373
ENSMUSG00000000889.9,Dbh,protein_coding	1.9376401	0.13232931
ENSMUSG00000055333.15,Fat2,protein_coding	1.92449924	0.06777797
ENSMUSG00000079396.5,Gm3411,protein_coding	1.91567606	0.09252929
ENSMUSG00000086583.6,Gm15500,transcribed_processed_pseudogene	1.91074966	0.35426814
ENSMUSG00000084383.2,Gm13370,transcribed_processed_pseudogene	1.90311983	0.3830887
ENSMUSG00000068397.5,Gm10240,processed_pseudogene	1.90311983	0.3830887
ENSMUSG00000020428.14,Gabra6,protein_coding	1.90243591	0.06380978
ENSMUSG00000043897.14,Vmn2r2,protein_coding	1.89763703	0.01354191
ENSMUSG00000004630.19,Pcp2,protein_coding	1.88936849	0.01650808
ENSMUSG00000111662.4,Gm7435,transcribed_processed_pseudogene	1.86222511	0.30408501
ENSMUSG00000049233.8,Apoo-ps,processed_pseudogene	1.85030172	0.05017428
ENSMUSG00000120425.2,Ndufb4b,lncRNA	1.8480433	0.19671323
ENSMUSG00000054065.13,Pkp3,protein_coding	1.83869964	0.00324535
ENSMUSG00000121418.1,ENSMUSG00000121418,lncRNA	1.81663636	0.03473113
ENSMUSG00000072476.7,Rnf26rt,protein_coding	1.79939472	0.19708928
ENSMUSG00000143370.1,ENSMUSG00000143370,lncRNA	1.79818624	0.01802985
ENSMUSG00000137576.1,ENSMUSG00000137576,lncRNA	1.78477117	0.01129022
ENSMUSG00000022868.7,Ahsg,protein_coding	1.78205227	0.11042244
ENSMUSG00000117246.2,Gm17891,processed_pseudogene	1.73152734	0.00274648
ENSMUSG00000032021.15,Crtam,protein_coding	1.72448309	0.03008396

ENSMUSG00000091519.2,Skor2,protein_coding	1.6865092	0.01422946
ENSMUSG00000109337.2,Gm45047,TEC	1.67997059	0.00084512
ENSMUSG00000122526.1,ENSMUSG00000122526,lncRNA	1.67992065	0.34899403
ENSMUSG00000128104.1,ENSMUSG00000128104,lncRNA	1.65959004	0.0004481
ENSMUSG00000020609.15,Apob,protein_coding	1.65170089	0.07576146
ENSMUSG00000123149.1,ENSMUSG00000123149,lncRNA	1.64069129	0.0363144
ENSMUSG00000116926.2,Gm18234,processed_pseudogene	1.589159	0.23839172
ENSMUSG00000004864.14,Mapk13,protein_coding	1.58828372	0.04000667
ENSMUSG00000057886.6,Cbx3-ps6,transcribed_processed_pseudogene	1.57884578	0.34391533
ENSMUSG00000035200.8,Chrnb4,protein_coding	1.54896609	0.0832524
ENSMUSG00000083411.4,Rpl30-ps10,processed_pseudogene	1.53973906	0.29638699
ENSMUSG00000027855.14,Sycp1,protein_coding	1.53007649	0.0564479
ENSMUSG00000028946.8,Hes3,protein_coding	1.51601931	0.01688071
ENSMUSG00000116812.2,Gm2792,transcribed_unprocessed_pseudogene	1.50743646	0.29010186
ENSMUSG00000069083.5,Gm10259,processed_pseudogene	1.48851428	0.19862354
ENSMUSG00000050761.5,Gp1bb,protein_coding	1.47378147	0.0042239
ENSMUSG00000106988.2,Tsg101-ps,processed_pseudogene	1.47013526	0.01955406
ENSMUSG00000020096.22,Tbata,protein_coding	1.4635953	0.03984737
ENSMUSG00000090098.9,Alms1-ps2,transcribed_unprocessed_pseudogene	1.45697761	0.01016779
ENSMUSG00000121575.1,ENSMUSG00000121575,protein_coding	1.45520192	0.16692803
ENSMUSG00000060530.5,A930017M01Rik,transcribed_processed_pseudoge	1.45378582	0.2208334
ENSMUSG00000105640.3,Gm42912,lncRNA	1.45288115	0.08646709
ENSMUSG00000004231.17,Pax2,protein_coding	1.44584103	0.01346826
ENSMUSG00000101878.2,Gm8203,processed_pseudogene	1.44110042	0.07868785
ENSMUSG00000052854.16,Nrk,protein_coding	1.43260765	0.03392639
ENSMUSG00000028573.19,Fggy,protein_coding	1.41842097	0.02502199
ENSMUSG00000048373.9,Fgfbp1,protein_coding	1.41689876	0.0056945
ENSMUSG00000002100.16,Mybpc3,protein_coding	1.40446451	0.04489236
ENSMUSG00000117694.2,Snhg4,protein_coding	1.4009018	0.03499858
ENSMUSG00000002930.7,Ppp1r17,protein_coding	1.3846776	0.01618857
ENSMUSG00000025216.10,Lbx1,protein_coding	1.37321811	0.05826394
ENSMUSG00000089815.9,Gm5083,lncRNA	1.36947654	0.01710503
ENSMUSG00000103034.2,Gm8797,protein_coding	1.36503834	0.00973484
ENSMUSG00000022245.16,Skor1,protein_coding	1.36193813	0.00224335
ENSMUSG00000118997.1,Gm23767,snoRNA	1.35241976	0.26454824
ENSMUSG00000042096.16,Dao,protein_coding	1.34669244	0.0239396
ENSMUSG00000070803.7,Cited4,protein_coding	1.34565558	5.8561E-06
ENSMUSG00000039095.9,En2,protein_coding	1.34182565	0.00590338
ENSMUSG00000118341.2,Gm50252,lncRNA	1.34077859	0.29843334
ENSMUSG00000079941.3,Cox5b-ps,protein_coding	1.33476756	0.05795155
ENSMUSG00000107795.2,Gm44105,lncRNA	1.31103339	0.00039182
ENSMUSG00002076545.1,Gm55044,misc_RNA	1.30544224	0.09797537
ENSMUSG00000034384.12,Barhl2,protein_coding	1.30512825	0.01843937
ENSMUSG00000084760.2,Gm15472,lncRNA	1.30410955	0.06931151
ENSMUSG00000050700.12,Emilin3,protein_coding	1.30282472	0.05768509
ENSMUSG00000092130.4,D030025P21Rik,lncRNA	1.30117089	0.0567801
ENSMUSG00000134617.1,ENSMUSG00000134617,lncRNA	1.29517964	0.02992346
ENSMUSG00000078721.2,Spata31f1a,protein_coding	1.28895379	0.19064034
ENSMUSG00000116652.3,Fam246a,protein_coding	1.28281247	0.00046871
ENSMUSG00000083679.2,Gm12892,processed_pseudogene	1.28176273	0.03883517
ENSMUSG00000095195.9,Gm3005,protein_coding	1.27439552	0.09838929
ENSMUSG00000102424.3,Paupar,lncRNA	1.26899988	0.01400748

ENSMUSG00000082160.2,Gm11578,transcribed_processed_pseudogene	1.26661491	0.29483345
ENSMUSG00000044681.20,Cnpy1,protein_coding	1.26428825	0.07990725
ENSMUSG00000073940.4,Hbb-bt,protein_coding	1.26061815	0.0290437
ENSMUSG00000009876.14,Cox4i2,protein_coding	1.25993251	0.00909467
ENSMUSG00000123279.1,ENSMUSG00000123279,lncRNA	1.25744667	0.03115267
ENSMUSG00000041261.10,Car8,protein_coding	1.24823232	0.02673211
ENSMUSG00000110239.4,Gm45620,lncRNA	1.24665932	0.00034845
ENSMUSG00000074643.13,Cpne1,protein_coding	1.20756461	0.00023138
ENSMUSG00000124148.1,ENSMUSG00000124148,lncRNA	1.20755863	0.00814154
ENSMUSG00000043144.7,Aqp6,protein_coding	1.20182698	0.02436146
ENSMUSG00000126878.1,ENSMUSG00000126878,lncRNA	1.19988596	0.00803144
ENSMUSG00000120630.2,Gm56815,lncRNA	1.19787439	0.36284838
ENSMUSG00000131495.1,ENSMUSG00000131495,lncRNA	1.19548265	0.0037942
ENSMUSG00000116568.2,Gm49790,TEC	1.19503916	0.10357244
ENSMUSG00000031654.17,Cbln1,protein_coding	1.18927351	0.01112734
ENSMUSG00000113778.3,Gm40847,lncRNA	1.18320832	0.21392361
ENSMUSG00000054901.8,Arhgef33,protein_coding	1.17467004	0.02481946
ENSMUSG00000030353.16,Tead4,protein_coding	1.17339531	0.03862256
ENSMUSG00000136515.1,ENSMUSG00000136515,lncRNA	1.1719539	0.01146861
ENSMUSG00000030680.7,Pagr1a,protein_coding	1.17188094	0.51130037
ENSMUSG00000079391.11,Gm2974,protein_coding	1.17101917	0.29067974
ENSMUSG00000134859.1,ENSMUSG00000134859,lncRNA	1.17090146	0.01157597
ENSMUSG00000050138.9,Kcnk12,protein_coding	1.15427505	2.3866E-05
ENSMUSG00000028369.16,Svep1,protein_coding	1.15222736	0.03182501
ENSMUSG00000137975.1,ENSMUSG00000137975,lncRNA	1.15071189	0.0399288
ENSMUSG00000025727.9,Prr35,protein_coding	1.14431235	0.02013405
ENSMUSG00000034701.10,Neurod1,protein_coding	1.13890859	0.03005169
ENSMUSG00000014198.16,Zfp385c,protein_coding	1.13777112	0.01621693
ENSMUSG00000042988.11,Notum,protein_coding	1.13764434	0.00714805
ENSMUSG00000083626.2,Gm4459,processed_pseudogene	1.13576945	0.20731778
ENSMUSG00000116632.4,Magef1,transcribed_processed_pseudogene	1.13200263	0.22376398
ENSMUSG00000085653.10,Gm15179,lncRNA	1.12813635	0.04135006
ENSMUSG00000106218.2,Gm43713,lncRNA	1.1229503	0.34872881
ENSMUSG00000132024.1,ENSMUSG00000132024,lncRNA	1.12059406	0.50893413
ENSMUSG00000045104.10,Ldhb-ps,processed_pseudogene	1.1204037	0.10780126
ENSMUSG00000001494.7,Sost,protein_coding	1.11911479	0.01989851
ENSMUSG00000058396.8,Gpr182,protein_coding	1.11761223	0.01974212
ENSMUSG00000031070.16,Mrgprf,protein_coding	1.1160137	0.02950103
ENSMUSG00000085837.11,Kcnmb4os2,lncRNA	1.11501083	0.00465566
ENSMUSG00000093846.3,Gm4425,lncRNA	1.11427236	0.04806813
ENSMUSG00000129672.1,ENSMUSG00000129672,lncRNA	1.11198034	0.00043598
ENSMUSG00000021464.16,Ror2,protein_coding	1.10753634	0.00166208
ENSMUSG00000104971.2,9430087B13Rik,TEC	1.10610634	0.0209644
ENSMUSG00000087040.3,Gm14033,lncRNA	1.10329345	0.05558058
ENSMUSG00000006204.8,Cdcp3,protein_coding	1.10211284	0.17159841
ENSMUSG00000113771.3,Gm36529,lncRNA	1.0971256	0.00664702
ENSMUSG00000084828.3,Gm12367,lncRNA	1.09668577	0.00746586
ENSMUSG00000069919.8,Hba-a1,protein_coding	1.09367292	0.0202296
ENSMUSG00000018566.15,Slc2a4,protein_coding	1.09310729	0.01573611
ENSMUSG00000106056.3,4930500L23Rik,lncRNA	1.09123231	0.03744833
ENSMUSG00000036826.15,Igflr1,protein_coding	1.09054917	0.12477987
ENSMUSG00000037827.6,Gm5884,processed_pseudogene	1.08934595	0.24550452

ENSMUSG00000117351.3,Gm31615,lncRNA	1.08704089	0.16484365
ENSMUSG00000086708.2,Gm15577,lncRNA	1.08603043	0.04627726
ENSMUSG00000074479.4,Rtraf-ps,transcribed_processed_pseudogene	1.07648632	0.25335904
ENSMUSG00000031962.7,Cdh15,protein_coding	1.0684692	0.02580228
ENSMUSG00000121785.1,Ubb-ps,lncRNA	1.06537395	0.11514273
ENSMUSG00000118608.3,Gm4988,transcribed_unprocessed_pseudogene	1.05475871	0.48176509
ENSMUSG00000044165.13,Bcl2l15,protein_coding	1.04888573	0.02943612
ENSMUSG00000003573.16,Homer3,protein_coding	1.04402009	0.00610786
ENSMUSG00000044244.19,Il20rb,protein_coding	1.04121414	0.05914031
ENSMUSG00000047643.6,Gm5454,processed_pseudogene	1.03472077	0.02931577
ENSMUSG00000044177.5,Wfikkn2,protein_coding	1.03470293	0.02285079
ENSMUSG00000097976.2,Gm26918,lncRNA	1.03142013	0.09026692
ENSMUSG00000111389.3,Gm39465,lncRNA	1.0292903	0.1277743
ENSMUSG00000100241.2,Slc18a3,protein_coding	1.02838242	0.32155798
ENSMUSG00000125801.1,ENSMUSG00000125801,lncRNA	1.02562362	0.0794201
ENSMUSG00000045246.13,Kcng4,protein_coding	1.01801098	0.00056341
ENSMUSG00000092365.4,BC023719,lncRNA	1.01777029	0.54245102
ENSMUSG00000060969.10,Irx1,protein_coding	1.01634824	0.00854806
ENSMUSG00000097610.5,A930012L18Rik,lncRNA	1.01566129	0.00157523
ENSMUSG00000005716.17,Pvalb,protein_coding	1.014899	0.00049767
ENSMUSG00000085830.2,Grin1os,lncRNA	1.0146016	0.00342286
ENSMUSG00000021943.8,Gdf10,protein_coding	1.01445273	0.01801584
ENSMUSG00000091655.4,Gm8741,processed_pseudogene	1.01027178	0.47899817
ENSMUSG00000143602.1,ENSMUSG00000143602,lncRNA	1.00653187	0.04799594
ENSMUSG00000098295.3,Gm19872,lncRNA	1.00546722	0.06566176
ENSMUSG00000068479.6,Mfap1a,protein_coding	1.00274032	0.02120352
ENSMUSG00000021903.12,Galnt15,protein_coding	0.99148646	0.01446091
ENSMUSG00000092746.5,Rn7s6,misc_RNA	0.98392442	0.0170612
ENSMUSG00000058665.9,En1,protein_coding	0.98186806	0.30444279
ENSMUSG00000022053.14,Ebf2,protein_coding	0.98078516	0.00470526
ENSMUSG00000100707.2,Gm28523,lncRNA	0.97765936	0.00787331
ENSMUSG00000110125.3,Gm33148,lncRNA	0.97593059	0.01895537
ENSMUSG00000043251.7,Exoc3l,protein_coding	0.97592207	0.02616172
ENSMUSG00000047485.7,Klhl34,protein_coding	0.9753014	0.00300827
ENSMUSG00000029546.13,Uncx,protein_coding	0.97355126	0.01551263
ENSMUSG00000113669.4,Gm36723,lncRNA	0.97331862	0.05792726
ENSMUSG00000093402.2,Gm18588,processed_pseudogene	0.9730066	0.11471264
ENSMUSG00000028150.15,Rorc,protein_coding	0.97104433	0.02548496
ENSMUSG00000002020.16,Ltbp2,protein_coding	0.95941652	0.00895916
ENSMUSG00000074903.6,Gm2058,processed_pseudogene	0.95867386	0.12873139
ENSMUSG00000036123.9,Slc9a3,protein_coding	0.9579487	0.00548036
ENSMUSG00000035305.6,Ror1,protein_coding	0.95763277	0.00325582
ENSMUSG00000050503.10,Fbxl22,protein_coding	0.95525566	0.02393968
ENSMUSG00000070858.13,Nicol1,protein_coding	0.95190093	0.00637107
ENSMUSG00000129320.1,ENSMUSG00000129320,lncRNA	0.95170617	0.17266881
ENSMUSG00000045777.15,Ifitm10,protein_coding	0.94935174	6.7627E-05
ENSMUSG00000097357.5,Gm16793,lncRNA	0.94761201	0.00143805
ENSMUSG00000085555.12,2610035F20Rik,lncRNA	0.94471748	0.01623677
ENSMUSG00000087132.11,A930001C03Rik,lncRNA	0.94040162	0.00511201
ENSMUSG00000114210.5,A330084C13Rik,lncRNA	0.93654728	0.00050368
ENSMUSG00000084071.2,Gm13378,processed_pseudogene	0.92726899	0.22207454
ENSMUSG00000059325.15,Hopx,protein_coding	0.92709959	0.00113395

ENSMUSG00000135486.1,ENSMUSG00000135486,lncRNA	0.9265446	0.01144988
ENSMUSG00000032179.8,Bmp5,protein_coding	0.92489048	0.00515322
ENSMUSG00000120695.2,BB187676,lncRNA	0.92437504	0.02733094
ENSMUSG00000127874.1,ENSMUSG00000127874,lncRNA	0.92409359	0.03584888
ENSMUSG00000025784.6,Clec3b,protein_coding	0.92403514	0.02509591
ENSMUSG00000123323.1,ENSMUSG00000123323,lncRNA	0.92025046	0.00162278
ENSMUSG00000010825.18,Grid2ip,protein_coding	0.91768222	0.00083451
ENSMUSG00000032717.15,Mdfi,protein_coding	0.91698421	0.03331884
ENSMUSG00000108778.4,Gm20083,lncRNA	0.91681472	0.02431619
ENSMUSG00000057246.17,Tsbp1,protein_coding	0.91491501	0.01620779
ENSMUSG00000041476.13,Smpx,protein_coding	0.91280521	0.08487516
ENSMUSG00000132309.1,ENSMUSG00000132309,lncRNA	0.91158438	0.32880533
ENSMUSG00000052305.7,Hbb-bs,protein_coding	0.9112274	0.07353228
ENSMUSG00000075465.3,Gm10837,lncRNA	0.90921197	0.15326239
ENSMUSG00000126069.1,ENSMUSG00000126069,lncRNA	0.90657771	0.04035827
ENSMUSG00000011034.7,Slc5a1,protein_coding	0.90491459	0.07053275
ENSMUSG00000061524.9,Zic2,protein_coding	0.90488363	0.01170594
ENSMUSG00000111686.2,Rab7-ps1,processed_pseudogene	0.90011287	0.04446118
ENSMUSG00000004633.18,Chn2,protein_coding	0.89964926	0.01228562
ENSMUSG00000032313.12,Tmem266,protein_coding	0.89957439	0.00366576
ENSMUSG00000018698.16,Lhx1,protein_coding	0.89824089	0.00737489
ENSMUSG00000107145.2,Gm43442,processed_pseudogene	0.89759404	0.30546945
ENSMUSG00000027208.15,Fgf7,protein_coding	0.89718506	0.01453497
ENSMUSG00000056947.6,Mab21l1,protein_coding	0.89634251	0.00899307
ENSMUSG00000084761.3,Gm12406,lncRNA	0.89519664	0.00961617
ENSMUSG00000142419.1,ENSMUSG00000142419,lncRNA	0.89483467	0.00500073
ENSMUSG00000131748.1,ENSMUSG00000131748,lncRNA	0.89436363	0.03600313
ENSMUSG00000026418.17,Tnni1,protein_coding	0.89417773	0.00330223
ENSMUSG00000006764.9,Tph2,protein_coding	0.89376477	0.59038929
ENSMUSG00000105673.3,1700081B01Rik,lncRNA	0.89244916	0.13578146
ENSMUSG00000031734.14,Irx3,protein_coding	0.8924272	0.05555949
ENSMUSG00000084842.4,Pabpc1l2b,protein_coding	0.88929591	0.20277429
ENSMUSG00000102945.2,Gm37884,TEC	0.88871195	0.01146963
ENSMUSG00000080058.3,Gm11175,lncRNA	0.88713887	0.00581194
ENSMUSG00000132639.1,ENSMUSG00000132639,lncRNA	0.88690298	0.01429939
ENSMUSG00000034161.9,Scx,protein_coding	0.88482661	0.01693937
ENSMUSG00000057615.6,Ldoc1,protein_coding	0.88411496	0.02387931
ENSMUSG00000050534.9,Htr5b,protein_coding	0.88395216	0.372578
ENSMUSG00000001435.16,Col18a1,protein_coding	0.88379476	0.00504654
ENSMUSG00000062038.6,Gm10108,transcribed_processed_pseudogene	0.8827937	0.53040376
ENSMUSG00000038781.8,Stap2,protein_coding	0.88244323	0.02236218
ENSMUSG00000030089.16,Slc41a3,protein_coding	0.87776004	0.00045339
ENSMUSG00000099927.2,Gm8226,processed_pseudogene	0.87662629	0.29019127
ENSMUSG00000128154.1,ENSMUSG00000128154,lncRNA	0.87473086	0.04571844
ENSMUSG00000118477.2,Gm18126,processed_pseudogene	0.87395461	0.07840857
ENSMUSG00000051043.17,Gprc5c,protein_coding	0.87380531	0.02091923
ENSMUSG00000025739.14,Gng13,protein_coding	0.87165393	0.00033727
ENSMUSG00000004872.16,Pax3,protein_coding	0.87098951	0.02901946
ENSMUSG00000027861.14,Casq2,protein_coding	0.86697254	0.00225754
ENSMUSG00000105279.3,Gm6260,lncRNA	0.86231604	0.035452
ENSMUSG00000027843.14,Ptpn22,protein_coding	0.86229226	0.06401481
ENSMUSG00000042671.13,Rgs8,protein_coding	0.86196988	0.0007007

ENSMUSG00000118399.2,Gm18917,processed_pseudogene	0.86161918	0.02012141
ENSMUSG00000056738.14,A730036I17Rik,lncRNA	0.86057084	0.03999939
ENSMUSG00000040706.5,Agmat,protein_coding	0.85877904	0.20876394
ENSMUSG00000028707.16,Dmbx1,protein_coding	0.85791441	0.1248804
ENSMUSG00000119505.1,Gm22391,snoRNA	0.85785334	0.32545376
ENSMUSG00000118716.1,Gm24137,snoRNA	0.85785334	0.32545376
ENSMUSG00000025927.14,Tfap2b,protein_coding	0.85512292	0.01969486
ENSMUSG00000084865.3,Gm15723,lncRNA	0.8545076	0.00561343
ENSMUSG00000132591.1,ENSMUSG00000132591,lncRNA	0.85234007	0.04927812
ENSMUSG00000108033.2,Gm44284,lncRNA	0.85210277	0.03213634
ENSMUSG00000034486.9,Gbx2,protein_coding	0.85200056	0.23436058
ENSMUSG00000073542.4,Cep76,protein_coding	0.85041159	0.00581553
ENSMUSG00000115424.4,D130079A08Rik,lncRNA	0.84952466	0.58633442
ENSMUSG00000132697.1,ENSMUSG00000132697,lncRNA	0.84939692	0.09664956
ENSMUSG00000114309.3,Gm48295,lncRNA	0.84495447	0.04575857
ENSMUSG00000089665.3,Fcor,protein_coding	0.83954497	0.0185526
ENSMUSG00000049414.8,Gm5417,transcribed_processed_pseudogene	0.83897987	0.07616179
ENSMUSG00002075524.1,Gm55094,miRNA	0.83749666	0.45047772
ENSMUSG00000113679.3,Gm10432,lncRNA	0.83650382	0.00133192
ENSMUSG00000087211.10,Lhx1os,lncRNA	0.83644192	0.021293
ENSMUSG00000124674.1,ENSMUSG00000124674,lncRNA	0.83307045	0.03580162
ENSMUSG00000087035.2,Tmem74bos,protein_coding	0.83288966	0.04772202
ENSMUSG00000070425.14,Xntrpc,protein_coding	0.82964591	0.16043299
ENSMUSG00000126324.1,ENSMUSG00000126324,lncRNA	0.82885285	0.07381419
ENSMUSG00000077549.3,Snord71,snoRNA	0.82854759	0.02805408
ENSMUSG00000120923.2,Gm56736,lncRNA	0.82518344	0.0552194
ENSMUSG00000143972.1,ENSMUSG00000143972,lncRNA	0.82502439	0.04622058
ENSMUSG00000074673.16,Ttll9,protein_coding	0.82237541	0.01833022
ENSMUSG00000029595.10,Lhx5,protein_coding	0.82003527	0.00324804
ENSMUSG00000074482.6,Gm16589,transcribed_processed_pseudogene	0.81839961	0.29993481
ENSMUSG00000085315.10,A430018G15Rik,lncRNA	0.81799602	0.00578213
ENSMUSG00000025270.14,Alas2,protein_coding	0.81777624	0.08419274
ENSMUSG00000114888.2,Gm49616,TEC	0.81525103	0.12707224
ENSMUSG00000020734.14,Grin2c,protein_coding	0.81495408	0.0080329
ENSMUSG00000116075.3,Gm49476,lncRNA	0.81292948	0.01719645
ENSMUSG00000063239.18,Grm4,protein_coding	0.81228511	0.0125493
ENSMUSG00000040666.21,Sh3bgr,protein_coding	0.81169326	0.0168215
ENSMUSG00000122223.1,ENSMUSG00000122223,lncRNA	0.81098644	0.07384797
ENSMUSG00000032194.10,Kank2,protein_coding	0.80974003	0.00376348
ENSMUSG00000041660.9,Bbox1,protein_coding	0.8096472	0.01138392
ENSMUSG00000069917.8,Hba-a2,protein_coding	0.8091351	0.13829827
ENSMUSG00000099632.4,2900093K20Rik,lncRNA	0.80862275	0.07879224
ENSMUSG00000024420.10,Zfp521,protein_coding	0.80802305	0.00629736
ENSMUSG00000069378.15,Prdm6,protein_coding	0.80788814	0.1534311
ENSMUSG00000049265.9,Kcnk3,protein_coding	0.80540225	0.00031972
ENSMUSG00000085620.4,G630018N14Rik,lncRNA	0.80518893	0.08059004
ENSMUSG00000097788.4,Gm16596,lncRNA	0.8047097	0.06983637
ENSMUSG00000051811.15,Cox6b2,protein_coding	0.80286206	0.06914334
ENSMUSG00000020940.15,Efcab15,protein_coding	0.80276676	0.09020856
ENSMUSG00000079550.10,Mpp4,protein_coding	0.8008671	0.01748608
ENSMUSG00000133043.1,ENSMUSG00000133043,lncRNA	0.80046253	0.05443464
ENSMUSG00000086385.2,Gm12701,lncRNA	0.79986587	0.03532159

ENSMUSG00000042678.18,Myo15a,protein_coding	0.79985266	0.08399952
ENSMUSG00000035486.15,Plk5,protein_coding	0.79827795	0.00118123
ENSMUSG00000136862.1,ENSMUSG00000136862,lncRNA	0.79824798	0.01937504
ENSMUSG00000019312.11,Grb7,protein_coding	0.79767872	0.00446332
ENSMUSG00000136668.1,ENSMUSG00000136668,lncRNA	0.79568709	0.03233933
ENSMUSG00000034584.4,Exph5,protein_coding	0.79517734	0.02302265
ENSMUSG00000105843.3,Gm19439,TEC	0.7914274	0.73951537
ENSMUSG00000032368.15,Zic1,protein_coding	0.79005105	0.03612516
ENSMUSG00002074930.1,Gm55678,misc_RNA	0.78839261	0.55104337
ENSMUSG00000064344.1,mt-Tm,Mt_tRNA	0.78795634	0.00391184
ENSMUSG00000120121.2,Gm56779,lncRNA	0.78642245	0.00899055
ENSMUSG00000046834.8,Krt1,protein_coding	0.78611416	0.05051163
ENSMUSG00000087017.9,4930417H01Rik,lncRNA	0.78545978	0.02030858
ENSMUSG00000026679.4,Enkur,protein_coding	0.7849654	0.20275277
ENSMUSG00000027376.16,Prom2,protein_coding	0.78472318	0.15003518
ENSMUSG00000108421.2,Gm44718,lncRNA	0.78199961	0.1497497
ENSMUSG00000030352.16,Tspan9,protein_coding	0.78012317	0.00123474
ENSMUSG00000142543.1,ENSMUSG00000142543,lncRNA	0.77842416	0.01056116
ENSMUSG00000046456.15,Tmem150b,protein_coding	0.77658518	0.01592165
ENSMUSG00000079224.6,Gm6565,processed_pseudogene	0.77609208	0.71876356
ENSMUSG00000025991.9,Cps1,protein_coding	0.77549507	0.36386963
ENSMUSG00000102709.2,Gm38308,TEC	0.77474603	0.03634006
ENSMUSG00000032739.17,Pram1,protein_coding	0.77263424	0.53144706
ENSMUSG00000044254.7,Pcsk9,protein_coding	0.77250235	0.02153805
ENSMUSG00000028661.9,Epha8,protein_coding	0.77138559	0.00257103
ENSMUSG00000091680.4,Klhdc7b,protein_coding	0.77121928	0.00912894
ENSMUSG00000039662.17,Icmt,protein_coding	0.77058422	9.6986E-05
ENSMUSG00000115637.2,Gm30970,processed_pseudogene	0.7699243	0.08438908
ENSMUSG00000105986.2,Gm43065,lncRNA	0.76943109	0.07895997
ENSMUSG00000114089.3,Gm47116,lncRNA	0.76896059	0.19194784
ENSMUSG00000020905.12,Usp43,protein_coding	0.7683457	0.02576033
ENSMUSG00000128324.1,ENSMUSG00000128324,lncRNA	0.76810684	0.01106105
ENSMUSG00000010080.16,Epn3,protein_coding	0.76700127	0.00060964
ENSMUSG00000044674.7,Fzd1,protein_coding	0.766364	0.00014568
ENSMUSG00000121653.2,ENSMUSG00000121653,lncRNA	0.76532753	0.00438801
ENSMUSG00000123862.1,ENSMUSG00000123862,lncRNA	0.76488174	0.0818718
ENSMUSG00000066438.7,Plekhd1,protein_coding	0.76487146	0.00302557
ENSMUSG00000127235.1,ENSMUSG00000127235,lncRNA	0.76474001	0.04668787
ENSMUSG00002074933.1,Gm55532,miRNA	0.76445153	0.04345359
ENSMUSG00000033854.11,Kcnk10,protein_coding	0.76292448	0.00524888
ENSMUSG00000070867.5,Trabd2b,protein_coding	0.76216559	0.0029863
ENSMUSG00000083307.2,AA414768,processed_pseudogene	0.76064072	0.00434743
ENSMUSG00000026452.16,Syt2,protein_coding	0.75808156	0.00020074
ENSMUSG00000085342.2,Gm12254,processed_pseudogene	0.75735964	0.20743795
ENSMUSG00000107875.3,Gm54719,lncRNA	0.75701466	0.0117961
ENSMUSG00000062785.15,Kcnc3,protein_coding	0.75623388	0.0003699
ENSMUSG00000121005.1,Gm56769,lncRNA	0.75559065	0.12337511
ENSMUSG00000075410.15,Prcd,protein_coding	0.75525938	0.0786081
ENSMUSG00000086326.3,Gm13200,lncRNA	0.75449455	0.00985483
ENSMUSG00000113263.2,Gm4811,processed_pseudogene	0.75389476	0.27111584
ENSMUSG00000071379.3,Hpcal1,protein_coding	0.75385434	0.00091636
ENSMUSG00000019718.9,L3hypdh,protein_coding	0.75329874	0.01737264

ENSMUSG00000060512.8,0610040J01Rik,protein_coding	0.75264815	0.00656051
ENSMUSG00000066407.4,Gm10263,processed_pseudogene	0.75250416	0.38747239
ENSMUSG00000141389.1,ENSMUSG00000141389,lncRNA	0.75220738	0.00491658
ENSMUSG00000031737.12,Irx5,protein_coding	0.75211714	0.04858909
ENSMUSG00000102674.3,8030442B05Rik,lncRNA	0.75181757	0.04413639
ENSMUSG00000039238.7,Zfp750,protein_coding	0.75116684	0.03210668
ENSMUSG00000064348.1,mt-Tn,Mt_tRNA	0.74916609	0.05521337
ENSMUSG00000118661.1,Muc6,protein_coding	0.7490873	0.1317245
ENSMUSG00000056648.7,Hoxb8,protein_coding	0.74832928	0.70361317
ENSMUSG00000022687.13,Boc,protein_coding	0.74599498	0.00264927
ENSMUSG00000101693.3,Gm19461,lncRNA	0.74581719	0.00252988
ENSMUSG00000122124.1,ENSMUSG00000122124,lncRNA	0.74572243	0.01510532
ENSMUSG00000116882.2,Gm49614,TEC	0.74554587	0.06632279
ENSMUSG00000032514.12,Ttc21a,protein_coding	0.74297996	0.06880875
ENSMUSG00000118604.2,Gm53013,lncRNA	0.74271189	0.37822935
ENSMUSG00000041423.17,Paqr6,protein_coding	0.74195714	0.00043343
ENSMUSG00000112652.3,4921516A02Rik,lncRNA	0.74191595	0.04453467
ENSMUSG00000104402.2,Gm38012,TEC	0.74084789	0.04618239
ENSMUSG00000110618.3,Gm39822,lncRNA	0.7406741	0.05768532
ENSMUSG00000086129.3,Gm13558,lncRNA	0.73966407	0.00265777
ENSMUSG00000029072.4,Tas1r3,protein_coding	0.73954611	0.05241467
ENSMUSG00000021255.18,Esrrb,protein_coding	0.73856503	0.00126726
ENSMUSG00000116560.2,Gm2808,transcribed_unprocessed_pseudogene	0.73849547	0.29874393
ENSMUSG00000005220.11,Corin,protein_coding	0.73759313	0.07107635
ENSMUSG00000028370.8,Pappa,protein_coding	0.73712448	0.03851183
ENSMUSG00000096883.3,Shisa8,protein_coding	0.73695474	0.05294767
ENSMUSG00000055485.7,Mtcl2,protein_coding	0.73666101	0.00342149
ENSMUSG00000120798.2,Bmncr,lncRNA	0.73438318	0.04786715
ENSMUSG00000108242.2,9330118I20Rik,lncRNA	0.73411892	0.01862291
ENSMUSG00000001249.15,Hpn,protein_coding	0.73278535	0.01277172
ENSMUSG00000041000.9,Trim62,protein_coding	0.73269294	0.01410968
ENSMUSG00000114953.3,4930519K11Rik,lncRNA	0.72938528	0.02301095
ENSMUSG00000143946.1,ENSMUSG00000143946,lncRNA	0.72933264	0.07678525
ENSMUSG00000074170.6,Plekhf1,protein_coding	0.72903617	0.03618409
ENSMUSG00000053399.10,Adamts18,protein_coding	0.72861319	0.09569012
ENSMUSG00000025064.16,Col17a1,protein_coding	0.72826972	0.05490736
ENSMUSG00000092371.3,Gm20511,lncRNA	0.72720266	0.01942935
ENSMUSG00000042529.15,Kcnj12,protein_coding	0.72618391	0.00366619
ENSMUSG00000108634.4,Gm38534,lncRNA	0.72610776	0.13096648
ENSMUSG00000033256.15,Shf,protein_coding	0.72396079	0.00551846
ENSMUSG00000045288.11,Ush1g,protein_coding	0.72191167	0.143972
ENSMUSG00000025511.16,Tspan4,protein_coding	0.72187611	0.01054927
ENSMUSG00000104633.2,Gm42421,lncRNA	0.72057633	0.07229541
ENSMUSG00000000303.14,Cdh1,protein_coding	0.71980424	0.04678269
ENSMUSG00000084843.3,B230312C02Rik,lncRNA	0.71935935	0.14875657
ENSMUSG00000138136.1,ENSMUSG00000138136,lncRNA	0.71909315	0.46437953
ENSMUSG00000131103.1,ENSMUSG00000131103,lncRNA	0.71893264	0.03784602
ENSMUSG00000021130.9,Galnt16,protein_coding	0.71801797	0.01125541
ENSMUSG00000032502.9,Stac,protein_coding	0.71787302	0.00026093
ENSMUSG00000027612.8,Mmp24,protein_coding	0.7176278	0.00177881
ENSMUSG00000027408.8,Cpxm1,protein_coding	0.7174386	0.00619538
ENSMUSG00000075702.11,Selenom,protein_coding	0.71674631	0.00041394

ENSMUSG00000028736.14,Pax7,protein_coding	0.71568428	0.53220886
ENSMUSG00000043036.15,Ccdc63,protein_coding	0.71294361	0.06788251
ENSMUSG00000135216.1,ENSMUSG00000135216,lncRNA	0.71209262	0.00540051
ENSMUSG00000096793.9,Gm3002,protein_coding	0.71079609	0.03366631
ENSMUSG00000086851.3,A430108G06Rik,lncRNA	0.71009158	0.04872708
ENSMUSG00000003657.10,Calb2,protein_coding	0.70771573	0.01004839
ENSMUSG00000005357.10,Slc1a6,protein_coding	0.70509951	0.02203282
ENSMUSG00000033508.9,Asprv1,protein_coding	0.70404306	0.06095823
ENSMUSG00000130624.1,ENSMUSG00000130624,lncRNA	0.70340566	0.0585721
ENSMUSG00000031448.13,Adprhl1,protein_coding	0.70304819	0.09789962
ENSMUSG00000054450.2,Gm9945,TEC	0.70150694	0.10083871
ENSMUSG00000028584.4,Lrrc38,protein_coding	0.69945731	0.06406482
ENSMUSG00000135426.1,ENSMUSG00000135426,lncRNA	0.6984164	0.06621202
ENSMUSG00000031543.19,Ank1,protein_coding	0.69775857	0.00086394
ENSMUSG00000012520.11,Phox2b,protein_coding	0.69714808	0.60479879
ENSMUSG00000041075.9,Fzd7,protein_coding	0.69636504	0.04036309
ENSMUSG00000118008.3,Gm36913,lncRNA	0.69402486	0.00662904
ENSMUSG00000025083.19,Afap1l2,protein_coding	0.69337517	0.02051707
ENSMUSG00000128209.1,ENSMUSG00000128209,lncRNA	0.69231889	0.48725265
ENSMUSG00000078184.2,Rbm8a2,protein_coding	0.6918542	0.08297776
ENSMUSG00000142279.1,ENSMUSG00000142279,lncRNA	0.69163918	0.09200802
ENSMUSG00000026043.19,Col3a1,protein_coding	0.69163539	0.03222406
ENSMUSG00000097712.2,Gm10532,lncRNA	0.68994061	0.04705082
ENSMUSG00000027168.22,Pax6,protein_coding	0.6897886	0.03822668
ENSMUSG00000094370.9,Gm3373,protein_coding	0.68920247	0.53031773
ENSMUSG00000081046.2,Gm12846,processed_pseudogene	0.68901846	0.13878934
ENSMUSG00000020218.12,Wif1,protein_coding	0.68806964	0.11732958
ENSMUSG00000016194.15,Hsd11b1,protein_coding	0.68793497	0.00719756
ENSMUSG00000053626.6,Tll1,protein_coding	0.68673931	0.02740564
ENSMUSG00000045036.16,Tmem232,protein_coding	0.68669915	0.13508773
ENSMUSG00000052629.8,Gm9885,lncRNA	0.6856341	0.0168698
ENSMUSG00000083246.2,Gm11839,processed_pseudogene	0.68534054	0.03402651
ENSMUSG00000105594.2,Gm43398,TEC	0.68476061	0.03900678
ENSMUSG00000135400.1,ENSMUSG00000135400,lncRNA	0.68435317	0.05452683
ENSMUSG00000026347.14,Tmem163,protein_coding	0.68258057	0.00121374
ENSMUSG00000037904.15,Ankrd9,protein_coding	0.68127345	0.00042599
ENSMUSG00000082691.7,Dynlt1-ps1,processed_pseudogene	0.68047408	0.58563032
ENSMUSG00000142392.1,ENSMUSG00000142392,lncRNA	0.67929336	0.38334139
ENSMUSG00000142101.1,ENSMUSG00000142101,lncRNA	0.67926874	0.10406678
ENSMUSG00000045725.6,Prr15,protein_coding	0.67882452	0.02250583
ENSMUSG00000073787.5,Gm10575,lncRNA	0.67869733	0.07648506
ENSMUSG00000122142.1,ENSMUSG00000122142,lncRNA	0.67837398	0.00438614
ENSMUSG00000143433.1,ENSMUSG00000143433,lncRNA	0.67836371	0.09097837
ENSMUSG00000044505.6,Lingo4,protein_coding	0.67832008	0.02134507
ENSMUSG00000004885.6,Crabp2,protein_coding	0.67727388	0.10356423
ENSMUSG00000120608.2,Gm56652,lncRNA	0.67505091	0.06315583
ENSMUSG00000007030.9,Vwa7,protein_coding	0.67499835	0.04974393
ENSMUSG00000022610.11,Mapk12,protein_coding	0.67262704	0.00785986
ENSMUSG00000125567.1,ENSMUSG00000125567,lncRNA	0.67083503	0.08971192
ENSMUSG00000017978.20,Cadps2,protein_coding	0.67068333	0.00318065
ENSMUSG00000029716.14,Tfr2,protein_coding	0.6701115	0.01016185
ENSMUSG00000028373.17,Astn2,protein_coding	0.66888215	0.00067939

ENSMUSG00000130617.1,ENSMUSG00000130617,lncRNA	0.66706119	0.00205861
ENSMUSG00000042834.16,Nrep,protein_coding	0.66701762	0.02404922
ENSMUSG00000041617.11,Ccdc74a,protein_coding	0.66674188	0.00172291
ENSMUSG00000036466.18,Megf11,protein_coding	0.66628541	0.02946241
ENSMUSG00000057967.13,Fgf18,protein_coding	0.66627928	0.05928029
ENSMUSG00000028487.19,Bnc2,protein_coding	0.66394824	0.07169839
ENSMUSG00000108601.2,Gm44645,TEC	0.66199514	0.08204715
ENSMUSG00000040146.10,Rgl3,protein_coding	0.66175171	0.07632199
ENSMUSG00000047181.13,Samd14,protein_coding	0.66128135	0.00136476
ENSMUSG00000034324.17,Tmem132c,protein_coding	0.66018097	0.00671523
ENSMUSG00000048707.10,Tprn,protein_coding	0.65974644	0.00210682
ENSMUSG00000100807.5,Gm29521,lncRNA	0.65907266	0.09378105
ENSMUSG00000033740.18,St18,protein_coding	0.65892973	0.03923951
ENSMUSG00000080935.4,Got2-ps1,processed_pseudogene	0.65816912	0.11637399
ENSMUSG00000141377.1,ENSMUSG00000141377,lncRNA	0.65783667	0.13409605
ENSMUSG00000129238.1,ENSMUSG00000129238,lncRNA	0.65678619	0.00670407
ENSMUSG00000041559.8,Fmod,protein_coding	0.65514986	0.02237949
ENSMUSG00000028701.5,Lurap1,protein_coding	0.65495918	0.01035103
ENSMUSG00000064585.3,Gm25129,snoRNA	0.65446706	0.02549775
ENSMUSG00000048387.9,Osr1,protein_coding	0.65382018	0.08251441
ENSMUSG00000132067.1,ENSMUSG00000132067,lncRNA	0.65313796	0.02512949
ENSMUSG00000063383.6,Zfp947,protein_coding	0.65308605	0.07439558
ENSMUSG00000045903.10,Npas4,protein_coding	0.65268236	0.01536393
ENSMUSG00000026805.15,Barhl1,protein_coding	0.65247822	0.03150247
ENSMUSG00000140944.1,ENSMUSG00000140944,lncRNA	0.65164132	0.00092444
ENSMUSG00000024736.16,Tmem132a,protein_coding	0.65142058	0.00034246
ENSMUSG00000090546.3,Cdr1,lncRNA	0.65132061	0.04290691
ENSMUSG00000024963.13,Dnajc4,protein_coding	0.64970917	0.00241231
ENSMUSG00000006574.16,Slc4a1,protein_coding	0.64925566	0.26817442
ENSMUSG00000127239.1,ENSMUSG00000127239,lncRNA	0.64883206	0.09290806
ENSMUSG00000038550.11,Ciart,protein_coding	0.64826066	0.01006406
ENSMUSG00000069678.11,Pcgf1,protein_coding	0.64732834	0.00140192
ENSMUSG00000070720.5,Tmem200b,protein_coding	0.64706689	0.01690025
ENSMUSG00000023968.16,Crip3,protein_coding	0.64549047	0.21494426
ENSMUSG00000106666.2,Gm43587,processed_pseudogene	0.64450419	0.47965823
ENSMUSG00000018486.3,Wnt9b,protein_coding	0.64352607	0.22488603
ENSMUSG00000040938.17,Slc16a11,protein_coding	0.64323492	0.01989078
ENSMUSG00000025477.15,Inpp5a,protein_coding	0.64284839	0.00179428
ENSMUSG00000095690.3,Rab11b-ps2,processed_pseudogene	0.64215335	0.38013644
ENSMUSG00000036913.16,Trim67,protein_coding	0.64209919	0.01403711
ENSMUSG00000120857.2,Gm56797,lncRNA	0.64185467	0.04507079
ENSMUSG00000123148.1,ENSMUSG00000123148,lncRNA	0.64179019	0.71371534
ENSMUSG00000078898.11,Zfp968,protein_coding	0.64172062	0.78670248
ENSMUSG00000084887.3,Gm11749,lncRNA	0.6416139	0.01211609
ENSMUSG00000034652.13,Cd300a,protein_coding	0.64156204	0.04195808
ENSMUSG00000136525.1,ENSMUSG00000136525,lncRNA	0.64147254	0.31559206
ENSMUSG00000024925.12,Rnaseh2c,protein_coding	0.64020199	0.00035528
ENSMUSG00000007944.9,Ttc9b,protein_coding	0.63770341	0.00315655
ENSMUSG00000025504.15,Eps8l2,protein_coding	0.63759231	0.0318364
ENSMUSG00000023019.13,Gpd1,protein_coding	0.637386	0.00041459
ENSMUSG00000097280.3,AI849053,lncRNA	0.63707688	0.13780735
ENSMUSG00000137872.1,ENSMUSG00000137872,lncRNA	0.63466014	0.09255215

ENSMUSG00000117878.3,Gm50202,lncRNA	0.63429811	0.00787611
ENSMUSG00000122484.1,ENSMUSG00000122484,lncRNA	0.63330704	0.1196447
ENSMUSG00000077221.3,Snord67,snoRNA	0.63305293	0.00612201
ENSMUSG00000107442.2,Gm43881,TEC	0.63250294	0.04370228
ENSMUSG00000050822.12,Slc29a4,protein_coding	0.63245844	0.00915534
ENSMUSG00000123184.1,ENSMUSG00000123184,lncRNA	0.63221107	0.01411858
ENSMUSG00000102814.2,Gm37812,TEC	0.63120353	0.09897023
ENSMUSG00000038763.13,Alpk3,protein_coding	0.63027244	0.05558513
ENSMUSG00000020431.6,Adcy1,protein_coding	0.63005983	0.00143855
ENSMUSG00000032303.9,Chrna3,protein_coding	0.62952082	0.39995243
ENSMUSG00000113076.2,Gm47088,TEC	0.62739889	0.06331406
ENSMUSG00000035237.8,Lcat,protein_coding	0.6270564	0.00125065
ENSMUSG00000028307.10,Aldob,protein_coding	0.62702369	0.0810215
ENSMUSG00000120690.2,Gm56654,lncRNA	0.62675841	0.08938884
ENSMUSG00000121675.1,ENSMUSG00000121675,lncRNA	0.62602969	0.57750012
ENSMUSG00000039620.18,Trmt9b,protein_coding	0.62585294	0.05594369
ENSMUSG00000104363.2,Gm38081,TEC	0.62532312	0.13619501
ENSMUSG00000134977.1,ENSMUSG00000134977,lncRNA	0.62402441	0.13203509
ENSMUSG00000026976.16,Pax8,protein_coding	0.62359019	0.56314273
ENSMUSG00000053214.9,Gm9899,lncRNA	0.62314504	0.00048825
ENSMUSG00000116525.3,Gm30371,lncRNA	0.62301018	0.04067355
ENSMUSG00000029862.17,Clcn1,protein_coding	0.62289099	0.00830737
ENSMUSG00000025400.12,Tac2,protein_coding	0.62254449	0.33870179
ENSMUSG00000026688.6,Mgst3,protein_coding	0.62110679	0.00199088
ENSMUSG00000097515.4,1700040D17Rik,lncRNA	0.62093487	0.02386288
ENSMUSG00000041235.13,Chd7,protein_coding	0.62067002	0.0415373
ENSMUSG00000045532.6,C1ql1,protein_coding	0.62066552	0.08974774
ENSMUSG00000027931.13,Npr1,protein_coding	0.62017926	0.02019289
ENSMUSG00000079654.4,Prrt4,protein_coding	0.61962493	0.04192402
ENSMUSG00000045314.6,Sowahb,protein_coding	0.6195327	0.00098691
ENSMUSG00000043088.17,Il17re,protein_coding	0.61913278	0.21434795
ENSMUSG00000019987.10,Arg1,protein_coding	0.6171065	0.43024871
ENSMUSG00000120885.2,Gm57243,lncRNA	0.61686332	0.09402675
ENSMUSG00000028626.6,Col9a2,protein_coding	0.61574809	0.00190394
ENSMUSG00000035172.16,Plekhh3,protein_coding	0.61497646	0.00172463
ENSMUSG00000104908.3,1700015C17Rik,lncRNA	0.6149216	0.1005843
ENSMUSG00000071648.5,Rom1,protein_coding	0.61462326	0.00874422
ENSMUSG00000024769.8,Cdc42bpg,protein_coding	0.61447743	0.02884691
ENSMUSG00000005672.13,Kit,protein_coding	0.61253742	0.00712466
ENSMUSG00000031972.6,Acta1,protein_coding	0.61235674	0.104797
ENSMUSG00000138691.1,ENSMUSG00000138691,lncRNA	0.61228795	0.0975006
ENSMUSG00000120792.2,Gm57362,lncRNA	0.61214233	0.03590988
ENSMUSG00000085564.2,Gm12198,lncRNA	0.61176274	0.07344173
ENSMUSG00000036972.15,Zic4,protein_coding	0.6116524	0.0551683
ENSMUSG00000031492.14,Chrnb3,protein_coding	0.61156442	0.35844305
ENSMUSG00000079598.5,Clec2l,protein_coding	0.61126413	0.00141182
ENSMUSG00000102972.2,Gm37348,processed_pseudogene	0.61120717	0.03898788
ENSMUSG00000029661.17,Col1a2,protein_coding	0.61090588	0.00446757
ENSMUSG00000030513.15,Pcsk6,protein_coding	0.60963732	0.00071521
ENSMUSG00000087644.3,Gm14703,lncRNA	0.60943657	0.0212819
ENSMUSG00000126543.1,ENSMUSG00000126543,lncRNA	0.60909541	0.10825089
ENSMUSG00000121783.1,ENSMUSG00000121783,lncRNA	0.60842264	0.00595856

ENSMUSG00000027583.14,Zbtb46,protein_coding	0.60781648	0.00805083
ENSMUSG00000020099.9,Unc5b,protein_coding	0.60758026	0.00020162
ENSMUSG00000103202.2,Gm37326,TEC	0.60745985	0.01798319
ENSMUSG00000088025.3,Rprl3,ribozyme	0.60728947	0.00442168
ENSMUSG00000001506.11,Col1a1,protein_coding	0.60722755	0.00262785
ENSMUSG00000043924.17,Ncmap,protein_coding	0.60698024	0.16489112
ENSMUSG00000004151.18,Etv1,protein_coding	0.60634475	0.04039257
ENSMUSG00000035686.9,Thrsp,protein_coding	0.60628674	0.00553511
ENSMUSG00000081824.6,Ndufs5-ps,processed_pseudogene	0.60480222	0.29934398
ENSMUSG00000073405.7,H2-T11-ps,transcribed_unprocessed_pseudogene	0.60468792	0.4278533
ENSMUSG00000053783.6,Liat1,protein_coding	0.60427031	0.17232645
ENSMUSG00000094500.3,Smim18,protein_coding	0.60425689	0.06635578
ENSMUSG00000125669.1,ENSMUSG00000125669,lncRNA	0.60410828	0.12798794
ENSMUSG00000089671.3,Gm16537,lncRNA	0.60402672	0.06393596
ENSMUSG00000037977.7,6430571L13Rik,protein_coding	0.60400228	0.01992613
ENSMUSG00000063594.6,Gng8,protein_coding	0.60206634	0.11332155
ENSMUSG00000024553.9,Galr1,protein_coding	0.60085664	0.06413927
ENSMUSG00000115868.2,Gm2999,processed_pseudogene	0.60058752	0.08972309
ENSMUSG00000118746.1,Gm24389,snRNA	0.60023392	0.66073438
ENSMUSG00000061878.17,Sphk1,protein_coding	0.59991528	0.02920082
ENSMUSG00000020834.18,Dhrs13,protein_coding	0.59985708	0.00249986
ENSMUSG00000053166.15,Cdh22,protein_coding	0.59963872	0.00053819
ENSMUSG00000029671.16,Wnt16,protein_coding	0.59908622	0.19728982
ENSMUSG00000087437.9,Gm13112,lncRNA	0.59860235	0.23527866
ENSMUSG00000043811.6,Rtn4r,protein_coding	0.5985813	0.00536249
ENSMUSG00000045625.6,Pigz,protein_coding	0.59854156	0.00182542
ENSMUSG00000059631.9,1500035N22Rik,lncRNA	0.59797376	0.15169456
ENSMUSG00000001507.17,Itga3,protein_coding	0.59738188	0.00108124
ENSMUSG00000097184.5,4632428C04Rik,lncRNA	0.59729273	0.01902567
ENSMUSG00000040136.11,Abcc8,protein_coding	0.59723434	0.00119023
ENSMUSG00000125136.1,ENSMUSG00000125136,lncRNA	0.5970198	0.05449835
ENSMUSG00000029054.9,Gabrd,protein_coding	0.59554882	0.00134271
ENSMUSG00000020151.17,Ptprr,protein_coding	0.59549906	0.00205892
ENSMUSG00000071398.9,2410004P03Rik,protein_coding	0.59533397	0.12640556
ENSMUSG00000140457.1,ENSMUSG00000140457,lncRNA	0.59532794	0.54319933
ENSMUSG00000025171.3,Ubtd1,protein_coding	0.59469616	0.00091136
ENSMUSG00000085434.3,Gm11725,lncRNA	0.59446021	0.04863659
ENSMUSG00000100075.3,1700018L02Rik,lncRNA	0.59367726	0.04320479
ENSMUSG00000037279.14,Ovol2,protein_coding	0.59363244	0.21141644
ENSMUSG00000027954.10,Efna1,protein_coding	0.59355381	0.01638175
ENSMUSG00000042532.15,Golga7b,protein_coding	0.59298274	0.00012697
ENSMUSG00000040562.13,Gstm2,protein_coding	0.59230158	0.10867998
ENSMUSG00000038765.15,Lmx1b,protein_coding	0.59216927	0.51366726
ENSMUSG00000034449.8,Dhrs11,protein_coding	0.59169607	0.00627002
ENSMUSG00000034765.7,Dusp5,protein_coding	0.59136253	0.07030429
ENSMUSG00000047656.10,Trpt1,protein_coding	0.59077318	0.00092455
ENSMUSG00000143157.1,ENSMUSG00000143157,lncRNA	0.5904065	0.11338664
ENSMUSG00000056174.9,Col8a2,protein_coding	0.59030482	0.10373044
ENSMUSG00000042978.12,Sbk1,protein_coding	0.5899584	0.00610998
ENSMUSG00000027977.16,Ndst3,protein_coding	0.58923584	0.00470259
ENSMUSG00000107676.2,Gm44178,TEC	0.58910819	0.06054783
ENSMUSG00000119950.2,Gm41113,lncRNA	0.58892997	0.0271654

ENSMUSG00000131201.1,ENSMUSG00000131201,lncRNA	0.5882901	0.00249358
ENSMUSG00000108607.3,Gm44646,lncRNA	0.58827481	0.0704746
ENSMUSG00000035506.17,Slc12a8,protein_coding	0.5881406	0.0535673
ENSMUSG00000066760.13,Psg16,protein_coding	0.5880596	0.02602791
ENSMUSG00000052373.15,Mpp3,protein_coding	0.58775668	0.0108514
ENSMUSG00000020334.7,Slc22a4,protein_coding	0.58772183	0.02033479
ENSMUSG00000098649.5,Lhx5as1,lncRNA	0.58724224	0.05169564
ENSMUSG00000112592.2,Gm19972,TEC	0.58647227	0.05552708
ENSMUSG00000029528.20,Pxn,protein_coding	0.58635457	0.01099726
ENSMUSG00000132055.1,ENSMUSG00000132055,lncRNA	0.58625347	0.22819346
ENSMUSG00000092805.4,Gm26461,misc_RNA	0.58614645	0.04507778
ENSMUSG00000105565.2,Gm43566,lncRNA	0.58573976	0.27416741
ENSMUSG00000126697.1,ENSMUSG00000126697,lncRNA	0.58459593	0.22074664
ENSMUSG00000026697.11,Myoc,protein_coding	0.5843975	0.17647707
ENSMUSG00000054061.10,Gm9934,lncRNA	0.58434247	0.06242148
ENSMUSG00000023046.7,Igfbp6,protein_coding	0.58422814	0.0068791
ENSMUSG00000002274.15,Metrn,protein_coding	0.58385525	0.00068468
ENSMUSG00000127347.1,ENSMUSG00000127347,lncRNA	0.5835095	0.21637091
ENSMUSG00000033998.10,Kcnk1,protein_coding	0.5834803	0.00194132
ENSMUSG00000030093.8,Wnt7a,protein_coding	0.5833427	0.00504729
ENSMUSG00000030703.9,Gdpd3,protein_coding	0.58296284	0.17023682
ENSMUSG00000087775.3,Rprl2,ribozyme	0.58291678	0.09940305
ENSMUSG00000023495.14,Pcbp4,protein_coding	0.58257469	0.00017135
ENSMUSG00000026458.14,Ppfia4,protein_coding	0.58246008	0.0032481
ENSMUSG00000021265.4,Slc25a29,protein_coding	0.58241911	0.00195853
ENSMUSG00000119278.1,Gm23092,snRNA	0.58206432	0.13136414
ENSMUSG00000032232.15,Cgnl1,protein_coding	0.58183451	0.00039262
ENSMUSG00000040540.7,Ctdsp2-ps,processed_pseudogene	0.58178265	0.29717944
ENSMUSG00000053965.11,Pde5a,protein_coding	0.58174602	0.01385991
ENSMUSG00000027574.16,Nkain4,protein_coding	0.58120317	0.00606811
ENSMUSG00000025731.17,Mettl26,protein_coding	0.57895302	0.02013054
ENSMUSG00000052105.18,Mtcl1,protein_coding	0.57895006	0.00286429
ENSMUSG00000125346.1,ENSMUSG00000125346,lncRNA	0.5788209	0.11055909
ENSMUSG00000032908.10,Sgpp2,protein_coding	0.57874204	0.00029694
ENSMUSG00000100354.2,Gm29113,lncRNA	0.57865454	0.16547379
ENSMUSG00000020080.9,Hkdc1,protein_coding	0.57863557	0.06919638
ENSMUSG00000053914.10,Kdm4d,protein_coding	0.5783692	0.01730799
ENSMUSG00000036186.6,Dipk1b,protein_coding	0.57806477	0.00120366
ENSMUSG00000040616.4,Tmem51,protein_coding	0.57775808	0.00983259
ENSMUSG00000037336.15,Mfsd2b,protein_coding	0.57762554	0.02029949
ENSMUSG00000015202.14,Cnksr3,protein_coding	0.57708091	0.05976859
ENSMUSG00000029307.8,Dmp1,protein_coding	0.57670854	0.04470634
ENSMUSG00000058806.16,Col13a1,protein_coding	0.5764402	0.05803119
ENSMUSG00000054967.8,Zfp647,protein_coding	0.57543208	0.01421994
ENSMUSG00000030170.15,Wnt5b,protein_coding	0.57540778	0.23675824
ENSMUSG00000061740.9,Cyp2d22,protein_coding	0.575025	0.00357396
ENSMUSG00000050390.13,Nhsl3,protein_coding	0.57474002	0.00010558
ENSMUSG00000097806.5,Gm6556,lncRNA	0.57436023	0.18018586
ENSMUSG00000045094.9,Arhgef37,protein_coding	0.57434851	0.10678089
ENSMUSG00000092674.5,Gm24105,misc_RNA	0.57420584	0.07501864
ENSMUSG00000031955.11,Bcar1,protein_coding	0.57414852	0.00023909
ENSMUSG00000006411.13,Nectin4,protein_coding	0.57413473	0.00583862

ENSMUSG00000030317.9,Timp4,protein_coding	0.57404168	0.00624525
ENSMUSG00000126979.1,Gm6981,lncRNA	0.57351495	0.23876042
ENSMUSG00000131967.1,ENSMUSG00000131967,lncRNA	0.57268884	0.12761637
ENSMUSG00000030137.9,Tuba8,protein_coding	0.57268852	0.01334475
ENSMUSG00000086896.3,Cyp4x1os,lncRNA	0.57245204	0.08718057
ENSMUSG00000122421.1,ENSMUSG00000122421,lncRNA	0.57241965	0.1976546
ENSMUSG00000037872.6,Ackr1,protein_coding	0.57225559	0.00510916
ENSMUSG00000066894.15,Vsig10,protein_coding	0.57175485	0.0067449
ENSMUSG00000078588.11,Ccdc24,protein_coding	0.57159185	0.09823485
ENSMUSG00000041801.6,Phlda3,protein_coding	0.5713684	0.03148674
ENSMUSG00000027386.10,Fbln7,protein_coding	0.57059132	0.01243902
ENSMUSG00000058966.14,Tlcd3b,protein_coding	0.57048862	0.00055965
ENSMUSG00000116557.3,4933432I09Rik,lncRNA	0.5694823	0.03623227
ENSMUSG00000129234.1,ENSMUSG00000129234,lncRNA	0.56947824	0.07729387
ENSMUSG00000020072.16,Pbld2,protein_coding	0.56932538	0.13416353
ENSMUSG00000127806.1,ENSMUSG00000127806,lncRNA	0.56905652	0.16453659
ENSMUSG00000104860.2,Gm42510,TEC	0.56871394	0.14305768
ENSMUSG00000097057.2,Gm17638,lncRNA	0.56811766	0.14795386
ENSMUSG00000022098.11,Bmp1,protein_coding	0.56807378	0.01141057
ENSMUSG00000104737.2,Gm42937,lncRNA	0.56704101	0.04131915
ENSMUSG00000031595.10,Pdgfrl,protein_coding	0.56677514	0.08557152
ENSMUSG00000121926.1,ENSMUSG00000121926,protein_coding	0.56624449	0.02217578
ENSMUSG00000114169.2,Gm47075,TEC	0.56624111	0.10361333
ENSMUSG00000116093.2,Gm3888,processed_pseudogene	0.56623172	0.60158597
ENSMUSG00000043673.12,Kcns3,protein_coding	0.56597756	0.02145259
ENSMUSG00000094122.2,Rpl31-ps9,processed_pseudogene	0.56588667	0.60749201
ENSMUSG00000102918.2,Pcdhgc3,protein_coding	0.56573131	0.00044012
ENSMUSG00000105620.2,Gm43047,TEC	0.56514301	0.10886838
ENSMUSG00000048677.10,Tpcn2,protein_coding	0.56494692	0.01775953
ENSMUSG00000045259.5,Klhdc9,protein_coding	0.56491735	0.20059476
ENSMUSG00000047330.9,Kcne4,protein_coding	0.5632716	0.12633165
ENSMUSG00000002504.16,Nherf2,protein_coding	0.56296176	0.00016271
ENSMUSG00000096974.5,Gm26881,lncRNA	0.56290962	0.05240678
ENSMUSG00000058975.8,Kcnc1,protein_coding	0.56239182	0.00096531
ENSMUSG00000043843.18,Tmem145,protein_coding	0.56213407	0.00251806
ENSMUSG00000110669.2,Gm10060,transcribed_processed_pseudogene	0.56166927	0.04351593
ENSMUSG00000026883.18,Dab2ip,protein_coding	0.56122149	0.00119008
ENSMUSG00000125590.1,ENSMUSG00000125590,lncRNA	0.56087319	0.00155015
ENSMUSG00000132981.1,ENSMUSG00000132981,lncRNA	0.56077352	0.06486117
ENSMUSG00000135383.1,ENSMUSG00000135383,lncRNA	0.56054441	0.05262673
ENSMUSG00000049295.18,Zfp219,protein_coding	0.55973771	0.00095786
ENSMUSG00000063765.13,Chadl,protein_coding	0.55963589	0.00191797
ENSMUSG00000037295.8,Ldlrap1,protein_coding	0.55901791	0.02276889
ENSMUSG00000114547.2,Gm3226,processed_pseudogene	0.55893746	0.58689737
ENSMUSG00000041479.15,Syt15,protein_coding	0.55861127	0.2345421
ENSMUSG00000030688.16,Stard10,protein_coding	0.55832872	0.00015587
ENSMUSG00000061859.18,Patj,protein_coding	0.55826061	0.01144862
ENSMUSG00000133441.1,Gm51792,lncRNA	0.55817756	0.64425455
ENSMUSG00000091636.3,Akain1,protein_coding	0.55780082	0.00553001
ENSMUSG00000026024.15,Als2,protein_coding	0.55769366	0.00837587
ENSMUSG00000050989.11,Selenon,protein_coding	0.5572958	0.00066777
ENSMUSG00000054659.14,Pm20d2,protein_coding	0.55680657	0.04037029

ENSMUSG00000041669.16,Prima1,protein_coding	0.55667562	0.04130385
ENSMUSG00000073633.10,Fbxo36,protein_coding	0.55667264	0.0458096
ENSMUSG00000021061.16,Sptb,protein_coding	0.55625311	0.0002869
ENSMUSG00000071035.6,Gm5499,processed_pseudogene	0.55610525	0.20947421
ENSMUSG00000097299.3,Gm26654,lncRNA	0.55577301	0.28844412
ENSMUSG00000067215.6,Usp51,protein_coding	0.55514746	0.18450266
ENSMUSG00000033227.8,Wnt6,protein_coding	0.55511567	0.21956845
ENSMUSG00000021359.17,Tfap2a,protein_coding	0.55493701	0.12649869
ENSMUSG00000024990.14,Rbp4,protein_coding	0.55486207	0.07524476
ENSMUSG00000001103.8,Sebox,protein_coding	0.55454246	0.09865384
ENSMUSG00000025425.19,St8sia5,protein_coding	0.55351764	0.00891693
ENSMUSG00000018634.11,Crhr1,protein_coding	0.55328192	0.01613049
ENSMUSG00000021221.17,Dpf3,protein_coding	0.55290709	0.03794886
ENSMUSG00000086247.10,Gm15787,lncRNA	0.55281715	0.10855403
ENSMUSG00000116772.4,4930483P17Rik,lncRNA	0.55276955	0.11706712
ENSMUSG00000020844.7,Nxn,protein_coding	0.55260808	0.01287129
ENSMUSG00000040972.9,Igsf21,protein_coding	0.552542	0.00067946
ENSMUSG00000096146.3,Kcnj11,protein_coding	0.55241516	0.00325045
ENSMUSG00000123732.1,ENSMUSG00000123732,lncRNA	0.55233016	0.05410172
ENSMUSG00000073888.14,Ccl27a,protein_coding	0.55143729	0.10737291
ENSMUSG00000139182.1,ENSMUSG00000139182,lncRNA	0.55131221	0.05546538
ENSMUSG00000009356.13,Lpo,protein_coding	0.55130067	0.2749488
ENSMUSG00000064201.9,Krt2,protein_coding	0.55121179	0.59062058
ENSMUSG00000034845.7,Plvap,protein_coding	0.55099741	0.02015089
ENSMUSG00000014846.13,Tppp3,protein_coding	0.55077569	0.02259338
ENSMUSG00000025576.18,Rbfox3,protein_coding	0.55063168	0.00018066
ENSMUSG00000074652.4,Myh7b,protein_coding	0.55027159	0.00218783
ENSMUSG00000045114.11,Prrt2,protein_coding	0.55025757	0.00242961
ENSMUSG00000050910.6,Cdr2l,protein_coding	0.54967639	0.00043889
ENSMUSG00000133019.1,ENSMUSG00000133019,lncRNA	0.54919361	0.15362783
ENSMUSG00000007039.13,Ddah2,protein_coding	0.54915435	0.00735184
ENSMUSG00000092626.4,9130230N09Rik,lncRNA	0.54902127	0.10646606
ENSMUSG00000038145.18,Snrk,protein_coding	0.54895532	0.00258156
ENSMUSG00000023999.15,Kif6,protein_coding	0.54824302	0.06111771
ENSMUSG00000026939.13,Tmem141,protein_coding	0.54811461	0.00247845
ENSMUSG00000121914.1,Sts,protein_coding	0.54743866	0.09561831
ENSMUSG00000132124.1,ENSMUSG00000132124,lncRNA	0.54719012	0.20264132
ENSMUSG00000020061.19,Mybpc1,protein_coding	0.54706911	0.130379
ENSMUSG00000137596.1,ENSMUSG00000137596,lncRNA	0.54610782	0.00710851
ENSMUSG00000065371.3,Gm22739,snRNA	0.54551449	0.07430982
ENSMUSG00000108103.3,Gm44081,lncRNA	0.54537397	0.10417774
ENSMUSG00000026241.6,Nppc,protein_coding	0.54523495	0.06961294
ENSMUSG00000063430.10,Wscd2,protein_coding	0.54517894	0.03123591
ENSMUSG00000039903.19,Eva1c,protein_coding	0.54450545	0.04584146
ENSMUSG00000108402.2,9430064I24Rik,TEC	0.54350711	0.00917939
ENSMUSG00000125365.1,ENSMUSG00000125365,lncRNA	0.54348338	0.05937661
ENSMUSG00000028664.15,Ephb2,protein_coding	0.54240312	0.00187193
ENSMUSG00000040152.9,Thbs1,protein_coding	0.54229253	0.02766318
ENSMUSG00000036242.16,Armh4,protein_coding	0.54207569	0.00753284
ENSMUSG00000000125.6,Wnt3,protein_coding	0.54207177	0.08853571
ENSMUSG00000027239.15,Mdk,protein_coding	0.54157381	0.00129459
ENSMUSG00000045672.16,Col27a1,protein_coding	0.54156303	0.04363081

ENSMUSG00000006345.11,Ggt1,protein_coding	0.54140642	0.03471358
ENSMUSG00000079592.10,C1qtnf5,protein_coding	0.54133678	0.18993554
ENSMUSG00000071722.5,Spin4,protein_coding	0.54101312	0.05953339
ENSMUSG00000029151.15,Slc30a3,protein_coding	0.54088627	0.02107344
ENSMUSG00000062542.12,Syt9,protein_coding	0.54052424	0.03388124
ENSMUSG00000093452.6,Zfhx2os,lncRNA	0.53962029	0.03102624
ENSMUSG00000025202.9,Scd3,protein_coding	0.53957124	0.01853048
ENSMUSG00000120100.2,Gm56546,lncRNA	0.53897231	0.08246042
ENSMUSG00000000552.11,Zfp385a,protein_coding	0.53866762	0.00081516
ENSMUSG00000000792.3,Slc5a5,protein_coding	0.53846524	0.01803878
ENSMUSG00000090799.3,Klhl33,protein_coding	0.53827083	0.00361134
ENSMUSG00000089746.2,Gm3513,lncRNA	0.53756695	0.13563855
ENSMUSG00000019945.11,Cabcoco1,protein_coding	0.53739438	0.33352525
ENSMUSG00000122565.1,ENSMUSG00000122565,lncRNA	0.53676425	0.7162595
ENSMUSG00000031762.8,Mt2,protein_coding	0.53653086	0.05022955
ENSMUSG00000037979.14,Ccdc92,protein_coding	0.53651526	0.00040397
ENSMUSG00000017417.15,Plxdc1,protein_coding	0.53639697	0.00179989
ENSMUSG00000053226.8,Dand5,protein_coding	0.53620534	0.00246789
ENSMUSG00000134651.1,ENSMUSG00000134651,lncRNA	0.53606691	0.00065295
ENSMUSG00000022096.15,Hr,protein_coding	0.53594201	0.01250442
ENSMUSG00000031765.9,Mt1,protein_coding	0.53565846	0.00913083
ENSMUSG00000038967.14,Pdk2,protein_coding	0.53550937	0.00135509
ENSMUSG00000138516.1,ENSMUSG00000138516,lncRNA	0.53522703	0.16616033
ENSMUSG00000030102.12,Itpr1,protein_coding	0.53514185	0.0033375
ENSMUSG00000020548.13,1700086D15Rik,lncRNA	0.53461878	0.01862358
ENSMUSG00000074738.3,Fndc10,protein_coding	0.53335203	0.00261298
ENSMUSG00000049303.11,Syt12,protein_coding	0.53286975	0.00188457
ENSMUSG00000070729.6,Gm12966,processed_pseudogene	0.53281185	0.1103913
ENSMUSG00000120099.1,Gm57107,lncRNA	0.53261857	0.08958799
ENSMUSG00000141378.1,ENSMUSG00000141378,lncRNA	0.53261699	0.00257694
ENSMUSG00000090236.4,Car15,protein_coding	0.53260018	0.03155245
ENSMUSG00000132389.1,ENSMUSG00000132389,lncRNA	0.53227997	0.25447592
ENSMUSG00000119757.2,Gm24448,snRNA	0.53174086	0.14070251
ENSMUSG00000003469.10,Phyhip,protein_coding	0.53166697	0.00424606
ENSMUSG00000104704.2,Gm43133,TEC	0.53118454	0.07794307
ENSMUSG00000055214.16,Pld5,protein_coding	0.53041658	0.02338615
ENSMUSG00000028795.16,Ccdc28b,protein_coding	0.53030118	0.00412398
ENSMUSG00000018821.4,Avpi1,protein_coding	0.53002598	0.02066266
ENSMUSG00000063415.13,Cyp26b1,protein_coding	0.53002208	0.0435857
ENSMUSG00000049588.14,Ccdc69,protein_coding	0.52991726	0.33315367
ENSMUSG00000118667.1,Ahnak2,protein_coding	0.52956452	0.32703245
ENSMUSG00000050860.7,Phospho1,protein_coding	0.52899767	0.00086945
ENSMUSG00000101268.7,2010310C07Rik,lncRNA	0.52875628	0.25326697
ENSMUSG00000133489.1,ENSMUSG00000133489,lncRNA	0.52859602	0.05386438
ENSMUSG00000019935.17,Slc17a8,protein_coding	0.52781927	0.26146351
ENSMUSG00000082917.2,Gm11440,transcribed_processed_pseudogene	0.52769039	0.20781385
ENSMUSG00000047496.7,Rnf152,protein_coding	0.52759841	0.00923637
ENSMUSG00000022483.18,Col2a1,protein_coding	0.52755535	0.12351543
ENSMUSG00000040258.7,Nxph4,protein_coding	0.52709443	0.09135815
ENSMUSG00000043850.16,Clrn1,protein_coding	0.52664938	0.16598948
ENSMUSG00000097482.5,Gm17634,lncRNA	0.52642105	0.16466908
ENSMUSG00000085783.4,Gm9816,processed_pseudogene	0.5258331	0.32130734

ENSMUSG00000029359.14,Tesc,protein_coding	0.5258009	0.00067866
ENSMUSG00000009633.4,G0s2,protein_coding	0.52534022	0.12345088
ENSMUSG00000023571.5,C1qtnf12,protein_coding	0.52428831	0.05545446
ENSMUSG00000040158.13,Tax1bp3,protein_coding	0.52381947	0.00481603
ENSMUSG00000086108.4,Gm5602,lncRNA	0.52368957	0.06521833
ENSMUSG00000038782.8,1700028J19Rik,protein_coding	0.52366931	0.30741144
ENSMUSG00000091735.3,Gpr62,protein_coding	0.52360564	0.00052606
ENSMUSG00000116627.3,Gm30124,lncRNA	0.52245087	0.32086344
ENSMUSG00000132744.1,ENSMUSG00000132744,lncRNA	0.52240234	0.30773368
ENSMUSG00000007594.11,Hapln4,protein_coding	0.52238257	0.00099153
ENSMUSG00000104301.4,Wdr49,protein_coding	0.52219526	0.25813312
ENSMUSG00000141156.1,ENSMUSG00000141156,lncRNA	0.52198422	0.2828139
ENSMUSG00000090207.4,4930524O07Rik,lncRNA	0.5219839	0.04600793
ENSMUSG00000024440.14,Pcdh12,protein_coding	0.52189637	0.14768782
ENSMUSG00000024347.17,Psd2,protein_coding	0.52153673	0.00085927
ENSMUSG00000141422.1,ENSMUSG00000141422,lncRNA	0.52082042	0.00819135
ENSMUSG00000086645.4,Gm15743,lncRNA	0.52076907	0.07518903
ENSMUSG00000019194.16,Scn1b,protein_coding	0.52019035	0.00070094
ENSMUSG00000097323.4,4930426I24Rik,lncRNA	0.51902118	0.06521569
ENSMUSG00000089769.2,Gm16574,processed_pseudogene	0.51880983	0.29539558
ENSMUSG00000097986.4,Gm26953,lncRNA	0.51872608	0.1642819
ENSMUSG00000040372.3,Gpr63,protein_coding	0.51859958	0.00597718
ENSMUSG00000044927.8,H1f10,protein_coding	0.5183234	0.0153638
ENSMUSG00000060044.9,Tmem26,protein_coding	0.51814811	0.33197157
ENSMUSG00000019853.7,Hebp2,protein_coding	0.51808592	0.02236293
ENSMUSG00000028980.15,H6pd,protein_coding	0.51808285	0.00234146
ENSMUSG00000028222.3,Calb1,protein_coding	0.51796563	0.01847135
ENSMUSG00000051146.4,Camk2n2,protein_coding	0.51777586	0.00900673
ENSMUSG00000121208.2,Gm56917,lncRNA	0.51765808	0.06377128
ENSMUSG00000067924.5,Rtl8b,protein_coding	0.51731328	0.00289285
ENSMUSG00000107667.4,C530044C16Rik,lncRNA	0.51720221	0.17485161
ENSMUSG00000029161.9,Cgref1,protein_coding	0.51652971	0.04996721
ENSMUSG00000029189.11,Sel1l3,protein_coding	0.51640135	0.00492605
ENSMUSG00000004105.9,Angptl2,protein_coding	0.51622277	0.0214975
ENSMUSG00000028747.11,Htr6,protein_coding	0.51540594	0.15213208
ENSMUSG00000038255.7,Neurod2,protein_coding	0.51539293	0.01290923
ENSMUSG00000091617.10,Gm3752,protein_coding	0.51539197	0.43173324
ENSMUSG00000038776.14,Ephx1,protein_coding	0.51517512	0.00216092
ENSMUSG00000074971.5,Fibin,protein_coding	0.51517428	0.07477509
ENSMUSG00000118234.2,Gm50115,lncRNA	0.51512373	0.07583214
ENSMUSG00000093387.3,Gm20732,lncRNA	0.51496138	0.16733498
ENSMUSG00000134447.1,ENSMUSG00000134447,lncRNA	0.51492137	0.45901116
ENSMUSG00000062391.5,4932435O22Rik,lncRNA	0.51411235	0.07153766
ENSMUSG00000054057.4,A930004D18Rik,lncRNA	0.51365742	0.00911502
ENSMUSG00000040759.10,Cmtm5,protein_coding	0.51362302	0.00017159
ENSMUSG00000026479.14,Lamc2,protein_coding	0.51350778	0.01741948
ENSMUSG00000044628.6,Rnf208,protein_coding	0.51340236	0.00676773
ENSMUSG00000110086.2,Smim32,protein_coding	0.51334655	0.16940231
ENSMUSG00000028862.7,Map3k6,protein_coding	0.51332845	0.41505498
ENSMUSG00000046561.10,Arsj,protein_coding	0.51323347	0.15285755
ENSMUSG00000027965.16,Olfm3,protein_coding	0.51314167	0.03447182
ENSMUSG00000040794.6,C1qtnf4,protein_coding	0.51312096	0.021791

ENSMUSG00000031883.14,Car7,protein_coding	0.51307003	0.01052373
ENSMUSG00000021951.8,Eef1akmt1,protein_coding	0.51241932	0.00999145
ENSMUSG00002074913.1,Gm55956,misc_RNA	0.51234887	0.1356133
ENSMUSG00000044134.10,Pheta1,protein_coding	0.51227824	0.00345409
ENSMUSG00000062012.15,Zfp13,protein_coding	0.51198912	0.00376529
ENSMUSG00000078247.8,Airn,lncRNA	0.51171167	0.15054892
ENSMUSG00000040752.17,Myh6,protein_coding	0.51150123	0.23225644
ENSMUSG00000032890.18,Rims3,protein_coding	0.5114798	0.00105764
ENSMUSG00000118340.3,Gm50301,lncRNA	0.51115772	0.38603056
ENSMUSG00000032611.10,1700102P08Rik,protein_coding	0.51072334	0.1102774
ENSMUSG00000113052.3,Gm31513,lncRNA	0.51070537	0.03825965
ENSMUSG00000029861.18,Fam131b,protein_coding	0.51067655	0.0005564
ENSMUSG00000144090.1,ENSMUSG00000144090,lncRNA	0.51033796	0.24515068
ENSMUSG00000097162.5,2310010J17Rik,lncRNA	0.51003811	0.04880642
ENSMUSG00000025582.5,Nptx1,protein_coding	0.50991507	0.01870236
ENSMUSG00000029059.10,Prxl2b,protein_coding	0.50976507	0.00175227
ENSMUSG00000115220.2,Gm49768,lncRNA	0.50936739	0.03648848
ENSMUSG00000073435.11,Nme3,protein_coding	0.50921646	0.03677374
ENSMUSG00000051067.9,Lingo3,protein_coding	0.50908384	0.00338899
ENSMUSG00000113429.4,Gm20063,lncRNA	0.50907299	0.05797693
ENSMUSG00000029419.9,Ajm1,protein_coding	0.50875781	0.00591611
ENSMUSG00000029096.16,Htra3,protein_coding	0.50838488	0.01094303
ENSMUSG00000096221.5,1500002C15Rik,lncRNA	0.50825657	0.00592955
ENSMUSG00000026468.15,Lhx4,protein_coding	0.50823287	0.74054044
ENSMUSG00000021186.10,Fbln5,protein_coding	0.50770853	0.05946686
ENSMUSG00000116347.2,Gm49416,protein_coding	0.50749547	0.62411079
ENSMUSG00000026163.18,Sphkap,protein_coding	0.50746605	0.00560945
ENSMUSG00000041598.8,Cdc42ep4,protein_coding	0.50740833	0.00031518
ENSMUSG00000117375.3,Gm33373,lncRNA	0.50711898	0.10670488
ENSMUSG00000055053.19,Nfic,protein_coding	0.50704056	0.00046262
ENSMUSG00000070047.15,Fat1,protein_coding	0.50687879	0.00866497
ENSMUSG00000010066.17,Cacna2d2,protein_coding	0.50668997	0.00095551
ENSMUSG00000043587.16,Pxylp1,protein_coding	0.50665221	0.01407375
ENSMUSG00000031980.11,Agt,protein_coding	0.50629973	0.09253469
ENSMUSG00000071424.11,Grid2,protein_coding	0.50626631	0.01877778
ENSMUSG00000099647.2,Gm5776,processed_pseudogene	0.50624347	0.41281312
ENSMUSG00000031323.9,Dmrtc1a,protein_coding	0.50597227	0.16427731
ENSMUSG00000040703.12,Cyp2s1,protein_coding	0.50594891	0.01620091
ENSMUSG00000048450.11,Msx1,protein_coding	0.50574279	0.14058856
ENSMUSG00000030739.20,Myh14,protein_coding	0.50556395	0.00158658
ENSMUSG00000020926.17,Adam11,protein_coding	0.50541783	0.00646884
ENSMUSG00000118057.2,B020010K11Rik,lncRNA	0.50533443	0.01586471
ENSMUSG00000018822.8,Sfrp5,protein_coding	0.50487274	0.34558321
ENSMUSG00000026494.13,Kif26b,protein_coding	0.50469639	0.00457174
ENSMUSG00000114419.2,5430414B19Rik,lncRNA	0.50407358	0.22517081
ENSMUSG00000028753.13,Vwa5b1,protein_coding	0.50407212	0.25185314
ENSMUSG00000081026.2,Gm11855,processed_pseudogene	0.50325958	0.23565715
ENSMUSG00000105761.2,Gm43787,TEC	0.50274562	0.02527543
ENSMUSG00000115783.4,Bc1,lncRNA	0.50228842	0.012094
ENSMUSG00000020592.16,Sdc1,protein_coding	0.50225825	0.20865588
ENSMUSG00000120483.2,Gm57264,lncRNA	0.50176652	0.17934727
ENSMUSG00000065947.1,mt-Nd4l,protein_coding	0.50151778	0.04702729

ENSMUSG00000120361.2,Gm56889,lncRNA	0.50148694	0.11711426
ENSMUSG00000103309.2,BC037039,lncRNA	0.50137446	0.05313192
ENSMUSG00000061802.7,Odad2,protein_coding	0.50087228	0.24077377
ENSMUSG00000026649.15,Cfap126,protein_coding	0.50081237	0.28614615
ENSMUSG00000098128.3,Gm3693,lncRNA	0.49990927	0.16830648
ENSMUSG00000020019.5,Ntn4,protein_coding	0.49988436	0.00854497
ENSMUSG00000017897.19,Eya2,protein_coding	0.49987863	0.02799775
ENSMUSG00000023938.9,Aars2,protein_coding	0.49937477	0.00061037
ENSMUSG00000036073.19,Galt,protein_coding	0.49910218	0.00132801
ENSMUSG00000048001.8,Hes5,protein_coding	0.49898682	0.13568642
ENSMUSG00000126356.1,ENSMUSG00000126356,lncRNA	0.49896482	0.29130542
ENSMUSG00000131217.1,ENSMUSG00000131217,lncRNA	0.49858525	0.08122227
ENSMUSG00000032735.16,Ablim3,protein_coding	0.49844375	0.01468497
ENSMUSG00000028958.16,Tmub1,protein_coding	0.49781915	0.00194617
ENSMUSG00000084088.2,Gm12941,processed_pseudogene	0.4977845	0.29227575
ENSMUSG00000045730.5,Adrb2,protein_coding	0.49777993	0.03812796
ENSMUSG00000033768.18,Nrxn2,protein_coding	0.49741042	0.00100714
ENSMUSG00000049285.5,Mblac1,protein_coding	0.49695283	0.03679401
ENSMUSG00000054545.18,Ugt1a6a,protein_coding	0.49665676	0.4102886
ENSMUSG00000102224.7,4930447F24Rik,lncRNA	0.49652526	0.36132653
ENSMUSG00000050211.15,Pla2g4e,protein_coding	0.49634026	0.00251229
ENSMUSG00000051965.9,Nanos2,protein_coding	0.4962033	0.1650791
ENSMUSG00000056158.15,Car10,protein_coding	0.49619824	0.00089212
ENSMUSG00000097271.2,Gm9903,lncRNA	0.49613606	0.15318841
ENSMUSG00000060275.15,Nrg2,protein_coding	0.49609807	0.01320289
ENSMUSG00000032818.17,Loxhd1,protein_coding	0.49578797	0.33467355
ENSMUSG00000108207.4,1810059H22Rik,lncRNA	0.49573443	0.08711468
ENSMUSG00000075591.4,Gm10874,lncRNA	0.49565237	0.04480388
ENSMUSG00000102748.2,Pcdhgb2,protein_coding	0.49523297	0.00253731
ENSMUSG00000001815.16,Evx2,protein_coding	0.49513543	0.5357972
ENSMUSG00000039395.9,Mreg,protein_coding	0.49508866	0.01980471
ENSMUSG00000102615.2,Gm37844,TEC	0.49496075	0.04309853
ENSMUSG00000071856.11,Mcc,protein_coding	0.4946628	0.00102394
ENSMUSG00000028943.19,Espn,protein_coding	0.49427037	0.04938994
ENSMUSG00000037960.12,Card19,protein_coding	0.49374681	0.01585872
ENSMUSG00000097113.10,Gm19705,lncRNA	0.49353744	0.07439411
ENSMUSG00000042757.17,Tmem108,protein_coding	0.49343575	0.00877327
ENSMUSG00000107374.2,Gm43172,TEC	0.4929806	0.11720253
ENSMUSG00000028773.9,Fabp3,protein_coding	0.49290118	0.01153327
ENSMUSG00000019876.16,Pkib,protein_coding	0.49282498	0.15534338
ENSMUSG00000069806.6,Cacng7,protein_coding	0.49268222	0.00062747
ENSMUSG00000025645.9,Ccdc51,protein_coding	0.49252483	0.01664269
ENSMUSG00000071604.6,Entrep1,protein_coding	0.49251745	0.00647778
ENSMUSG00000027257.14,Pacsin3,protein_coding	0.49122251	0.0025485
ENSMUSG00000032495.9,Lrrc2,protein_coding	0.49112621	0.10373547
ENSMUSG00000121097.2,Gm57002,lncRNA	0.49100746	0.18950052
ENSMUSG00000112390.4,Gm20208,lncRNA	0.49044335	0.23034872
ENSMUSG00000025407.8,Gli1,protein_coding	0.4903103	0.03986698
ENSMUSG00000039943.17,Plcb4,protein_coding	0.49014256	0.00299635
ENSMUSG00000020889.12,Nr1d1,protein_coding	0.48981501	0.00283606
ENSMUSG00000086555.4,Gm13446,lncRNA	0.48980097	0.06501266
ENSMUSG00000022763.19,Aifm3,protein_coding	0.48969943	0.00292691

ENSMUSG00000036570.15,Fxyd1,protein_coding	0.48965089	0.00583333
ENSMUSG00000128068.1,ENSMUSG00000128068,lncRNA	0.4896448	0.15847833
ENSMUSG00000110471.2,Gm45823,lncRNA	0.48957139	0.07499289
ENSMUSG00000084989.4,Crocc2,protein_coding	0.48878909	0.44168847
ENSMUSG00000100396.2,Gm29367,lncRNA	0.48846201	0.09297566
ENSMUSG00000086602.2,Gm15609,lncRNA	0.48831222	0.09793084
ENSMUSG00000130149.1,ENSMUSG00000130149,lncRNA	0.48819763	0.33733048
ENSMUSG00000026930.16,Gpsm1,protein_coding	0.48792489	0.00412004
ENSMUSG00000042631.8,Xkr7,protein_coding	0.48758829	0.03828871
ENSMUSG00000045174.11,Amer3,protein_coding	0.48735805	0.00152522
ENSMUSG00000110187.2,Gm45496,TEC	0.48646398	0.06444212
ENSMUSG00000037031.11,Tspan15,protein_coding	0.48637201	0.00022835
ENSMUSG00000091498.5,Mpc1-ps,processed_pseudogene	0.48610203	0.20713181
ENSMUSG00000103832.2,Gm37611,TEC	0.48600114	0.15088623
ENSMUSG00000132379.1,ENSMUSG00000132379,lncRNA	0.48592064	0.05464742
ENSMUSG00000096472.3,Cdkn2d,protein_coding	0.48568722	0.00023711
ENSMUSG00000103540.2,Gm37668,TEC	0.48567015	0.174842
ENSMUSG00000107199.2,Gm42550,TEC	0.48562546	0.03881781
ENSMUSG00000086228.4,Ubap1l,protein_coding	0.48511764	0.02501734
ENSMUSG00000030600.16,Lrfn1,protein_coding	0.4851035	0.00806205
ENSMUSG00000091686.3,4930471C04Rik,lncRNA	0.48488658	0.17107893
ENSMUSG00000021375.12,Kif13a,protein_coding	0.48476652	0.00054113
ENSMUSG00000016624.16,Phf21b,protein_coding	0.48457462	0.00971768
ENSMUSG00000039556.17,Ppp1r3f,protein_coding	0.48452079	0.0282073
ENSMUSG00000082210.2,Gm14382,processed_pseudogene	0.48363839	0.15614078
ENSMUSG00000074219.5,Gm10644,lncRNA	0.48303649	0.03879158
ENSMUSG00000031549.17,Ido2,protein_coding	0.48295183	0.06606561
ENSMUSG00000036395.16,Glb1l2,protein_coding	0.48262932	0.26861363
ENSMUSG00000035226.6,Rims4,protein_coding	0.48259959	0.00203932
ENSMUSG00000001552.15,Jup,protein_coding	0.48256041	0.01235535
ENSMUSG00000141500.1,ENSMUSG00000141500,lncRNA	0.48232582	0.20290328
ENSMUSG00000091586.3,Cyp4f17,protein_coding	0.48183807	0.02078886
ENSMUSG00000006014.18,Prg4,protein_coding	0.48171827	0.21382029
ENSMUSG00000039179.14,Tekt5,protein_coding	0.48147115	0.07199015
ENSMUSG00000005338.15,Cadm3,protein_coding	0.48146612	0.00392998
ENSMUSG00000078532.10,Nkain1,protein_coding	0.48116252	0.02033556
ENSMUSG00000097761.3,4930534D22Rik,lncRNA	0.48115922	0.18115212
ENSMUSG00000071665.11,Foxr2,protein_coding	0.48102591	0.16524187
ENSMUSG00000066607.6,Insyn1,protein_coding	0.48089288	0.0052669
ENSMUSG00000046818.8,Ddit4l,protein_coding	0.480869	0.19848519
ENSMUSG00000039278.11,Pcsk1n,protein_coding	0.48084029	0.02192834
ENSMUSG00000116114.4,Gm35853,lncRNA	0.48074841	0.31155859
ENSMUSG00000119552.1,Gm22798,snRNA	0.48044258	0.1157991
ENSMUSG00000036989.17,Trim3,protein_coding	0.48039996	0.00074774
ENSMUSG00000029360.4,Gm9754,lncRNA	0.48034432	0.0847841
ENSMUSG00000030110.14,Ret,protein_coding	0.4802997	0.09105235
ENSMUSG00000136769.1,ENSMUSG00000136769,lncRNA	0.48023392	0.08698988
ENSMUSG00000104687.2,Gm42899,TEC	0.48013371	0.11032563
ENSMUSG00000024579.8,Pcyox1l,protein_coding	0.48013113	0.00035885
ENSMUSG00000020866.18,Cacna1g,protein_coding	0.48006465	0.01158812
ENSMUSG00000028445.8,Enho,protein_coding	0.47973646	0.0269023
ENSMUSG00000118915.1,Gm23140,snRNA	0.47963377	0.18842315

ENSMUSG00000039109.18,F13a1,protein_coding	0.47952697	0.33195797
ENSMUSG00000030111.10,A2m,protein_coding	0.4794515	0.1463231
ENSMUSG00000027716.14,Trpc3,protein_coding	0.47935243	0.00393435
ENSMUSG00000023904.11,Hcfc1r1,protein_coding	0.47908027	0.00735617
ENSMUSG00000024190.8,Dusp1,protein_coding	0.47861595	0.02414285
ENSMUSG00000143086.1,ENSMUSG00000143086,lncRNA	0.47857949	0.15586775
ENSMUSG00000118269.2,Gm50195,TEC	0.47794532	0.31681002
ENSMUSG00000113587.3,Gm36287,lncRNA	0.47779071	0.1020578
ENSMUSG00000060882.6,Kcnd2,protein_coding	0.47761395	0.00150773
ENSMUSG00000133146.1,ENSMUSG00000133146,lncRNA	0.47735693	0.03800413
ENSMUSG00000006435.17,Neurl1a,protein_coding	0.47735658	0.00360353
ENSMUSG00000020704.14,Asic2,protein_coding	0.47691075	0.00176964
ENSMUSG00000031849.10,Comp,protein_coding	0.47669794	0.37051907
ENSMUSG00000032033.12,Barx2,protein_coding	0.47651396	0.15056437
ENSMUSG00000031772.18,Cntnap4,protein_coding	0.47641857	0.00292369
ENSMUSG00000025875.15,Tspan17,protein_coding	0.47631454	0.00795973
ENSMUSG00000114121.3,Gm47728,lncRNA	0.47591317	0.45231829
ENSMUSG00000003665.8,Has1,protein_coding	0.4754719	0.21250539
ENSMUSG00000096054.4,Syne1,protein_coding	0.47480748	0.01013213
ENSMUSG00000091243.3,Vgll3,protein_coding	0.47477501	0.32168706
ENSMUSG00000033208.8,S100b,protein_coding	0.47477087	0.00089166
ENSMUSG00000103332.2,Pcdhga2,protein_coding	0.47475982	0.00825686
ENSMUSG00000021257.16,Angel1,protein_coding	0.47423177	0.00602613
ENSMUSG00000062098.12,Btbd3,protein_coding	0.47404636	0.00319946
ENSMUSG00000060240.14,Cend1,protein_coding	0.4740335	0.00067497
ENSMUSG00000062753.15,Smim29,protein_coding	0.47378488	0.00664343
ENSMUSG00000087200.3,Lrp8os3,lncRNA	0.47375189	0.09681689
ENSMUSG00000001741.13,Il16,protein_coding	0.47364071	0.18857862
ENSMUSG00000035431.6,Sstr1,protein_coding	0.4734663	0.05133998
ENSMUSG00000050271.13,Prag1,protein_coding	0.47289975	0.00264415
ENSMUSG00000107097.2,Gm42584,processed_pseudogene	0.47279219	0.28719651
ENSMUSG00000036578.8,Fxyd7,protein_coding	0.47258092	0.06692319
ENSMUSG00000001943.9,Vsig2,protein_coding	0.47243384	0.04481137
ENSMUSG00000007888.16,Crlf1,protein_coding	0.47236964	0.34269086
ENSMUSG00000029361.19,Nos1,protein_coding	0.47188497	0.01337988
ENSMUSG00000028464.17,Tpm2,protein_coding	0.47160995	0.00725149
ENSMUSG00000029651.17,Mtus2,protein_coding	0.47159196	0.00187841
ENSMUSG00000139364.1,ENSMUSG00000139364,lncRNA	0.47157327	0.24449929
ENSMUSG00000039328.12,Rnf122,protein_coding	0.471535	0.08392621
ENSMUSG00000022759.16,Lrrc74b,protein_coding	0.47142087	0.31440906
ENSMUSG00000036957.9,Lrfn3,protein_coding	0.4713828	0.00710622
ENSMUSG00000039543.17,Cfap70,protein_coding	0.47137547	0.3035584
ENSMUSG00000107068.2,Gm42742,protein_coding	0.4712891	0.09632328
ENSMUSG00000028850.3,Gpatch3,protein_coding	0.47091572	0.05939903
ENSMUSG00000038128.8,Camk4,protein_coding	0.47087199	0.01121509
ENSMUSG00000030970.17,Ctbp2,protein_coding	0.47086652	0.01360499
ENSMUSG00000020810.6,Cygb,protein_coding	0.47063075	0.01040319
ENSMUSG00000005699.17,Pard6a,protein_coding	0.47062346	0.00576294
ENSMUSG00000120996.2,Gm56817,lncRNA	0.47057107	0.07342532
ENSMUSG00000007207.11,Stx1a,protein_coding	0.47053287	0.08330094
ENSMUSG00000034071.16,Zfp551,protein_coding	0.47047063	0.02740528
ENSMUSG00000086606.2,Gm13205,lncRNA	0.47040991	0.22232872

ENSMUSG00000117900.3,Gm50323,lncRNA	0.47018182	0.0725186
ENSMUSG00000048332.14,Lhfpl6,protein_coding	0.46989985	0.03478369
ENSMUSG00000124449.1,ENSMUSG00000124449,lncRNA	0.46962615	0.2205991
ENSMUSG00000036923.13,Stox1,protein_coding	0.46950809	0.04882847
ENSMUSG00000105053.2,Gm43064,protein_coding	0.46950652	0.59351733
ENSMUSG00000003644.18,Rps6ka1,protein_coding	0.46914908	0.08072941
ENSMUSG00000112937.3,Gm17746,lncRNA	0.46913054	0.24582835
ENSMUSG00000091639.3,Gm3756,processed_pseudogene	0.46873457	0.15109332
ENSMUSG00000139155.1,ENSMUSG00000139155,lncRNA	0.46813749	0.15945794
ENSMUSG00000140548.1,ENSMUSG00000140548,lncRNA	0.46791716	0.08413455
ENSMUSG00000131593.1,ENSMUSG00000131593,lncRNA	0.46784499	0.0560697
ENSMUSG00000084849.2,Gm16105,lncRNA	0.46767281	0.23558415
ENSMUSG00000044139.13,Prss53,protein_coding	0.46759724	0.19807155
ENSMUSG00000109645.2,Gm45246,processed_pseudogene	0.46754874	0.15686946
ENSMUSG00000032609.13,Klhdc8b,protein_coding	0.46695339	0.01777905
ENSMUSG00000028555.16,Ttc39a,protein_coding	0.46693941	0.03895414
ENSMUSG00000105976.2,Gm42782,TEC	0.46689635	0.21523681
ENSMUSG00000079444.10,Gm21981,protein_coding	0.46594887	0.15003775
ENSMUSG00000045064.6,Zc2hc1c,protein_coding	0.46557232	0.08287739
ENSMUSG00000112484.3,4930473O22Rik,lncRNA	0.46539779	0.50948455
ENSMUSG00000119989.2,Gm39213,lncRNA	0.46529471	0.34957121
ENSMUSG00000022061.9,Nkx3-1,protein_coding	0.46522153	0.21100202
ENSMUSG00000024168.9,Tmem204,protein_coding	0.46508775	0.06485411
ENSMUSG00000037386.17,Rims2,protein_coding	0.46497086	0.00124351
ENSMUSG00000037306.15,Man1c1,protein_coding	0.46490021	0.00120919
ENSMUSG00000044548.12,Dact1,protein_coding	0.46489969	0.04679106
ENSMUSG00000040140.16,Tdrd6,protein_coding	0.46481427	0.01503796
ENSMUSG00000002804.5,Nudt14,protein_coding	0.4647179	0.09075598
ENSMUSG00000029185.15,Fam114a1,protein_coding	0.46450923	0.01068391
ENSMUSG00000035585.17,Tsen34,protein_coding	0.46406464	0.00433443
ENSMUSG00000096950.4,Gm9530,lncRNA	0.46388171	0.31135872
ENSMUSG00000025478.16,Dpysl4,protein_coding	0.46378398	0.01573644
ENSMUSG00000142916.1,ENSMUSG00000142916,lncRNA	0.46372067	0.22023467
ENSMUSG00000001334.11,Fndc5,protein_coding	0.46363816	0.00066687
ENSMUSG00000035407.9,Kank4,protein_coding	0.46351509	0.03426433
ENSMUSG00000040569.14,Slc26a7,protein_coding	0.4630418	0.19522136
ENSMUSG00000102665.2,Gm38379,TEC	0.4628528	0.109272
ENSMUSG00000041025.16,Iffo2,protein_coding	0.46165923	0.00344085
ENSMUSG00000007036.16,Abhd16a,protein_coding	0.46157919	0.00369514
ENSMUSG00000040964.17,Arhgef10l,protein_coding	0.46144869	0.00711227
ENSMUSG00000141534.1,ENSMUSG00000141534,lncRNA	0.46135351	0.15173657
ENSMUSG00000001911.17,Nfix,protein_coding	0.46108243	0.0044468
ENSMUSG00000033763.15,Mtss2,protein_coding	0.46059046	0.00242074
ENSMUSG00000025169.7,Ogfod3,protein_coding	0.46046709	0.0433263
ENSMUSG00000120335.2,A630066F11Rik,lncRNA	0.46040049	0.27718253
ENSMUSG00000070287.4,Slc35g2,protein_coding	0.46014688	0.00886467
ENSMUSG00000108608.3,Gm6916,transcribed_processed_pseudogene	0.45997626	0.42817377
ENSMUSG00000039154.9,Shd,protein_coding	0.4594533	0.02482999
ENSMUSG00000031170.15,Slc38a5,protein_coding	0.45917143	0.24010977
ENSMUSG00000110390.3,Gm45869,lncRNA	0.45891325	0.02580472
ENSMUSG00000042846.9,Lrrtm3,protein_coding	0.45888993	0.00126031
ENSMUSG00000087501.3,Gm12116,lncRNA	0.45835126	0.64666695

ENSMUSG00000131652.1,ENSMUSG00000131652,lncRNA	0.45791486	0.10885527
ENSMUSG00000025545.11,Clybl,protein_coding	0.45790499	0.03784354
ENSMUSG00000029843.5,Slc13a4,protein_coding	0.45784416	0.0395141
ENSMUSG00000140331.1,Gm19439,lncRNA	0.45779391	0.15970862
ENSMUSG00000032268.14,Tmprss5,protein_coding	0.45769819	0.10614173
ENSMUSG00000117600.2,Gm50094,TEC	0.45757874	0.19202476
ENSMUSG00000029126.8,Nsg1,protein_coding	0.4572981	0.00015629
ENSMUSG00000018537.17,Pcgf2,protein_coding	0.4571305	0.00286716
ENSMUSG00000019906.16,Lin7a,protein_coding	0.45696584	0.01802828
ENSMUSG00000059824.13,Dbp,protein_coding	0.45683393	0.01096215
ENSMUSG00000035964.9,Tmem59l,protein_coding	0.4567176	0.00995067
ENSMUSG00000056313.6,Tcim,protein_coding	0.45654763	0.24658633
ENSMUSG00000085908.2,Gm14209,lncRNA	0.45615127	0.32551307
ENSMUSG00000115248.2,Gm49037,processed_pseudogene	0.45558923	0.73673708
ENSMUSG00000016150.16,Tenm1,protein_coding	0.45514308	0.00347298
ENSMUSG00000031376.16,Atp2b3,protein_coding	0.45481737	0.00103353
ENSMUSG00000097891.2,Gm3650,unprocessed_pseudogene	0.45442329	0.22652348
ENSMUSG00000046714.8,Foxc2,protein_coding	0.45441058	0.27116762
ENSMUSG00000049097.10,Ankrd34a,protein_coding	0.45423749	0.01772265
ENSMUSG00000097929.10,Tunar,protein_coding	0.45392845	0.00428331
ENSMUSG00000091510.7,Mtag2,lncRNA	0.45389254	0.1719612
ENSMUSG00000120175.2,Gm56912,lncRNA	0.4538849	0.03893833
ENSMUSG00000024862.17,Klc2,protein_coding	0.45381568	0.00230584
ENSMUSG00000126475.1,ENSMUSG00000126475,lncRNA	0.45363854	0.20995589
ENSMUSG00002075983.1,Gm54611,miRNA	0.45342439	0.0578017
ENSMUSG00000051502.8,Ufsp1,protein_coding	0.4531378	0.05334886
ENSMUSG00000001039.13,B9d1,protein_coding	0.45311593	0.008418
ENSMUSG00000097547.10,B230110C06Rik,lncRNA	0.45309106	0.08375792
ENSMUSG00000034839.6,Larp6,protein_coding	0.45300393	0.00092598
ENSMUSG00000041199.4,Rpusd1,protein_coding	0.45276026	0.00487771
ENSMUSG00000044164.3,Rnf182,protein_coding	0.45274839	0.07708636
ENSMUSG00000143884.1,ENSMUSG00000143884,lncRNA	0.4525439	0.16262034
ENSMUSG00000022428.9,Cby1,protein_coding	0.45236221	0.0001828
ENSMUSG00000029723.17,Tsc22d4,protein_coding	0.45222169	0.00183121
ENSMUSG00000047371.8,Zfp768,protein_coding	0.45125248	0.00437106
ENSMUSG00000017737.3,Mmp9,protein_coding	0.45124207	0.11705075
ENSMUSG00000042109.9,Csdc2,protein_coding	0.45120323	0.00421989
ENSMUSG00000033871.15,Ppargc1b,protein_coding	0.45114183	0.00254565
ENSMUSG00000026424.9,Gpr37l1,protein_coding	0.45111935	0.00055899
ENSMUSG00000002379.8,Ndufa11,protein_coding	0.45101284	0.0339272
ENSMUSG00000020327.5,Fgf22,protein_coding	0.45075762	0.03767047
ENSMUSG00000029710.16,Ephb4,protein_coding	0.45035133	0.01710221
ENSMUSG00000111934.2,Gm48123,TEC	0.45025731	0.23531682
ENSMUSG00000025013.16,Tll2,protein_coding	0.44996748	0.1012023
ENSMUSG00000108384.2,Gm45082,TEC	0.4497533	0.1648698
ENSMUSG00000038963.16,Slco4a1,protein_coding	0.44954906	0.08402718
ENSMUSG00000036766.13,Dner,protein_coding	0.44930332	0.00315449
ENSMUSG00000025348.11,Itga7,protein_coding	0.4490074	0.04845767
ENSMUSG00000106887.2,A930005G22Rik,TEC	0.44888362	0.14971062
ENSMUSG00000029055.18,Plch2,protein_coding	0.44867641	0.01909758
ENSMUSG00000104374.2,Gm37517,TEC	0.44864898	0.16373511
ENSMUSG00000020263.15,Appl2,protein_coding	0.44857743	0.02785383

ENSMUSG00000061086.13,Myl4,protein_coding	0.448568	0.19616334
ENSMUSG00000042751.15,Nmnat2,protein_coding	0.4484372	9.6766E-05
ENSMUSG00000121374.2,Gm57504,lncRNA	0.44837101	0.05750642
ENSMUSG00000039079.2,Trhr2,protein_coding	0.44831604	0.14745335
ENSMUSG00000058740.15,Kcnt1,protein_coding	0.44804352	0.01024002
ENSMUSG00000105946.2,Gm43776,TEC	0.44800425	0.03302183
ENSMUSG00000064325.5,Hhip,protein_coding	0.4476206	0.02291554
ENSMUSG00000097440.4,Gm6277,lncRNA	0.44747922	0.00434409
ENSMUSG00000032845.17,Alpk2,protein_coding	0.44745403	0.14707044
ENSMUSG00000030092.15,Cntn6,protein_coding	0.44743642	0.01726212
ENSMUSG00000112035.3,Gm30539,lncRNA	0.44736694	0.25915736
ENSMUSG00000034656.19,Cacna1a,protein_coding	0.44735508	0.00513172
ENSMUSG00000122495.1,ENSMUSG00000122495,lncRNA	0.44734976	0.1188048
ENSMUSG00000116597.3,Gm536,lncRNA	0.44708732	0.43162976
ENSMUSG00000015653.14,Steap2,protein_coding	0.44695346	0.00718619
ENSMUSG00000024245.5,Tmem178,protein_coding	0.44694497	0.02580869
ENSMUSG00000032376.13,Usp3,protein_coding	0.44681358	0.09074313
ENSMUSG00000025350.16,Rdh5,protein_coding	0.44665711	0.05100721
ENSMUSG00000127923.1,ENSMUSG00000127923,lncRNA	0.446641	0.57742968
ENSMUSG00000043621.14,Ubxn10,protein_coding	0.4464168	0.19343379
ENSMUSG00000008384.9,Sertad1,protein_coding	0.44637942	0.04496162
ENSMUSG00000120875.2,A830021M18Rik,lncRNA	0.44625173	0.30259328
ENSMUSG00000001988.10,Npas1,protein_coding	0.44573848	0.12256976
ENSMUSG00000038178.17,Slc43a2,protein_coding	0.44564279	0.00073139
ENSMUSG00000001930.18,Vwf,protein_coding	0.44554993	0.08467259
ENSMUSG00000056665.3,Them6,protein_coding	0.44553352	0.00591696
ENSMUSG00000002489.17,Tiam1,protein_coding	0.4453465	0.00961888
ENSMUSG00000067158.10,Col4a4,protein_coding	0.44464578	0.16064188
ENSMUSG00000038264.9,Sema7a,protein_coding	0.4443593	0.00012016
ENSMUSG00000056598.18,Drc3,protein_coding	0.44427045	0.03283756
ENSMUSG00000066129.18,Kndc1,protein_coding	0.44395771	0.00144289
ENSMUSG00000131183.1,ENSMUSG00000131183,lncRNA	0.44385816	0.00261274
ENSMUSG00000027950.8,Chrnb2,protein_coding	0.44381745	0.00058473
ENSMUSG00000073650.10,Catip,protein_coding	0.44336385	0.08059075
ENSMUSG00000041703.8,Zic5,protein_coding	0.44286116	0.09295107
ENSMUSG00000084883.3,Ccdc85c,protein_coding	0.44279374	0.00125987
ENSMUSG00000026829.10,Gbgt1,protein_coding	0.44245638	0.36511153
ENSMUSG00000039838.12,Slc45a1,protein_coding	0.44245486	0.00246404
ENSMUSG00000044288.7,Cnr1,protein_coding	0.44243347	0.02538333
ENSMUSG00000080542.3,Rnu4atac,snRNA	0.44213681	0.07192076
ENSMUSG00000096847.3,Tmem151b,protein_coding	0.44192998	0.00146212
ENSMUSG00000002032.18,Tmem25,protein_coding	0.44190428	0.00039728
ENSMUSG00000019082.19,Slc25a22,protein_coding	0.4418274	0.00791346
ENSMUSG00000079410.5,Gm2897,protein_coding	0.44166905	0.27119475
ENSMUSG00000050248.12,Evc2,protein_coding	0.44162855	0.08040052
ENSMUSG00000117924.2,Tmem223,protein_coding	0.44154462	0.01207878
ENSMUSG00000047658.7,Gal3st3,protein_coding	0.4415213	0.01694005
ENSMUSG00000056214.10,Pard6g,protein_coding	0.44119873	0.04665276
ENSMUSG00000045201.7,Lrrc3b,protein_coding	0.44113531	0.02571319
ENSMUSG00000047591.6,Mafa,protein_coding	0.44107717	0.18095416
ENSMUSG00000050377.9,Il31ra,protein_coding	0.44093654	0.2850955
ENSMUSG00000062151.14,Unc13c,protein_coding	0.44065452	0.00357211

ENSMUSG00000090256.2,Alms1-ps1,transcribed_unprocessed_pseudogene	0.44059464	0.23215507
ENSMUSG00000068706.4,Gm10250,processed_pseudogene	0.44045325	0.18759915
ENSMUSG00000057280.17,Musk,protein_coding	0.440318	0.18598193
ENSMUSG00000002475.17,Abhd3,protein_coding	0.44019672	0.00342217
ENSMUSG00000121879.2,Zfp862-ps,lncRNA	0.44010661	0.00055721
ENSMUSG00000116822.2,Gm41504,TEC	0.44003262	0.27655673
ENSMUSG00000020895.15,Tmem107,protein_coding	0.43984506	0.12889968
ENSMUSG00000025892.17,Gria4,protein_coding	0.43963068	0.00240207
ENSMUSG00000025934.16,Gsta3,protein_coding	0.43953729	0.10276017
ENSMUSG00000045045.8,Lrfn4,protein_coding	0.43942742	0.00766618
ENSMUSG00000020891.12,Alox8,protein_coding	0.43931333	0.05476709
ENSMUSG00000052951.7,C130021I20Rik,lncRNA	0.43891225	0.63657116
ENSMUSG00000031760.10,Mt3,protein_coding	0.4388549	0.01990316
ENSMUSG00000033177.14,Tmprss7,protein_coding	0.43868307	0.04168821
ENSMUSG00000029570.6,Lfng,protein_coding	0.43861249	0.0246984
ENSMUSG00000053930.14,Shisa6,protein_coding	0.43854248	0.07800058
ENSMUSG00000039873.5,Neurl2,protein_coding	0.43836398	0.3238533
ENSMUSG00000056596.9,Trnp1,protein_coding	0.43832239	0.0049069
ENSMUSG00000118287.2,Gm50300,processed_pseudogene	0.43795642	0.10376212
ENSMUSG00000066621.13,Tecpr1,protein_coding	0.43783001	0.00210543
ENSMUSG00000020902.13,Ntn1,protein_coding	0.43763342	0.03587225
ENSMUSG00000039646.6,Vasn,protein_coding	0.43754352	0.03676381
ENSMUSG00000143437.1,ENSMUSG00000143437,lncRNA	0.43741412	0.10348837
ENSMUSG00000047842.8,Diras2,protein_coding	0.43703571	0.00502719
ENSMUSG00000031150.14,Ccdc120,protein_coding	0.43643269	0.01286382
ENSMUSG00000014782.17,Plekhg4,protein_coding	0.43632059	0.07787905
ENSMUSG00000127031.1,ENSMUSG00000127031,lncRNA	0.43621851	0.00179513
ENSMUSG00000028207.19,Asph,protein_coding	0.4362144	0.01059091
ENSMUSG00000119990.2,Gm53610,lncRNA	0.43598203	0.08713031
ENSMUSG00000064294.13,Aox3,protein_coding	0.43597382	0.16174572
ENSMUSG00000121407.1,Gm6345,lncRNA	0.43570863	0.21342504
ENSMUSG00000039741.17,Bahcc1,protein_coding	0.43502836	0.00355121
ENSMUSG00000017943.16,Gdap1l1,protein_coding	0.43487755	0.00630059
ENSMUSG00000038208.14,Pgap3,protein_coding	0.43482449	0.04821704
ENSMUSG00000048385.11,Scrt1,protein_coding	0.4348071	0.00233497
ENSMUSG00000053693.17,Mast1,protein_coding	0.43480684	0.00323429
ENSMUSG00000093979.9,Gm2237,protein_coding	0.43457926	0.23635627
ENSMUSG00000020335.14,Zfp354b,protein_coding	0.43454222	0.05261427
ENSMUSG00000121861.3,ENSMUSG00000121861,lncRNA	0.4341093	0.3901719
ENSMUSG00000000202.10,Btbd17,protein_coding	0.43397434	0.0264984
ENSMUSG00000024790.9,Sac3d1,protein_coding	0.43382595	0.04905546
ENSMUSG00000038888.9,Ctu1,protein_coding	0.43381801	0.0046656
ENSMUSG00000023036.15,Pcdhgc4,protein_coding	0.43375681	0.01063529
ENSMUSG00000033726.9,Emx1,protein_coding	0.43362747	0.17476979
ENSMUSG00000131906.1,ENSMUSG00000131906,lncRNA	0.43352941	0.19453523
ENSMUSG00000086873.3,Gm15672,lncRNA	0.43349217	0.03462486
ENSMUSG00000099041.2,Gm28035,protein_coding	0.43344109	0.34704489
ENSMUSG00000120554.2,Gm57268,lncRNA	0.43308415	0.05748975
ENSMUSG00000050592.9,Fam78a,protein_coding	0.43285217	0.02003064
ENSMUSG00000068264.12,Ap5s1,protein_coding	0.43276405	0.04038568
ENSMUSG00000034685.5,Fam171a2,protein_coding	0.43276193	0.02059726
ENSMUSG00000030048.6,Gkn3,protein_coding	0.43224343	0.33031655

ENSMUSG00000113255.2,Tes3-ps,protein_coding	0.4322383	0.31788482
ENSMUSG00000020467.16,Efemp1,protein_coding	0.43203851	0.04615337
ENSMUSG00000030339.8,Ltbr,protein_coding	0.43178829	0.01124668
ENSMUSG00000130036.1,ENSMUSG00000130036,lncRNA	0.43140413	0.12767067
ENSMUSG00000026831.17,Pierce1,protein_coding	0.43139779	0.30581008
ENSMUSG00000062200.15,Vmn2r7,protein_coding	0.43138927	0.31292679
ENSMUSG00000043670.5,Diras1,protein_coding	0.43116622	0.00493854
ENSMUSG00000044788.11,Fads6,protein_coding	0.43107362	0.01234311
ENSMUSG00000126238.1,ENSMUSG00000126238,lncRNA	0.43101066	0.15381277
ENSMUSG00000035109.15,Shc4,protein_coding	0.43092383	0.01504767
ENSMUSG00000101942.3,Gm19582,lncRNA	0.43065115	0.35283883
ENSMUSG00000123952.1,ENSMUSG00000123952,lncRNA	0.43043328	0.01749862
ENSMUSG00000047085.15,Lrrc4b,protein_coding	0.43021837	0.00103902
ENSMUSG00000030376.9,Slc8a2,protein_coding	0.43013766	0.02328348
ENSMUSG00000027134.5,Lpcat4,protein_coding	0.43007876	0.00058873
ENSMUSG00000067860.12,Zic3,protein_coding	0.43006942	0.03288349
ENSMUSG00000107439.3,Gm45060,lncRNA	0.42999163	0.26269848
ENSMUSG00000127953.1,ENSMUSG00000127953,lncRNA	0.42977184	0.14162244
ENSMUSG00000117710.3,Gm10817,lncRNA	0.42942045	0.11345141
ENSMUSG00000089730.4,1700007P06Rik,lncRNA	0.42922672	0.32209076
ENSMUSG00000074811.4,Hps6,protein_coding	0.42919835	0.01496807
ENSMUSG00000041565.19,L3mbtl4,protein_coding	0.42893006	0.12152994
ENSMUSG00000023266.12,Frs3,protein_coding	0.42875282	0.03243105
ENSMUSG00000019689.5,Fmc1,protein_coding	0.42859398	0.04730216
ENSMUSG00000029026.18,Trp73,protein_coding	0.42839887	0.19866894
ENSMUSG00000033595.8,Lgi3,protein_coding	0.42838513	0.00057904
ENSMUSG00000118029.2,Gm55328,TEC	0.42828912	0.12294395
ENSMUSG00000020473.14,Aebp1,protein_coding	0.4280327	0.09198853
ENSMUSG00000029718.15,Pcolce,protein_coding	0.42789865	0.1748198
ENSMUSG00000035314.11,Gdpd5,protein_coding	0.42780735	0.002886
ENSMUSG00000097328.8,Tnfsf12,protein_coding	0.42776256	0.01443272
ENSMUSG00000039851.12,Epcip,protein_coding	0.42766444	0.05114501
ENSMUSG00000032131.17,Abcg4,protein_coding	0.42753863	0.00785813
ENSMUSG00000134561.1,ENSMUSG00000134561,lncRNA	0.42753059	0.02678604
ENSMUSG00000042078.15,Svop,protein_coding	0.42743993	0.01264643
ENSMUSG00000038555.8,Reep2,protein_coding	0.42730453	0.00371581
ENSMUSG00000042256.6,Ptchd4,protein_coding	0.42728909	0.00153965
ENSMUSG00000022861.18,Dgkg,protein_coding	0.42725268	0.04109155
ENSMUSG00000035064.18,Eef2k,protein_coding	0.42699869	0.00313101
ENSMUSG00000020083.15,Fam241b,protein_coding	0.42695431	0.00375643
ENSMUSG00000028434.13,Epb41l4b,protein_coding	0.42672828	0.00181613
ENSMUSG00000080712.5,H2bc26,protein_coding	0.4266041	0.36922074
ENSMUSG00000030519.15,Apba2,protein_coding	0.42657393	0.00489662
ENSMUSG00000144159.1,ENSMUSG00000144159,lncRNA	0.42624879	0.12423626
ENSMUSG00000040138.8,Ndp,protein_coding	0.42615027	0.02186544
ENSMUSG00000037348.16,Paqr7,protein_coding	0.42611333	0.01166023
ENSMUSG00000090122.4,Kcne5,protein_coding	0.42601832	0.11999095
ENSMUSG00000045176.4,Borcs6,protein_coding	0.42596569	0.01761499
ENSMUSG00000063802.6,Hspbp1,protein_coding	0.42589269	0.01864711
ENSMUSG00000031994.14,Adamts8,protein_coding	0.42582463	0.07104338
ENSMUSG00000007817.16,Zmiz1,protein_coding	0.42564076	0.00227627
ENSMUSG00000000627.16,Sema4f,protein_coding	0.42532776	0.01029749

ENSMUSG00000038860.16,Garnl3,protein_coding	0.42531167	0.00037016
ENSMUSG00000115263.3,Gm5089,lncRNA	0.42523997	0.03824201
ENSMUSG00000000805.19,Car4,protein_coding	0.4250606	0.08995269
ENSMUSG00000044367.8,Slc16a13,protein_coding	0.42480295	0.01428791
ENSMUSG00000041548.5,Hspb8,protein_coding	0.42465381	0.14489618
ENSMUSG00000020424.4,Castor1,protein_coding	0.42464606	0.50206045
ENSMUSG00000131673.1,ENSMUSG00000131673,lncRNA	0.4245145	0.10213143
ENSMUSG00000121913.2,ENSMUSG00000121913,lncRNA	0.42445751	0.04969611
ENSMUSG00000138224.1,ENSMUSG00000138224,lncRNA	0.42444659	0.00498283
ENSMUSG00000022306.10,Zfpm2,protein_coding	0.42437159	0.04481639
ENSMUSG00000055045.7,Gm11190,lncRNA	0.4242914	0.36823783
ENSMUSG00000108832.3,Gm44832,lncRNA	0.42402098	0.1643508
ENSMUSG00000087652.3,Gm15918,lncRNA	0.4236926	0.29224682
ENSMUSG00000050132.14,Sarm1,protein_coding	0.42346011	0.01391407
ENSMUSG00000107355.4,AI839979,lncRNA	0.42337327	0.38681762
ENSMUSG00000097397.3,Gm16861,lncRNA	0.42336249	0.27720539
ENSMUSG00000014243.6,Zswim7,protein_coding	0.42326175	0.05183449
ENSMUSG00000036452.19,Arhgap26,protein_coding	0.42294062	0.00094751
ENSMUSG00000102063.3,Gm28706,lncRNA	0.4226576	0.20297148
ENSMUSG00000097892.4,Gm26801,lncRNA	0.42256411	0.27687797
ENSMUSG00000071719.3,Nalf2,protein_coding	0.42231943	0.00951631
ENSMUSG00000119895.1,Gm22513,snRNA	0.42221266	0.12761972
ENSMUSG00000114448.2,C630044B11Rik,TEC	0.42178604	0.01099661
ENSMUSG00000046719.8,Nxph3,protein_coding	0.42177965	0.05419473
ENSMUSG00000020160.19,Meis1,protein_coding	0.4214017	0.07671895
ENSMUSG00000042115.5,Klhdc8a,protein_coding	0.42119395	0.05039815
ENSMUSG00000041046.8,Ramp3,protein_coding	0.4211456	0.26035834
ENSMUSG00000064558.3,Gm24620,snoRNA	0.42100074	0.2585627
ENSMUSG00000064105.14,Cnnm2,protein_coding	0.42098115	0.00141357
ENSMUSG00000008845.10,Cd163,protein_coding	0.42097457	0.21113355
ENSMUSG00000085022.5,Gm5860,lncRNA	0.42095524	0.50255742
ENSMUSG00000033152.14,Podxl2,protein_coding	0.42081687	0.02446906
ENSMUSG00000023949.8,Tcte1,protein_coding	0.42062994	0.1800458
ENSMUSG00000097890.5,4930547M16Rik,lncRNA	0.42024978	0.2552286
ENSMUSG00000101224.3,Gm28209,lncRNA	0.42024637	0.18152482
ENSMUSG00000041594.19,Tmtc4,protein_coding	0.42017308	0.00716359
ENSMUSG00000112832.3,4930484H19Rik,lncRNA	0.42003418	0.3032322
ENSMUSG00000039126.11,Prune2,protein_coding	0.41987125	0.00563522
ENSMUSG00000023017.11,Asic1,protein_coding	0.41974048	0.00144385
ENSMUSG00000042918.18,Mamstr,protein_coding	0.41949817	0.03633909
ENSMUSG00000105774.2,Gm43006,TEC	0.41906684	0.09975419
ENSMUSG00000024959.15,Bad,protein_coding	0.41894465	0.02253711
ENSMUSG00000074213.4,Gm10642,lncRNA	0.41864628	0.16233226
ENSMUSG00000038560.8,Sp6,protein_coding	0.41833645	0.27169375
ENSMUSG00000003541.7,Ier3,protein_coding	0.41815985	0.0737163
ENSMUSG00000063659.12,Zbtb18,protein_coding	0.41814914	0.04206404
ENSMUSG00000107370.2,Gm43588,TEC	0.41810012	0.07469784
ENSMUSG00000022686.15,B3gnt5,protein_coding	0.41800816	0.28203426
ENSMUSG00000052957.9,Gas1,protein_coding	0.41797034	0.01076684
ENSMUSG00000030834.8,Abcc6,protein_coding	0.41796215	0.17407447
ENSMUSG00002076155.1,AF357425,snoRNA	0.41772456	0.02508744
ENSMUSG00000109715.4,Gm45606,lncRNA	0.41751252	0.00336922

ENSMUSG00000087042.2,Gm11611,lncRNA	0.41726965	0.02184224
ENSMUSG00000062704.4,9430002A10Rik,lncRNA	0.41698902	0.2071799
ENSMUSG00000041930.8,Fam222a,protein_coding	0.41682275	0.00833396
ENSMUSG00000040420.16,Cdh18,protein_coding	0.41681922	0.0136432
ENSMUSG00000034164.18,Emid1,protein_coding	0.41672112	0.04142099
ENSMUSG00000027489.16,Necab3,protein_coding	0.41667153	0.04739244
ENSMUSG00000107451.2,Gm44421,lncRNA	0.41660035	0.0529779
ENSMUSG00000038489.9,Polr2l,protein_coding	0.41655037	0.00886093
ENSMUSG00000127413.1,ENSMUSG00000127413,lncRNA	0.4164188	0.28070087
ENSMUSG00000067925.5,Rtl8a,protein_coding	0.41637489	0.02246208
ENSMUSG00000078302.6,Foxd1,protein_coding	0.41635559	0.12597489
ENSMUSG00000023411.13,Nfatc4,protein_coding	0.41614551	0.12183782
ENSMUSG00000090061.10,Nwd2,protein_coding	0.41614201	0.13603734
ENSMUSG00000034659.15,Tmem109,protein_coding	0.41604444	0.01616373
ENSMUSG00000090558.3,Gm17202,lncRNA	0.41573285	0.1471015
ENSMUSG00000102627.2,Snurf,protein_coding	0.41536971	0.02883953
ENSMUSG00000038026.13,Kcnj9,protein_coding	0.41526292	0.01157105
ENSMUSG00000141942.1,ENSMUSG00000141942,lncRNA	0.41502372	0.07346451
ENSMUSG00000035885.6,Cox8a,protein_coding	0.41499003	0.0019654
ENSMUSG00000048142.10,Nat8l,protein_coding	0.41493678	0.00885439
ENSMUSG00000050447.16,Lypd6,protein_coding	0.41458672	0.02342135
ENSMUSG00000024867.15,Pip5k1b,protein_coding	0.41455382	0.01264862
ENSMUSG00000037032.18,Apbb1,protein_coding	0.41439001	0.00945428
ENSMUSG00000051790.16,Nlgn2,protein_coding	0.41435445	0.00481473
ENSMUSG00000028789.17,Azin2,protein_coding	0.4141957	0.01228699
ENSMUSG00000003380.12,Rabac1,protein_coding	0.4141902	0.02433434
ENSMUSG00000025207.17,Sema4g,protein_coding	0.41405053	0.01331793
ENSMUSG00000060988.13,Galnt13,protein_coding	0.41402706	0.02334519
ENSMUSG00000124710.1,ENSMUSG00000124710,lncRNA	0.41399197	0.2691155
ENSMUSG00000045193.14,Cirbp,protein_coding	0.41389715	0.00068084
ENSMUSG00000031688.5,Pou4f2,protein_coding	0.41359968	0.72703865
ENSMUSG00000090071.5,Cdk5r2,protein_coding	0.41359426	0.0385088
ENSMUSG00000141517.1,ENSMUSG00000141517,lncRNA	0.41349381	0.40100231
ENSMUSG00000028671.17,Gale,protein_coding	0.41349366	0.03818268
ENSMUSG00000039661.15,Dusp26,protein_coding	0.41349349	0.02134718
ENSMUSG00000108721.2,Gm44721,TEC	0.41344605	0.14882941
ENSMUSG00000028172.6,Tacr3,protein_coding	0.41334889	0.18147695
ENSMUSG00000127377.1,ENSMUSG00000127377,lncRNA	0.41317857	0.47479036
ENSMUSG00000031937.8,Vstm5,protein_coding	0.41309109	0.07517079
ENSMUSG00000031169.14,Porcn,protein_coding	0.4128509	0.0170791
ENSMUSG00000025189.10,Cnnm1,protein_coding	0.41231705	0.00135812
ENSMUSG00000074736.11,Syndig1,protein_coding	0.41210769	0.00123708
ENSMUSG00000051985.13,Igfn1,protein_coding	0.41200304	0.13535298
ENSMUSG00000074635.5,3110070M22Rik,lncRNA	0.41167246	0.19015974
ENSMUSG00000028909.18,Ptpru,protein_coding	0.41163904	0.00271366
ENSMUSG00000032889.8,Gm6685,processed_pseudogene	0.41155542	0.13930256
ENSMUSG00000069622.6,Gm10273,transcribed_processed_pseudogene	0.41130668	0.84855729
ENSMUSG00000059713.13,Rcan3,protein_coding	0.41128433	0.00515527
ENSMUSG00000039131.16,Gipc2,protein_coding	0.41105431	0.11738868
ENSMUSG00000044122.16,Proca1,protein_coding	0.4109989	0.05263005
ENSMUSG00000022658.11,Tagln3,protein_coding	0.41098324	0.01318426
ENSMUSG00000046157.14,Tmem229b,protein_coding	0.41072852	0.00462235

ENSMUSG00000046637.4,Ttc34,protein_coding	0.41041606	0.20155413
ENSMUSG00000026840.15,Lamc3,protein_coding	0.41005439	0.05151348
ENSMUSG00000068299.12,Nat8f4,protein_coding	0.40984403	0.0649085
ENSMUSG00000120910.1,Gm57158,lncRNA	0.40982744	0.1798368
ENSMUSG00000105247.2,Gm42519,TEC	0.40926886	0.34305493
ENSMUSG00000049521.3,Cdc42ep1,protein_coding	0.40898673	0.00568522
ENSMUSG00000086784.3,Isoc2a,protein_coding	0.40879667	0.00372754
ENSMUSG00000003849.9,Nqo1,protein_coding	0.40831113	0.15443653
ENSMUSG00000030588.13,Yif1b,protein_coding	0.4082462	0.04418947
ENSMUSG00000069835.11,Sat2,protein_coding	0.40811382	0.02291153
ENSMUSG00000113780.3,Gm33195,lncRNA	0.40809733	0.3368619
ENSMUSG00000035342.15,Lzts2,protein_coding	0.40800097	0.00378922
ENSMUSG00000020486.20,Septin4,protein_coding	0.40797017	0.00071773
ENSMUSG00000129931.1,ENSMUSG00000129931,lncRNA	0.40781755	0.09449085
ENSMUSG00000084845.11,Tmem240,protein_coding	0.40772659	0.03497238
ENSMUSG00000138276.1,ENSMUSG00000138276,lncRNA	0.40766518	0.12481773
ENSMUSG00000087449.2,Gm12971,lncRNA	0.40753946	0.33577553
ENSMUSG00000109008.4,Gm44899,lncRNA	0.40750345	0.09838532
ENSMUSG00000054934.11,Kcnmb4,protein_coding	0.40742041	0.00367581
ENSMUSG00000036218.17,Pdzrn4,protein_coding	0.40704901	0.00805894
ENSMUSG00002076174.1,Gm55763,misc_RNA	0.40663089	0.33314818
ENSMUSG00000103785.4,Gm35025,lncRNA	0.4061754	0.1428237
ENSMUSG00000097399.9,Gm26555,lncRNA	0.40607367	0.200812
ENSMUSG00000034891.14,Sncb,protein_coding	0.40604923	0.01017599
ENSMUSG00000048756.12,Foxo3,protein_coding	0.40590223	0.00115455
ENSMUSG00000034006.18,Slc66a2,protein_coding	0.40572071	0.00091075
ENSMUSG00000033510.15,Otud7a,protein_coding	0.40555954	0.00609865
ENSMUSG00000086999.3,Bcas1os2,lncRNA	0.40539327	0.21211074
ENSMUSG00000035773.7,Kiss1r,protein_coding	0.40531459	0.04884536
ENSMUSG00000022476.9,Polr3h,protein_coding	0.40514201	0.00090577
ENSMUSG00000125992.1,ENSMUSG00000125992,lncRNA	0.40509014	0.10875504
ENSMUSG00000050541.15,Adra1b,protein_coding	0.40498142	0.09942179
ENSMUSG00000066278.7,Vps37b,protein_coding	0.40478916	0.00766587
ENSMUSG00000030247.10,Kcnj8,protein_coding	0.40469238	0.28971029
ENSMUSG00000085609.4,1700016P03Rik,lncRNA	0.40444987	0.28514428
ENSMUSG00000020440.15,Arf5,protein_coding	0.40419555	0.0004706
ENSMUSG00000025867.9,Cplx2,protein_coding	0.40412173	0.01798869
ENSMUSG00000020695.15,Mrc2,protein_coding	0.40410975	0.09238736
ENSMUSG00000110146.2,Gm45487,TEC	0.40397709	0.41525694
ENSMUSG00000010307.8,Tmem86a,protein_coding	0.40395359	0.04700689
ENSMUSG00000021508.12,Cxcl14,protein_coding	0.4030725	0.0017881
ENSMUSG00000098912.10,1500004A13Rik,lncRNA	0.40296734	0.58398534
ENSMUSG00000124948.1,ENSMUSG00000124948,lncRNA	0.40289879	0.04026082
ENSMUSG00000093587.6,Gm20554,lncRNA	0.40274872	0.40021307
ENSMUSG00000118668.1,Rps6ka4,protein_coding	0.40223669	0.00775174
ENSMUSG00000090247.8,Bloc1s1,protein_coding	0.40208934	0.02968296
ENSMUSG00000002105.16,Slc39a13,protein_coding	0.40189302	0.00260564
ENSMUSG00000018581.16,Dnah11,protein_coding	0.40181501	0.23694063
ENSMUSG00000119958.2,Gm57234,lncRNA	0.4016753	0.08175566
ENSMUSG00000006378.16,Gcat,protein_coding	0.40155876	0.07428247
ENSMUSG00000030087.12,Klf15,protein_coding	0.40155406	0.01215079
ENSMUSG00000061322.16,Dnai1,protein_coding	0.40147488	0.1449787

ENSMUSG00000021194.7,Chga,protein_coding	0.40115864	0.03922568
ENSMUSG00000042804.14,Gpr153,protein_coding	0.40115514	0.06547022
ENSMUSG00000027634.15,Ndrg3,protein_coding	0.40114867	0.00128888
ENSMUSG00000006638.17,Abhd1,protein_coding	0.40108925	0.0714555
ENSMUSG00000137107.1,ENSMUSG00000137107,lncRNA	0.40084902	0.21067264
ENSMUSG00000027602.10,Map1lc3a,protein_coding	0.40040897	0.04136605
ENSMUSG00000030898.16,Cckbr,protein_coding	0.40029536	0.16713034
ENSMUSG00000032125.22,Robo4,protein_coding	0.3998215	0.01889766
ENSMUSG00000060402.9,Chst8,protein_coding	0.3997532	0.00269545
ENSMUSG00000106706.2,C530043K16Rik,TEC	0.39970628	0.02110598
ENSMUSG00000130632.1,ENSMUSG00000130632,lncRNA	0.39960592	0.30124964
ENSMUSG00000029860.17,Zyx,protein_coding	0.39957141	0.00227485
ENSMUSG00000059772.13,Slx1b,protein_coding	0.39886906	0.00062664
ENSMUSG00000054855.14,Rnd1,protein_coding	0.39881266	0.03465732
ENSMUSG00000069814.7,Ccdc92b,protein_coding	0.3986774	0.00692689
ENSMUSG00000038552.15,Fndc4,protein_coding	0.39848395	0.00536679
ENSMUSG00000024962.14,Vegfb,protein_coding	0.39846037	0.00264166
ENSMUSG00000109780.3,Gm45447,lncRNA	0.39834613	0.13995769
ENSMUSG00000105828.2,Gm43048,TEC	0.39821532	0.09060495
ENSMUSG00000034936.3,Arl4d,protein_coding	0.39818517	0.09049032
ENSMUSG00000045636.17,Mtus1,protein_coding	0.3978761	0.0087019
ENSMUSG00000105890.2,Gm42780,TEC	0.39785758	0.22267003
ENSMUSG00000102997.2,Gm17244,TEC	0.39735526	0.23846082
ENSMUSG00000133370.1,ENSMUSG00000133370,lncRNA	0.39732325	0.26132278
ENSMUSG00000027887.12,Sypl2,protein_coding	0.39706259	0.21089782
ENSMUSG00000024846.7,Cst6,protein_coding	0.3969526	0.42508888
ENSMUSG00000024429.10,Gnl1,protein_coding	0.39692821	0.00417953
ENSMUSG00000041120.7,Nbl1,protein_coding	0.39687525	0.02750806
ENSMUSG00000073594.4,Gm10545,lncRNA	0.39661182	0.14686198
ENSMUSG00000106296.2,4632404M16Rik,lncRNA	0.39619741	0.19196696
ENSMUSG00000020135.14,Apc2,protein_coding	0.39596925	0.00859301
ENSMUSG00000119035.1,Gm25101,snRNA	0.39591001	0.30962227
ENSMUSG00000019478.18,Rab4a,protein_coding	0.39585638	0.00202062
ENSMUSG00000121182.1,Gm56739,lncRNA	0.39549918	0.05158347
ENSMUSG00000024909.16,Efemp2,protein_coding	0.39535119	0.02265852
ENSMUSG00000024158.18,Hagh,protein_coding	0.3952624	0.01300132
ENSMUSG00000093989.2,Rnasek,protein_coding	0.39490015	0.00544736
ENSMUSG00000021974.16,Fgf9,protein_coding	0.39486392	0.00303458
ENSMUSG00000029608.11,Rph3a,protein_coding	0.39474937	0.00510905
ENSMUSG00002075041.1,Gm56244,misc_RNA	0.39471074	0.00697047
ENSMUSG00000003344.16,Btbd2,protein_coding	0.39456688	0.01009898
ENSMUSG00000120850.2,Gm56765,lncRNA	0.39438635	0.00524775
ENSMUSG00000033774.5,Npbwr1,protein_coding	0.39431834	0.40628352
ENSMUSG00000117557.2,Gm50070,lncRNA	0.39428642	0.33326397
ENSMUSG00000117814.2,Gm50431,lncRNA	0.39425313	0.01282236
ENSMUSG00000028601.19,Echdc2,protein_coding	0.39419697	0.09824999
ENSMUSG00000037224.16,Zfyve28,protein_coding	0.39403462	0.01171522
ENSMUSG00000038712.17,Mindy1,protein_coding	0.39390691	0.01145779
ENSMUSG00000107134.2,Gm42528,TEC	0.39390413	0.09761478
ENSMUSG00000008153.13,Clstn3,protein_coding	0.3937845	0.00723282
ENSMUSG00000020251.15,Glt8d2,protein_coding	0.3936994	0.10347807
ENSMUSG00000029828.5,Spmip4,protein_coding	0.39364608	0.13436375

ENSMUSG00000026822.15,Lcn2,protein_coding	0.39362054	0.73017799
ENSMUSG00000118171.2,Gm50390,processed_pseudogene	0.393616	0.07431896
ENSMUSG00000118669.2,Arvcf,protein_coding	0.39357471	0.01513871
ENSMUSG00000102204.2,Gm36958,TEC	0.39346541	0.78839645
ENSMUSG00000042428.7,Mgat3,protein_coding	0.39342068	0.0017531
ENSMUSG00000048696.12,Mex3d,protein_coding	0.39341198	0.00185705
ENSMUSG00000032281.12,Acsbg1,protein_coding	0.39340621	0.00084662
ENSMUSG00000025226.12,Fbxl15,protein_coding	0.39330511	0.04269666
ENSMUSG00000026121.14,Sema4c,protein_coding	0.39301512	0.00576784
ENSMUSG00000031065.15,Cdk16,protein_coding	0.39262412	0.0008101
ENSMUSG00000016940.19,Kctd2,protein_coding	0.39254366	0.00200285
ENSMUSG00000002820.7,Atg4d,protein_coding	0.39252695	0.00305414
ENSMUSG00000024851.15,Pitpnm1,protein_coding	0.39251616	0.00399497
ENSMUSG00000121226.1,6720407P12Rik,lncRNA	0.39240582	0.01135888
ENSMUSG00000036504.7,Phpt1,protein_coding	0.39234447	0.00618038
ENSMUSG00000105033.2,Gm43423,TEC	0.39203507	0.23525045
ENSMUSG00000124447.1,ENSMUSG00000124447,lncRNA	0.39166173	0.39611572
ENSMUSG00000037843.7,Vstm2l,protein_coding	0.39138514	0.12478996
ENSMUSG00000036560.15,Lgi4,protein_coding	0.39092993	0.01070054
ENSMUSG00000113812.2,Gm48699,TEC	0.3908172	0.11793131
ENSMUSG00000045655.10,Fam216b,protein_coding	0.39035351	0.4918842
ENSMUSG00000026676.8,Ccdc3,protein_coding	0.39033788	0.06787426
ENSMUSG00000027459.17,Fam110a,protein_coding	0.39019781	0.0857561
ENSMUSG00000019146.3,Cacng2,protein_coding	0.39005572	0.00038786
ENSMUSG00000042641.20,Rgsl1,protein_coding	0.39002793	0.22554584
ENSMUSG00000050751.16,Pgbd5,protein_coding	0.38996425	0.01463253
ENSMUSG00000045761.17,Togaram2,protein_coding	0.38996012	0.22219634
ENSMUSG00000060212.14,Pcnx2,protein_coding	0.3895756	0.00440978
ENSMUSG00000006412.11,Pfdn2,protein_coding	0.38925483	0.00538531
ENSMUSG00000021919.9,Chat,protein_coding	0.38924647	0.50224438
ENSMUSG00000045954.8,Cavin2,protein_coding	0.38916682	0.04628485
ENSMUSG00000051022.8,Hs3st1,protein_coding	0.38875869	0.02047267
ENSMUSG00000030731.14,Syt3,protein_coding	0.38873633	0.01231743
ENSMUSG00000028444.18,Cntfr,protein_coding	0.38852742	0.01817196
ENSMUSG00000032036.16,Kirrel3,protein_coding	0.38834299	0.00446329
ENSMUSG00000027500.11,Stmn2,protein_coding	0.38780338	0.00106441
ENSMUSG00000038453.18,Srcin1,protein_coding	0.38779881	0.01248791
ENSMUSG00000019732.15,Calr3,protein_coding	0.38773512	0.38314914
ENSMUSG00000059842.13,Zfp341,protein_coding	0.38770879	0.02846055
ENSMUSG00000103532.2,Gm4430,TEC	0.38747246	0.0931523
ENSMUSG00000015766.15,Eps8,protein_coding	0.38744107	0.00844595
ENSMUSG00000045589.8,Frrs1l,protein_coding	0.38726658	0.0112214
ENSMUSG00000045877.3,4933415A04Rik,lncRNA	0.38723004	0.23818386
ENSMUSG00000031824.16,6430548M08Rik,protein_coding	0.38721442	0.00254439
ENSMUSG00000021638.13,Ocln,protein_coding	0.38707207	0.03009356
ENSMUSG00000028917.15,Plekhm2,protein_coding	0.38696632	0.00068113
ENSMUSG00000107728.2,Gm38910,lncRNA	0.38690134	0.07644139
ENSMUSG00000012017.5,Scarf2,protein_coding	0.38689775	0.24771747
ENSMUSG00000113986.3,Gm31333,lncRNA	0.38688451	0.25658707
ENSMUSG00000046841.7,Ckap4,protein_coding	0.38675557	0.00174392
ENSMUSG00000107638.4,Gm30524,lncRNA	0.38670457	0.57437301
ENSMUSG00000042763.10,Maneal,protein_coding	0.38655454	0.00097283

ENSMUSG00000055435.7,Maf,protein_coding	0.38643224	0.03975348
ENSMUSG00000140142.1,ENSMUSG00000140142,lncRNA	0.38610519	0.30339167
ENSMUSG00000079055.11,Slc8a3,protein_coding	0.38609543	0.00125332
ENSMUSG00000041552.8,Ptchd1,protein_coding	0.38555242	0.00756799
ENSMUSG00000053519.18,Kcnip1,protein_coding	0.38549898	0.0195149
ENSMUSG00000115867.4,Gm17753,lncRNA	0.38539244	0.10524992
ENSMUSG00000033161.11,Atp1a1,protein_coding	0.38536007	0.00375402
ENSMUSG00000053334.7,Ficd,protein_coding	0.38522631	0.00481706
ENSMUSG00000025464.16,Paox,protein_coding	0.38496644	0.01169703
ENSMUSG00000020847.16,Rph3al,protein_coding	0.38481464	0.2041228
ENSMUSG00000019295.9,Tmem129,protein_coding	0.38448002	0.00140185
ENSMUSG00000027253.16,Lrp4,protein_coding	0.38446338	0.00135489
ENSMUSG00000027661.5,Slc2a10,protein_coding	0.38442192	0.19296055
ENSMUSG00000026791.15,Slc2a8,protein_coding	0.38437219	0.0145397
ENSMUSG00000024940.12,Ltbp3,protein_coding	0.38428101	0.02266614
ENSMUSG00000031431.14,Tsc22d3,protein_coding	0.3842702	0.01174198
ENSMUSG00000030109.16,Slc6a12,protein_coding	0.38420347	0.27525002
ENSMUSG00000030321.17,Efcab12,protein_coding	0.38418727	0.11909833
ENSMUSG00000026197.13,Zfand2b,protein_coding	0.38398227	0.04371658
ENSMUSG00000003420.9,Fcgrt,protein_coding	0.38391012	0.02980585
ENSMUSG00000024136.15,Dnase1l2,protein_coding	0.38385296	0.33027385
ENSMUSG00000032807.6,Alox12b,protein_coding	0.38372871	0.30055187
ENSMUSG00000037499.10,Nenf,protein_coding	0.38370004	0.03547624
ENSMUSG00000034361.11,Cpne2,protein_coding	0.38353811	0.00809428
ENSMUSG00000028807.3,Zbtb8a,protein_coding	0.38352675	0.03082918
ENSMUSG00000097274.4,Gm47512,lncRNA	0.38336897	0.02015536
ENSMUSG00000031749.13,St3gal2,protein_coding	0.38320758	0.0032409
ENSMUSG00000030108.15,Slc6a13,protein_coding	0.38312304	0.12160132
ENSMUSG00000136297.1,ENSMUSG00000136297,lncRNA	0.3828927	0.15357116
ENSMUSG00000048546.9,Tob2,protein_coding	0.38288511	0.06108942
ENSMUSG00000022754.7,Tmem45a,protein_coding	0.38187044	0.46080606
ENSMUSG00000022415.13,Syngr1,protein_coding	0.38181581	0.01219474
ENSMUSG00000074607.12,Tox2,protein_coding	0.38177419	0.09089411
ENSMUSG00000078897.11,Gm4724,protein_coding	0.38163712	0.43315587
ENSMUSG00000033453.9,Adamts15,protein_coding	0.38161089	0.01897971
ENSMUSG00000058076.13,Sdhc,protein_coding	0.38155145	0.00137211
ENSMUSG00000028670.15,Lypla2,protein_coding	0.38142841	0.01409682
ENSMUSG00000001663.11,Gstt1,protein_coding	0.38142835	0.05919412
ENSMUSG00000034265.9,Zdhhc14,protein_coding	0.38132	0.00066701
ENSMUSG00000090877.4,Hspa1b,protein_coding	0.38102003	0.17390141
ENSMUSG00000021895.11,Arhgef3,protein_coding	0.38099447	0.00292491
ENSMUSG00000029471.14,Camkk2,protein_coding	0.38091172	0.01968933
ENSMUSG00000104002.3,Gm38336,lncRNA	0.38090695	0.09055548
ENSMUSG00000040479.13,Dgkz,protein_coding	0.38086815	0.01127951
ENSMUSG00000138589.1,ENSMUSG00000138589,lncRNA	0.3807273	0.41226646
ENSMUSG00000028600.17,Podn,protein_coding	0.38069764	0.15848063
ENSMUSG00000032648.15,Pygm,protein_coding	0.38058892	0.0182125
ENSMUSG00000107499.2,Ccdc142,protein_coding	0.38044556	0.09813789
ENSMUSG00000101316.2,Gm12663,processed_pseudogene	0.38012872	0.17296725
ENSMUSG00000126654.1,ENSMUSG00000126654,lncRNA	0.38011534	0.21926778
ENSMUSG00000053024.15,Cntn2,protein_coding	0.37983623	0.00403585
ENSMUSG00000106631.3,Gm42669,protein_coding	0.3797085	0.47765539

ENSMUSG00000129688.1,ENSMUSG00000129688,lncRNA	0.37962052	0.41356532
ENSMUSG00000120396.2,Gm32718,lncRNA	0.3794374	0.34505573
ENSMUSG00000066235.8,Pomgnt2,protein_coding	0.37932218	0.03709469
ENSMUSG00000046807.11,Lrrc75b,protein_coding	0.37923201	0.02521724
ENSMUSG00000041741.11,Pde3a,protein_coding	0.37912874	0.02450112
ENSMUSG00000140389.1,ENSMUSG00000140389,lncRNA	0.37909556	0.11790366
ENSMUSG00000117917.2,Gm18087,processed_pseudogene	0.37897028	0.33003842
ENSMUSG00000037989.17,Wnk2,protein_coding	0.37894246	0.00748395
ENSMUSG00000057530.15,Ece1,protein_coding	0.37893612	0.00149948
ENSMUSG00000082319.4,Actr3-ps,processed_pseudogene	0.37891806	0.22027883
ENSMUSG00000030029.15,Lrig1,protein_coding	0.37862069	0.00822894
ENSMUSG00000113045.2,Gm48621,TEC	0.3784747	0.19951579
ENSMUSG00000065118.3,Gm23297,snoRNA	0.37823488	0.08026694
ENSMUSG00000057054.12,Inca1,protein_coding	0.37819352	0.39003316
ENSMUSG00000029603.16,Dtx1,protein_coding	0.3781823	0.0207503
ENSMUSG00000041329.14,Atp1b2,protein_coding	0.37809222	0.00534227
ENSMUSG00000035206.11,Sppl2b,protein_coding	0.37807993	0.00932579
ENSMUSG00000062372.14,Otof,protein_coding	0.37796419	0.05751208
ENSMUSG00000116165.2,Pdxp,protein_coding	0.37787384	0.03754734
ENSMUSG00000028906.18,Epb41,protein_coding	0.37785013	0.03194672
ENSMUSG00000041730.15,Drgx,protein_coding	0.37785	0.71622005
ENSMUSG00000022799.5,Arhgap31,protein_coding	0.37781087	0.00373115
ENSMUSG00000053414.9,Hunk,protein_coding	0.37779333	0.0144147
ENSMUSG00000071654.7,Uqcc3,protein_coding	0.37760441	0.0241793
ENSMUSG00000043461.14,Sptssb,protein_coding	0.37738313	0.10206083
ENSMUSG00000028527.19,Ak4,protein_coding	0.37732798	0.0410509
ENSMUSG00000097322.10,A530083I20Rik,lncRNA	0.3771495	0.14004682
ENSMUSG00000027296.8,Itpka,protein_coding	0.37687446	0.06794919
ENSMUSG00000017167.7,Cntnap1,protein_coding	0.3765133	0.00141084
ENSMUSG00000022594.15,Lynx1,protein_coding	0.37624238	0.00486744
ENSMUSG00000067199.5,Frat1,protein_coding	0.37623128	0.00541913
ENSMUSG00000047379.8,B4gat1,protein_coding	0.37605505	0.00554182
ENSMUSG00000054728.18,Phactr1,protein_coding	0.37588683	0.12567743
ENSMUSG00000058248.13,Kcnh1,protein_coding	0.37582113	0.00922984
ENSMUSG00000099937.2,Gm28872,lncRNA	0.37580488	0.22278399
ENSMUSG00000028488.16,Sh3gl2,protein_coding	0.37555947	0.00406547
ENSMUSG00000061111.9,Mcrip1,protein_coding	0.37549928	0.01500044
ENSMUSG00000051343.12,Rab11fip5,protein_coding	0.37540134	0.00415168
ENSMUSG00000031523.17,Dlc1,protein_coding	0.37502951	0.00257926
ENSMUSG00000054256.12,Msi1,protein_coding	0.37494184	0.00450958
ENSMUSG00000007950.10,Abhd8,protein_coding	0.3747185	0.00709295
ENSMUSG00000073609.10,D2hgdh,protein_coding	0.37471241	0.01129851
ENSMUSG00000038517.16,Tbkbp1,protein_coding	0.37430756	0.01529292
ENSMUSG00000112745.2,Gm48025,lncRNA	0.37430204	0.31009467
ENSMUSG00000022860.16,Chodl,protein_coding	0.37423716	0.56010253
ENSMUSG00000001802.17,Lrp3,protein_coding	0.37410588	0.01116224
ENSMUSG00000023972.11,Ptk7,protein_coding	0.37408363	0.00914666
ENSMUSG00000030839.13,Sergef,protein_coding	0.37401731	0.00252304
ENSMUSG00000118181.2,Gm53015,lncRNA	0.37398061	0.0379286
ENSMUSG00000124213.1,ENSMUSG00000124213,lncRNA	0.37396556	0.14276903
ENSMUSG00000030592.20,Ryr1,protein_coding	0.37395546	0.04883665
ENSMUSG00000062591.6,Tubb4a,protein_coding	0.37387285	0.00202768

ENSMUSG00000024104.12,Washc2,protein_coding	0.37371554	0.00752959
ENSMUSG00000020086.7,Macroh2a2,protein_coding	0.37369713	0.00728792
ENSMUSG00000032238.18,Rora,protein_coding	0.37363965	0.02574573
ENSMUSG00000020788.16,Atp2a3,protein_coding	0.37355216	0.17839815
ENSMUSG00000036545.10,Adamts2,protein_coding	0.37344413	0.00679393
ENSMUSG00000030806.7,Stx1b,protein_coding	0.37318058	0.00406376
ENSMUSG00000118871.1,Gm23511,snRNA	0.37305676	0.35643984
ENSMUSG00000067818.7,Myl9,protein_coding	0.37301436	0.05975468
ENSMUSG00000002871.15,Tpra1,protein_coding	0.37294408	0.00556414
ENSMUSG00000026817.15,Ak1,protein_coding	0.37291173	0.00475834
ENSMUSG00000058883.17,Zfp708,protein_coding	0.37290075	0.62682026
ENSMUSG00000042589.19,Cux2,protein_coding	0.37288331	0.0068409
ENSMUSG00000002980.15,Bcam,protein_coding	0.37274831	0.09674077
ENSMUSG00000005951.14,Shpk,protein_coding	0.37269097	0.0428453
ENSMUSG00000086075.4,Gm15728,lncRNA	0.37262961	0.10486818
ENSMUSG00000019124.11,Scrn1,protein_coding	0.37260411	0.00143942
ENSMUSG00000028756.13,Pink1,protein_coding	0.37259564	0.00209897
ENSMUSG00000063576.13,Klhdc3,protein_coding	0.37258581	0.00308817
ENSMUSG00000025735.14,Rhbdl1,protein_coding	0.37246257	0.06623066
ENSMUSG00000129662.1,ENSMUSG00000129662,lncRNA	0.37241643	0.26283733
ENSMUSG00000017390.16,Aldoc,protein_coding	0.37236245	0.01006435
ENSMUSG00000021094.11,Dhrs7,protein_coding	0.37228965	0.03577141
ENSMUSG00000026312.18,Cdh7,protein_coding	0.37228507	0.02069638
ENSMUSG00000033809.16,Alg3,protein_coding	0.37209924	0.01386207
ENSMUSG00000036019.9,Tmtc2,protein_coding	0.37203259	0.02724772
ENSMUSG00000053769.6,Lysmd1,protein_coding	0.37184704	0.00245774
ENSMUSG00000022244.8,Amacr,protein_coding	0.37184163	0.06345403
ENSMUSG00000124632.1,ENSMUSG00000124632,lncRNA	0.37162903	0.05153783
ENSMUSG00000016637.8,Ift27,protein_coding	0.37161811	0.00797492
ENSMUSG00000020435.18,Osbp2,protein_coding	0.37159909	0.01558666
ENSMUSG00000001333.10,Sync,protein_coding	0.37149847	0.43892886
ENSMUSG00000037060.4,Cavin3,protein_coding	0.37142915	0.01426634
ENSMUSG00000108591.2,Particl,TEC	0.37134882	0.00729877
ENSMUSG00000049721.15,Gal3st1,protein_coding	0.37127954	0.03963319
ENSMUSG00000120509.2,Gm57046,lncRNA	0.37122674	0.07250588
ENSMUSG00000120496.2,Gm56762,lncRNA	0.37116595	0.15902205
ENSMUSG00000030172.16,Erc1,protein_coding	0.37109636	0.02209061
ENSMUSG00000028672.14,Hmgcl,protein_coding	0.37109265	0.00591083
ENSMUSG00000026885.14,Ttll11,protein_coding	0.37106162	0.01501751
ENSMUSG00000063605.6,Ccdc102a,protein_coding	0.37073385	0.20108362
ENSMUSG00000027867.11,Spag17,protein_coding	0.37068597	0.52133514
ENSMUSG00000119961.2,B430105G09Rik,lncRNA	0.37059617	0.20353558
ENSMUSG00000049670.10,Morn4,protein_coding	0.37056016	0.0294964
ENSMUSG00000027406.14,Idh3b,protein_coding	0.37052532	0.00133969
ENSMUSG00000016510.12,Mtif3,protein_coding	0.37046223	0.00393039
ENSMUSG00000060166.7,Zdhhc8,protein_coding	0.37034817	0.02017419
ENSMUSG00000024650.6,Slc22a6,protein_coding	0.37031026	0.1147663
ENSMUSG00000028919.12,Arhgef19,protein_coding	0.37028825	0.02921701
ENSMUSG00000030302.18,Atp2b2,protein_coding	0.37012434	0.00404209
ENSMUSG00000040713.13,Creg1,protein_coding	0.37011877	0.00371543
ENSMUSG00000046229.11,Scand1,protein_coding	0.37007851	0.10167346
ENSMUSG00000059810.19,Rgs3,protein_coding	0.37003562	0.01508895

ENSMUSG00000027217.14,Tspan18,protein_coding	0.37000475	0.11510747
ENSMUSG00000028631.8,Kcnq4,protein_coding	0.36998242	0.0850429
ENSMUSG00000010122.15,Slc47a1,protein_coding	0.3699824	0.31283552
ENSMUSG00000036854.15,Hspb6,protein_coding	0.36974935	0.17860166
ENSMUSG00000038119.16,Cdon,protein_coding	0.36972401	0.03948661
ENSMUSG00000117729.2,Gm5242,processed_pseudogene	0.36961298	0.20511539
ENSMUSG00000020773.12,Trim47,protein_coding	0.36959964	0.26345263
ENSMUSG00000047617.12,Paxx,protein_coding	0.36954665	0.02383583
ENSMUSG00000035456.10,Prdm8,protein_coding	0.36929783	0.11886729
ENSMUSG00000073700.4,Klhl21,protein_coding	0.36928511	0.00207831
ENSMUSG00000072591.14,Fzd10os,lncRNA	0.36926756	0.06614079
ENSMUSG00000079022.11,Col22a1,protein_coding	0.36921835	0.10428997
ENSMUSG00000029287.15,Tgfbr3,protein_coding	0.36921072	0.00361026
ENSMUSG00000125551.1,ENSMUSG00000125551,lncRNA	0.36919625	0.30680864
ENSMUSG00000027474.14,Ccm2l,protein_coding	0.36890606	0.17102306
ENSMUSG00000070570.6,Slc17a7,protein_coding	0.36885227	0.08074827
ENSMUSG00000040048.15,Ndufb10,protein_coding	0.36882091	0.00313552
ENSMUSG00000025538.16,Sumf2,protein_coding	0.3687084	0.01754351
ENSMUSG00000081228.2,Gm16089,processed_pseudogene	0.36862336	0.41846182
ENSMUSG00000027581.13,Stmn3,protein_coding	0.36846854	0.02096667
ENSMUSG00000075334.3,Rprm,protein_coding	0.36846422	0.05356696
ENSMUSG00000032531.16,Amotl2,protein_coding	0.36832661	0.00483866
ENSMUSG00000039648.15,Kyat1,protein_coding	0.36822358	0.01500123
ENSMUSG00000117322.3,6330415G19Rik,lncRNA	0.36813602	0.2664189
ENSMUSG00000113927.2,5330409N07Rik,TEC	0.3681341	0.18136622
ENSMUSG00000006057.17,Atp5mc1,protein_coding	0.3681131	0.00152313
ENSMUSG00000007216.7,Zfp775,protein_coding	0.36801112	0.05042712
ENSMUSG00000114621.3,Gm31107,lncRNA	0.36799982	0.14635458
ENSMUSG00000029544.17,Cabp1,protein_coding	0.36792093	0.00713452
ENSMUSG00000043687.17,1190005I06Rik,protein_coding	0.36785495	0.27574927
ENSMUSG00000105990.2,Gm43307,TEC	0.36770492	0.20865903
ENSMUSG00000020890.12,Gucy2e,protein_coding	0.36760493	0.02750819
ENSMUSG00000072825.13,Cep170b,protein_coding	0.36752299	0.02105697
ENSMUSG00000027546.16,Atp9a,protein_coding	0.36745669	0.00720021
ENSMUSG00000120104.2,4122401K19Rik,lncRNA	0.36721349	0.09166328
ENSMUSG00000119979.2,Gm57253,lncRNA	0.36709222	0.13291917
ENSMUSG00000032714.7,Syde1,protein_coding	0.3670402	0.00848139
ENSMUSG00000109887.3,Gm28756,lncRNA	0.36702276	0.08983583
ENSMUSG00000026944.19,Abca2,protein_coding	0.36697213	0.00237038
ENSMUSG00000052926.17,Rnaseh2a,protein_coding	0.36689925	0.01497614
ENSMUSG00000068551.13,Zfp467,protein_coding	0.36667754	0.01087533
ENSMUSG00000030083.12,Abtb1,protein_coding	0.3666709	0.00464054
ENSMUSG00000104324.2,Gm37320,TEC	0.36635422	0.1654241
ENSMUSG00000068373.16,D430041D05Rik,protein_coding	0.36619525	0.01575436
ENSMUSG00000030351.6,Tspan11,protein_coding	0.36613361	0.03292824
ENSMUSG00000121633.1,ENSMUSG00000121633,lncRNA	0.36605177	0.73886056
ENSMUSG00000085272.8,Sbk3,protein_coding	0.36583207	0.05041765
ENSMUSG00000128695.1,ENSMUSG00000128695,lncRNA	0.3656767	0.25807697
ENSMUSG00000136089.1,ENSMUSG00000136089,lncRNA	0.36565227	0.27981473
ENSMUSG00000111434.2,Gm47121,lncRNA	0.36551339	0.09098749
ENSMUSG00000010505.17,Myt1,protein_coding	0.36546622	0.03919715
ENSMUSG00000021032.14,Ngb,protein_coding	0.36537415	0.45659584

ENSMUSG00000041119.13,Pde9a,protein_coding	0.36537144	0.00962159
ENSMUSG00000016024.10,Lbp,protein_coding	0.36531247	0.40036342
ENSMUSG00000025085.17,Ablim1,protein_coding	0.365195	0.00811745
ENSMUSG00000032763.12,Ilvbl,protein_coding	0.36518238	0.00259269
ENSMUSG00000040364.9,Sec1,protein_coding	0.36491327	0.53515113
ENSMUSG00000033249.11,Hsf4,protein_coding	0.3649132	0.19340393
ENSMUSG00000138648.1,ENSMUSG00000138648,lncRNA	0.36489245	0.07173984
ENSMUSG00000051403.10,Ppp1r37,protein_coding	0.36487217	0.00846696
ENSMUSG00000084880.2,Tomm6os,lncRNA	0.36478812	0.03096968
ENSMUSG00000039110.16,Mycbpap,protein_coding	0.3645598	0.37022941
ENSMUSG00000001270.10,Ckb,protein_coding	0.36430345	0.00327553
ENSMUSG00000016763.16,Scube1,protein_coding	0.36407061	0.17015419
ENSMUSG00000127643.1,ENSMUSG00000127643,lncRNA	0.36402714	0.15814004
ENSMUSG00000039166.17,Akap7,protein_coding	0.36386547	0.0165928
ENSMUSG00000024535.17,Snx24,protein_coding	0.36386041	0.00670918
ENSMUSG00000031840.15,Rab3a,protein_coding	0.36379347	0.01572553
ENSMUSG00000139502.1,ENSMUSG00000139502,lncRNA	0.36371432	0.08930313
ENSMUSG00000037375.17,Hhat,protein_coding	0.36370486	0.04579657
ENSMUSG00000116875.2,Morf4l1-ps1,transcribed_processed_pseudogene	0.36365032	0.22137828
ENSMUSG00000112404.3,Gm32442,lncRNA	0.36362893	0.19995594
ENSMUSG00000109372.2,Gm19410,protein_coding	0.3635166	0.29593087
ENSMUSG00000031970.18,Dbndd1,protein_coding	0.3633543	0.13209955
ENSMUSG00000081872.2,Gm15572,processed_pseudogene	0.36314322	0.46092337
ENSMUSG00000057606.15,Colq,protein_coding	0.36307659	0.32288844
ENSMUSG00000017817.12,Jph2,protein_coding	0.36305924	0.38345708
ENSMUSG00000105971.2,Gm43805,TEC	0.36292821	0.28392488
ENSMUSG00000052301.15,Doc2a,protein_coding	0.36275358	0.16676598
ENSMUSG00000116262.2,Gm49544,lncRNA	0.36272603	0.48308434
ENSMUSG00000136750.1,ENSMUSG00000136750,lncRNA	0.36265662	0.33649963
ENSMUSG00000054452.11,Tle5,protein_coding	0.36254831	0.00611771
ENSMUSG00000034110.9,Kctd7,protein_coding	0.36246129	0.00269086
ENSMUSG00000025318.14,Jph3,protein_coding	0.3621333	0.0130198
ENSMUSG00000023192.13,Grm2,protein_coding	0.36193211	0.1848176
ENSMUSG00000038060.16,Dlec1,protein_coding	0.36171695	0.19004798
ENSMUSG00000020635.9,Fkbp1b,protein_coding	0.36170932	0.06345451
ENSMUSG00000037709.14,Fam13a,protein_coding	0.36164217	0.01676299
ENSMUSG00000041729.16,Coro2b,protein_coding	0.3616347	0.00489434
ENSMUSG00000032172.9,Olfm2,protein_coding	0.36159839	0.05267371
ENSMUSG00000038034.16,Igsf8,protein_coding	0.36150215	0.03900761
ENSMUSG00000068263.12,Efcc1,protein_coding	0.3614464	0.05063278
ENSMUSG00000037096.7,Gm9762,transcribed_processed_pseudogene	0.3613935	0.68373419
ENSMUSG00000003166.21,Dgcr2,protein_coding	0.36131541	0.00217176
ENSMUSG00000059434.10,Gckr,protein_coding	0.36131287	0.41389129
ENSMUSG00000042388.15,Dlgap3,protein_coding	0.36114387	0.04672186
ENSMUSG00000025204.11,Ndufb8,protein_coding	0.36110119	0.0103447
ENSMUSG00000068099.6,Smim45,protein_coding	0.36107367	0.00504539
ENSMUSG00000102548.3,Gm16701,lncRNA	0.36069406	0.01296793
ENSMUSG00000032589.15,Bsn,protein_coding	0.36064927	0.01567596
ENSMUSG00000131743.1,ENSMUSG00000131743,lncRNA	0.36062893	0.24829853
ENSMUSG00000056091.13,St3gal5,protein_coding	0.36060004	0.01344028
ENSMUSG00000031788.15,Kifc3,protein_coding	0.36059566	0.0442624
ENSMUSG00000105558.2,Gm5855,processed_pseudogene	0.36057873	0.42483793

ENSMUSG00000015016.9,Acsf3,protein_coding	0.36042036	0.01102037
ENSMUSG00000095098.3,Ccdc85b,protein_coding	0.3604139	0.00519325
ENSMUSG00000022132.16,Cldn10,protein_coding	0.36040606	0.01514477
ENSMUSG00000040502.6,Marchf9,protein_coding	0.36026342	0.00976208
ENSMUSG00000059401.15,Mamld1,protein_coding	0.36016339	0.00333763
ENSMUSG00000037126.17,Psd,protein_coding	0.36011691	0.04700642
ENSMUSG00000099009.2,Rdh16f1,protein_coding	0.36004645	0.77999274
ENSMUSG00000058441.8,Panx2,protein_coding	0.35992816	0.0107819
ENSMUSG00000032392.12,Parp16,protein_coding	0.35991764	0.1194038
ENSMUSG00000023905.16,Tnfrsf12a,protein_coding	0.35981645	0.16484385
ENSMUSG00000097393.11,D030068K23Rik,lncRNA	0.35972031	0.27461363
ENSMUSG00000015711.9,Prune1,protein_coding	0.35965887	0.00243479
ENSMUSG00000056121.17,Fez2,protein_coding	0.35964199	0.00136436
ENSMUSG00000036561.10,Ppp6r2,protein_coding	0.35962986	0.00200112
ENSMUSG00000060152.15,Pop5,protein_coding	0.35958343	0.02937312
ENSMUSG00000111334.3,Gm30015,lncRNA	0.35953262	0.11902091
ENSMUSG00000036615.8,Rfxap,protein_coding	0.3593454	0.00828618
ENSMUSG00000028111.5,Ctsk,protein_coding	0.3592814	0.18026153
ENSMUSG00000043719.15,Col6a6,protein_coding	0.35927993	0.15327392
ENSMUSG00000058135.13,Gstm1,protein_coding	0.35902177	0.00504366
ENSMUSG00000061981.15,Flot2,protein_coding	0.35891946	0.01659397
ENSMUSG00000035521.14,Gnptg,protein_coding	0.35886021	0.00049889
ENSMUSG00000027327.17,Adissp,protein_coding	0.35876525	0.07090586
ENSMUSG00000108325.2,Gm44898,TEC	0.35869295	0.15862629
ENSMUSG00000079491.11,H2-T10,protein_coding	0.35861406	0.27306893
ENSMUSG00000105708.2,Gm36070,lncRNA	0.35848764	0.31787206
ENSMUSG00000085838.2,Chn1os1,lncRNA	0.35833768	0.46445984
ENSMUSG00000033066.18,Gas7,protein_coding	0.35832595	0.01495604
ENSMUSG00000111874.3,Gm36539,lncRNA	0.35823214	0.27497564
ENSMUSG00000090125.4,Pou3f1,protein_coding	0.35822858	0.07101289
ENSMUSG00000044949.5,Ubtd2,protein_coding	0.3582122	0.03355494
ENSMUSG00000016349.11,Eef1a2,protein_coding	0.35810839	0.00774908
ENSMUSG00000048807.3,Slc35e4,protein_coding	0.35809609	0.05385646
ENSMUSG00000045007.10,Tubg2,protein_coding	0.35806741	0.02889771
ENSMUSG00000006522.18,Itih3,protein_coding	0.35802677	0.07759531
ENSMUSG00000004558.16,Ndrg2,protein_coding	0.35798658	0.00109826
ENSMUSG00000110289.2,4930412F12Rik,TEC	0.35796351	0.1724043
ENSMUSG00000004937.7,Sgta,protein_coding	0.35795369	0.00736605
ENSMUSG00000123031.1,ENSMUSG00000123031,lncRNA	0.35793569	0.36202346
ENSMUSG00000069713.5,4933406P04Rik,lncRNA	0.35779	0.17455466
ENSMUSG00000018672.16,Copz2,protein_coding	0.35778647	0.18701803
ENSMUSG00000019768.17,Esr1,protein_coding	0.35773127	0.19225072
ENSMUSG00000042675.16,Ypel3,protein_coding	0.35760349	0.00382159
ENSMUSG00000112779.2,Gm18029,processed_pseudogene	0.3574884	0.18063023
ENSMUSG00000019828.14,Grm1,protein_coding	0.35731297	0.03082986
ENSMUSG00000051851.6,Rtl8c,protein_coding	0.35728803	0.11683633
ENSMUSG00000028337.15,Coro2a,protein_coding	0.35723671	0.02548602
ENSMUSG00000044646.16,Zbtb7c,protein_coding	0.35719999	0.16631341
ENSMUSG00000038000.11,Acd,protein_coding	0.35705981	0.00769848
ENSMUSG00000052911.10,Lamb2,protein_coding	0.35695519	0.00889501
ENSMUSG00000029228.16,Lnx1,protein_coding	0.35695231	0.01675643
ENSMUSG00000027796.3,Smad9,protein_coding	0.35693686	0.00475156

ENSMUSG00000038777.20,Sema6c,protein_coding	0.35679658	0.02988378
ENSMUSG00000009614.17,Sardh,protein_coding	0.35659818	0.03076354
ENSMUSG00000014294.5,Ndufa2,protein_coding	0.35646754	0.02202247
ENSMUSG00000112558.3,Gm32364,lncRNA	0.35640799	0.14945921
ENSMUSG00000057103.12,Nat8f1,protein_coding	0.35640759	0.06174574
ENSMUSG00000033061.16,Resp18,protein_coding	0.35638389	0.29507139
ENSMUSG00000026425.16,Srgap2,protein_coding	0.35630393	0.00866239
ENSMUSG00000037568.13,Vash2,protein_coding	0.35604749	0.17424129
ENSMUSG00000117172.3,A230051N06Rik,lncRNA	0.35596241	0.23508661
ENSMUSG00000052751.17,Repin1,protein_coding	0.35588025	0.00148369
ENSMUSG00000029602.12,Rasal1,protein_coding	0.35587333	0.06360638
ENSMUSG00000041556.9,Fbxo2,protein_coding	0.35573374	0.02745408
ENSMUSG00000074793.11,Hspa12b,protein_coding	0.35563642	0.03075758
ENSMUSG00000032741.10,Tpcn1,protein_coding	0.35559756	0.00233814
ENSMUSG00000058153.16,Sez6l,protein_coding	0.35545357	0.00866463
ENSMUSG00000051373.6,Plpp7,protein_coding	0.3554178	0.0573886
ENSMUSG00000128125.1,ENSMUSG00000128125,lncRNA	0.35541291	0.02458589
ENSMUSG00000026860.17,Sh3glb2,protein_coding	0.35500538	0.0084905
ENSMUSG00000030055.17,Rab43,protein_coding	0.35476752	0.23324546
ENSMUSG00000103466.2,Gm37247,TEC	0.3544108	0.14617686
ENSMUSG00000143537.1,ENSMUSG00000143537,lncRNA	0.35440858	0.33769625
ENSMUSG00000030683.12,Sez6l2,protein_coding	0.35429158	0.00401234
ENSMUSG00000120248.2,Gm57257,lncRNA	0.35423904	0.20730359
ENSMUSG00000046152.17,Fut10,protein_coding	0.35418686	0.05565895
ENSMUSG00000049339.17,Retreg2,protein_coding	0.35413979	0.00612361
ENSMUSG00000020163.13,Uqcr11,protein_coding	0.35411217	0.03600186
ENSMUSG00000030532.7,Hddc3,protein_coding	0.35411075	0.0068946
ENSMUSG00000032523.12,Hhatl,protein_coding	0.35410223	0.03218945
ENSMUSG00000010045.3,Tmem115,protein_coding	0.35362258	0.01677996
ENSMUSG00000118841.1,Rn7s2,misc_RNA	0.35358985	0.05126878
ENSMUSG00000073684.14,Faap20,protein_coding	0.35356371	0.02426187
ENSMUSG00000078201.6,Tmem203,protein_coding	0.3534907	0.141071
ENSMUSG00000093593.2,Gm20683,protein_coding	0.35347935	0.29014006
ENSMUSG00000025825.13,Iscu,protein_coding	0.35345693	0.02096323
ENSMUSG00000054793.9,Cadm4,protein_coding	0.35332231	0.01441161
ENSMUSG00000051703.15,Tmem198,protein_coding	0.3532652	0.056549
ENSMUSG00000060371.13,Caln1,protein_coding	0.35322782	0.00930541
ENSMUSG00000035104.15,Eva1a,protein_coding	0.35305306	0.08492274
ENSMUSG00000067847.14,Romo1,protein_coding	0.35300879	0.11471529
ENSMUSG00000097330.4,Gm26672,lncRNA	0.35292976	0.08874239
ENSMUSG00000020000.8,Moxd1,protein_coding	0.3529107	0.15928144
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ENSMUSG00000074682.5,Zcchc3,protein_coding	0.35242247	0.02866973
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ENSMUSG00000044030.5,Irf2bp1,protein_coding	0.35186622	0.00732406
ENSMUSG00000046598.16,Bdh1,protein_coding	0.35165276	0.00297665
ENSMUSG00000135686.1,ENSMUSG00000135686,lncRNA	0.35164241	0.18277526
ENSMUSG00000029576.18,Radil,protein_coding	0.35150367	0.06921062
ENSMUSG00000070304.14,Scn2b,protein_coding	0.35141485	0.01120629
ENSMUSG00000031872.15,Bean1,protein_coding	0.3514069	0.08909731
ENSMUSG00000035112.18,Wnk4,protein_coding	0.35117336	0.09820086

ENSMUSG00000022842.19,Ece2,protein_coding	0.35115466	0.01927261
ENSMUSG00000114184.2,Gm7143,processed_pseudogene	0.35106781	0.70146588
ENSMUSG00000042331.14,Specc1,protein_coding	0.35098671	0.00122842
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ENSMUSG00000044641.8,Pard6b,protein_coding	0.35086691	0.01296207
ENSMUSG00000032180.12,Tmed1,protein_coding	0.35076758	0.05764512
ENSMUSG00000075463.5,4930594M22Rik,lncRNA	0.35071718	0.24927635
ENSMUSG00000056656.7,Apol8,protein_coding	0.35061785	0.07073852
ENSMUSG00000059645.7,Gm7361,protein_coding	0.35046248	0.36793773
ENSMUSG00000029681.13,Bcl7b,protein_coding	0.3504239	0.00491283
ENSMUSG00000121001.2,Gm57461,lncRNA	0.35018905	0.00568368
ENSMUSG00000054196.8,Cthrc1,protein_coding	0.35007091	0.07415278
ENSMUSG00000106847.2,Peg13,lncRNA	0.35006855	0.00244356
ENSMUSG00000040740.8,Slc25a34,protein_coding	0.34998206	0.08511678
ENSMUSG00000134179.1,ENSMUSG00000134179,lncRNA	0.3497981	0.12939032
ENSMUSG00000035473.11,Galm,protein_coding	0.34977481	0.1559454
ENSMUSG00000087536.2,Gm14246,lncRNA	0.34976271	0.46556315
ENSMUSG00000131895.1,ENSMUSG00000131895,lncRNA	0.34960468	0.31939745
ENSMUSG00000029769.18,Ccdc136,protein_coding	0.34954468	0.02908882
ENSMUSG00000002900.18,Lamb1,protein_coding	0.34954104	0.05519308
ENSMUSG00000092009.2,Myh15,protein_coding	0.34953922	0.34934576
ENSMUSG00000033287.18,Kctd17,protein_coding	0.34947739	0.01523698
ENSMUSG00000052387.17,Trpm3,protein_coding	0.34941548	0.02295852
ENSMUSG00000022619.6,Mapk8ip2,protein_coding	0.34941516	0.00470771
ENSMUSG00000020912.5,Krt12,protein_coding	0.34933437	0.3074946
ENSMUSG00000030590.16,Fam98c,protein_coding	0.34920921	0.00842917
ENSMUSG00000053093.17,Myh7,protein_coding	0.34907699	0.2256062
ENSMUSG00000018593.14,Sparc,protein_coding	0.34896896	0.07074444
ENSMUSG00000037902.19,Sirpa,protein_coding	0.3485098	0.00282611
ENSMUSG00000042938.9,Gm14117,processed_pseudogene	0.34844029	0.71999751
ENSMUSG00000013367.6,Iglon5,protein_coding	0.34840302	0.01443929
ENSMUSG00000031996.18,Aplp2,protein_coding	0.34838394	0.00062754
ENSMUSG00000047423.11,Al837181,protein_coding	0.34834467	0.02914484
ENSMUSG00000120347.2,Gm56597,lncRNA	0.3481546	0.28494744
ENSMUSG00000039717.17,Ralyl,protein_coding	0.34774607	0.00158321
ENSMUSG00000131962.1,ENSMUSG00000131962,lncRNA	0.34768862	0.28434327
ENSMUSG00000027895.11,Kcnc4,protein_coding	0.34756758	0.04550105
ENSMUSG00000051238.7,Swsap1,protein_coding	0.34745792	0.03846017
ENSMUSG00000025921.8,Rdh10,protein_coding	0.34739861	0.00274269
ENSMUSG00000121584.1,Tmem276,protein_coding	0.34739506	0.02503772
ENSMUSG00000043421.9,Hilpda,protein_coding	0.3473384	0.15706417
ENSMUSG00000032607.13,Amt,protein_coding	0.34731481	0.00773706
ENSMUSG00000023484.15,Prph,protein_coding	0.34717551	0.74734647
ENSMUSG00000039611.3,Pgap4,protein_coding	0.34698894	0.01330686
ENSMUSG00000117692.4,Gm50114,lncRNA	0.34698676	0.13315741
ENSMUSG00000003534.18,Ddr1,protein_coding	0.3469068	0.0044228
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ENSMUSG00000035722.16,Abca7,protein_coding	0.34683705	0.01719346
ENSMUSG00000064065.16,Ipcef1,protein_coding	0.34676673	0.03609792
ENSMUSG00000032012.10,Nectin1,protein_coding	0.34675229	0.00966064
ENSMUSG00000049422.8,Chchd10,protein_coding	0.34667774	0.03694269
ENSMUSG00000040097.17,Flywch1,protein_coding	0.3466776	0.01687969

ENSMUSG00000104877.2,Gm42651,TEC	0.34665651	0.08060383
ENSMUSG00000041670.20,Rims1,protein_coding	0.34664438	0.02327004
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ENSMUSG00000026443.4,Lrrn2,protein_coding	0.34637356	0.03068002
ENSMUSG00000030231.12,Plekha5,protein_coding	0.34625104	0.01152002
ENSMUSG00000024777.11,Ppp2r5b,protein_coding	0.34600313	0.00961731
ENSMUSG00000018659.13,Pnpo,protein_coding	0.34595703	0.0215947
ENSMUSG00000067081.14,Asb18,protein_coding	0.34595387	0.10354098
ENSMUSG00000087381.11,Gm16008,lncRNA	0.34572021	0.04462423
ENSMUSG00000024921.18,Smarca2,protein_coding	0.34563766	0.01023599
ENSMUSG00000018378.14,Cuedc1,protein_coding	0.34537866	0.01017591
ENSMUSG00000004568.14,Arhgef18,protein_coding	0.34524649	0.00348273
ENSMUSG00000087408.11,Cers1,protein_coding	0.34521647	0.04303272
ENSMUSG00000023232.18,Serinc2,protein_coding	0.34504197	0.27773209
ENSMUSG00000039021.16,Ttc16,protein_coding	0.34501246	0.32562774
ENSMUSG00000026950.19,Neb,protein_coding	0.3449319	0.21912699
ENSMUSG00000143513.1,ENSMUSG00000143513,lncRNA	0.34460579	0.54026973
ENSMUSG00000030852.19,Tacc2,protein_coding	0.34459997	0.01125631
ENSMUSG00000042380.9,Smim12,protein_coding	0.34453261	0.02738488
ENSMUSG00000020669.16,Sh3yl1,protein_coding	0.34451518	0.05803484
ENSMUSG00000021750.17,Fam107a,protein_coding	0.34435788	0.02815169
ENSMUSG00000015354.9,Pcolce2,protein_coding	0.34431868	0.04538575
ENSMUSG00000097535.3,Gm26592,lncRNA	0.34428429	0.37203504
ENSMUSG00000025158.8,Rfng,protein_coding	0.34427396	0.03684437
ENSMUSG00000020642.14,Rnf144a,protein_coding	0.34402353	0.00470661
ENSMUSG00000092837.3,Rpph1,ribozyme	0.34389472	0.0227106
ENSMUSG00000028793.16,Rnf19b,protein_coding	0.34368295	0.02390307
ENSMUSG00000039860.20,Srrm3,protein_coding	0.34362224	0.03959404
ENSMUSG00000086296.5,D030055H07Rik,lncRNA	0.34334609	0.18390186
ENSMUSG00000031661.13,Nkd1,protein_coding	0.34330463	0.02536867
ENSMUSG00000119985.2,Gm56570,lncRNA	0.34303107	0.24967795
ENSMUSG00000050666.15,Vstm4,protein_coding	0.34292398	0.08011067
ENSMUSG00000027868.12,Tbx15,protein_coding	0.34287395	0.33274266
ENSMUSG00000031787.9,Katnb1,protein_coding	0.34281919	0.00769104
ENSMUSG00000057411.10,Antkmt,protein_coding	0.34274381	0.01171944
ENSMUSG00000143322.1,ENSMUSG00000143322,lncRNA	0.34257262	0.29535817
ENSMUSG00000026211.19,Obsl1,protein_coding	0.34254363	0.03623973
ENSMUSG00000095687.3,Rnaset2a,protein_coding	0.34242006	0.31081174
ENSMUSG00000053046.17,Brsk2,protein_coding	0.34218171	0.01003341
ENSMUSG00000025732.7,Mcrip2,protein_coding	0.34206023	0.17598426
ENSMUSG00000042436.13,Mfap4,protein_coding	0.34201993	0.32361788
ENSMUSG00000044707.8,Ccnjl,protein_coding	0.34198865	0.17836762
ENSMUSG00000022456.19,Septin3,protein_coding	0.34198749	0.00566792
ENSMUSG00000040813.17,Tex264,protein_coding	0.34192181	0.01023938
ENSMUSG00000103672.2,Gm37621,TEC	0.34179937	0.13572819
ENSMUSG00000012609.20,Ttll5,protein_coding	0.34176825	0.00307072
ENSMUSG00000005803.15,Sqor,protein_coding	0.34173143	0.04967821
ENSMUSG00000057963.10,Itpk1,protein_coding	0.34164021	0.01403411
ENSMUSG00000006356.11,Crip2,protein_coding	0.34131618	0.08428176
ENSMUSG00000045438.13,Cox19,protein_coding	0.34120917	0.01033875
ENSMUSG00000030946.14,Lhpp,protein_coding	0.34091578	0.04678133
ENSMUSG00000099478.2,Gm28370,lncRNA	0.34084045	0.20318756

ENSMUSG00000029120.11,Ppp2r2c,protein_coding	0.34080108	0.01113695
ENSMUSG00000026932.15,Nacc2,protein_coding	0.34079082	0.00284318
ENSMUSG00000089715.13,Cbx6,protein_coding	0.3404119	0.00817462
ENSMUSG00000001227.13,Sema6b,protein_coding	0.34026232	0.03371766
ENSMUSG00000086013.3,Gm15706,lncRNA	0.34021552	0.24705248
ENSMUSG00000039759.11,Thap3,protein_coding	0.33987528	0.09472077
ENSMUSG00000040722.8,Scamp5,protein_coding	0.33982515	0.01433847
ENSMUSG00000050821.15,Fam131a,protein_coding	0.33982154	0.07741411
ENSMUSG00000114851.3,Gm46409,lncRNA	0.3397749	0.32737362
ENSMUSG00000090173.9,Fbxw10,protein_coding	0.33976037	0.23066759
ENSMUSG00000031681.17,Smad1,protein_coding	0.33972399	0.00012245
ENSMUSG00000017188.4,Coa3,protein_coding	0.33967761	0.02682313
ENSMUSG00000038587.11,Akap12,protein_coding	0.33930518	0.01961335
ENSMUSG00000130774.1,ENSMUSG00000130774,lncRNA	0.33916943	0.34373453
ENSMUSG00000099061.4,Gm28050,lncRNA	0.33910907	0.14900417
ENSMUSG00000045287.7,Rtn4rl1,protein_coding	0.33907145	0.02614033
ENSMUSG00000083282.4,Ctsf,protein_coding	0.33902959	0.0062289
ENSMUSG00000121377.2,Gm5113,lncRNA	0.33901725	0.00197382
ENSMUSG00000036599.11,Chst12,protein_coding	0.33888299	0.02429529
ENSMUSG00000073733.5,Cplane2,protein_coding	0.33886619	0.32057076
ENSMUSG00000078143.6,Gm17344,lncRNA	0.33882279	0.14893142
ENSMUSG00000120979.2,Gm56718,lncRNA	0.33873394	0.05600606
ENSMUSG00000040687.17,Madd,protein_coding	0.33867458	0.00822002
ENSMUSG00000052584.11,Serp2,protein_coding	0.33861722	0.05574414
ENSMUSG00000071613.13,Gm10340,protein_coding	0.33852872	0.69041226
ENSMUSG00000027963.15,Extl2,protein_coding	0.3384712	0.00270843
ENSMUSG00000070305.11,Mpzl3,protein_coding	0.33829451	0.0751828
ENSMUSG00000027463.15,Slc52a3,protein_coding	0.33810235	0.37106062
ENSMUSG00000033209.18,Ttc28,protein_coding	0.3380971	0.02493495
ENSMUSG00000023011.9,Faim2,protein_coding	0.33791071	0.01893554
ENSMUSG00000114433.2,Gm48488,lncRNA	0.33790453	0.2652779
ENSMUSG00000120187.2,Gm54266,lncRNA	0.3378572	0.304507
ENSMUSG00000102912.2,Gm20731,TEC	0.33784413	0.34246348
ENSMUSG00000047030.16,Spata2,protein_coding	0.33774566	0.0047693
ENSMUSG00000110980.4,Gm47204,lncRNA	0.3376341	0.06612877
ENSMUSG00000001313.13,Rnd2,protein_coding	0.33758307	0.03268943
ENSMUSG00000110928.2,Gm48114,TEC	0.33755407	0.12019518
ENSMUSG00000130742.1,ENSMUSG00000130742,lncRNA	0.33743661	0.23626699
ENSMUSG00000039004.7,Bmp6,protein_coding	0.3374244	0.07796484
ENSMUSG00000058297.17,Spock2,protein_coding	0.33729393	0.0086371
ENSMUSG00000079056.14,Kcnip3,protein_coding	0.33715506	0.00803679
ENSMUSG00000022416.16,Cacna1i,protein_coding	0.33696186	0.01748716
ENSMUSG00000127130.1,ENSMUSG00000127130,lncRNA	0.3368475	0.48412596
ENSMUSG00000053263.5,Gm12592,lncRNA	0.33672879	0.08001338
ENSMUSG00000034509.10,Mad2l1bp,protein_coding	0.33660097	0.19635625
ENSMUSG00000018428.16,Akap1,protein_coding	0.33658058	0.00119693
ENSMUSG00000029162.16,Khk,protein_coding	0.33640762	0.13969608
ENSMUSG00000013921.16,Clip3,protein_coding	0.33638663	0.00430513
ENSMUSG00000053297.15,AI854703,protein_coding	0.33626571	0.05187678
ENSMUSG00000008734.10,Gprc5b,protein_coding	0.33620816	0.00378865
ENSMUSG00000070056.7,Mfhas1,protein_coding	0.33613858	0.00280864
ENSMUSG00000026797.17,Stxbp1,protein_coding	0.33610335	0.0082418

ENSMUSG00000025815.15,Dhtkd1,protein_coding	0.3358569	0.04037368
ENSMUSG00000028469.16,Npr2,protein_coding	0.33576024	0.01203389
ENSMUSG00000138400.1,ENSMUSG00000138400,lncRNA	0.33571061	0.23270628
ENSMUSG00000010911.13,Apip,protein_coding	0.33559879	0.03069011
ENSMUSG00000049313.9,Sorl1,protein_coding	0.33554885	0.00960071
ENSMUSG00000086970.2,Bcas1os1,lncRNA	0.33547885	0.28226076
ENSMUSG00000027371.11,Fahd2a,protein_coding	0.33541817	0.03020486
ENSMUSG00000048481.16,Mypop,protein_coding	0.33539339	0.03826056
ENSMUSG00000103310.2,Pcdha12,protein_coding	0.3353643	0.01980325
ENSMUSG00000029370.11,Rassf6,protein_coding	0.33535589	0.3384168
ENSMUSG00000039347.8,Atp6v0e2,protein_coding	0.33532	0.03395791
ENSMUSG00000022551.9,Cyc1,protein_coding	0.33514952	0.00458294
ENSMUSG00000039728.16,Slc6a5,protein_coding	0.33501186	0.63069749
ENSMUSG00000044037.16,Als2cl,protein_coding	0.33494067	0.03979332
ENSMUSG00000038390.12,Gpr162,protein_coding	0.3348936	0.01571021
ENSMUSG00000022421.22,Nptxr,protein_coding	0.33488029	0.10800805
ENSMUSG00000048402.15,Gli2,protein_coding	0.33467097	0.08071611
ENSMUSG00000017344.5,Vtn,protein_coding	0.33463781	0.03067784
ENSMUSG00000035735.11,Dagla,protein_coding	0.33459165	0.03899776
ENSMUSG00000041845.12,Rhod,protein_coding	0.33458702	0.44749682
ENSMUSG00000046546.4,Fam43a,protein_coding	0.33432811	0.02526305
ENSMUSG00000021534.9,Cfap90,protein_coding	0.33429189	0.27366013
ENSMUSG00000059149.18,Mfsd4a,protein_coding	0.33426998	0.00630477
ENSMUSG00000126728.1,ENSMUSG00000126728,lncRNA	0.33425621	0.1520326
ENSMUSG00000108196.3,Gm36328,lncRNA	0.33421258	0.30223014
ENSMUSG00000062683.12,Atp5mc2,protein_coding	0.33398709	0.37908853
ENSMUSG00000021263.12,Degs2,protein_coding	0.33386681	0.33169472
ENSMUSG00000022623.18,Shank3,protein_coding	0.33348997	0.0339297
ENSMUSG00000027333.19,Smox,protein_coding	0.33337145	0.01125447
ENSMUSG00000099512.3,Gm28703,lncRNA	0.33331199	0.45225219
ENSMUSG00000022843.18,Clcn2,protein_coding	0.33322451	0.01607467
ENSMUSG00000037151.9,Lrrc20,protein_coding	0.33322391	0.04170534
ENSMUSG00000108390.3,Gm39038,lncRNA	0.33312209	0.18350356
ENSMUSG00000006641.13,Slc5a6,protein_coding	0.33305418	0.01130533
ENSMUSG00000058833.12,Rex1bd,protein_coding	0.3330378	0.01745499
ENSMUSG00000024897.10,Apba1,protein_coding	0.33303349	0.00707717
ENSMUSG00000032010.16,Usp2,protein_coding	0.33302191	0.0140446
ENSMUSG00000047669.9,Msl3l2,protein_coding	0.33294545	0.061101
ENSMUSG00000063543.6,Gm5616,processed_pseudogene	0.33288861	0.65739738
ENSMUSG00000105510.2,Gm43815,TEC	0.3328754	0.10364149
ENSMUSG00000056679.14,Gpr173,protein_coding	0.33281821	0.0091038
ENSMUSG00000040249.16,Lrp1,protein_coding	0.33281501	0.00512443
ENSMUSG00000032020.16,Ubash3b,protein_coding	0.33278558	0.0105518
ENSMUSG00000041577.6,Prelp,protein_coding	0.33278516	0.08622564
ENSMUSG00000037653.8,Kctd8,protein_coding	0.33273268	0.06412994
ENSMUSG00000027952.17,Pmvk,protein_coding	0.33270699	0.02119607
ENSMUSG00000031451.7,Gas6,protein_coding	0.33266524	0.00940426
ENSMUSG00000066705.8,Fxyd6,protein_coding	0.33260188	0.08930763
ENSMUSG00000021483.9,Cdk20,protein_coding	0.33257239	0.01394377
ENSMUSG00000103320.2,Gm37403,TEC	0.33245695	0.29611185
ENSMUSG00000055980.3,Irs1,protein_coding	0.33243493	0.00105307
ENSMUSG00000032006.16,Pdgfd,protein_coding	0.33240672	0.20347893

ENSMUSG00000121196.2,2810461L16Rik,lncRNA	0.33223671	0.33464155
ENSMUSG00000130420.1,ENSMUSG00000130420,lncRNA	0.33212068	0.25587108
ENSMUSG00000054484.15,Tmem62,protein_coding	0.33205582	0.00767181
ENSMUSG00000025876.16,Unc5a,protein_coding	0.332036	0.05387871
ENSMUSG00000107002.2,Ncbp2as2,protein_coding	0.33197704	0.00688976
ENSMUSG00000030499.10,Kctd15,protein_coding	0.33191943	0.12329643
ENSMUSG00000000532.12,Acvr1b,protein_coding	0.33187882	0.00417492
ENSMUSG00000026811.19,St6galnac6,protein_coding	0.33174778	0.00633835
ENSMUSG00000001555.11,Fkbp10,protein_coding	0.33154474	0.24310644
ENSMUSG00000024892.18,Pcx,protein_coding	0.33152961	0.01116805
ENSMUSG00000037049.10,Smpd1,protein_coding	0.33138678	0.01898332
ENSMUSG00000034460.10,Six4,protein_coding	0.33110451	0.09791994
ENSMUSG00000055799.14,Tcf7l1,protein_coding	0.33106758	0.06607788
ENSMUSG00000086191.4,Zfp652os,lncRNA	0.33103613	0.26426641
ENSMUSG00000024208.17,Uqcc2,protein_coding	0.33102906	0.04420399
ENSMUSG00000038545.14,Cul7,protein_coding	0.33094819	0.04374059
ENSMUSG00000029330.9,Cds1,protein_coding	0.3308684	0.0099437
ENSMUSG00000040189.19,Odad1,protein_coding	0.33061713	0.27500725
ENSMUSG00000029088.17,Kcnip4,protein_coding	0.33047473	0.01535231
ENSMUSG00000033316.15,Galnt9,protein_coding	0.33036862	0.03538359
ENSMUSG00000030611.11,Mrps11,protein_coding	0.33033417	0.02896918
ENSMUSG00000039849.7,Pcif1,protein_coding	0.33019354	0.01418965
ENSMUSG00000061576.16,Dpp6,protein_coding	0.33006795	0.00555796
ENSMUSG00000020042.16,Abtb3,protein_coding	0.33006734	0.0288336
ENSMUSG00000044502.17,Bod1,protein_coding	0.32993441	0.00917176
ENSMUSG00000048728.16,Zfp454,protein_coding	0.32987947	0.08476499
ENSMUSG00000020331.11,Hcn2,protein_coding	0.32987477	0.0075045
ENSMUSG00000033720.13,Sfxn5,protein_coding	0.32963089	0.00151946
ENSMUSG00000003531.16,Dgcr6,protein_coding	0.3291852	0.03441113
ENSMUSG00000046182.9,Gsg1l,protein_coding	0.32909982	0.14631122
ENSMUSG00000040605.8,Bace2,protein_coding	0.32906751	0.10927105
ENSMUSG00000046668.10,Cxxc5,protein_coding	0.32903413	0.0026468
ENSMUSG00000036026.16,Tmem63b,protein_coding	0.32891331	0.01479839
ENSMUSG00000033597.10,Caskin1,protein_coding	0.3286992	0.03253238
ENSMUSG00000060594.7,Layn,protein_coding	0.32868305	0.05238496
ENSMUSG00000062075.14,Lmnb2,protein_coding	0.32859629	0.01308316
ENSMUSG00000117278.2,Gm36684,lncRNA	0.32848992	0.15335821
ENSMUSG00000033032.16,Afap1l1,protein_coding	0.32846687	0.04625767
ENSMUSG00000037358.7,Dipk2b,protein_coding	0.32846648	0.30950636
ENSMUSG00000015599.10,Ttbk1,protein_coding	0.3283933	0.01889636
ENSMUSG00000028849.18,Map7d1,protein_coding	0.32836312	0.00659023
ENSMUSG00000037887.12,Dusp8,protein_coding	0.32818146	0.01022009
ENSMUSG00000042073.16,Abhd14b,protein_coding	0.32809112	0.05260075
ENSMUSG00000033065.15,Pfkm,protein_coding	0.32802587	0.0091542
ENSMUSG00000028063.16,Lmna,protein_coding	0.3274878	0.02537959
ENSMUSG00000136446.1,ENSMUSG00000136446,lncRNA	0.32738719	0.21114841
ENSMUSG00000000253.14,Gmpr,protein_coding	0.3273417	0.04136311
ENSMUSG00000025551.14,Fgf14,protein_coding	0.32733702	0.01002422
ENSMUSG00000022895.17,Ets2,protein_coding	0.32733579	0.00178251
ENSMUSG00000036198.13,Arhgap36,protein_coding	0.32725732	0.55124943
ENSMUSG00000034105.10,Meak7,protein_coding	0.32710894	0.02207604
ENSMUSG00000043999.7,Gpr75,protein_coding	0.32708986	0.00792203

ENSMUSG00000022219.11,Cideb,protein_coding	0.32704569	0.2562934
ENSMUSG00000046378.12,Asphd1,protein_coding	0.3270395	0.05752362
ENSMUSG00000026202.14,Tuba4a,protein_coding	0.32695779	0.02295893
ENSMUSG00000026207.17,Speg,protein_coding	0.3268833	0.03981524
ENSMUSG00000018411.18,Mapt,protein_coding	0.32686463	0.00530162
ENSMUSG00000039781.16,Cep131,protein_coding	0.32684527	0.03620491
ENSMUSG00000061046.10,Haghl,protein_coding	0.32682394	0.00990572
ENSMUSG00000028364.16,Tnc,protein_coding	0.32670585	0.09514744
ENSMUSG00000067889.8,Sptbn2,protein_coding	0.32669868	0.05384968
ENSMUSG00000039615.10,Stub1,protein_coding	0.32659168	0.01553045
ENSMUSG00000016427.8,Ndufa1,protein_coding	0.32657793	0.08246258
ENSMUSG00000002771.13,Grin2d,protein_coding	0.3265272	0.14956697
ENSMUSG00000083380.2,Ndufb4c,transcribed_processed_pseudogene	0.32642045	0.06705855
ENSMUSG00000023473.14,Celsr3,protein_coding	0.32639967	0.03702377
ENSMUSG00000020308.8,Tpgs1,protein_coding	0.32620406	0.09560865
ENSMUSG00000042607.16,Asb4,protein_coding	0.32617145	0.56183357
ENSMUSG00000024526.10,Cidea,protein_coding	0.32612577	0.52536008
ENSMUSG00000063382.7,Bcl9l,protein_coding	0.32610011	0.01184575
ENSMUSG00000026239.15,Pde6d,protein_coding	0.32609295	0.01659776
ENSMUSG00000122675.1,ENSMUSG00000122675,lncRNA	0.32604286	0.32717415
ENSMUSG00000026854.17,Usp20,protein_coding	0.32593834	0.0215413
ENSMUSG00000042831.14,Alkbh6,protein_coding	0.32592256	0.01510827
ENSMUSG00000116842.2,Gm49588,TEC	0.32582916	0.21107865
ENSMUSG00000010086.18,Rnf112,protein_coding	0.325683	0.04477208
ENSMUSG00000031520.7,Vegfc,protein_coding	0.32559235	0.13346789
ENSMUSG00000006219.13,Fblim1,protein_coding	0.32556836	0.41829297
ENSMUSG00000041571.11,Selenow,protein_coding	0.32549432	0.03527674
ENSMUSG00000102697.2,Pcdhac2,protein_coding	0.32548109	0.01020642
ENSMUSG00000068876.17,Cgn,protein_coding	0.3252528	0.15587336
ENSMUSG00000104316.2,Gm37909,TEC	0.32521706	0.22024571
ENSMUSG00000024160.18,Spsb3,protein_coding	0.32519521	0.02780392
ENSMUSG00000045333.16,Zfp423,protein_coding	0.32517988	0.0485694
ENSMUSG00000047021.15,Cfap65,protein_coding	0.32507026	0.26224669
ENSMUSG00000047921.19,Trappc9,protein_coding	0.32489805	0.00079071
ENSMUSG00000018554.14,Ybx2,protein_coding	0.32488705	0.35615755
ENSMUSG00000020374.17,Rasgef1c,protein_coding	0.324841	0.1716141
ENSMUSG00000036446.6,Lum,protein_coding	0.32479804	0.46242041
ENSMUSG00000022269.14,Marchf11,protein_coding	0.3247951	0.05056316
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ENSMUSG00000031951.9,Tmem231,protein_coding	0.32468398	0.00406316
ENSMUSG00000033389.17,Arhgap44,protein_coding	0.3246228	0.01087183
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ENSMUSG00000017740.18,Slc12a5,protein_coding	0.32443088	0.0170758
ENSMUSG00000038486.10,Sv2a,protein_coding	0.32424254	0.01435142
ENSMUSG00000078670.4,Fam174b,protein_coding	0.32412228	0.02565972
ENSMUSG00000092470.2,Gm20518,protein_coding	0.32379253	0.22012642
ENSMUSG00000050663.9,Trhde,protein_coding	0.32376678	0.09378015
ENSMUSG00000049532.12,Sall2,protein_coding	0.32368096	0.01117365
ENSMUSG00000028443.7,Nudt2,protein_coding	0.32367988	0.06317993
ENSMUSG00000039706.12,Ldb2,protein_coding	0.32364751	0.03721356
ENSMUSG00000050854.10,Tmem125,protein_coding	0.32352034	0.09970999
ENSMUSG00000029392.13,Rilpl1,protein_coding	0.32334839	0.0200094

ENSMUSG00000025375.16,Aatk,protein_coding	0.32333636	0.00602363
ENSMUSG00000085244.9,Spag17os,lncRNA	0.32331115	0.68382811
ENSMUSG00000004054.10,Map3k11,protein_coding	0.32323376	0.0158863
ENSMUSG00000020955.10,Ap4s1,protein_coding	0.32318432	0.01400659
ENSMUSG00000021773.12,Comtd1,protein_coding	0.32304174	0.153096
ENSMUSG00000020900.16,Myh10,protein_coding	0.32296988	0.00509061
ENSMUSG00000024798.16,Htr7,protein_coding	0.32296912	0.13528303
ENSMUSG00000026895.8,Ndufa8,protein_coding	0.32295223	0.00783546
ENSMUSG00000030495.13,Slc7a10,protein_coding	0.32294444	0.05128607
ENSMUSG00000034341.18,Wbp2,protein_coding	0.32290759	0.00576235
ENSMUSG00000045414.8,Dipk2a,protein_coding	0.32288826	0.14875171
ENSMUSG00000023020.4,Cox14,protein_coding	0.32278685	0.00255882
ENSMUSG00000141733.1,ENSMUSG00000141733,lncRNA	0.32278018	0.42044099
ENSMUSG00000032532.8,Cck,protein_coding	0.32275322	0.21784558
ENSMUSG00000037703.15,Lzts3,protein_coding	0.32274015	0.09263178
ENSMUSG00000004263.16,Atn1,protein_coding	0.32270654	0.02027046
ENSMUSG00000073532.4,Gm7276,lncRNA	0.32258419	0.15357385
ENSMUSG00000116138.2,C030006K11Rik,protein_coding	0.32243483	0.06527738
ENSMUSG00000055305.16,Zfp93,protein_coding	0.3223603	0.01482208
ENSMUSG00000087466.5,A330041J22Rik,lncRNA	0.322098	0.22730809
ENSMUSG00000056222.16,Spock1,protein_coding	0.32199071	0.00447079
ENSMUSG00000040390.14,Map3k10,protein_coding	0.3218261	0.03175627
ENSMUSG00000080465.3,Snord94,snoRNA	0.32169197	0.045236
ENSMUSG00000092216.4,Gm19345,protein_coding	0.32166417	0.38603291
ENSMUSG00000048581.13,E130311K13Rik,protein_coding	0.32165478	0.07516709
ENSMUSG00000022562.16,Oplah,protein_coding	0.32165447	0.03093888
ENSMUSG00000034793.16,G6pc3,protein_coding	0.32160703	0.05372595
ENSMUSG00000033615.10,Cplx1,protein_coding	0.32158887	0.03718377
ENSMUSG00000030337.17,Vamp1,protein_coding	0.32142557	0.09285014
ENSMUSG00000026255.16,Efhd1,protein_coding	0.32135171	0.00603241
ENSMUSG00000052040.11,Klf13,protein_coding	0.32120803	0.00500246
ENSMUSG00000031608.14,Galnt7,protein_coding	0.32105197	0.04588062
ENSMUSG00000036067.13,Slc2a6,protein_coding	0.32103945	0.04685844
ENSMUSG00000074064.7,Mlycd,protein_coding	0.32103808	0.01787078
ENSMUSG00000041697.10,Cox6a1,protein_coding	0.3209854	0.0219532
ENSMUSG00000023909.5,Paqr4,protein_coding	0.32095484	0.02585854
ENSMUSG00000029073.10,Cptp,protein_coding	0.32073543	0.05874298
ENSMUSG00000090129.11,Or10ad1,protein_coding	0.32069575	0.10106919
ENSMUSG00000026525.10,Opn3,protein_coding	0.32063916	0.22589021
ENSMUSG00000143741.1,ENSMUSG00000143741,lncRNA	0.32054952	0.16529119
ENSMUSG00000035948.14,Acss3,protein_coding	0.32049863	0.2733601
ENSMUSG00000039043.6,Arpin,protein_coding	0.32032449	0.0293291
ENSMUSG00000112928.3,Gm47710,lncRNA	0.32031314	0.30575763
ENSMUSG00002076809.1,Gm54754,misc_RNA	0.32028261	0.03165771
ENSMUSG00000032135.16,Mcam,protein_coding	0.32020778	0.0202129
ENSMUSG00000031298.16,Adgrg2,protein_coding	0.32018917	0.40644921
ENSMUSG00000051246.4,Msantd1,protein_coding	0.32010965	0.49611453
ENSMUSG00000020884.16,Asgr1,protein_coding	0.32005197	0.43348178
ENSMUSG00000015790.17,Surf1,protein_coding	0.31995776	0.01248138
ENSMUSG00000034194.19,R3hcc1,protein_coding	0.31985544	0.02103076
ENSMUSG00000002661.15,Alkbh7,protein_coding	0.31977782	0.11717037
ENSMUSG00000032239.11,Rp9,protein_coding	0.31971317	0.00746104

ENSMUSG00000043496.8,Tril,protein_coding	0.31952397	0.00200053
ENSMUSG00000104727.3,Gm42500,lncRNA	0.31946749	0.21538049
ENSMUSG00000028698.14,Pik3r3,protein_coding	0.31944857	0.02600856
ENSMUSG00000048747.15,E130114P18Rik,protein_coding	0.31938137	0.04903938
ENSMUSG00000032942.15,Ucp3,protein_coding	0.3193613	0.19456304
ENSMUSG00000020684.15,Rasl10b,protein_coding	0.31899062	0.07056255
ENSMUSG00000029070.10,Mxra8,protein_coding	0.31887299	0.0567287
ENSMUSG00000043445.8,Pgp,protein_coding	0.31886919	0.00105847
ENSMUSG00000025931.16,Paqr8,protein_coding	0.31883857	0.00600194
ENSMUSG00000027223.16,Mapk8ip1,protein_coding	0.31876722	0.00674639
ENSMUSG00000053310.12,Nrgn,protein_coding	0.31867787	0.16345102
ENSMUSG00000093064.5,Gm23153,misc_RNA	0.31853079	0.24797352
ENSMUSG00000042707.7,Dnali1,protein_coding	0.31847458	0.60645008
ENSMUSG00000053216.16,Btn2a2,protein_coding	0.31846834	0.43570512
ENSMUSG00000026925.17,Inpp5e,protein_coding	0.31840895	0.0015126
ENSMUSG00000045039.10,Megf8,protein_coding	0.31832173	0.02586559
ENSMUSG00000115324.3,4930527F14Rik,lncRNA	0.3183169	0.43421654
ENSMUSG00000021009.16,Ptpn21,protein_coding	0.31829391	0.00962116
ENSMUSG00000121148.2,Gm57393,lncRNA	0.31828964	0.38037573
ENSMUSG00000059674.8,Cdh24,protein_coding	0.31821175	0.1651694
ENSMUSG00000047905.11,Gm8566,processed_pseudogene	0.31820024	0.54672372
ENSMUSG00000141370.1,ENSMUSG00000141370,lncRNA	0.31814547	0.77435021
ENSMUSG00000051065.10,Mb21d2,protein_coding	0.31812481	0.00877303
ENSMUSG00000050222.12,Il17d,protein_coding	0.31798614	0.07839392
ENSMUSG00000023050.10,Map3k12,protein_coding	0.31797881	0.0026813
ENSMUSG00000048905.6,Bnip5,protein_coding	0.31795296	0.18866341
ENSMUSG00000110702.2,Gm45767,lncRNA	0.31785795	0.17807287
ENSMUSG00000027624.21,Epb41l1,protein_coding	0.31770527	0.007147
ENSMUSG00000037326.11,Capn15,protein_coding	0.31766166	0.0119564
ENSMUSG00000039953.14,Clstn1,protein_coding	0.31764274	0.02704085
ENSMUSG00000017639.14,Rab11fip4,protein_coding	0.31748891	0.025363
ENSMUSG00000088008.3,Gm25492,scaRNA	0.31744595	0.13672287
ENSMUSG00000014786.9,Slc9a5,protein_coding	0.31734243	0.01442518
ENSMUSG00000047793.14,Sned1,protein_coding	0.31733475	0.05702669
ENSMUSG00000029348.12,Asphd2,protein_coding	0.31731307	0.03830091
ENSMUSG00000035829.14,Ppp1r26,protein_coding	0.31722604	0.04236754
ENSMUSG00000142736.1,ENSMUSG00000142736,lncRNA	0.31702419	0.20654449
ENSMUSG00000054474.16,Thnsl2,protein_coding	0.31696816	0.21239566
ENSMUSG00000010476.16,Ebf3,protein_coding	0.31696	0.41826901
ENSMUSG00000065176.3,Rnu12,snRNA	0.31683703	0.22615949
ENSMUSG00000024620.13,Pdgfrb,protein_coding	0.31677564	0.03768185
ENSMUSG00000104286.2,Gm37457,TEC	0.31640333	0.56626257
ENSMUSG00000040907.16,Atp1a3,protein_coding	0.31620357	0.02270073
ENSMUSG00000047507.14,Baiap3,protein_coding	0.31593906	0.45302384
ENSMUSG00000016520.8,Lnx2,protein_coding	0.31592913	0.16435924
ENSMUSG00000046447.4,Camk2n1,protein_coding	0.31588333	0.12860305
ENSMUSG00000021217.8,Tshz3,protein_coding	0.31588078	0.05052861
ENSMUSG00000049580.13,Tsku,protein_coding	0.3157006	0.16414122
ENSMUSG00000115124.2,Gm49201,lncRNA	0.31567883	0.21096999
ENSMUSG00000036867.8,Smad6,protein_coding	0.31562063	0.46716832
ENSMUSG00000104868.2,Nwd2os,TEC	0.31550593	0.11680864
ENSMUSG00000027875.13,Hmgcs2,protein_coding	0.31545697	0.22037436

ENSMUSG00000050623.6,Catsperz,protein_coding	0.3154432	0.4272456
ENSMUSG00000003233.13,Dvl3,protein_coding	0.3153946	0.00202948
ENSMUSG00000090667.3,Mdfic2,protein_coding	0.31538671	0.44990972
ENSMUSG00000040435.13,Ppp1r15a,protein_coding	0.31537679	0.02762446
ENSMUSG00000028776.15,Tinagl1,protein_coding	0.31537149	0.16086541
ENSMUSG00000078235.4,Fam43b,protein_coding	0.31530295	0.15028676
ENSMUSG00000027314.7,Dll4,protein_coding	0.31529088	0.22723213
ENSMUSG00000026544.7,Dusp23,protein_coding	0.31511252	0.32560062
ENSMUSG00000070509.16,Rgma,protein_coding	0.31497194	0.03407471
ENSMUSG00000039096.11,Rsad1,protein_coding	0.31488711	0.00766403
ENSMUSG00000041323.7,Ak7,protein_coding	0.31487209	0.53021829
ENSMUSG00000041115.19,Iqsec2,protein_coding	0.31482711	0.04064885
ENSMUSG00000086152.4,Gm11454,lncRNA	0.31478552	0.58936038
ENSMUSG00000026317.8,Cln8,protein_coding	0.31460423	0.00090351
ENSMUSG00000059974.11,Ntm,protein_coding	0.31460388	0.00418159
ENSMUSG00000039461.13,Tcta,protein_coding	0.31454623	0.01282251
ENSMUSG00000055653.14,Gpc3,protein_coding	0.31440731	0.21359737
ENSMUSG00000141777.1,ENSMUSG00000141777,lncRNA	0.31416676	0.47667306
ENSMUSG00000013033.17,Adgrl1,protein_coding	0.31410032	0.02585591
ENSMUSG00000106662.2,Gm43034,TEC	0.31407504	0.3695558
ENSMUSG00000022564.8,Grina,protein_coding	0.3140423	0.01749006
ENSMUSG00000020811.17,Wscd1,protein_coding	0.31394044	0.01293826
ENSMUSG00000038319.15,Kcnh2,protein_coding	0.31393918	0.13432394
ENSMUSG00000001288.16,Rarg,protein_coding	0.31387921	0.02618203
ENSMUSG00000097596.2,Gm26673,lncRNA	0.31386649	0.25187927
ENSMUSG00000020956.15,Dtd2,protein_coding	0.31382828	0.0264477
ENSMUSG00000026185.9,Igfbp5,protein_coding	0.3137857	0.00735394
ENSMUSG00000026220.7,Slc16a14,protein_coding	0.31365004	0.06273252
ENSMUSG00000130040.1,ENSMUSG00000130040,lncRNA	0.31364555	0.50227135
ENSMUSG00000051335.7,Gfod1,protein_coding	0.31363172	0.0181405
ENSMUSG00000024901.16,Peli3,protein_coding	0.31350829	0.01422247
ENSMUSG00000054716.5,Zfp771,protein_coding	0.31350153	0.01802141
ENSMUSG00000041625.16,Ggact,protein_coding	0.31346173	0.10906148
ENSMUSG00000112968.3,Gm48530,lncRNA	0.31340868	0.45135967
ENSMUSG00000024142.16,Mlst8,protein_coding	0.31311956	0.00391572
ENSMUSG00000028246.14,Faxc,protein_coding	0.31299349	0.00502719
ENSMUSG00000003575.14,Crtc1,protein_coding	0.31291341	0.02891498
ENSMUSG00000031708.18,Tecr,protein_coding	0.31276323	0.03124148
ENSMUSG00000003354.7,Ccdc65,protein_coding	0.31276193	0.19209418
ENSMUSG00000034168.8,Irf2bpl,protein_coding	0.31269587	0.00422246
ENSMUSG00000028565.19,Nfia,protein_coding	0.31262036	0.02800179
ENSMUSG00000018459.16,Slc13a3,protein_coding	0.31239194	0.04255512
ENSMUSG00000007476.19,Lrrc8a,protein_coding	0.31215135	0.01655017
ENSMUSG00000104966.2,Gm43273,TEC	0.31197204	0.136346
ENSMUSG00000073616.11,Cops9,protein_coding	0.31190744	0.03531134
ENSMUSG00000087165.10,2010001A14Rik,lncRNA	0.31181473	0.11785673
ENSMUSG00000110067.3,6330411D24Rik,protein_coding	0.31176224	0.25381428
ENSMUSG00000025738.9,Fbxl16,protein_coding	0.31170571	0.09405211
ENSMUSG00000034570.13,Inpp5j,protein_coding	0.3116983	0.02618558
ENSMUSG00000111631.2,Gm32017,lncRNA	0.31167286	0.56730042
ENSMUSG00000030682.5,Cdipt,protein_coding	0.31160285	0.01556984
ENSMUSG00000054457.8,9430021M05Rik,lncRNA	0.3113509	0.05962134

ENSMUSG00000028871.8,Rspo1,protein_coding	0.31131473	0.26944343
ENSMUSG00000011171.12,Vipr2,protein_coding	0.31131023	0.34429057
ENSMUSG00000108594.2,Gm44770,TEC	0.31124194	0.14018713
ENSMUSG00000003410.9,Elavl3,protein_coding	0.31103403	0.00204952
ENSMUSG00000031144.16,Syp,protein_coding	0.31096479	0.04993283
ENSMUSG00000020092.10,Pald1,protein_coding	0.31082075	0.0295151
ENSMUSG00000104735.2,C130075A20Rik,TEC	0.31075553	0.31835927
ENSMUSG00000104061.2,Gm37953,TEC	0.31071728	0.23194133
ENSMUSG00000017754.14,Pltp,protein_coding	0.31066256	0.02036026
ENSMUSG00000035891.17,Cerk,protein_coding	0.31064815	0.01484081
ENSMUSG00000127700.1,ENSMUSG00000127700,lncRNA	0.31061332	0.5277036
ENSMUSG00000135596.1,ENSMUSG00000135596,lncRNA	0.31057679	0.29229901
ENSMUSG00000020496.11,Rnf187,protein_coding	0.3105596	0.0145948
ENSMUSG00000058174.8,Gm5148,protein_coding	0.31027817	0.05137746
ENSMUSG00000036904.7,Fzd8,protein_coding	0.310223	0.12862395
ENSMUSG00000033276.19,Stk36,protein_coding	0.3101895	0.14946066
ENSMUSG00000072568.5,Lratd2,protein_coding	0.31017944	0.08577239
ENSMUSG00000075705.14,Msrb1,protein_coding	0.3100955	0.07556488
ENSMUSG00000070730.12,Rmdn3,protein_coding	0.31007692	0.00040364
ENSMUSG00000032064.18,Dixdc1,protein_coding	0.3100368	0.00452529
ENSMUSG00000002006.13,Pdzd4,protein_coding	0.30995504	0.03638429
ENSMUSG00000086181.3,C230034O21Rik,lncRNA	0.30973521	0.22119934
ENSMUSG00000123602.1,ENSMUSG00000123602,lncRNA	0.3096852	0.09390623
ENSMUSG00000120435.2,Gm57275,lncRNA	0.30967258	0.46817055
ENSMUSG00000020892.11,Aloxe3,protein_coding	0.30965149	0.13197394
ENSMUSG00000003299.11,Mrpl4,protein_coding	0.30957509	0.02019632
ENSMUSG00000029512.12,Ulk1,protein_coding	0.30937372	0.00401546
ENSMUSG00000105966.3,Gm43242,lncRNA	0.30934573	0.34760863
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ENSMUSG00000037216.6,Lipt1,protein_coding	0.30922988	0.17190855
ENSMUSG00000046794.10,Ppp1r3b,protein_coding	0.30920091	0.26546911
ENSMUSG00000022791.20,Tnk2,protein_coding	0.3091736	0.03552725
ENSMUSG00000020732.14,Rab37,protein_coding	0.30910018	0.19630377
ENSMUSG00000026473.18,Glul,protein_coding	0.30906368	0.00279989
ENSMUSG00000032338.10,Hcn4,protein_coding	0.30891957	0.28221966
ENSMUSG00000021904.7,Sema3g,protein_coding	0.30887498	0.05049296
ENSMUSG00000106826.2,Gm42583,TEC	0.3088336	0.27281932
ENSMUSG00000061353.12,Cxcl12,protein_coding	0.30868579	0.05330934
ENSMUSG00000034059.15,Ypel4,protein_coding	0.30807508	0.01067002
ENSMUSG00000102786.2,Gm38252,TEC	0.3080305	0.35310682
ENSMUSG00000109013.2,Gm44723,TEC	0.30797059	0.62279299
ENSMUSG00000020846.7,Rflnb,protein_coding	0.30788107	0.02484987
ENSMUSG00000038055.13,Dexi,protein_coding	0.30785799	0.02512261
ENSMUSG00000108350.2,Gm44950,TEC	0.30781857	0.02366645
ENSMUSG00000015476.7,Prrt1,protein_coding	0.30773115	0.07171715
ENSMUSG00000102900.2,Gm37811,TEC	0.30772301	0.27982274
ENSMUSG00000044948.18,Cfap43,protein_coding	0.30769742	0.43103654
ENSMUSG00000046215.4,Rprml,protein_coding	0.30765895	0.14869822
ENSMUSG00000039477.17,Tnrc18,protein_coding	0.30763775	0.03711474
ENSMUSG00000137773.1,ENSMUSG00000137773,lncRNA	0.30761585	0.5268578
ENSMUSG00000120210.2,Gm57411,lncRNA	0.30754127	0.22956857
ENSMUSG00000098682.11,Otx2os1,lncRNA	0.30738326	0.44681245

ENSMUSG00000066191.13,Anks6,protein_coding	0.30730456	0.11038105
ENSMUSG00000031808.8,Slc27a1,protein_coding	0.30723941	0.00747902
ENSMUSG00000116641.4,Gm41505,lncRNA	0.30712044	0.43165364
ENSMUSG00000111605.2,4632418H02Rik,TEC	0.30705509	0.19991982
ENSMUSG00000040543.17,Pitpnm3,protein_coding	0.30698996	0.03928903
ENSMUSG00000015474.17,Ppt2,protein_coding	0.3069871	0.04658068
ENSMUSG00000048826.8,Dact2,protein_coding	0.30683419	0.14261528
ENSMUSG00000019158.10,Tmem160,protein_coding	0.30677291	0.07967521
ENSMUSG00000046058.8,Eid2,protein_coding	0.30658105	0.04398981
ENSMUSG00000071064.16,Zfp827,protein_coding	0.30648581	0.01285385
ENSMUSG00000109290.2,Phgdh-ps1,processed_pseudogene	0.30637239	0.62093702
ENSMUSG00000113262.2,Gm48551,protein_coding	0.30606552	0.15581118
ENSMUSG00000026765.13,Lypd6b,protein_coding	0.30605067	0.26501194
ENSMUSG00000032840.8,Spring1,protein_coding	0.30603362	0.00092307
ENSMUSG00000087543.3,Gm16576,lncRNA	0.30599489	0.32827409
ENSMUSG00000087334.3,AW495222,lncRNA	0.30599235	0.32876683
ENSMUSG00000120663.2,Gm57279,lncRNA	0.30593188	0.17029233
ENSMUSG00000064605.5,Gm22220,snRNA	0.305892	0.49193234
ENSMUSG00000113488.3,Gm47819,lncRNA	0.30588797	0.36909759
ENSMUSG00000049939.7,Lrrc4,protein_coding	0.30583686	0.03359136
ENSMUSG00000027605.19,Acss2,protein_coding	0.30579311	0.002272
ENSMUSG00000007653.13,Gabrb2,protein_coding	0.30563504	0.0093171
ENSMUSG00000038248.9,Sobp,protein_coding	0.30562795	0.01606125
ENSMUSG00000120343.2,4930434J08Rik,lncRNA	0.30562338	0.17282443
ENSMUSG00000047264.9,Zfp358,protein_coding	0.30560683	0.07458401
ENSMUSG00000031565.20,Fgfr1,protein_coding	0.30551093	0.03123175
ENSMUSG00000070420.5,Zscan25,protein_coding	0.30543395	0.10165971
ENSMUSG00000143077.1,ENSMUSG00000143077,lncRNA	0.30533122	0.30080578
ENSMUSG00000007610.17,Gtpbp3,protein_coding	0.30521451	0.01629688
ENSMUSG00000086316.9,Nbdy,protein_coding	0.3051939	0.07545016
ENSMUSG00000026858.19,Miga2,protein_coding	0.30518557	0.01909223
ENSMUSG00000095407.3,Tmem200c,protein_coding	0.30512355	0.11133818
ENSMUSG00000085795.9,Zfp703,protein_coding	0.30509835	0.01077069
ENSMUSG00000001138.14,Cnnm3,protein_coding	0.30504528	0.00973352
ENSMUSG00000031828.10,Klhl36,protein_coding	0.30503508	0.11087978
ENSMUSG00000103386.2,Gm37751,lncRNA	0.30479036	0.45444609
ENSMUSG00000044986.11,Tst,protein_coding	0.30477681	0.10368068
ENSMUSG00000003199.17,Mpnd,protein_coding	0.30467746	0.02567348
ENSMUSG00000018398.19,Septin8,protein_coding	0.30460277	0.00813956
ENSMUSG00000020894.18,Vamp2,protein_coding	0.3045975	0.03412035
ENSMUSG00000055200.8,Sertad3,protein_coding	0.30459417	0.23987102
ENSMUSG00000022438.7,Parvb,protein_coding	0.30453397	0.02518815
ENSMUSG00000017721.16,Pigt,protein_coding	0.30447374	0.02536785
ENSMUSG00000072214.9,Septin5,protein_coding	0.30446345	0.09655952
ENSMUSG00000025743.15,Sdc3,protein_coding	0.30441236	0.02070722
ENSMUSG00000097239.8,Gm27029,protein_coding	0.30441121	0.45434083
ENSMUSG00000011751.18,Sptbn4,protein_coding	0.30409915	0.04696117
ENSMUSG00000032615.15,Nt5m,protein_coding	0.30393504	0.05934427
ENSMUSG00000020153.15,Ndufs7,protein_coding	0.30393296	0.03868195
ENSMUSG00000049148.9,Plcxd3,protein_coding	0.30384819	0.10068122
ENSMUSG00000002768.9,Mea1,protein_coding	0.30382224	0.03786692
ENSMUSG00000090330.4,9130221H12Rik,lncRNA	0.30380625	0.01404621

ENSMUSG00000053111.14,Fank1,protein_coding	0.30378369	0.35474018
ENSMUSG00000071753.16,Cdr1os,lncRNA	0.30370175	0.21649246
ENSMUSG00000040875.13,Osbpl10,protein_coding	0.30367432	0.09839569
ENSMUSG00000047797.15,Gjb1,protein_coding	0.30359142	0.04997903
ENSMUSG00000051147.11,Nat2,protein_coding	0.30352828	0.54154312
ENSMUSG00000022565.16,Plec,protein_coding	0.30349786	0.00954861
ENSMUSG00000026426.11,Arl8a,protein_coding	0.30345226	0.01936041
ENSMUSG00000075585.5,6330403L08Rik,lncRNA	0.30342933	0.04475821
ENSMUSG00000043448.14,Gjc2,protein_coding	0.30322265	0.106593
ENSMUSG00000030122.14,Ptms,protein_coding	0.30320718	0.06145209
ENSMUSG00000045211.6,Nudt18,protein_coding	0.3032046	0.0162057
ENSMUSG00000042429.10,Adora1,protein_coding	0.30308714	0.02453685
ENSMUSG00000022223.10,Sdr39u1,protein_coding	0.30299395	0.00654251
ENSMUSG00000045929.9,Gm20715,protein_coding	0.30266141	0.32772292
ENSMUSG00000067719.6,Gm10221,transcribed_processed_pseudogene	0.30264572	0.09789
ENSMUSG00000040606.15,Kazn,protein_coding	0.30256742	0.00539134
ENSMUSG00000039133.10,9330171B17Rik,lncRNA	0.30253074	0.22524356
ENSMUSG00000117992.2,Gm41760,lncRNA	0.30242371	0.13165426
ENSMUSG00000023964.16,Calcr,protein_coding	0.30240358	0.58616564
ENSMUSG00000037408.11,Cnnm4,protein_coding	0.30235752	0.05809368
ENSMUSG00000050900.6,Gm7327,transcribed_processed_pseudogene	0.30234627	0.59246714
ENSMUSG00000039911.14,Spsb1,protein_coding	0.3023253	0.05242216
ENSMUSG00000004748.6,Mtfp1,protein_coding	0.30228959	0.12887176
ENSMUSG00000074283.6,Zfp109,protein_coding	0.30225643	0.07477047
ENSMUSG00000112003.2,Gm4864,processed_pseudogene	0.30220152	0.44358708
ENSMUSG00000020614.14,Fam20a,protein_coding	0.30215369	0.07400955
ENSMUSG00000057706.8,Mex3b,protein_coding	0.30195481	0.0392861
ENSMUSG00000000567.6,Sox9,protein_coding	0.30191893	0.00668474
ENSMUSG00000071711.13,Mpst,protein_coding	0.30185426	0.01953415
ENSMUSG00000038738.16,Shank1,protein_coding	0.30176147	0.06447366
ENSMUSG00000032034.7,Kcnj5,protein_coding	0.30170368	0.59175104
ENSMUSG00000111246.2,4930517E14Rik,lncRNA	0.30167329	0.41685551
ENSMUSG00000086665.4,Gm13067,lncRNA	0.30165598	0.29882279
ENSMUSG00000060224.5,Pyroxd2,protein_coding	0.30150814	0.09839299
ENSMUSG00000045009.10,Prrt3,protein_coding	0.30147941	0.05124226
ENSMUSG00000023328.15,Ache,protein_coding	0.30134472	0.13117406
ENSMUSG00000121878.2,Zim3,lncRNA	0.30131845	0.44731561
ENSMUSG00000032038.8,St3gal4,protein_coding	0.30123757	0.01801872
ENSMUSG00000129448.1,ENSMUSG00000129448,lncRNA	0.3011907	0.31644088
ENSMUSG00000096351.3,Samd11,protein_coding	0.30106566	0.34271499
ENSMUSG00000041035.10,Dpcd,protein_coding	0.30102082	0.10237243
ENSMUSG00000052302.7,Tbc1d30,protein_coding	0.30100784	0.01840671
ENSMUSG00000031274.17,Col4a5,protein_coding	0.30100511	0.0920378
ENSMUSG00000019370.11,Calm3,protein_coding	0.30086997	0.02766879
ENSMUSG00000024913.17,Lrp5,protein_coding	0.30079602	0.03032976
ENSMUSG00000028132.16,Tlcd4,protein_coding	0.30075095	0.07380796
ENSMUSG00000038457.18,Tmem255b,protein_coding	0.30073362	0.42834874
ENSMUSG00000047013.16,Fbxo41,protein_coding	0.30057138	0.04718039
ENSMUSG00000037463.15,Fbxo27,protein_coding	0.30038471	0.07977398
ENSMUSG00000070283.5,Ndufaf3,protein_coding	0.30038175	0.05323332
ENSMUSG00000098404.2,Mrip-ps,unprocessed_pseudogene	0.30037963	0.03852471
ENSMUSG00000092192.8,Dnaaf4,protein_coding	0.30030117	0.22247598

ENSMUSG00000020219.8,Timm13,protein_coding	0.30020773	0.10883027
ENSMUSG00002076304.1,Gm55882,misc_RNA	0.30017669	0.27297416
ENSMUSG00000022376.9,Adcy8,protein_coding	0.30009662	0.01881381
ENSMUSG00000046432.13,Bex3,protein_coding	0.30006692	0.07567676
ENSMUSG00000105228.2,Gm43340,TEC	0.29989512	0.13823332
ENSMUSG00000058099.17,Nfam1,protein_coding	0.29981205	0.26479043
ENSMUSG00000026959.14,Grin1,protein_coding	0.29973744	0.0282797
ENSMUSG00000107879.3,9330102E08Rik,translated_unprocessed_pseudog	0.29970396	0.03052692
ENSMUSG00000017764.3,Zswim1,protein_coding	0.29964763	0.0086066
ENSMUSG00000026857.10,Ntmt1,protein_coding	0.2995824	0.08818024
ENSMUSG00000034714.10,Ttyh2,protein_coding	0.2994883	0.01669194
ENSMUSG00000070687.12,Htr1d,protein_coding	0.29946626	0.20557949
ENSMUSG00000082078.2,Gm12098,processed_pseudogene	0.29943981	0.5425963
ENSMUSG00000040724.6,Kcna2,protein_coding	0.29939103	0.00349185
ENSMUSG00000029869.8,Ephb6,protein_coding	0.29927591	0.16735039
ENSMUSG00000026825.18,Dnm1,protein_coding	0.29919931	0.03297743
ENSMUSG00000046947.13,Adck2,protein_coding	0.29899367	0.04068324
ENSMUSG00000032997.17,Chpf,protein_coding	0.29873683	0.03547005
ENSMUSG00000078816.11,Prkcg,protein_coding	0.29848751	0.09900222
ENSMUSG00000020536.13,Llgl1,protein_coding	0.29848075	0.00390145
ENSMUSG00000010064.16,Slc38a3,protein_coding	0.29846634	0.0208081
ENSMUSG00000060961.17,Slc4a4,protein_coding	0.29844533	0.00377996
ENSMUSG00000024847.16,Aip,protein_coding	0.29844381	0.02196421
ENSMUSG00000064264.15,Zfp428,protein_coding	0.29842714	0.13696525
ENSMUSG00000039787.14,Cercam,protein_coding	0.29842284	0.17476199
ENSMUSG00000040310.13,Alx4,protein_coding	0.29839179	0.24869042
ENSMUSG00000108059.2,Gm44369,TEC	0.29832822	0.49837059
ENSMUSG00000068115.14,Ninl,protein_coding	0.29828879	0.04199016
ENSMUSG00000030310.12,Slc6a1,protein_coding	0.29826677	0.00269163
ENSMUSG00000002763.17,Pex6,protein_coding	0.29823762	0.01749982
ENSMUSG00000035828.12,Pim3,protein_coding	0.29813802	0.04081264
ENSMUSG00000036502.15,Tmem255a,protein_coding	0.29813635	0.09472106
ENSMUSG00000032024.11,Clmp,protein_coding	0.29813588	0.07480144
ENSMUSG00000038462.4,Uqcrfs1,protein_coding	0.29800487	0.01520148
ENSMUSG00000140119.1,ENSMUSG00000140119,lncRNA	0.29788158	0.0378847
ENSMUSG00000008036.12,Ap2s1,protein_coding	0.29780668	0.02880138
ENSMUSG00000043964.15,Orai3,protein_coding	0.29773969	0.06380732
ENSMUSG00000062561.4,Gm10118,TEC	0.29771991	0.18922977
ENSMUSG00000075318.14,Scn2a,protein_coding	0.29765042	0.03456242
ENSMUSG00000136983.1,ENSMUSG00000136983,lncRNA	0.29765019	0.32020622
ENSMUSG00002075260.1,Gm54658,misc_RNA	0.29747904	0.15146729
ENSMUSG00000085565.2,Gm15721,lncRNA	0.29743239	0.31119824
ENSMUSG00000087598.10,Zfp111,protein_coding	0.2972919	0.0118016
ENSMUSG00000026556.17,Vangl2,protein_coding	0.29728198	0.01161682
ENSMUSG00000034310.9,Tmem132d,protein_coding	0.29727493	0.1317512
ENSMUSG00000034226.8,Rhov,protein_coding	0.29719763	0.23938107
ENSMUSG00000045838.10,Ccdc9b,protein_coding	0.29709811	0.07051684
ENSMUSG00000018599.6,Mief2,protein_coding	0.29683313	0.05735748
ENSMUSG00000064247.15,Plcxd1,protein_coding	0.29680344	0.25811609
ENSMUSG00000087006.4,Gm13889,protein_coding	0.29673616	0.05526614
ENSMUSG00000073889.11,Il11ra1,protein_coding	0.29671787	0.02516586
ENSMUSG00000029270.11,Dipk1a,protein_coding	0.29667708	0.06197855

ENSMUSG00000008438.4,Adam21,protein_coding	0.29663079	0.31198855
ENSMUSG00000041889.8,Shisa4,protein_coding	0.29651105	0.05569826
ENSMUSG00000018339.13,Gpx3,protein_coding	0.29650896	0.40596937
ENSMUSG00000054252.19,Fgfr3,protein_coding	0.29649102	0.02232662
ENSMUSG00000056413.17,Adap1,protein_coding	0.29645654	0.04630947
ENSMUSG00000026203.17,Dnajb2,protein_coding	0.29634379	0.01612738
ENSMUSG00000041073.11,Nacad,protein_coding	0.29632793	0.02726744
ENSMUSG00000042453.15,Reln,protein_coding	0.2962944	0.1032942
ENSMUSG00000062044.17,Lmtk3,protein_coding	0.29623855	0.1343705
ENSMUSG00000022389.16,Tef,protein_coding	0.29623642	0.02110402
ENSMUSG00000034771.16,Tle2,protein_coding	0.29615113	0.11614075
ENSMUSG00000032850.17,Rnft2,protein_coding	0.29607487	0.03828524
ENSMUSG00000138036.1,Rny1,lncRNA	0.29604008	0.40824732
ENSMUSG00000079494.3,Nat8f5,protein_coding	0.29593624	0.32974412
ENSMUSG00000034586.15,Hid1,protein_coding	0.29593483	0.04612497
ENSMUSG00000036622.16,Atp13a2,protein_coding	0.29581828	0.02480084
ENSMUSG00000036834.18,Plch1,protein_coding	0.29576636	0.01145075
ENSMUSG00000017493.13,Igfbp4,protein_coding	0.29576618	0.12172933
ENSMUSG00000040631.9,Dok4,protein_coding	0.29552616	0.12931325
ENSMUSG00000040811.16,Eml2,protein_coding	0.29546728	0.05565294
ENSMUSG00000028766.11,Alpl,protein_coding	0.29545464	0.27362112
ENSMUSG00000060843.12,Ctnna3,protein_coding	0.29536522	0.08325851
ENSMUSG00000000753.16,Serpinf1,protein_coding	0.2952432	0.17810623
ENSMUSG00000063428.9,Ddo,protein_coding	0.29518724	0.01421622
ENSMUSG00000034145.15,Tmem63c,protein_coding	0.29517238	0.08447092
ENSMUSG00000130984.1,ENSMUSG00000130984,lncRNA	0.29502615	0.17309683
ENSMUSG00000010154.8,Spire2,protein_coding	0.2949622	0.14486086
ENSMUSG00000095440.3,Fignl2,protein_coding	0.29489079	0.15955749
ENSMUSG00000068522.5,Aard,protein_coding	0.2948826	0.21156434
ENSMUSG00000047146.18,Tet1,protein_coding	0.29474444	0.00790861
ENSMUSG00000037490.6,Slc2a12,protein_coding	0.29459381	0.19910896
ENSMUSG00000097146.3,Gm4211,lncRNA	0.29458652	0.22750272
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ENSMUSG00000007721.7,Ccdc124,protein_coding	0.29442388	0.03660958
ENSMUSG00000056698.12,Elmod3,protein_coding	0.2942991	0.02816903
ENSMUSG00000020155.3,Kcnmb1,protein_coding	0.29427119	0.36306609
ENSMUSG00000029121.17,Crmp1,protein_coding	0.29424402	0.02715132
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ENSMUSG00000029050.16,Ski,protein_coding	0.29398134	0.01828526
ENSMUSG00000035357.18,Pdzrn3,protein_coding	0.29381516	0.08190886
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ENSMUSG00000084786.10,Ubl5,protein_coding	0.29380518	0.06910204
ENSMUSG00000020701.13,Tmem132e,protein_coding	0.29380369	0.12294657
ENSMUSG00000040712.17,Camta2,protein_coding	0.29378249	0.04891562
ENSMUSG00000010660.4,Plcd1,protein_coding	0.29375621	0.11788814
ENSMUSG00000030283.8,St8sia1,protein_coding	0.29368704	0.00381202
ENSMUSG00000024941.10,Scyl1,protein_coding	0.29367565	0.00781722
ENSMUSG00000030823.7,Zfp747l1,protein_coding	0.29353099	0.07968172
ENSMUSG00000032657.16,Entrep3,protein_coding	0.29345559	0.0668778
ENSMUSG00000041794.14,Myrip,protein_coding	0.293418	0.05730343
ENSMUSG00000074922.2,Pabir1,protein_coding	0.29332527	0.10577518
ENSMUSG00000026991.21,Pkp4,protein_coding	0.29326989	0.00109748

ENSMUSG00000015095.13,Fbxw5,protein_coding	0.29323392	0.00344146
ENSMUSG00000041650.16,Pcca,protein_coding	0.29318824	0.02078072
ENSMUSG00000059336.15,Slc14a1,protein_coding	0.29312991	0.10235093
ENSMUSG00000022994.10,Adcy6,protein_coding	0.2930215	0.02047573
ENSMUSG00000037541.23,Shank2,protein_coding	0.29301175	0.04429434
ENSMUSG00000085397.3,Gm13524,lncRNA	0.29298722	0.31193168
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ENSMUSG00000030246.13,Ldhb,protein_coding	0.29265412	0.03574701
ENSMUSG00000027859.11,Ngf,protein_coding	0.29262432	0.38571716
ENSMUSG00000035901.15,Dennd5a,protein_coding	0.29258295	0.0005725
ENSMUSG00000070003.8,Ssbp4,protein_coding	0.29256543	0.0609044
ENSMUSG00000032128.16,Robo3,protein_coding	0.2922976	0.26002044
ENSMUSG00000130767.1,ENSMUSG00000130767,lncRNA	0.29225663	0.33179966
ENSMUSG00000014748.14,Tex261,protein_coding	0.29221942	0.00963973
ENSMUSG00000031556.7,Tm2d2,protein_coding	0.29197187	0.00668759
ENSMUSG00000111474.3,Gm32926,lncRNA	0.29192014	0.16607495
ENSMUSG00000120081.1,Gm57354,lncRNA	0.29189295	0.01120376
ENSMUSG00000004934.15,Pias4,protein_coding	0.29181589	0.01059695
ENSMUSG00000048534.8,Jaml,protein_coding	0.29168404	0.55992971
ENSMUSG00000003526.13,Prodh,protein_coding	0.29163947	0.0305409
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ENSMUSG00000020990.6,Cdkl1,protein_coding	0.29153033	0.04150695
ENSMUSG00000054206.3,Gzmm,protein_coding	0.29151956	0.39219624
ENSMUSG00000087675.3,Gm11762,lncRNA	0.29151517	0.24271552
ENSMUSG00000053560.6,Ier2,protein_coding	0.29139306	0.26404701
ENSMUSG00000141786.1,ENSMUSG00000141786,lncRNA	0.29134451	0.53323183
ENSMUSG00000039253.8,Fn3krp,protein_coding	0.29115642	0.0099353
ENSMUSG00000020836.16,Coro6,protein_coding	0.29112555	0.03074609
ENSMUSG00000069227.5,Gprin1,protein_coding	0.29103143	0.10124726
ENSMUSG00000047712.9,Ust,protein_coding	0.29098589	0.04243774
ENSMUSG00000043940.16,Wdfy3,protein_coding	0.29091936	0.00290396
ENSMUSG00000110332.2,Gm19935,protein_coding	0.29090875	0.33155104
ENSMUSG00000032182.16,Yipf2,protein_coding	0.29088959	0.02785826
ENSMUSG00000024180.15,Pgap6,protein_coding	0.29082464	0.01441002
ENSMUSG00000028439.15,Fam219a,protein_coding	0.29070122	0.05724895
ENSMUSG00000044933.4,Sstr3,protein_coding	0.29065392	0.07950299
ENSMUSG00000022362.14,Gm29394,protein_coding	0.29064156	0.34628407
ENSMUSG00000062961.8,Ccdc177,protein_coding	0.2905857	0.02956367
ENSMUSG00000044068.10,Zrsr2-ps1,transcribed_processed_pseudogene	0.2904876	0.02359994
ENSMUSG00000028517.9,Plpp3,protein_coding	0.29048576	0.0035816
ENSMUSG00000030257.17,Srgap3,protein_coding	0.29041416	0.01237795
ENSMUSG00000056895.5,H2bc27,protein_coding	0.29040368	0.17497297
ENSMUSG00000033327.19,Tnxb,protein_coding	0.29032971	0.10172673
ENSMUSG00002075987.1,Gm55636,misc_RNA	0.29011132	0.43747787
ENSMUSG00000035713.16,Usp35,protein_coding	0.29003441	0.01883617
ENSMUSG00000128889.1,ENSMUSG00000128889,lncRNA	0.28999681	0.3555099
ENSMUSG00000003346.15,Abhd17a,protein_coding	0.28990093	0.07441652
ENSMUSG00000031709.16,Tbc1d9,protein_coding	0.28981742	0.0149195
ENSMUSG00000038742.8,Angptl6,protein_coding	0.28981323	0.22331785
ENSMUSG00000102516.2,Gm38340,TEC	0.28979828	0.12613269
ENSMUSG00000119311.1,Gm25988,snoRNA	0.28978794	0.74921992
ENSMUSG00000119606.1,Gm25221,snoRNA	0.28978794	0.74921992

ENSMUSG00000118836.1,Gm23471,snoRNA	0.28978794	0.74921992
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ENSMUSG00000078716.11,Tmem8b,protein_coding	0.28972691	0.06622983
ENSMUSG00000048644.9,Ctxn1,protein_coding	0.2897062	0.24187753
ENSMUSG00000016239.12,Lonrf3,protein_coding	0.28968589	0.05168033
ENSMUSG00000031458.9,Coprs,protein_coding	0.28963556	0.10210172
ENSMUSG00000043013.11,Onecut1,protein_coding	0.28957801	0.36708356
ENSMUSG00000034275.20,Igsf9b,protein_coding	0.28945062	0.03831916
ENSMUSG00000036760.8,Kcnk9,protein_coding	0.28937214	0.0157643
ENSMUSG00000047843.17,Bri3,protein_coding	0.2890571	0.02371371
ENSMUSG00000132317.1,ENSMUSG00000132317,lncRNA	0.28880988	0.46240845
ENSMUSG00000030259.13,Rassf8,protein_coding	0.28877693	0.01406962
ENSMUSG00000080957.2,Gm15739,processed_pseudogene	0.2886825	0.37022678
ENSMUSG00000024870.7,Rab1b,protein_coding	0.28864612	0.02186566
ENSMUSG00000048988.9,Elfn1,protein_coding	0.28864347	0.13903724
ENSMUSG00000073755.5,5730409E04Rik,protein_coding	0.28860039	0.03062865
ENSMUSG00000057895.12,Zfp105,protein_coding	0.28856243	0.19504897
ENSMUSG00000089682.11,Bcl2l2,protein_coding	0.28855752	0.00826604
ENSMUSG00000075478.4,Slitrk1,protein_coding	0.28855695	0.01420019
ENSMUSG00000010057.9,Nprl2,protein_coding	0.28855428	0.07950523
ENSMUSG00000028988.14,Ctnnbip1,protein_coding	0.28848785	0.09412849
ENSMUSG00000040276.16,Pacsin1,protein_coding	0.28843966	0.03369926
ENSMUSG00000073752.4,Gm10570,lncRNA	0.28842972	0.32767684
ENSMUSG00000032558.20,Nphp3,protein_coding	0.28842622	0.00898065
ENSMUSG00000097413.4,A830052D11Rik,lncRNA	0.28838886	0.25022094
ENSMUSG00000120847.1,Gm56991,lncRNA	0.28835158	0.18130781
ENSMUSG00000031974.9,Abcb10,protein_coding	0.28835018	0.04215209
ENSMUSG00000039715.9,Dync2i2,protein_coding	0.28813971	0.09866357
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ENSMUSG00000018470.9,Kcnab3,protein_coding	0.28794856	0.04700392
ENSMUSG00000037349.10,Nudt22,protein_coding	0.28780527	0.18846416
ENSMUSG00000047787.9,Flrt1,protein_coding	0.28778667	0.02228828
ENSMUSG00000030350.9,Prmt8,protein_coding	0.28776673	0.05247422
ENSMUSG00000125206.1,ENSMUSG00000125206,lncRNA	0.28776241	0.48170524
ENSMUSG00000049866.13,Arl4c,protein_coding	0.28775308	0.01743021
ENSMUSG00000038518.16,Jarid2,protein_coding	0.28761824	0.01976386
ENSMUSG00000052369.9,Tmem106c,protein_coding	0.28756577	0.03785522
ENSMUSG00000138774.1,ENSMUSG00000138774,lncRNA	0.28753098	0.25998163
ENSMUSG00000029364.16,Wsb2,protein_coding	0.28750691	0.01435563
ENSMUSG00000061578.10,Ksr2,protein_coding	0.2872059	0.02034055
ENSMUSG00000031865.17,Dctn1,protein_coding	0.28720533	0.03664178
ENSMUSG00000042066.17,Tmcc2,protein_coding	0.28713806	0.0153254
ENSMUSG00000036816.5,Atoh7,protein_coding	0.28708023	0.40876956
ENSMUSG00000120003.2,Gm57201,lncRNA	0.28700341	0.27115099
ENSMUSG00000141936.1,ENSMUSG00000141936,lncRNA	0.28666932	0.45765128
ENSMUSG00000034853.17,Acot11,protein_coding	0.2866589	0.00534464
ENSMUSG00000055538.8,Zcchc24,protein_coding	0.28662854	0.0030773
ENSMUSG00000086596.3,Susd5,protein_coding	0.28659743	0.18330385
ENSMUSG00000104850.3,Gm42901,lncRNA	0.28657768	0.24290066
ENSMUSG00000002546.18,Golga2,protein_coding	0.28649439	0.01111186
ENSMUSG00000022760.18,Thap7,protein_coding	0.28638681	0.02748697
ENSMUSG00000102194.2,Gm38169,TEC	0.28628501	0.10867467

ENSMUSG00000085687.2,Gm16153,lncRNA	0.28626727	0.27046284
ENSMUSG00000054312.7,Mrps21,protein_coding	0.28618007	0.03808156
ENSMUSG00000008167.15,Fbxw9,protein_coding	0.286116	0.13268899
ENSMUSG00000004951.11,Hspb1,protein_coding	0.28606321	0.51418787
ENSMUSG00000030431.9,Tmem238,protein_coding	0.28602637	0.33274643
ENSMUSG00000037971.11,Cfap68,protein_coding	0.28593286	0.06220842
ENSMUSG00000064036.16,Mro,protein_coding	0.28590679	0.0752968
ENSMUSG00000037172.15,Dennd11,protein_coding	0.28584639	0.04628439
ENSMUSG00000042870.16,Tom1,protein_coding	0.28572196	0.07346714
ENSMUSG00000108808.2,Gm45204,TEC	0.28552601	0.13445254
ENSMUSG00000022414.9,Tab1,protein_coding	0.28552288	0.01265599
ENSMUSG00000006575.15,Rundc3a,protein_coding	0.28548555	0.03819827
ENSMUSG00000030847.9,Bag3,protein_coding	0.28543202	0.19793451
ENSMUSG00000116904.2,Gm49640,processed_pseudogene	0.28534555	0.41757555
ENSMUSG00000035674.14,Ndufa3,protein_coding	0.28534321	0.09365965
ENSMUSG00000000126.12,Wnt9a,protein_coding	0.28533116	0.32415829
ENSMUSG00000004952.14,Rasa4,protein_coding	0.28524025	0.20544172
ENSMUSG00000051319.7,Mtln,protein_coding	0.28518257	0.17854045
ENSMUSG00000048376.7,F2r,protein_coding	0.28515739	0.1612538
ENSMUSG00000020864.14,Ankrd40,protein_coding	0.28507668	0.00176008
ENSMUSG00000103715.2,4933431K14Rik,TEC	0.28505002	0.69510236
ENSMUSG00000029875.6,Ccdc184,protein_coding	0.28496293	0.18308579
ENSMUSG00000040111.18,Gramd1b,protein_coding	0.28481323	0.01185554
ENSMUSG00000053646.14,Plxnb1,protein_coding	0.28480705	0.00540429
ENSMUSG00000020261.16,Slc36a1,protein_coding	0.28478155	0.00915307
ENSMUSG00000041309.18,Nkx6-2,protein_coding	0.28475707	0.21105617
ENSMUSG00000020805.15,Slc13a5,protein_coding	0.28464397	0.17793282
ENSMUSG00000063171.7,Rps4l,protein_coding	0.28451787	0.24164353
ENSMUSG00000047547.15,Cltb,protein_coding	0.28450595	0.00756834
ENSMUSG00000020150.14,Gamt,protein_coding	0.28448022	0.23842505
ENSMUSG00000063687.4,Pcdhb5,protein_coding	0.2843592	0.08449763
ENSMUSG00000103906.2,Tigd5,protein_coding	0.28430247	0.06095726
ENSMUSG00000104693.2,Gm42941,lncRNA	0.28426955	0.26101746
ENSMUSG00000001211.16,Agpat3,protein_coding	0.28424302	0.00116322
ENSMUSG00000035168.17,Tanc1,protein_coding	0.28422593	0.02522686
ENSMUSG00000018865.10,Sult4a1,protein_coding	0.28422367	0.05863101
ENSMUSG00000003863.19,Ppfia3,protein_coding	0.28413409	0.05715137
ENSMUSG00000120375.2,Gm56780,lncRNA	0.28413341	0.2519893
ENSMUSG00000023033.15,Scn8a,protein_coding	0.28407862	0.01569075
ENSMUSG00000003813.16,Rad23a,protein_coding	0.28405612	0.01009821
ENSMUSG00000036966.16,Spryd3,protein_coding	0.28403748	0.06404626
ENSMUSG00000036199.10,Ndufa13,protein_coding	0.28399524	0.08303857
ENSMUSG00000020792.16,Exoc7,protein_coding	0.2839453	0.02222874
ENSMUSG00000047976.5,Kcna1,protein_coding	0.28384062	0.018766
ENSMUSG00000006675.11,P4htm,protein_coding	0.28382542	0.04812512
ENSMUSG00000009551.4,6330409D20Rik,lncRNA	0.28376573	0.23212958
ENSMUSG00000000305.13,Cdh4,protein_coding	0.28375696	0.03568321
ENSMUSG00000034312.16,Iqsec1,protein_coding	0.28374641	0.00374529
ENSMUSG00000039391.12,Ccdc81,protein_coding	0.28373651	0.48251432
ENSMUSG00000062762.18,Ei24,protein_coding	0.28343971	0.00540331
ENSMUSG00000120525.2,Gm56755,lncRNA	0.28314236	0.16135172
ENSMUSG00000032109.16,Nlrx1,protein_coding	0.28291362	0.12369708

ENSMUSG00000039349.6,C130074G19Rik,protein_coding	0.2826684	0.25531732
ENSMUSG00000045538.7,Ddx28,protein_coding	0.28265499	0.08944032
ENSMUSG00000055322.17,Tns1,protein_coding	0.28247684	0.03641732
ENSMUSG00000020483.15,Dynll2,protein_coding	0.28241992	0.01378614
ENSMUSG00000040260.9,Daam2,protein_coding	0.28237728	0.01814359
ENSMUSG00000024767.12,Otub1,protein_coding	0.28237686	0.05164284
ENSMUSG00000029279.16,Brdt,protein_coding	0.28226997	0.04809151
ENSMUSG00000031511.17,Arhgef7,protein_coding	0.28217814	0.02758876
ENSMUSG00000029053.17,Prkcz,protein_coding	0.28204713	0.02110641
ENSMUSG00000043857.17,Mgat5b,protein_coding	0.28198116	0.104171
ENSMUSG00000039114.17,Nrn1,protein_coding	0.28197131	0.04545924
ENSMUSG00000079442.13,St6galnac4,protein_coding	0.28194166	0.09453338
ENSMUSG00000058886.10,Deaf1,protein_coding	0.28183304	0.04003263
ENSMUSG00000120926.1,Gm57038,lncRNA	0.28180523	0.23146927
ENSMUSG00000053329.8,Gatd3a,protein_coding	0.28177509	0.01294653
ENSMUSG00000044080.10,S100a1,protein_coding	0.28175047	0.13260559
ENSMUSG00000024654.9,Asrgl1,protein_coding	0.28175037	0.00492917
ENSMUSG00000004267.17,Eno2,protein_coding	0.28162133	0.03009977
ENSMUSG00000040812.15,Agbl2,protein_coding	0.28150846	0.28561186
ENSMUSG00000092680.3,Snord55,snoRNA	0.28148496	0.15585369
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ENSMUSG00000021256.6,Vash1,protein_coding	0.28135844	0.03377361
ENSMUSG00000037012.19,Hk1,protein_coding	0.28117774	0.03633011
ENSMUSG00000024953.18,Prdx5,protein_coding	0.28105261	0.03148538
ENSMUSG00000126752.1,ENSMUSG00000126752,lncRNA	0.28089653	0.63864955
ENSMUSG00000024462.18,Gabbr1,protein_coding	0.28088157	0.02424403
ENSMUSG00000020037.16,Rfx4,protein_coding	0.28075976	0.00736304
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ENSMUSG00000002803.15,Btbd6,protein_coding	0.28057578	0.02682881
ENSMUSG00000051390.11,Zbtb22,protein_coding	0.28056888	0.02399451
ENSMUSG00000028949.14,Smarcd3,protein_coding	0.28054665	0.10526165
ENSMUSG00000020733.4,Nherf1,protein_coding	0.28043407	0.00570129
ENSMUSG00000141748.1,ENSMUSG00000141748,lncRNA	0.28034334	0.18020106
ENSMUSG00000015094.17,Npdc1,protein_coding	0.28033201	0.04652948
ENSMUSG00000085488.3,4930557F10Rik,lncRNA	0.28030226	0.6135542
ENSMUSG00000126016.1,ENSMUSG00000126016,lncRNA	0.28022574	0.40424694
ENSMUSG00000037762.7,Slc16a9,protein_coding	0.28012842	0.0909299
ENSMUSG00000004328.16,Hif3a,protein_coding	0.2800729	0.49430849
ENSMUSG00000042444.11,Mindy2,protein_coding	0.28000097	0.0593509
ENSMUSG00000022208.13,Jph4,protein_coding	0.27993002	0.06692388
ENSMUSG00000068740.15,Celsr2,protein_coding	0.27982252	0.07047832
ENSMUSG00000054850.5,Smim10l2a,protein_coding	0.279782	0.08804756
ENSMUSG00000138390.1,ENSMUSG00000138390,lncRNA	0.27961614	0.33899493
ENSMUSG00000140395.1,ENSMUSG00000140395,lncRNA	0.2795983	0.30976917
ENSMUSG00000037664.14,Cdkn1c,protein_coding	0.27953483	0.22575231
ENSMUSG00000086291.2,Gm15513,lncRNA	0.27947103	0.14006782
ENSMUSG00000022180.8,Slc7a8,protein_coding	0.27946572	0.05712332
ENSMUSG00000027412.13,Lpin3,protein_coding	0.27942045	0.50802053
ENSMUSG00000026609.16,Ush2a,protein_coding	0.27937956	0.30488201
ENSMUSG00000028167.16,Bdh2,protein_coding	0.27935113	0.35801676
ENSMUSG00000075028.13,Prdm11,protein_coding	0.27933118	0.04033723

ENSMUSG00000029598.13,Plbd2,protein_coding	0.27931537	0.01283266
ENSMUSG00000029033.17,Acap3,protein_coding	0.27927113	0.06594031
ENSMUSG00000029636.12,Wasf3,protein_coding	0.27925938	0.00647776
ENSMUSG00000005469.11,Prkaca,protein_coding	0.27923213	0.05155425
ENSMUSG00000043311.8,D17H6S53E,protein_coding	0.27913422	0.01681964
ENSMUSG00000000142.16,Axin2,protein_coding	0.27907256	0.05970129
ENSMUSG00000105389.2,BB187690,TEC	0.27904813	0.3934527
ENSMUSG00000037221.14,Mospd3,protein_coding	0.27904721	0.0780359
ENSMUSG00000015092.10,Edf1,protein_coding	0.27896441	0.05326253
ENSMUSG00000022199.13,Slc22a17,protein_coding	0.27878259	0.1012964
ENSMUSG00000106746.2,2900064F13Rik,TEC	0.27868953	0.33733088
ENSMUSG00000033585.6,Ndn,protein_coding	0.27856002	0.06465441
ENSMUSG00000030397.12,Mark4,protein_coding	0.27844595	0.05106306
ENSMUSG00000093686.2,Gm4705,processed_pseudogene	0.27842324	0.5615789
ENSMUSG00000029554.16,Mad1l1,protein_coding	0.27833523	0.07012243
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ENSMUSG00000104869.2,Gm42544,TEC	0.27814981	0.40224785
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ENSMUSG00000106265.2,Gm42490,TEC	0.27795107	0.16097188
ENSMUSG00000035067.10,Xkr6,protein_coding	0.27789978	0.12849952
ENSMUSG00000000538.19,Tom1l2,protein_coding	0.27789652	0.03036583
ENSMUSG00000043602.6,Zfp3,protein_coding	0.27787654	0.05237247
ENSMUSG00000020682.18,Mmp28,protein_coding	0.27780752	0.26498209
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ENSMUSG00000061143.16,Maml3,protein_coding	0.27767683	0.16887727
ENSMUSG00000032101.7,Ddx25,protein_coding	0.27761008	0.03112261
ENSMUSG00000028036.7,Ptgfr,protein_coding	0.27746914	0.38852518
ENSMUSG00000058709.12,Egln2,protein_coding	0.27746769	0.03058889
ENSMUSG00000018909.16,Arrb1,protein_coding	0.2774164	0.01673366
ENSMUSG00000029020.14,Mfn2,protein_coding	0.27741492	0.01788088
ENSMUSG00000055675.7,Kbtbd11,protein_coding	0.27738974	0.01202009
ENSMUSG00000027570.16,Col9a3,protein_coding	0.27731864	0.15634967
ENSMUSG00000044847.14,Lsm11,protein_coding	0.27730788	0.0174849
ENSMUSG00000037706.18,Cd81,protein_coding	0.27729929	0.01457117
ENSMUSG00000139549.1,ENSMUSG00000139549,lncRNA	0.27729415	0.22466409
ENSMUSG00000002280.12,Ciao3,protein_coding	0.27724749	0.00907398
ENSMUSG00000128625.1,ENSMUSG00000128625,lncRNA	0.27723878	0.31129469
ENSMUSG00000118792.1,Gm25229,snoRNA	0.27719512	0.47984126
ENSMUSG00000130346.1,ENSMUSG00000130346,lncRNA	0.27716461	0.47723566
ENSMUSG00000003154.17,Foxj2,protein_coding	0.27692972	0.00529036
ENSMUSG00000020262.16,Adarb1,protein_coding	0.2768899	0.02465654
ENSMUSG00000086693.4,A730081D07Rik,lncRNA	0.27685734	0.09601302
ENSMUSG00000055013.17,Agap1,protein_coding	0.27682253	0.00519532
ENSMUSG00000075224.11,Lrrc55,protein_coding	0.27676046	0.34408164
ENSMUSG00000043419.12,Rnf227,protein_coding	0.27671479	0.03528434
ENSMUSG00000032348.7,Gsta4,protein_coding	0.2766844	0.09285777
ENSMUSG00000135460.1,ENSMUSG00000135460,lncRNA	0.27665887	0.10522086
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ENSMUSG00000022517.18,Mgrn1,protein_coding	0.27650468	0.02733875
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ENSMUSG00000010803.14,Gabra1,protein_coding	0.27628826	0.04019392
ENSMUSG00000024664.6,Fads3,protein_coding	0.27626179	0.06087085

ENSMUSG00000042524.15,Sun2,protein_coding	0.27623428	0.00444104
ENSMUSG00000022756.18,Slc7a4,protein_coding	0.2762095	0.16117439
ENSMUSG00000031819.14,Emc8,protein_coding	0.27603992	0.00097699
ENSMUSG00000034758.13,Tle6,protein_coding	0.2760212	0.36644464
ENSMUSG00000021959.17,Lats2,protein_coding	0.27587696	0.01824021
ENSMUSG00000068874.14,Selenbp1,protein_coding	0.27580488	0.17210694
ENSMUSG00000108790.2,Gm44806,TEC	0.27578236	0.1411362
ENSMUSG00000059288.15,Cdyl,protein_coding	0.27577842	0.00969977
ENSMUSG00000026098.14,Pms1,protein_coding	0.27576436	0.04966222
ENSMUSG00000029715.6,Pop7,protein_coding	0.27570865	0.14594627
ENSMUSG00000042404.17,Dennd4b,protein_coding	0.27562729	0.01422831
ENSMUSG00000038605.12,Samd10,protein_coding	0.27550088	0.04422868
ENSMUSG00000024743.17,Syt7,protein_coding	0.27550082	0.04529784
ENSMUSG00000014837.16,Matcap1,protein_coding	0.27534305	0.04996286
ENSMUSG00000091811.3,Inafm1,protein_coding	0.2752734	0.056906
ENSMUSG00000041205.9,Map6d1,protein_coding	0.27522198	0.02138986
ENSMUSG00000137581.1,ENSMUSG00000137581,lncRNA	0.2749772	0.28846033
ENSMUSG00000044433.17,Camsap3,protein_coding	0.27478428	0.1224012
ENSMUSG00000107770.2,Gm44126,processed_pseudogene	0.27478384	0.39838144
ENSMUSG00000023259.18,Slc26a6,protein_coding	0.27453726	0.0475355
ENSMUSG00000039886.9,Tmem120a,protein_coding	0.27449374	0.168949
ENSMUSG00000039809.11,Gabbr2,protein_coding	0.27446415	0.04767833
ENSMUSG00000020541.13,Tom1l1,protein_coding	0.27425535	0.02398589
ENSMUSG00000043439.6,Epop,protein_coding	0.27419473	0.29745384
ENSMUSG00000038690.16,Atp5mf,protein_coding	0.27409246	0.04682973
ENSMUSG00000087141.2,Plcxd2,protein_coding	0.27407667	0.00856044
ENSMUSG00000058756.14,Thra,protein_coding	0.27406009	0.07971844
ENSMUSG00000024033.11,Rsph1,protein_coding	0.27400092	0.4670048
ENSMUSG00000026820.6,Ptges2,protein_coding	0.27391785	0.07128773
ENSMUSG00000020848.8,Doc2b,protein_coding	0.27384949	0.05438681
ENSMUSG00000065686.3,Snora5c,snoRNA	0.27384723	0.33043716
ENSMUSG00000026853.16,Crat,protein_coding	0.27384325	0.04437468
ENSMUSG00000029695.14,Aass,protein_coding	0.27382347	0.27240069
ENSMUSG00000064125.15,Prr36,protein_coding	0.27374938	0.17697304
ENSMUSG00000128894.1,ENSMUSG00000128894,lncRNA	0.27370833	0.48087164
ENSMUSG00000097428.3,AW047730,lncRNA	0.273707	0.0701594
ENSMUSG00000030605.16,Mfge8,protein_coding	0.27359714	0.13257859
ENSMUSG00000097493.4,9930014A18Rik,lncRNA	0.27354567	0.28261026
ENSMUSG00000039457.5,Ppl,protein_coding	0.2734943	0.33259302
ENSMUSG00000133902.1,ENSMUSG00000133902,lncRNA	0.27348121	0.31597738
ENSMUSG00000020444.21,Guk1,protein_coding	0.27329074	0.05646168
ENSMUSG00000037966.16,Ninj1,protein_coding	0.27319415	0.11898337
ENSMUSG00000007783.11,Cpt1c,protein_coding	0.27319001	0.04290322
ENSMUSG00000137292.1,ENSMUSG00000137292,lncRNA	0.27315666	0.41291527
ENSMUSG00000042246.6,Tmc7,protein_coding	0.27301535	0.00237763
ENSMUSG00000037410.14,Tbc1d2b,protein_coding	0.27280845	0.00626136
ENSMUSG00000028351.6,Brinp1,protein_coding	0.27269259	0.03827251
ENSMUSG00000046952.10,Gm5815,processed_pseudogene	0.27267945	0.30535515
ENSMUSG00000057177.13,Gsk3a,protein_coding	0.27259395	0.04383024
ENSMUSG00000043020.14,Dnai3,protein_coding	0.27255266	0.61686254
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ENSMUSG00000032593.6,Amigo3,protein_coding	0.27246525	0.41589045
ENSMUSG00000033938.6,Ndufb7,protein_coding	0.27236047	0.02126472
ENSMUSG00000078684.9,5830417I10Rik,transcribed_unprocessed_pseudo	0.27234184	0.43378642
ENSMUSG00000003752.10,Itpkc,protein_coding	0.27227275	0.04032455
ENSMUSG00000034902.18,Pip5k1c,protein_coding	0.27226579	0.03773948
ENSMUSG00000108063.3,Gm3279,lncRNA	0.27224457	0.48662016
ENSMUSG00000000708.15,Kat2b,protein_coding	0.27220133	0.06681395
ENSMUSG00000046380.4,Jrk,protein_coding	0.27214079	0.04559282
ENSMUSG00000074743.5,Thbd,protein_coding	0.27214067	0.19311343
ENSMUSG00000078157.2,Fem1al,protein_coding	0.27213794	0.14083799
ENSMUSG00000048583.18,Igf2,protein_coding	0.27209659	0.21123727
ENSMUSG00000009739.19,Pou6f1,protein_coding	0.27200238	0.03851622
ENSMUSG00000035048.14,Anapc13,protein_coding	0.27198629	0.05497413
ENSMUSG00000025555.15,Farp1,protein_coding	0.27195539	0.01923131
ENSMUSG00000045912.10,C2cd4c,protein_coding	0.27177962	0.22271158
ENSMUSG00000022206.8,Npr3,protein_coding	0.27156736	0.26174902
ENSMUSG00000022257.5,Laptm4b,protein_coding	0.27153215	0.06418273
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ENSMUSG00000035390.17,Brsk1,protein_coding	0.27145862	0.06014373
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ENSMUSG00000045752.14,Tssc4,protein_coding	0.27118832	0.08901461
ENSMUSG00000031791.9,Tmem38a,protein_coding	0.27117909	0.0809795
ENSMUSG00000026421.15,Csrp1,protein_coding	0.2710173	0.0051027
ENSMUSG00000046287.8,Pnma3,protein_coding	0.27099682	0.19633639
ENSMUSG00000034579.18,Pla2g3,protein_coding	0.27097468	0.34650063
ENSMUSG00000044700.16,Tmem201,protein_coding	0.27088478	0.0381091
ENSMUSG00000020668.11,Kif3c,protein_coding	0.27084947	0.0347286
ENSMUSG00000036565.8,Ttyh3,protein_coding	0.27077776	0.05919572
ENSMUSG00000053128.16,Rnf26,protein_coding	0.27077163	0.09963054
ENSMUSG00000132139.1,ENSMUSG00000132139,lncRNA	0.27074546	0.35882298
ENSMUSG00000035863.15,Palm,protein_coding	0.27074449	0.07288817
ENSMUSG00000126789.1,ENSMUSG00000126789,lncRNA	0.27067078	0.11773476
ENSMUSG00000018405.8,Mrm1,protein_coding	0.27066941	0.11100734
ENSMUSG00000039914.7,Coq10a,protein_coding	0.27053528	0.0110982
ENSMUSG00000047394.10,Cimap1b,protein_coding	0.27034868	0.62346399
ENSMUSG00000097558.3,Gm26902,lncRNA	0.27030281	0.47633525
ENSMUSG00000036644.16,Tbc1d9b,protein_coding	0.27027755	0.01493935
ENSMUSG00000031818.13,Cox4i1,protein_coding	0.27018241	0.04243626
ENSMUSG00000037916.15,Ndufv1,protein_coding	0.27016315	0.0558796
ENSMUSG00000009566.13,Fpgs,protein_coding	0.27014551	0.20085858
ENSMUSG00000006205.14,Htra1,protein_coding	0.27013203	0.04540836
ENSMUSG00000026489.14,Coq8a,protein_coding	0.27003238	0.09353248
ENSMUSG00000033124.17,Atg9a,protein_coding	0.27002358	0.04910252
ENSMUSG00000038094.16,Atp13a4,protein_coding	0.27000542	0.007418
ENSMUSG00000070469.13,Adamtsl3,protein_coding	0.26998241	0.23978741
ENSMUSG00000021900.11,Btd,protein_coding	0.26980489	0.13484999
ENSMUSG00000017778.15,Cox7c,protein_coding	0.26978347	0.15780685
ENSMUSG00000041958.11,Pigs,protein_coding	0.26974141	0.02165139
ENSMUSG00000016179.12,Camk1g,protein_coding	0.26971601	0.16007986
ENSMUSG00000027254.14,Map1a,protein_coding	0.26970098	0.04853919
ENSMUSG00000044645.9,Gm7334,processed_pseudogene	0.26960703	0.33531259

ENSMUSG00000110010.2,Gm45629,TEC	0.26944499	0.11951195
ENSMUSG00000021820.19,Camk2g,protein_coding	0.26944347	0.01551251
ENSMUSG00000053004.10,Hrh1,protein_coding	0.26941016	0.1608919
ENSMUSG00000037771.12,Slc32a1,protein_coding	0.26913793	0.03623792
ENSMUSG00000026442.15,Nfasc,protein_coding	0.26910752	0.01015755
ENSMUSG00000019433.10,Gipc1,protein_coding	0.26909625	0.08857936
ENSMUSG00000020644.10,Id2,protein_coding	0.26904789	0.07858289
ENSMUSG00000114708.3,Gm30177,lncRNA	0.26896935	0.32275102
ENSMUSG00000041734.16,Kirrel1,protein_coding	0.26888092	0.05915806
ENSMUSG00000028042.16,Zbtb7b,protein_coding	0.26887562	0.10674968
ENSMUSG00000036949.17,Slc39a12,protein_coding	0.2688029	0.06384781
ENSMUSG00000068735.15,Trp53i11,protein_coding	0.26872535	0.05197066
ENSMUSG00000126157.1,ENSMUSG00000126157,lncRNA	0.2687091	0.18541259
ENSMUSG00000061393.15,Acvr2b,protein_coding	0.26866651	0.03867893
ENSMUSG00000018849.7,Wwc1,protein_coding	0.26858711	0.07453286
ENSMUSG00000035505.15,Cox18,protein_coding	0.26857865	0.02108923
ENSMUSG00000040289.9,Hey1,protein_coding	0.26855394	0.02069384
ENSMUSG00000046574.9,Prr12,protein_coding	0.26848475	0.02275527
ENSMUSG00000032666.17,1700025G04Rik,protein_coding	0.2684537	0.02280649
ENSMUSG00000034614.15,Pik3ip1,protein_coding	0.26843205	0.0402706
ENSMUSG00000124170.1,ENSMUSG00000124170,lncRNA	0.26838383	0.31226556
ENSMUSG00000054434.15,Tmem120b,protein_coding	0.26829718	0.09863592
ENSMUSG00000073096.12,Lrrc61,protein_coding	0.26821434	0.01843653
ENSMUSG00000117356.3,Gm46633,lncRNA	0.26817185	0.36142088
ENSMUSG00000044550.12,Tceal3,protein_coding	0.26816943	0.06315467
ENSMUSG00000029408.14,Abcb9,protein_coding	0.26812545	0.05472636
ENSMUSG00000044792.8,Isca1,protein_coding	0.26808114	0.00215742
ENSMUSG00000038502.18,Ptov1,protein_coding	0.26806559	0.07462175
ENSMUSG00000063681.15,Crb1,protein_coding	0.26806312	0.43735108
ENSMUSG00000039323.19,Igfbp2,protein_coding	0.2680401	0.3004004
ENSMUSG00000001120.16,Pcbp3,protein_coding	0.2680244	0.07810517
ENSMUSG00000103701.3,Gm10728,TEC	0.26802112	0.40864832
ENSMUSG00000038422.3,Hdhd3,protein_coding	0.26800073	0.1358116
ENSMUSG00000129512.1,ENSMUSG00000129512,lncRNA	0.26796509	0.30266009
ENSMUSG00000002308.17,Cd320,protein_coding	0.26796427	0.10116492
ENSMUSG00000051515.12,Fam181b,protein_coding	0.26790375	0.06080055
ENSMUSG00000131621.1,ENSMUSG00000131621,lncRNA	0.26784751	0.15109732
ENSMUSG00000042010.17,Acacb,protein_coding	0.26779848	0.15933412
ENSMUSG00000041757.18,Plekha6,protein_coding	0.2677945	0.03035173
ENSMUSG00000106304.2,Gm42518,lncRNA	0.26770456	0.29656965
ENSMUSG00000063564.14,Col23a1,protein_coding	0.26763733	0.25886808
ENSMUSG00000061013.7,Mkx,protein_coding	0.2676147	0.07790126
ENSMUSG00000054708.18,Ankrd24,protein_coding	0.26758873	0.09829919
ENSMUSG00000103931.2,Gm36962,TEC	0.26757457	0.38069331
ENSMUSG00000039041.16,Adrm1,protein_coding	0.26746678	0.02749406
ENSMUSG00000001089.15,Luzp1,protein_coding	0.2674304	0.00211366
ENSMUSG00000021179.9,Nrde2,protein_coding	0.26731569	0.03397625
ENSMUSG00000043099.6,Hic1,protein_coding	0.26725629	0.4090404
ENSMUSG00000020411.3,Nipal4,protein_coding	0.26724726	0.17486535
ENSMUSG00000097927.3,Gm6999,lncRNA	0.26723781	0.44248565
ENSMUSG00000025139.15,Tollip,protein_coding	0.26716955	0.00534544
ENSMUSG00000041895.16,Wipi1,protein_coding	0.26711065	0.00226325

ENSMUSG00000112941.4,Gm48623,lncRNA	0.26709105	0.18569485
ENSMUSG00000033233.18,Trim45,protein_coding	0.26697175	0.12762829
ENSMUSG00000033565.20,Rbfox2,protein_coding	0.26692844	0.02150436
ENSMUSG00000030555.17,Ttc23,protein_coding	0.26690706	0.18209347
ENSMUSG00000032121.10,Tmem218,protein_coding	0.26686926	0.08740246
ENSMUSG00000030401.17,Rtn2,protein_coding	0.26685348	0.05751181
ENSMUSG00000031539.7,Ap3m2,protein_coding	0.26660183	0.02547259
ENSMUSG00000039910.11,Cited2,protein_coding	0.26659718	0.11455781
ENSMUSG00000029344.16,Tpst2,protein_coding	0.26655659	0.01860309
ENSMUSG00000035372.3,1810055G02Rik,protein_coding	0.2664743	0.04265729
ENSMUSG00000019558.15,Slc6a8,protein_coding	0.26637027	0.01131292
ENSMUSG00000022964.15,Tmem50b,protein_coding	0.2663111	0.01042037
ENSMUSG00000044991.11,Shld1,protein_coding	0.26624141	0.13120215
ENSMUSG00000027238.18,Frmd5,protein_coding	0.26617923	0.00477984
ENSMUSG00000000766.19,Oprm1,protein_coding	0.2661479	0.25596157
ENSMUSG00000046997.6,Spsb4,protein_coding	0.26613487	0.16279727
ENSMUSG00000038331.16,Satb2,protein_coding	0.26607475	0.27773394
ENSMUSG00000060376.8,Bckdha,protein_coding	0.26585704	0.06310808
ENSMUSG00000031360.15,Ctps2,protein_coding	0.26579285	0.00128174
ENSMUSG00000009216.8,Fam163b,protein_coding	0.26577552	0.15416004
ENSMUSG00000004187.12,Kifc2,protein_coding	0.26566283	0.11618364
ENSMUSG00000050705.16,2310061I04Rik,protein_coding	0.26558147	0.07200231
ENSMUSG00000129504.1,A230070E04Rik,lncRNA	0.26552853	0.03265228
ENSMUSG00000071178.12,Serpina1b,protein_coding	0.26551266	0.72013228
ENSMUSG00000103630.2,Gm37242,TEC	0.26550956	0.0961988
ENSMUSG00000090223.3,Pcp4,protein_coding	0.26547843	0.11043447
ENSMUSG00000129597.1,ENSMUSG00000129597,lncRNA	0.26543092	0.37419784
ENSMUSG00000052456.10,Get3,protein_coding	0.26539912	0.04129333
ENSMUSG00000029030.15,Tprg1l,protein_coding	0.26537474	0.00154016
ENSMUSG00000036840.6,Siah1a,protein_coding	0.26537124	0.00713579
ENSMUSG00000032598.9,Nckipsd,protein_coding	0.26536602	0.03300158
ENSMUSG00000020032.15,Nuak1,protein_coding	0.26529399	0.03403522
ENSMUSG00000093908.3,Gm5784,lncRNA	0.26528494	0.30565391
ENSMUSG00000129177.1,ENSMUSG00000129177,lncRNA	0.26527199	0.1741285
ENSMUSG00000070394.11,Tmem256,protein_coding	0.26522584	0.11075273
ENSMUSG00000025499.19,Hras,protein_coding	0.26516037	0.10467478
ENSMUSG00000036078.17,Sigmar1,protein_coding	0.26510736	0.04034843
ENSMUSG00000020376.18,Rnf130,protein_coding	0.26501403	0.01323289
ENSMUSG00000026147.17,Col9a1,protein_coding	0.2648406	0.40719205
ENSMUSG00000027709.10,Mccc1,protein_coding	0.2648022	0.06428737
ENSMUSG00000008318.11,Relt,protein_coding	0.26476492	0.22080117
ENSMUSG00000048960.14,Prex2,protein_coding	0.26452664	0.03910769
ENSMUSG00000028550.16,Atg4c,protein_coding	0.26451605	0.01157732
ENSMUSG00000021313.18,Ryr2,protein_coding	0.26446134	0.05662934
ENSMUSG00000063611.6,Gm10134,lncRNA	0.26442547	0.35726094
ENSMUSG00000022032.15,Scara5,protein_coding	0.26436152	0.55630908
ENSMUSG00000029547.11,Ints1,protein_coding	0.264197	0.02866478
ENSMUSG00000042688.17,Mapk6,protein_coding	0.26418355	0.00664583
ENSMUSG00000026411.18,Tmem9,protein_coding	0.26416279	0.02763582
ENSMUSG00000032788.16,Pdxk,protein_coding	0.26408083	0.02667156
ENSMUSG00000035969.16,Rusc2,protein_coding	0.263845	0.07772674
ENSMUSG00000003352.15,Cacnb3,protein_coding	0.26382157	0.15429413

ENSMUSG00000092492.4,B230208B08Rik,lncRNA	0.26379436	0.24506319
ENSMUSG00000026102.10,Inpp1,protein_coding	0.26373659	0.05889046
ENSMUSG00000060257.3,Scrt2,protein_coding	0.26368324	0.13659225
ENSMUSG00000087221.5,Oxct1as,lncRNA	0.26365583	0.25522504
ENSMUSG00000090958.3,Lrrc32,protein_coding	0.263577	0.17037041
ENSMUSG00000034463.5,Scara3,protein_coding	0.26357368	0.0527242
ENSMUSG00000034520.15,Gjc1,protein_coding	0.26351758	0.18917375
ENSMUSG00000054931.10,Zkscan4,protein_coding	0.26346092	0.19461148
ENSMUSG00000034781.6,Gna11,protein_coding	0.26335902	0.0476199
ENSMUSG00000020657.17,Dnajc27,protein_coding	0.26334447	0.03196667
ENSMUSG00000118332.3,Smim10l3,protein_coding	0.26327189	0.06075143
ENSMUSG00000040877.17,Wdr25,protein_coding	0.26325753	0.07392005
ENSMUSG00000121895.2,ENSMUSG00000121895,lncRNA	0.26325228	0.42989698
ENSMUSG00000021680.9,Crhbp,protein_coding	0.26315198	0.20969841
ENSMUSG00000020823.17,Sec14l1,protein_coding	0.26312389	0.03561692
ENSMUSG00000055629.6,B4galnt4,protein_coding	0.26298457	0.08781553
ENSMUSG00000030125.12,Lrrc23,protein_coding	0.26292131	0.5432347
ENSMUSG00000044042.20,Fmn1,protein_coding	0.26289601	0.05680397
ENSMUSG00000042873.12,Lhfpl4,protein_coding	0.26273565	0.05154119
ENSMUSG00000039059.12,Hrh3,protein_coding	0.26264356	0.2190463
ENSMUSG00000132061.1,ENSMUSG00000132061,lncRNA	0.26262	0.58700681
ENSMUSG00000051359.16,Ncald,protein_coding	0.26261028	0.09819764
ENSMUSG00000097545.10,Mir124a-1hg,lncRNA	0.26250167	0.18167507
ENSMUSG00000029535.5,Triap1,protein_coding	0.26243296	0.06546975
ENSMUSG00000092090.5,Gm3294,lncRNA	0.26218424	0.30291008
ENSMUSG00000021928.10,Ebpl,protein_coding	0.26214567	0.01986193
ENSMUSG00000053040.14,Aph1c,protein_coding	0.26214334	0.03130728
ENSMUSG00000060708.5,Bloc1s4,protein_coding	0.262081	0.08044538
ENSMUSG00000035781.16,R3hdm4,protein_coding	0.26202561	0.093713
ENSMUSG00000043388.9,Tmem130,protein_coding	0.26202139	0.24141603
ENSMUSG00000042744.17,Hectd4,protein_coding	0.26197033	0.01680895
ENSMUSG00000045968.8,Teddm2,protein_coding	0.26195715	0.23724641
ENSMUSG00000045160.15,Bola3,protein_coding	0.26184518	0.03747002
ENSMUSG00000118866.1,Rn7s1,misc_RNA	0.26179397	0.161383
ENSMUSG00000034066.14,Farp2,protein_coding	0.26176748	0.01079991
ENSMUSG00000020357.4,Flt4,protein_coding	0.26172992	0.08269891
ENSMUSG00000085720.10,Gm7854,lncRNA	0.26171362	0.30779248
ENSMUSG00000128549.1,ENSMUSG00000128549,lncRNA	0.26169684	0.20738943
ENSMUSG00000027894.15,Slc6a17,protein_coding	0.26167172	0.05058198
ENSMUSG00000020814.14,Mxra7,protein_coding	0.2616308	0.11307876
ENSMUSG00000085891.9,Gm14634,lncRNA	0.26161783	0.17601933
ENSMUSG00000022474.16,Pmm1,protein_coding	0.26158533	0.05249579
ENSMUSG00000107994.3,D830050J10Rik,lncRNA	0.26154926	0.37344593
ENSMUSG00000030329.12,Pianp,protein_coding	0.26150752	0.10769777
ENSMUSG00000007867.10,Ift43,protein_coding	0.26147803	0.15214215
ENSMUSG00000025468.16,Caly,protein_coding	0.26147225	0.16252892
ENSMUSG00000045980.14,Tmem104,protein_coding	0.26140241	0.02366347
ENSMUSG00000035805.14,Mlc1,protein_coding	0.26133025	0.03339518
ENSMUSG00000127503.1,ENSMUSG00000127503,lncRNA	0.26128481	0.31396049
ENSMUSG00000003476.17,Crhr2,protein_coding	0.26126889	0.45761495
ENSMUSG00000087508.3,Gm14174,lncRNA	0.26125725	0.15421352
ENSMUSG00000048965.10,Mrgpre,protein_coding	0.26124088	0.22367654

ENSMUSG00000003500.14,Impdh1,protein_coding	0.26122601	0.10456758
ENSMUSG00000024050.19,Wiz,protein_coding	0.26116394	0.00992585
ENSMUSG00000025532.14,Crcp,protein_coding	0.2611599	0.03455797
ENSMUSG00000048175.14,Asb8,protein_coding	0.26113327	0.00713414
ENSMUSG00000027525.19,Phactr3,protein_coding	0.2611122	0.02815093
ENSMUSG00000046822.15,Slc39a3,protein_coding	0.26109406	0.05743499
ENSMUSG00000024213.15,Nudt3,protein_coding	0.26099128	0.02078523
ENSMUSG00000034908.17,Sidt2,protein_coding	0.26087704	0.01132984
ENSMUSG00000006576.17,Slc4a3,protein_coding	0.26084774	0.07067304
ENSMUSG00000011096.18,Akt1s1,protein_coding	0.26077795	0.03747206
ENSMUSG00000031168.15,Ebp,protein_coding	0.26075513	0.06552215
ENSMUSG00000044024.17,Rell2,protein_coding	0.26073204	0.11914234
ENSMUSG00000035011.16,Zbtb7a,protein_coding	0.26058682	0.00181531
ENSMUSG00000021097.16,Clmn,protein_coding	0.26049667	0.02189888
ENSMUSG00000105686.3,Gm35394,lncRNA	0.26039789	0.393512
ENSMUSG00000096210.3,H1f0,protein_coding	0.26037184	0.00586229
ENSMUSG00000022620.15,Arsa,protein_coding	0.26027706	0.03068259
ENSMUSG00000112880.4,Gm20337,lncRNA	0.260273	0.22331311
ENSMUSG00000004892.14,Bcan,protein_coding	0.2602459	0.04639041
ENSMUSG00000035561.6,Aldh1b1,protein_coding	0.26020751	0.32688552
ENSMUSG00000026837.17,Col5a1,protein_coding	0.26014911	0.14883876
ENSMUSG00000005615.16,Pcyt1a,protein_coding	0.26013111	0.00329724
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ENSMUSG00000030770.16,Parva,protein_coding	0.25987758	0.02490781
ENSMUSG00000021314.14,Amph,protein_coding	0.25983497	0.03786583
ENSMUSG00000039106.7,Htr5a,protein_coding	0.25982333	0.08894733
ENSMUSG00000032802.9,Srxn1,protein_coding	0.25981244	0.0214004
ENSMUSG00000097216.5,4932441J04Rik,lncRNA	0.25979077	0.1436275
ENSMUSG00000025868.7,Higd2a,protein_coding	0.2597895	0.06130324
ENSMUSG00000073424.10,Cyp4f15,protein_coding	0.25977537	0.25736948
ENSMUSG00000037573.6,Tob1,protein_coding	0.25970359	0.02765456
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ENSMUSG00000035640.20,Cbarp,protein_coding	0.25964968	0.16924058
ENSMUSG00000098176.3,Ccdc166,protein_coding	0.25961954	0.19738378
ENSMUSG00000120312.2,Gm57403,lncRNA	0.25960055	0.10754566
ENSMUSG00000089714.3,Gm16092,lncRNA	0.25956555	0.41232573
ENSMUSG00000078838.6,Gm17382,lncRNA	0.25941484	0.32547996
ENSMUSG00000113028.2,Gm18065,processed_pseudogene	0.2592834	0.37021646
ENSMUSG00000123674.1,ENSMUSG00000123674,lncRNA	0.25927867	0.49219572
ENSMUSG00000056592.15,Zfp175,protein_coding	0.25908647	0.11044553
ENSMUSG00000060985.16,Tdrd5,protein_coding	0.25897598	0.23456671
ENSMUSG00000030725.5,Lipt2,protein_coding	0.25865955	0.3724475
ENSMUSG00000028737.16,Aldh4a1,protein_coding	0.2586513	0.05479461
ENSMUSG00000041117.10,Ccdc8,protein_coding	0.25857941	0.22074573
ENSMUSG00000046500.9,Tafa4,protein_coding	0.25853355	0.66798051
ENSMUSG00000058498.13,Rnf207,protein_coding	0.25850972	0.27302008
ENSMUSG00000096370.9,Gm21992,protein_coding	0.25848866	0.04475604
ENSMUSG00000042272.18,Sestd1,protein_coding	0.25848338	0.02662879
ENSMUSG00000007021.6,Syngr3,protein_coding	0.25839292	0.16162508
ENSMUSG00000036872.17,Abcc12,protein_coding	0.25837826	0.39611491
ENSMUSG00000031453.17,Rasa3,protein_coding	0.25835993	0.00597628
ENSMUSG00000038976.13,Ppp1r9b,protein_coding	0.2583485	0.06738623

ENSMUSG00000024277.15,Mapre2,protein_coding	0.25834582	0.00188214
ENSMUSG00000028541.15,B4galt2,protein_coding	0.2582849	0.16462006
ENSMUSG00000034336.4,Ina,protein_coding	0.25812677	0.02003194
ENSMUSG00000026610.14,Esrrg,protein_coding	0.25809639	0.0948701
ENSMUSG00000051586.18,Mical3,protein_coding	0.25788431	0.0456628
ENSMUSG00000092397.9,Actc1dt,lncRNA	0.25780574	0.65720912
ENSMUSG00000034063.10,4930590J08Rik,protein_coding	0.25768545	0.12845478
ENSMUSG00000019970.16,Sgk1,protein_coding	0.25766666	0.24447299
ENSMUSG00000001985.10,Grik3,protein_coding	0.25752575	0.0784866
ENSMUSG00000033590.9,Myo5c,protein_coding	0.2574924	0.19720915
ENSMUSG00000032193.10,Ldlr,protein_coding	0.25748894	0.07434015
ENSMUSG00000039652.17,Cpeb3,protein_coding	0.25745854	0.00809433
ENSMUSG00000057738.15,Sptan1,protein_coding	0.25728472	0.01222166
ENSMUSG00000028470.11,Hint2,protein_coding	0.25722135	0.13646179
ENSMUSG00000043456.18,Zfp536,protein_coding	0.25716254	0.01516114
ENSMUSG00000039382.13,Wdr45,protein_coding	0.25715487	0.04396717
ENSMUSG00000020868.16,Xylt2,protein_coding	0.25711193	0.10774482
ENSMUSG00000132973.1,ENSMUSG00000132973,lncRNA	0.25707876	0.48676954
ENSMUSG00000103703.3,Gm42568,TEC	0.25702473	0.2361879
ENSMUSG00000023967.10,Mrps18a,protein_coding	0.25697747	0.04642169
ENSMUSG00000048540.9,Nhlh2,protein_coding	0.25695074	0.39449813
ENSMUSG00000032192.10,Gnb5,protein_coding	0.25693774	0.03437356
ENSMUSG00000102101.3,Zbtb11os1,lncRNA	0.25693688	0.26247171
ENSMUSG00000021983.17,Atp8a2,protein_coding	0.25692557	0.02182742
ENSMUSG00000081944.2,Gm12276,processed_pseudogene	0.25688708	0.48362594
ENSMUSG00000060568.15,Fam78b,protein_coding	0.25688115	0.04389146
ENSMUSG00000087301.10,Gm13629,lncRNA	0.25687403	0.1229082
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ENSMUSG00000039515.12,Ptpa,protein_coding	0.2568346	0.01962952
ENSMUSG00000067872.3,Ccdc87,protein_coding	0.2567152	0.28648973
ENSMUSG00000031480.16,Thsd1,protein_coding	0.25670838	0.23617133
ENSMUSG00000055041.9,Commd5,protein_coding	0.2566803	0.17587108
ENSMUSG00000109857.4,Gm53058,lncRNA	0.25657879	0.26195654
ENSMUSG00000028152.11,Tspan5,protein_coding	0.25656896	0.03062666
ENSMUSG00000053819.17,Camk2d,protein_coding	0.25656525	0.02738516
ENSMUSG00000134226.1,ENSMUSG00000134226,lncRNA	0.25653751	0.2375628
ENSMUSG00000034613.13,Ppm1h,protein_coding	0.2565201	0.01586207
ENSMUSG00000049556.6,Lingo1,protein_coding	0.25651929	0.17645792
ENSMUSG00000039157.13,Eeig1,protein_coding	0.25650027	0.02144963
ENSMUSG00000029076.15,Sdf4,protein_coding	0.2564938	0.00243972
ENSMUSG00000022103.11,Gfra2,protein_coding	0.25643059	0.17733601
ENSMUSG00000110790.3,Gm47079,lncRNA	0.2564093	0.44848136
ENSMUSG00000060397.7,Zfp128,protein_coding	0.25639253	0.01150877
ENSMUSG00000021763.19,Cspg4b,protein_coding	0.256373	0.33510028
ENSMUSG00000131263.1,ENSMUSG00000131263,lncRNA	0.25634651	0.5366696
ENSMUSG00000040147.15,Maob,protein_coding	0.25627087	0.21043358
ENSMUSG00000120718.2,Gm56656,lncRNA	0.25621123	0.52957994
ENSMUSG00000022750.19,Klhl22,protein_coding	0.25620939	0.02648683
ENSMUSG00000025037.7,Maoa,protein_coding	0.25608804	0.02623776
ENSMUSG00000103544.4,Gm10048,TEC	0.25603912	0.24687619
ENSMUSG00000072487.12,Mroh5,protein_coding	0.25600882	0.46688329
ENSMUSG00000040591.19,Cstpp1,protein_coding	0.25592771	0.04470863

ENSMUSG00000043633.7,Fam221b,protein_coding	0.25589364	0.19982222
ENSMUSG00000107271.5,BC028471,lncRNA	0.25588162	0.70849056
ENSMUSG00000036748.17,Cuedc2,protein_coding	0.25587521	0.07272516
ENSMUSG00000002732.15,Fkbp7,protein_coding	0.25583298	0.49158635
ENSMUSG00000044117.13,Bmerb1,protein_coding	0.25579157	0.1153256
ENSMUSG00000028847.9,Trappc3,protein_coding	0.25576009	0.01056328
ENSMUSG00000026315.14,Serpinb8,protein_coding	0.25552489	0.33598241
ENSMUSG00000032387.16,Rbpms2,protein_coding	0.2554106	0.2153197
ENSMUSG00000020654.16,Adcy3,protein_coding	0.25538688	0.11231264
ENSMUSG00000030030.6,1700003E16Rik,protein_coding	0.25537503	0.21398211
ENSMUSG00000031812.17,Map1lc3b,protein_coding	0.25534793	0.00501653
ENSMUSG00000030774.14,Pak1,protein_coding	0.25532061	0.02636634
ENSMUSG00000024906.11,Mus81,protein_coding	0.25524901	0.09374322
ENSMUSG00000104965.2,Gm43437,TEC	0.2552404	0.13196029
ENSMUSG00000032816.17,Igdcc4,protein_coding	0.25523785	0.01394933
ENSMUSG00000075012.5,Fjx1,protein_coding	0.25513239	0.08209168
ENSMUSG00000033379.14,Atp6v0b,protein_coding	0.25502355	0.03213458
ENSMUSG00000035198.10,Tubg1,protein_coding	0.25500218	0.08152009
ENSMUSG00000033373.17,Fntb,protein_coding	0.25495025	0.03647337
ENSMUSG00000024914.17,Drap1,protein_coding	0.25491345	0.03745178
ENSMUSG00000037035.6,Inhbb,protein_coding	0.25486405	0.2307273
ENSMUSG00000042289.12,Hsd3b7,protein_coding	0.25472613	0.43335414
ENSMUSG00000079610.10,Ankrd39,protein_coding	0.25465088	0.15302274
ENSMUSG00000040482.17,Dxo,protein_coding	0.2542436	0.22846211
ENSMUSG00000054027.9,Nt5dc3,protein_coding	0.25421325	0.04270308
ENSMUSG00000005533.11,Igf1r,protein_coding	0.25419447	0.00218016
ENSMUSG00000062380.5,Tubb3,protein_coding	0.25418175	0.18259254
ENSMUSG00000036686.17,Cc2d1a,protein_coding	0.25415209	0.05228335
ENSMUSG00000048486.7,Fitm2,protein_coding	0.25392904	0.02799831
ENSMUSG00000102553.2,D930036K23Rik,TEC	0.25388022	0.09399057
ENSMUSG00000062373.9,Tmem65,protein_coding	0.25383236	0.028817
ENSMUSG00000041351.17,Rap1gap,protein_coding	0.25381466	0.10606491
ENSMUSG00000028328.14,Tmod1,protein_coding	0.25376483	0.07268565
ENSMUSG00000105337.6,1700094M23Rik,lncRNA	0.25371491	0.53041983
ENSMUSG00000091329.5,1700112D23Rik,lncRNA	0.25370086	0.37313149
ENSMUSG00000141583.1,ENSMUSG00000141583,lncRNA	0.25361862	0.43260904
ENSMUSG00000033703.10,Fcsk,protein_coding	0.2535825	0.05635886
ENSMUSG00000031950.8,Gabarapl2,protein_coding	0.25356262	0.01108618
ENSMUSG00000030411.17,Nova2,protein_coding	0.25352405	0.10212151
ENSMUSG00000066839.13,Ecsit,protein_coding	0.25352075	0.02661332
ENSMUSG00000042745.10,Id1,protein_coding	0.25350735	0.26172906
ENSMUSG00000036611.6,Eepd1,protein_coding	0.25348104	0.08211154
ENSMUSG00000089255.3,Snora78,snoRNA	0.2534721	0.18729184
ENSMUSG00000039725.7,Trp53rka,protein_coding	0.25343211	0.02431867
ENSMUSG00000118715.1,Gm23805,snRNA	0.25340547	0.578112
ENSMUSG00000034501.8,Pcnx4,protein_coding	0.25325348	0.00827428
ENSMUSG00000028848.14,Gpn2,protein_coding	0.25319186	0.32088521
ENSMUSG00000025144.18,Cenpx,protein_coding	0.25310454	0.27805643
ENSMUSG00000026999.15,Nup35,protein_coding	0.25309592	0.11925638
ENSMUSG00000008575.18,Nfib,protein_coding	0.25303432	0.11775865
ENSMUSG00000042419.9,Nfkbil1,protein_coding	0.25293853	0.14784381
ENSMUSG00000024827.11,Gldc,protein_coding	0.25291236	0.1148895

ENSMUSG00000038146.9,Notch3,protein_coding	0.25280428	0.08575091
ENSMUSG00000030718.10,Ppme1,protein_coding	0.25278958	0.08264136
ENSMUSG00000003068.18,Stk11,protein_coding	0.25276311	0.01059658
ENSMUSG00000030032.15,Wdr54,protein_coding	0.25265927	0.17381055
ENSMUSG00000060279.16,Ap2a1,protein_coding	0.25259505	0.0741588
ENSMUSG00000097350.5,4732491K20Rik,lncRNA	0.25256475	0.0310555
ENSMUSG00000006024.14,Napa,protein_coding	0.25251924	0.01174672
ENSMUSG00000042182.17,Bend6,protein_coding	0.25240235	0.02530175
ENSMUSG00000048200.13,Cracr2b,protein_coding	0.25232333	0.52875583
ENSMUSG00000077254.3,Gm26079,snoRNA	0.25216387	0.12044466
ENSMUSG00000034926.4,Dhcr24,protein_coding	0.25216339	0.08144404
ENSMUSG00000023089.13,Ndufa5,protein_coding	0.25211637	0.03541329
ENSMUSG00000104392.2,Gm37962,TEC	0.25210833	0.15431191
ENSMUSG00000049791.5,Fzd4,protein_coding	0.25206222	0.09637264
ENSMUSG00000134879.1,ENSMUSG00000134879,lncRNA	0.25199504	0.58616298
ENSMUSG00000132292.1,ENSMUSG00000132292,lncRNA	0.25193949	0.48014505
ENSMUSG00000039678.13,Tbc1d13,protein_coding	0.25193156	0.03139893
ENSMUSG00000058793.15,Cds2,protein_coding	0.25192901	0.02068467
ENSMUSG00000042121.17,Ssh1,protein_coding	0.25189929	0.00333631
ENSMUSG00000085828.2,Gm15612,lncRNA	0.25187409	0.33436884
ENSMUSG00000026113.18,Inpp4a,protein_coding	0.25180957	0.01010688
ENSMUSG00000026173.17,Plcd4,protein_coding	0.25171938	0.08257558
ENSMUSG00000022296.11,Baalc,protein_coding	0.25170388	0.07601984
ENSMUSG00000128262.1,ENSMUSG00000128262,lncRNA	0.25167115	0.1733335
ENSMUSG00000027712.14,Anxa5,protein_coding	0.25164586	0.06814946
ENSMUSG00000100347.2,Gm7895,processed_pseudogene	0.25161092	0.51858317
ENSMUSG00000061451.14,Tmem151a,protein_coding	0.25160091	0.18601716
ENSMUSG00000032171.8,Pin1,protein_coding	0.25155435	0.01259104
ENSMUSG00000005986.17,Ankrd13d,protein_coding	0.25144707	0.136133
ENSMUSG00000019066.14,Rab3d,protein_coding	0.25143222	0.14516303
ENSMUSG00000027374.13,Mrps5,protein_coding	0.25137292	0.00290361
ENSMUSG00000026790.20,Odf2,protein_coding	0.25131785	0.06935195
ENSMUSG00000039016.6,Timm8b,protein_coding	0.25129	0.06809332
ENSMUSG00000107091.2,Gm43343,TEC	0.25126065	0.17446018
ENSMUSG00000139771.1,ENSMUSG00000139771,lncRNA	0.25112449	0.31001885
ENSMUSG00000022262.9,Dnah5,protein_coding	0.25111502	0.24214142
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ENSMUSG00000055782.10,Abcd2,protein_coding	0.25100335	0.02008487
ENSMUSG00000122073.1,ENSMUSG00000122073,lncRNA	0.25099164	0.42204677
ENSMUSG00000038473.15,Nos1ap,protein_coding	0.25088975	0.09416839
ENSMUSG00000031958.17,Ldhd,protein_coding	0.25081513	0.08184914
ENSMUSG00000025484.10,Bet1l,protein_coding	0.25073736	0.01831341
ENSMUSG00000021363.15,Mak,protein_coding	0.25073431	0.21159889
ENSMUSG00000002233.14,Rhoc,protein_coding	0.25070081	0.16117796
ENSMUSG00000097626.8,4921504A21Rik,lncRNA	0.25068822	0.06561782
ENSMUSG00000097404.4,Gm10814,lncRNA	0.25068801	0.49027767
ENSMUSG00000034245.11,Hdac11,protein_coding	0.25067184	0.11634988
ENSMUSG00000107283.4,Mpv17,protein_coding	0.25065826	0.00641674
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ENSMUSG00000005575.17,Ube2m,protein_coding	0.25044714	0.02865471
ENSMUSG00000021466.13,Ptch1,protein_coding	0.25036767	0.01532462
ENSMUSG00000037351.10,Actr1b,protein_coding	0.25036654	0.0447052

ENSMUSG00000064329.15,Scn1a,protein_coding	0.2503506	0.01065895
ENSMUSG00000078179.2,Rnf148,protein_coding	0.25032722	0.53575094
ENSMUSG00000110446.2,Gm18646,processed_pseudogene	0.2501818	0.32438515
ENSMUSG00000024236.19,Svil,protein_coding	0.25016507	0.01885792
ENSMUSG00000059316.3,Slc27a4,protein_coding	0.25015609	0.10138617
ENSMUSG00000019894.15,Slc6a15,protein_coding	0.2500177	0.02626232
ENSMUSG00000055567.19,Unc80,protein_coding	0.25000919	0.006036
ENSMUSG00000025175.13,Fn3k,protein_coding	0.24999684	0.01662505
ENSMUSG00000078794.5,Dact3,protein_coding	0.24996264	0.13168979
ENSMUSG00000037656.10,Slc20a2,protein_coding	0.24990708	0.02717866
ENSMUSG00000074457.11,S100a16,protein_coding	0.24984652	0.07278372
ENSMUSG00000032633.13,Flcn,protein_coding	0.24983886	0.00648698
ENSMUSG00000047844.4,Bex4,protein_coding	0.2498336	0.20989617
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ENSMUSG00000029029.15,Wrap73,protein_coding	0.24970866	0.04158405
ENSMUSG00000097055.4,Gm4419,lncRNA	0.24966988	0.55106973
ENSMUSG00000030314.17,Atg7,protein_coding	0.24957383	0.01563675
ENSMUSG00000039206.14,Daglb,protein_coding	0.24942759	0.01086521
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ENSMUSG00000017734.16,Dbndd2,protein_coding	0.24930215	0.00981605
ENSMUSG00000054863.10,Tafa5,protein_coding	0.24929742	0.06192324
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ENSMUSG00000022240.11,Ctnnd2,protein_coding	0.24924927	0.04138075
ENSMUSG00000106475.2,Gm43011,TEC	0.24923832	0.2449118
ENSMUSG00000121894.2,Gm3248,lncRNA	0.24922542	0.46098726
ENSMUSG00000032898.10,Fbxo21,protein_coding	0.24921627	0.03917019
ENSMUSG00000059995.13,Atxn7l3,protein_coding	0.24917748	0.06051042
ENSMUSG00000121607.1,Nlgn4l,protein_coding	0.24908429	0.03041868
ENSMUSG00000046240.9,Hepacam,protein_coding	0.24903716	0.00526763
ENSMUSG00000063919.12,Srrm4,protein_coding	0.24893998	0.13290858
ENSMUSG00000029071.17,Dvl1,protein_coding	0.2488145	0.00971809
ENSMUSG00000050840.9,Cdh20,protein_coding	0.24874585	0.0319838
ENSMUSG00000038150.8,Ormdl3,protein_coding	0.24869169	0.02112397
ENSMUSG00000030878.12,Cdr2,protein_coding	0.24868442	0.10283853
ENSMUSG00000067547.7,Gm7666,transcribed_processed_pseudogene	0.24867505	0.66601159
ENSMUSG00000003072.16,Atp5f1d,protein_coding	0.24859111	0.05772413
ENSMUSG00000035615.13,Frmpd1,protein_coding	0.24857443	0.02801414
ENSMUSG00000031434.16,Morc4,protein_coding	0.24848094	0.12214374
ENSMUSG00000123948.1,ENSMUSG00000123948,lncRNA	0.2484362	0.53110475
ENSMUSG00000037692.15,Ahdc1,protein_coding	0.24843569	0.0975522
ENSMUSG00000061410.7,Zcchc14,protein_coding	0.2483926	0.05597297
ENSMUSG00000018574.15,Acadvl,protein_coding	0.24838823	0.0790928
ENSMUSG00000042046.16,Dstyk,protein_coding	0.24834793	0.0065512
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ENSMUSG00000109489.2,Gm7451,processed_pseudogene	0.24828563	0.36863123
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ENSMUSG00000048232.13,Fbxo10,protein_coding	0.24802488	0.11651433
ENSMUSG00000009731.5,Kcnd1,protein_coding	0.24791448	0.06829926

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ENSMUSG00000048832.10,Vps37c,protein_coding	0.24780987	0.05284772
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ENSMUSG00000130204.1,ENSMUSG00000130204,lncRNA	0.24761016	0.36837265
ENSMUSG00000105340.6,Gm42878,protein_coding	0.24754912	0.15559415
ENSMUSG00000001482.16,Def8,protein_coding	0.24739236	0.02793763
ENSMUSG00000043051.19,Disc1,protein_coding	0.24730233	0.32699134
ENSMUSG00000042903.9,Foxo4,protein_coding	0.2472682	0.00689866
ENSMUSG00000133186.1,ENSMUSG00000133186,lncRNA	0.24725895	0.55660467
ENSMUSG00000000282.13,Mnt,protein_coding	0.24725041	0.02495323
ENSMUSG00000142613.1,ENSMUSG00000142613,lncRNA	0.2472009	0.23841131
ENSMUSG00000021594.12,Srd5a1,protein_coding	0.24719016	0.15641844
ENSMUSG00000044197.9,Gpr146,protein_coding	0.24713815	0.03242542
ENSMUSG00000104661.2,Gm42768,TEC	0.24713369	0.20497762
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ENSMUSG00000042662.17,Dusp15,protein_coding	0.24708114	0.02645971
ENSMUSG00000046861.10,Hectd3,protein_coding	0.2470809	0.00992411
ENSMUSG00000028331.13,Trmo,protein_coding	0.24702042	0.44444051
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ENSMUSG00000028195.5,Ccn1,protein_coding	0.24701322	0.36377484
ENSMUSG00000029922.16,Mkrn1,protein_coding	0.24686154	0.00636942
ENSMUSG00000033721.17,Vav3,protein_coding	0.24681817	0.22147937
ENSMUSG00000021905.15,Dph3,protein_coding	0.24657828	0.02943608
ENSMUSG00000019772.6,Vip,protein_coding	0.24653737	0.3655164
ENSMUSG00000023175.16,Bsg,protein_coding	0.2464943	0.01280243
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ENSMUSG00000002210.12,Smg9,protein_coding	0.24643689	0.04367209
ENSMUSG00000055128.16,Cgrrf1,protein_coding	0.24636378	0.01683046
ENSMUSG00000031104.3,Rab33a,protein_coding	0.2461484	0.23323142
ENSMUSG00000019054.14,Fis1,protein_coding	0.24592927	0.0585989
ENSMUSG00000022265.8,Ank,protein_coding	0.2458226	0.00675599
ENSMUSG00000063810.8,Alms1,protein_coding	0.24576001	0.21267572
ENSMUSG00000029557.8,Mrm2,protein_coding	0.24571157	0.19932386
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ENSMUSG00000047766.16,Lrrc49,protein_coding	0.24561979	0.00564255
ENSMUSG00000024118.15,Tedc2,protein_coding	0.24561438	0.17697428
ENSMUSG00000041241.13,Mul1,protein_coding	0.24551637	0.06583461
ENSMUSG00000028857.17,Tmem222,protein_coding	0.24543917	0.07924852
ENSMUSG00000013419.8,Zbtb47,protein_coding	0.24543799	0.08204413
ENSMUSG00000030842.13,Lamtor1,protein_coding	0.24537915	0.0310984
ENSMUSG00000031026.16,Trim66,protein_coding	0.24534091	0.14058184
ENSMUSG00000039577.18,Nphp4,protein_coding	0.24532347	0.13907025
ENSMUSG00000006403.14,Adamts4,protein_coding	0.24529697	0.06533
ENSMUSG00000031925.18,Maml2,protein_coding	0.24525194	0.06009402
ENSMUSG00000031782.16,Coq9,protein_coding	0.24510948	0.00939658
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ENSMUSG00000038871.6,Bpgm,protein_coding	0.24503259	0.02006243
ENSMUSG00000022217.15,Emc9,protein_coding	0.24498808	0.06717863
ENSMUSG00000092375.3,A730060N03Rik,lncRNA	0.24496618	0.20869089
ENSMUSG00000030530.16,Furin,protein_coding	0.24495732	0.04967716
ENSMUSG00000008140.19,Emc10,protein_coding	0.24495003	0.13084168
ENSMUSG00000001053.16,N4bp3,protein_coding	0.24489855	0.27320905

ENSMUSG00000033170.15,Card10,protein_coding	0.24487994	0.34519966
ENSMUSG00000135685.1,ENSMUSG00000135685,lncRNA	0.24485038	0.24870809
ENSMUSG00000039850.17,Endov,protein_coding	0.24483595	0.00873799
ENSMUSG00000002781.20,Tmem143,protein_coding	0.24483221	0.05541917
ENSMUSG00000030094.9,Xpc,protein_coding	0.24481014	0.06499524
ENSMUSG00000097320.10,Tmem147os,lncRNA	0.24478767	0.15458518
ENSMUSG00000109946.2,Brd3os,protein_coding	0.24474574	0.13479635
ENSMUSG00000028957.13,Per3,protein_coding	0.2447271	0.02949117
ENSMUSG00000091780.4,Sco2,protein_coding	0.2447202	0.18235003
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ENSMUSG00000022841.16,Ap2m1,protein_coding	0.24460205	0.07867317
ENSMUSG00000030037.10,Mrpl53,protein_coding	0.24451817	0.04899436
ENSMUSG00000124734.1,ENSMUSG00000124734,lncRNA	0.2445155	0.55128697
ENSMUSG00000068742.12,Cry2,protein_coding	0.24442565	0.03715063
ENSMUSG00000126352.1,ENSMUSG00000126352,lncRNA	0.24440448	0.3857203
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ENSMUSG00000037373.13,Ctbp1,protein_coding	0.24428421	0.00820863
ENSMUSG00000107878.2,Gm44106,TEC	0.24421782	0.54956638
ENSMUSG00000083889.5,E530001F21Rik,processed_pseudogene	0.24420402	0.26120676
ENSMUSG00000032796.9,Lama1,protein_coding	0.244126	0.16945499
ENSMUSG00000045087.9,S1pr5,protein_coding	0.24412118	0.05256448
ENSMUSG00000036591.17,Arhgap21,protein_coding	0.24400967	0.04107335
ENSMUSG00000028838.12,Extl1,protein_coding	0.24386824	0.24248246
ENSMUSG00000110914.2,Gm48611,TEC	0.24386312	0.30259706
ENSMUSG00000060147.16,Serpinb6a,protein_coding	0.24380213	0.03191761
ENSMUSG00000031983.8,2310022B05Rik,protein_coding	0.24378231	0.04996514
ENSMUSG00000074466.15,Gm15417,lncRNA	0.24373927	0.19184461
ENSMUSG00000032897.18,Nfyc,protein_coding	0.24373426	0.01206173
ENSMUSG00000039252.12,Lgi2,protein_coding	0.24366987	0.08541609
ENSMUSG00000027273.14,Snap25,protein_coding	0.24354444	0.10063826
ENSMUSG00000020877.12,Scrn2,protein_coding	0.24353786	0.46849508
ENSMUSG00000046572.11,Zfp518b,protein_coding	0.24348311	0.0325923
ENSMUSG00000033365.15,Ipo13,protein_coding	0.24343638	0.01530311
ENSMUSG00000085254.2,Gm15881,processed_pseudogene	0.24334348	0.47937621
ENSMUSG00000025402.13,Nab2,protein_coding	0.24330997	0.06344111
ENSMUSG00000028101.19,Pias3,protein_coding	0.2431602	0.07067396
ENSMUSG00000025227.15,Mfsd13a,protein_coding	0.24312881	0.21961731
ENSMUSG00000025856.16,Pdgfa,protein_coding	0.24310603	0.02604259
ENSMUSG00000045348.17,Nyap1,protein_coding	0.24303636	0.12713077
ENSMUSG00000096956.5,Snhg18,lncRNA	0.24302813	0.30925042
ENSMUSG00000043301.17,Kcnj6,protein_coding	0.24302374	0.09474141
ENSMUSG00000085655.7,Gm15952,lncRNA	0.2430177	0.42400814
ENSMUSG00000053119.12,Chmp3,protein_coding	0.24295194	0.00655807
ENSMUSG00000134611.1,ENSMUSG00000134611,lncRNA	0.24293708	0.4047635
ENSMUSG00000047261.10,Gap43,protein_coding	0.24290071	0.14532027
ENSMUSG00000087679.3,Tmem250,protein_coding	0.24283841	0.0231668
ENSMUSG00000036815.18,Dpp10,protein_coding	0.24270592	0.07361061
ENSMUSG00000070461.4,9230112E08Rik,lncRNA	0.24257124	0.09050487
ENSMUSG00000129409.1,ENSMUSG00000129409,lncRNA	0.24256558	0.40131483
ENSMUSG00000140290.1,ENSMUSG00000140290,lncRNA	0.24252632	0.22780904
ENSMUSG00000006395.18,Hyi,protein_coding	0.24248369	0.4095039
ENSMUSG00002076601.1,Scarna13,scaRNA	0.24235573	0.11486523

ENSMUSG00000024772.10,Ehd1,protein_coding	0.24228791	0.08201429
ENSMUSG00000115422.3,4930452G13Rik,lncRNA	0.24228628	0.4259246
ENSMUSG00000000308.15,Ckmt1,protein_coding	0.24225966	0.12337137
ENSMUSG00000087038.12,2900079G21Rik,lncRNA	0.24222217	0.26918576
ENSMUSG00000008999.8,Bmp7,protein_coding	0.24218162	0.21854525
ENSMUSG00000032826.20,Ank2,protein_coding	0.24214619	0.01198485
ENSMUSG00000027298.18,Tyro3,protein_coding	0.24208312	0.09782532
ENSMUSG00000019647.18,Sema6a,protein_coding	0.24204097	0.01970768
ENSMUSG00000116180.2,Gm49492,lncRNA	0.24202757	0.21862593
ENSMUSG00000003070.7,Efna2,protein_coding	0.24198017	0.17032965
ENSMUSG00000045967.12,Gpr158,protein_coding	0.24196431	0.03905595
ENSMUSG00000036111.9,Lmo1,protein_coding	0.24194378	0.36267373
ENSMUSG00000097885.9,5031434O11Rik,lncRNA	0.24177595	0.12442108
ENSMUSG00000002346.18,Slc25a42,protein_coding	0.24174418	0.08675014
ENSMUSG00000024486.7,Hbegf,protein_coding	0.24173047	0.10687065
ENSMUSG00000064851.3,Gm24525,snRNA	0.241729	0.57832155
ENSMUSG00000028763.19,Hspg2,protein_coding	0.24163244	0.13595429
ENSMUSG00000039887.12,Alg14,protein_coding	0.24161462	0.04965487
ENSMUSG00000032306.15,Mpi,protein_coding	0.24157836	0.03756417
ENSMUSG00000034189.6,Hsdl1,protein_coding	0.24153272	0.01630759
ENSMUSG00000120419.2,Gm57270,lncRNA	0.24150808	0.31701698
ENSMUSG00000067377.13,Tspan6,protein_coding	0.24150262	0.09511143
ENSMUSG00000061601.16,Pclo,protein_coding	0.24143905	0.0465951
ENSMUSG00000029822.16,Osbpl3,protein_coding	0.24132384	0.12328623
ENSMUSG00000025025.15,Mxi1,protein_coding	0.24123821	0.02625391
ENSMUSG00000030084.13,Plxna1,protein_coding	0.24120358	0.054412
ENSMUSG00000058254.13,Tspan7,protein_coding	0.24119448	0.06763878
ENSMUSG00000034353.15,Ramp1,protein_coding	0.2411323	0.15882319
ENSMUSG00000031105.17,Slc25a14,protein_coding	0.24109276	0.16591483
ENSMUSG00000052273.5,Dnah3,protein_coding	0.24109095	0.69692497
ENSMUSG00000053279.9,Aldh1a1,protein_coding	0.24105559	0.28448546
ENSMUSG00000074406.6,Zfp628,protein_coding	0.24087578	0.11568749
ENSMUSG00000017670.17,Elmo2,protein_coding	0.24087392	0.00736017
ENSMUSG00000025793.18,Hgs,protein_coding	0.24086701	0.0545479
ENSMUSG00000038467.16,Chmp4b,protein_coding	0.24081319	0.02150248
ENSMUSG00000127844.1,ENSMUSG00000127844,lncRNA	0.24076905	0.33221452
ENSMUSG00000141875.1,ENSMUSG00000141875,lncRNA	0.24066461	0.41754986
ENSMUSG00000024911.8,Fibp,protein_coding	0.24066051	0.03038707
ENSMUSG00000028717.13,Tal1,protein_coding	0.24064442	0.57236372
ENSMUSG00000042216.14,Sgsm1,protein_coding	0.24064222	0.09079436
ENSMUSG00000024219.17,Anks1,protein_coding	0.2406198	0.02039074
ENSMUSG00000018750.15,Zbtb4,protein_coding	0.2405288	0.01029328
ENSMUSG00000021340.14,Gpld1,protein_coding	0.24048991	0.03108885
ENSMUSG00000039629.15,Strip2,protein_coding	0.24048295	0.03686112
ENSMUSG00000028538.13,St3gal3,protein_coding	0.24033606	0.04232607
ENSMUSG00000027316.16,Gfra4,protein_coding	0.24030176	0.2329745
ENSMUSG00000051062.7,Fbll1,protein_coding	0.24023028	0.27743774
ENSMUSG00000068040.11,Tm9sf4,protein_coding	0.24021977	0.00157203
ENSMUSG00000139146.1,ENSMUSG00000139146,lncRNA	0.24021091	0.2137353
ENSMUSG00000034648.10,Lrrn1,protein_coding	0.240167	0.0153998
ENSMUSG00000117982.2,Gm50170,TEC	0.24007012	0.44347988
ENSMUSG00000030741.16,Spns1,protein_coding	0.23995149	0.05197866

ENSMUSG00000020519.6,Sap30l,protein_coding	0.23994333	0.06293768
ENSMUSG00000053025.14,Sv2b,protein_coding	0.23982215	0.11086912
ENSMUSG00000052934.15,Fbxo31,protein_coding	0.2398005	0.04233069
ENSMUSG00000026311.17,Asb1,protein_coding	0.23979237	0.01012202
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ENSMUSG00000025190.14,Got1,protein_coding	0.23970284	0.06694291
ENSMUSG00000024958.15,Gpr137,protein_coding	0.23963136	0.12935476
ENSMUSG00000020747.19,Tmem94,protein_coding	0.23955895	0.0548265
ENSMUSG00000020456.18,Ogdh,protein_coding	0.23951136	0.00747133
ENSMUSG00000005354.17,Txn2,protein_coding	0.23947329	0.01343926
ENSMUSG00000040265.17,Dnm3,protein_coding	0.23947106	0.00442793
ENSMUSG00000032011.6,Thy1,protein_coding	0.23942331	0.14207904
ENSMUSG00000003955.9,Fam162a,protein_coding	0.23939626	0.0386555
ENSMUSG00000081534.4,Slc48a1,protein_coding	0.23937752	0.02542115
ENSMUSG00000023143.11,Nagpa,protein_coding	0.2393549	0.16878979
ENSMUSG00000022516.11,Nudt16l1,protein_coding	0.23934028	0.02570061
ENSMUSG00000050373.14,Snx21,protein_coding	0.2393352	0.05960815
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ENSMUSG00000037813.14,D630003M21Rik,protein_coding	0.23882354	0.34204422
ENSMUSG00000086745.3,Tspan2os,lncRNA	0.23874662	0.41739896
ENSMUSG00000079478.10,Znrd2,protein_coding	0.23871345	0.5199733
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ENSMUSG00000078570.11,1110065P20Rik,protein_coding	0.23854332	0.21642204
ENSMUSG00000073411.13,H2-D1,protein_coding	0.23850456	0.61030666
ENSMUSG00000026810.13,Dpm2,protein_coding	0.23847603	0.04970226
ENSMUSG00000110997.2,2610028D06Rik,TEC	0.23832747	0.1310914
ENSMUSG00000005417.18,Mprip,protein_coding	0.23825274	0.01512647
ENSMUSG00000002831.16,Plin4,protein_coding	0.23820326	0.74152638
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ENSMUSG00000021476.10,Habp4,protein_coding	0.23809554	0.06063884
ENSMUSG00000042807.16,Hecw2,protein_coding	0.23806908	0.04639608
ENSMUSG00000034557.15,Zfyve9,protein_coding	0.23786549	0.00822744
ENSMUSG00000055407.15,Map6,protein_coding	0.23785444	0.07533011
ENSMUSG00000029060.18,Mib2,protein_coding	0.23781929	0.06652496
ENSMUSG00000027983.14,Cyp2u1,protein_coding	0.23775642	0.04016759
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ENSMUSG00000050144.14,Slc25a44,protein_coding	0.23773715	0.04359692
ENSMUSG00000007097.15,Atp1a2,protein_coding	0.23765614	0.00527248
ENSMUSG00000022893.15,Adamts1,protein_coding	0.2376262	0.12813976
ENSMUSG00000038354.14,Ankrd35,protein_coding	0.23760505	0.29954566
ENSMUSG00000090698.3,Apold1,protein_coding	0.23757584	0.49364102
ENSMUSG00000033278.11,Ptprm,protein_coding	0.23757373	0.03603291
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ENSMUSG00000003273.15,Car11,protein_coding	0.23746319	0.25008127

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ENSMUSG00000039952.16,Dag1,protein_coding	0.23697446	0.00445306
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ENSMUSG00000039714.10,Cplx3,protein_coding	0.23683501	0.34019855
ENSMUSG00000118864.1,Gm25679,snRNA	0.23681154	0.17119426
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ENSMUSG00000106408.2,Gm43321,TEC	0.23672913	0.37897116
ENSMUSG00000041263.15,Rusc1,protein_coding	0.23672493	0.10481369
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ENSMUSG00000028803.19,Nipal3,protein_coding	0.2366683	0.04439871
ENSMUSG00000052763.8,Zfp212,protein_coding	0.23664049	0.07076901
ENSMUSG00000049036.8,Tmem121,protein_coding	0.23662805	0.29139993
ENSMUSG00000031400.11,G6pdx,protein_coding	0.23658836	0.05202885
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ENSMUSG00000030077.12,Chl1,protein_coding	0.23621982	0.04431347
ENSMUSG00000042275.10,Pelo,protein_coding	0.23613967	0.16638985
ENSMUSG00000022696.18,Sidt1,protein_coding	0.23610955	0.13203021
ENSMUSG00000041609.17,Bicdl1,protein_coding	0.23609289	0.06717353
ENSMUSG00000021047.8,Nova1,protein_coding	0.23594013	0.02456331
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ENSMUSG00000021376.12,Tpmt,protein_coding	0.23583126	0.16656683
ENSMUSG00000057897.16,Camk2b,protein_coding	0.23576067	0.11150339
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ENSMUSG00000025855.14,Prkar1b,protein_coding	0.23555204	0.1541531
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ENSMUSG00000039579.16,Grin3a,protein_coding	0.23550322	0.07157923
ENSMUSG00000025195.10,Dnmbp,protein_coding	0.23549267	0.04325369
ENSMUSG00000038797.14,Zscan2,protein_coding	0.23542189	0.0906135
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ENSMUSG00000021838.18,Samd4,protein_coding	0.23532153	0.02376502
ENSMUSG00000025902.14,Sox17,protein_coding	0.23529578	0.25469628
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ENSMUSG00000022420.17,Dnal4,protein_coding	0.23522958	0.13469226
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ENSMUSG00000075706.12,Gpx4,protein_coding	0.23505337	0.05862013

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ENSMUSG00000079317.11,Trappc2,protein_coding	0.23494138	0.06237491
ENSMUSG00000141779.1,ENSMUSG00000141779,lncRNA	0.23487167	0.47347024
ENSMUSG00000100980.2,Gm29100,lncRNA	0.23484909	0.71690325
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ENSMUSG00000048148.19,Nwd1,protein_coding	0.23481826	0.02027815
ENSMUSG00000110282.2,B930086L07Rik,TEC	0.23478556	0.31523482
ENSMUSG00000121618.2,Gm50605,lncRNA	0.23476631	0.38621995
ENSMUSG00000061118.9,Dnajc30,protein_coding	0.23474635	0.08569255
ENSMUSG00000090486.3,BC035947,protein_coding	0.23469357	0.66181732
ENSMUSG00000022477.14,Aco2,protein_coding	0.23468832	0.03597067
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ENSMUSG00000079334.9,Naa80,protein_coding	0.23449549	0.22815421
ENSMUSG00000028967.11,Errfi1,protein_coding	0.23448736	0.1427707
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ENSMUSG00000001419.18,Mef2d,protein_coding	0.23371488	0.04245157
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ENSMUSG00000037594.12,Clba1,protein_coding	0.23358061	0.1657905
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ENSMUSG00000041688.17,Amot,protein_coding	0.23336376	0.02561919
ENSMUSG00000033526.17,Ppip5k1,protein_coding	0.23331727	0.00640489
ENSMUSG00000022558.17,Mroh1,protein_coding	0.23331223	0.03179429
ENSMUSG00000018565.18,Elp5,protein_coding	0.23327244	0.0954618
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ENSMUSG00000025964.16,Adam23,protein_coding	0.23314011	0.03041434
ENSMUSG00000048895.14,Cdk5r1,protein_coding	0.23298306	0.08266248
ENSMUSG00000029404.16,Arl6ip4,protein_coding	0.23296995	0.06873055
ENSMUSG00000085873.3,Ttc39aos1,lncRNA	0.23289712	0.17109188
ENSMUSG00000022018.8,Rgcc,protein_coding	0.23288923	0.16704355
ENSMUSG00000020802.9,Ube2o,protein_coding	0.23283246	0.05722223
ENSMUSG00000036002.13,Atosb,protein_coding	0.23282295	0.08652843
ENSMUSG00000005299.7,Letm1,protein_coding	0.23275055	0.00775974
ENSMUSG00000018900.8,Slc22a5,protein_coding	0.23265991	0.03647575
ENSMUSG00000063882.13,Uqcrh,protein_coding	0.23265769	0.05028539
ENSMUSG00000050240.17,Hic2,protein_coding	0.23265185	0.08301778
ENSMUSG00000005968.15,Tuft1,protein_coding	0.23256873	0.31510857
ENSMUSG00000045664.6,Cdc42ep2,protein_coding	0.23253553	0.14827091
ENSMUSG00000033735.10,Spr,protein_coding	0.23252728	0.21823038
ENSMUSG00000017412.17,Cacnb4,protein_coding	0.23243715	0.07398794
ENSMUSG00000042249.12,Grk3,protein_coding	0.23226775	0.0331143
ENSMUSG00000056692.14,Ilrun,protein_coding	0.23224114	0.01291179
ENSMUSG00000039485.9,Tspyl4,protein_coding	0.23222552	0.02112315
ENSMUSG00000054034.11,Tceal5,protein_coding	0.23218954	0.10585129
ENSMUSG00000032086.13,Bace1,protein_coding	0.23214452	0.01792641
ENSMUSG00000021259.6,Cyp46a1,protein_coding	0.23207757	0.22144251
ENSMUSG00000034730.19,Adgrb1,protein_coding	0.2320609	0.15660245
ENSMUSG00000015090.14,Ptgds,protein_coding	0.23205753	0.27637008
ENSMUSG00000046480.7,Scn4b,protein_coding	0.23203524	0.31316038
ENSMUSG00000062190.13,Lancl2,protein_coding	0.23202485	0.06170829
ENSMUSG00000022546.6,Gpt,protein_coding	0.23198011	0.06659017
ENSMUSG00000044022.6,Pcdhb21,protein_coding	0.23193497	0.10224889
ENSMUSG00000006958.15,Chrd,protein_coding	0.23190929	0.23710261
ENSMUSG00000014602.16,Kif1a,protein_coding	0.23188137	0.06877317
ENSMUSG00000118751.1,Gm26444,snRNA	0.23187686	0.13853558
ENSMUSG00000003872.10,Lin7b,protein_coding	0.23186254	0.30980317
ENSMUSG00000029781.8,Fkbp9,protein_coding	0.23166398	0.07989555
ENSMUSG00000036620.15,Mgat4b,protein_coding	0.2316516	0.11876385
ENSMUSG00000109868.4,Gm39244,lncRNA	0.23164889	0.5551314
ENSMUSG00000030301.18,Ccdc91,protein_coding	0.23156064	0.05342381
ENSMUSG00000013150.16,Gfod2,protein_coding	0.23153064	0.08408818
ENSMUSG00000047084.9,Ngrn,protein_coding	0.23151914	0.03380481
ENSMUSG00000040537.18,Adam22,protein_coding	0.23149348	0.01882666
ENSMUSG00000033458.18,Fan1,protein_coding	0.23143467	0.02467583
ENSMUSG00000046844.7,Vat1l,protein_coding	0.23131123	0.16005587
ENSMUSG00000017667.10,Zfp334,protein_coding	0.23126647	0.01926582
ENSMUSG00000071658.6,Gng3,protein_coding	0.2312586	0.16863638
ENSMUSG00000118056.3,Gm30093,lncRNA	0.23119556	0.49832292
ENSMUSG00000022540.18,Rogdi,protein_coding	0.23107542	0.12621342
ENSMUSG00000106743.2,Gm42847,TEC	0.2310564	0.23808277
ENSMUSG00000038807.20,Rap1gap2,protein_coding	0.23093643	0.07051469
ENSMUSG00000015291.11,Gdi1,protein_coding	0.23092401	0.0391465
ENSMUSG00000046329.15,Slc25a23,protein_coding	0.23091992	0.07323833
ENSMUSG00000026603.14,Smyd2,protein_coding	0.23088849	0.10508953

ENSMUSG00000011832.17,Evi5l,protein_coding	0.23087186	0.0642046
ENSMUSG00000031987.7,Egln1,protein_coding	0.23087023	0.01300093
ENSMUSG00000019899.18,Lama2,protein_coding	0.23084339	0.03732361
ENSMUSG00000071497.5,Nutf2-ps1,protein_coding	0.23083264	0.44011038
ENSMUSG00000070366.6,Plpp4,protein_coding	0.23083013	0.32710043
ENSMUSG00000103285.2,Gm37274,TEC	0.23073766	0.16844551
ENSMUSG00000021848.17,Otx2,protein_coding	0.23069286	0.50685171
ENSMUSG00000034216.13,Vps18,protein_coding	0.23050722	0.05958003
ENSMUSG00000086844.4,B230206H07Rik,lncRNA	0.23045883	0.30128016
ENSMUSG00000018042.19,Cyb5r3,protein_coding	0.23043563	0.03482124
ENSMUSG00000021752.15,Kctd6,protein_coding	0.23043248	0.04157178
ENSMUSG00000024944.7,Arl2,protein_coding	0.23033403	0.05092663
ENSMUSG00000038526.15,Car14,protein_coding	0.23006661	0.15740963
ENSMUSG00000103685.2,Gm37074,TEC	0.23005	0.31512636
ENSMUSG00000110523.4,C230057M02Rik,lncRNA	0.22997426	0.2314256
ENSMUSG00000064181.7,Rab3ip,protein_coding	0.22978449	0.04567535
ENSMUSG00000027220.3,Syt13,protein_coding	0.22976053	0.11201559
ENSMUSG00000021044.16,Adck1,protein_coding	0.2297246	0.0230904
ENSMUSG00000032333.7,Stoml1,protein_coding	0.22964601	0.12378873
ENSMUSG00000034522.11,Zfp395,protein_coding	0.2295888	0.10141405
ENSMUSG00000096606.3,Tpbgl,protein_coding	0.22948363	0.32124691
ENSMUSG00000032479.16,Map4,protein_coding	0.22946347	0.00233553
ENSMUSG00000001100.11,Poldip2,protein_coding	0.22946155	0.02472626
ENSMUSG00000075419.5,Dolk,protein_coding	0.2293496	0.10454659
ENSMUSG00000029577.14,Ube3b,protein_coding	0.22931787	0.0171674
ENSMUSG00000054676.18,1600014C10Rik,protein_coding	0.22929816	0.03902147
ENSMUSG00000025128.8,Bhlhe22,protein_coding	0.22925803	0.35328834
ENSMUSG00000025373.15,Rnf41,protein_coding	0.22916768	0.00454624
ENSMUSG00000031776.18,Arl2bp,protein_coding	0.22902907	0.12155867
ENSMUSG00000043372.13,Hexim2,protein_coding	0.22886802	0.12846354
ENSMUSG00000029047.14,Pex10,protein_coding	0.22886647	0.15059709
ENSMUSG00000097251.4,5033417F24Rik,lncRNA	0.22885208	0.22742204
ENSMUSG00000063450.15,Syne2,protein_coding	0.22879111	0.2404865
ENSMUSG00000027401.10,Tgm3,protein_coding	0.22877942	0.54610936
ENSMUSG00000026887.10,Mrrf,protein_coding	0.22872346	0.03863343
ENSMUSG00000020230.16,Prmt2,protein_coding	0.22870835	0.25951724
ENSMUSG00000021699.18,Pde4d,protein_coding	0.22870146	0.01838866
ENSMUSG00000032511.18,Scn5a,protein_coding	0.22852941	0.54505863
ENSMUSG00000032855.7,Pkd1,protein_coding	0.2285231	0.04070072
ENSMUSG00000134282.1,ENSMUSG00000134282,lncRNA	0.22842007	0.44830775
ENSMUSG00000030545.10,Pex11a,protein_coding	0.22834506	0.28586527
ENSMUSG00000000440.13,Pparg,protein_coding	0.22825424	0.31768178
ENSMUSG00000020121.16,Srgap1,protein_coding	0.2281631	0.02759678
ENSMUSG00000023353.15,Agap3,protein_coding	0.22813138	0.10680401
ENSMUSG00000074247.11,Dda1,protein_coding	0.22809686	0.05274882
ENSMUSG00000016552.14,Foxred2,protein_coding	0.22805184	0.11278081
ENSMUSG00000047415.13,Gpr68,protein_coding	0.22801312	0.29102356
ENSMUSG00000025094.9,Slc18a2,protein_coding	0.22797861	0.81823449
ENSMUSG00000079481.12,Nhsl2,protein_coding	0.22796393	0.0557152
ENSMUSG00000120174.2,4931408D14Rik,lncRNA	0.22784279	0.46068153
ENSMUSG00000031834.16,Pik3r2,protein_coding	0.2278365	0.05191316
ENSMUSG00000051483.10,Cbr1,protein_coding	0.2277465	0.1767822

ENSMUSG00000073293.5,Nudt10,protein_coding	0.22772355	0.12367054
ENSMUSG00000030249.16,Abcc9,protein_coding	0.22759825	0.11373127
ENSMUSG00002074964.1,Gm54402,misc_RNA	0.22756242	0.45104395
ENSMUSG00000006941.6,Eif1b,protein_coding	0.22756112	0.04438944
ENSMUSG00000033805.13,Ephx4,protein_coding	0.22755595	0.32841039
ENSMUSG00000102618.2,Gm37848,TEC	0.2275146	0.48434091
ENSMUSG00000035228.16,Ccdc106,protein_coding	0.22751409	0.24097849
ENSMUSG00000029436.10,Mmp17,protein_coding	0.22751133	0.23955895
ENSMUSG00000135622.1,ENSMUSG00000135622,lncRNA	0.22748172	0.26188377
ENSMUSG00000105958.2,Gm43319,TEC	0.22743583	0.32178308
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ENSMUSG00000070044.16,Fam149a,protein_coding	0.22723977	0.11306144
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ENSMUSG00000033618.8,Map3k13,protein_coding	0.22712282	0.02653681
ENSMUSG00000020629.13,Adi1,protein_coding	0.22705571	0.03211804
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ENSMUSG00000043518.8,Rai2,protein_coding	0.22692903	0.26594173
ENSMUSG00000034538.9,Zfp418,protein_coding	0.22690437	0.02106355
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ENSMUSG00000030400.18,Ercc2,protein_coding	0.22688057	0.10337548
ENSMUSG00000053830.5,Gm9923,processed_pseudogene	0.22684014	0.43970574
ENSMUSG00000022354.5,Ndufb9,protein_coding	0.22680462	0.09113689
ENSMUSG00000006651.9,Aplp1,protein_coding	0.22662591	0.12304293
ENSMUSG00000031072.15,LTO1,protein_coding	0.22652744	0.01806085
ENSMUSG00000110791.2,Gm47508,TEC	0.2264238	0.47151938
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ENSMUSG00000026208.10,Des,protein_coding	0.22637207	0.50327382
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ENSMUSG00000021010.10,Npas3,protein_coding	0.22632959	0.02871836
ENSMUSG00000078173.4,Lenep,protein_coding	0.22631234	0.42558471
ENSMUSG00000054733.10,Msra,protein_coding	0.22628243	0.12907656
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ENSMUSG00000023456.17,Tpi1,protein_coding	0.22618159	0.08987201
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ENSMUSG00000087341.6,0610040F04Rik,lncRNA	0.22609216	0.2286487
ENSMUSG00000110218.3,Tincr,protein_coding	0.22604018	0.47932265
ENSMUSG00000039621.14,Prex1,protein_coding	0.22598547	0.01011842
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ENSMUSG00000010054.5,Tusc2,protein_coding	0.22584406	0.11239645
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ENSMUSG00000029624.11,Ptcd1,protein_coding	0.22505254	0.04655123
ENSMUSG00000038485.7,Socs7,protein_coding	0.22499525	0.04337432
ENSMUSG00000063235.19,Ptpmt1,protein_coding	0.22495139	0.08709497
ENSMUSG00000116305.4,Lncppara,lncRNA	0.2249421	0.12253342
ENSMUSG00000040771.15,Oard1,protein_coding	0.2248728	0.13336401
ENSMUSG00002074985.1,Gm56381,misc_RNA	0.2247069	0.30757919
ENSMUSG00000020919.12,Stat5b,protein_coding	0.22465431	0.07673946
ENSMUSG00000094840.6,Muc3a,protein_coding	0.22459178	0.34922211
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ENSMUSG00000039033.12,Tasp1,protein_coding	0.22433605	0.02119937
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ENSMUSG00000028073.17,Pear1,protein_coding	0.22418319	0.27837014
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ENSMUSG00000135902.1,ENSMUSG00000135902,lncRNA	0.22407106	0.37905166
ENSMUSG00000038068.16,Rnf144b,protein_coding	0.22405388	0.05388007
ENSMUSG00000057156.11,Homez,protein_coding	0.22403358	0.05022468
ENSMUSG00000038366.16,Lasp1,protein_coding	0.22396688	0.04141367
ENSMUSG00000097183.5,Gm17501,lncRNA	0.22394698	0.50801023
ENSMUSG00000056629.17,Fkbp2,protein_coding	0.22387498	0.15513255
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ENSMUSG00000030695.17,Aldoa,protein_coding	0.22378501	0.11249872
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ENSMUSG00000021124.14,Vti1b,protein_coding	0.22367551	0.05183977
ENSMUSG00000097027.4,Gm26559,lncRNA	0.22366388	0.2786152
ENSMUSG00000024548.12,Setbp1,protein_coding	0.22364838	0.06858098
ENSMUSG00000028354.14,Fmn2,protein_coding	0.22362734	0.02973127
ENSMUSG00000071112.13,Spx,protein_coding	0.22362726	0.42728377
ENSMUSG00000019851.9,Perp,protein_coding	0.22358459	0.27438981
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ENSMUSG00000055489.9,Ano5,protein_coding	0.22349938	0.28479573
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ENSMUSG00000021062.16,Rab15,protein_coding	0.22302621	0.1810578
ENSMUSG00000126363.1,ENSMUSG00000126363,lncRNA	0.22301532	0.73902503
ENSMUSG00000106579.2,Gm42771,TEC	0.22300626	0.2646586
ENSMUSG00000027030.16,Stk39,protein_coding	0.22291946	0.05230936
ENSMUSG00000032702.17,Kank1,protein_coding	0.22280665	0.02484182
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ENSMUSG00000085409.3,Gm16155,lncRNA	0.22273037	0.57228625
ENSMUSG00000049907.9,Rasl11b,protein_coding	0.22270303	0.26392328
ENSMUSG00000143913.1,ENSMUSG00000143913,lncRNA	0.22254184	0.4147697
ENSMUSG00000053137.8,Mapk11,protein_coding	0.22250941	0.0874357
ENSMUSG00000087881.3,Gm22442,scaRNA	0.22248944	0.22478764

ENSMUSG00000022454.18,Nell2,protein_coding	0.22240191	0.1898193
ENSMUSG00000029757.17,Dync1i1,protein_coding	0.22237999	0.06987884
ENSMUSG00000040327.17,Cul9,protein_coding	0.22234778	0.07609403
ENSMUSG00000063808.15,Gpatch1,protein_coding	0.22225423	0.03653754
ENSMUSG00000047897.11,Ripply2,protein_coding	0.22219526	0.43336621
ENSMUSG00000034220.8,Gpc1,protein_coding	0.22214594	0.15329659
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ENSMUSG00000020396.9,Nefh,protein_coding	0.22204283	0.3324574
ENSMUSG00000055415.9,Atp10b,protein_coding	0.22201749	0.22262791
ENSMUSG00000037553.15,Zdhhc18,protein_coding	0.22191985	0.05076031
ENSMUSG00000071341.5,Egr4,protein_coding	0.22186508	0.48322193
ENSMUSG00000068962.8,Zfp114,protein_coding	0.22184989	0.17563536
ENSMUSG00000020231.16,Dip2a,protein_coding	0.22183956	0.02949632
ENSMUSG00000049807.17,Arhgap23,protein_coding	0.22182814	0.06457649
ENSMUSG00000026821.17,Ralgds,protein_coding	0.22175871	0.05564744
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ENSMUSG00000056427.11,Slit3,protein_coding	0.22170864	0.21940699
ENSMUSG00000129474.1,ENSMUSG00000129474,lncRNA	0.22170744	0.57634942
ENSMUSG00000031442.22,Mcf2l,protein_coding	0.22168536	0.08753211
ENSMUSG00000030967.16,Zranb1,protein_coding	0.22167974	0.03529212
ENSMUSG00000019856.15,Fam184a,protein_coding	0.22161998	0.07981316
ENSMUSG00000041828.17,Abca8a,protein_coding	0.2214798	0.25643992
ENSMUSG00000030733.11,Sh2b1,protein_coding	0.22142797	0.13365311
ENSMUSG00000024378.10,Stard4,protein_coding	0.22137693	0.0623225
ENSMUSG00000002985.17,Apoe,protein_coding	0.2212855	0.15259274
ENSMUSG00000021279.6,Cdc42bpb,protein_coding	0.22112626	0.05073526
ENSMUSG00000104929.2,Gm42766,TEC	0.22101886	0.27915095
ENSMUSG00000024247.15,Pkdcc,protein_coding	0.22087966	0.31756938
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ENSMUSG00000013646.18,Sh3bp5l,protein_coding	0.22076011	0.0580231
ENSMUSG00000033460.15,Armcx1,protein_coding	0.22074789	0.04462335
ENSMUSG00000120379.2,Gm56534,lncRNA	0.22066461	0.44585584
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ENSMUSG00000022048.10,Dpysl2,protein_coding	0.2206373	0.04565108
ENSMUSG00000022013.5,Dnajc15,protein_coding	0.2206264	0.22982931
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ENSMUSG00000078572.4,Ndufaf8,protein_coding	0.22056691	0.14919705
ENSMUSG00000029804.18,Herc3,protein_coding	0.22052053	0.0197543
ENSMUSG00000020886.18,Dlg4,protein_coding	0.22050916	0.13160692
ENSMUSG00000022614.9,Lmf2,protein_coding	0.22050165	0.2432253
ENSMUSG00000008730.18,Hipk1,protein_coding	0.22049098	0.00645231
ENSMUSG00000015806.13,Qdpr,protein_coding	0.22040185	0.06689717
ENSMUSG00000030527.16,Crtc3,protein_coding	0.22038562	0.07876333
ENSMUSG00000042359.19,Osbpl6,protein_coding	0.22033358	0.01502075
ENSMUSG00000015126.11,Tsr3,protein_coding	0.22032132	0.05182355
ENSMUSG00000018286.7,Psmb6,protein_coding	0.22031165	0.13823008
ENSMUSG00000025228.6,Actr1a,protein_coding	0.22010401	0.03260069
ENSMUSG00000053368.14,Rxfp2,protein_coding	0.22007512	0.64168304
ENSMUSG00000020182.17,Ddc,protein_coding	0.22005407	0.68806716
ENSMUSG00000117901.2,Gm54798,lncRNA	0.21997368	0.18187153
ENSMUSG00000026259.15,Ngef,protein_coding	0.21996931	0.40099933
ENSMUSG00000085558.10,4930412C18Rik,lncRNA	0.21995706	0.50257713

ENSMUSG00000065340.3,Gm25578,snRNA	0.21993666	0.61716584
ENSMUSG00000004383.19,Large1,protein_coding	0.21988576	0.07231249
ENSMUSG00000114200.3,Gm34721,lncRNA	0.2198631	0.50418259
ENSMUSG00000096002.3,Vmn2r53,protein_coding	0.21981555	0.29926339
ENSMUSG00000018677.10,Slc25a39,protein_coding	0.2198155	0.15096155
ENSMUSG00000087651.4,1500009L16Rik,protein_coding	0.21961905	0.13530565
ENSMUSG00000032355.17,Mlip,protein_coding	0.21956903	0.35892328
ENSMUSG00000029775.15,Klhdc10,protein_coding	0.21950275	0.00540195
ENSMUSG00000031837.15,Necab2,protein_coding	0.21948223	0.3848166
ENSMUSG00000050640.17,Tmem150c,protein_coding	0.21942219	0.07335771
ENSMUSG00000035944.18,Ttc38,protein_coding	0.21937821	0.2218836
ENSMUSG00000024970.6,Spindoc,protein_coding	0.21935766	0.07208678
ENSMUSG00000115095.2,Gm49311,TEC	0.21930605	0.18138079
ENSMUSG00000040462.14,Os9,protein_coding	0.21929191	0.04280347
ENSMUSG00000022099.19,Dmtn,protein_coding	0.21928059	0.20071509
ENSMUSG00000048537.17,Phldb1,protein_coding	0.21923094	0.13512268
ENSMUSG00000121477.2,ENSMUSG00000121477,lncRNA	0.21922364	0.01456234
ENSMUSG00000002416.14,Ndufb2,protein_coding	0.21915191	0.01429928
ENSMUSG00000007038.6,Neu1,protein_coding	0.21914881	0.03121297
ENSMUSG00000117003.2,Gm49937,lncRNA	0.21903682	0.24474903
ENSMUSG00000071649.7,B3gat3,protein_coding	0.21898002	0.12357467
ENSMUSG00000108701.2,Gm44616,TEC	0.21890704	0.42089089
ENSMUSG00000050896.13,Rtn4rl2,protein_coding	0.21888049	0.43472837
ENSMUSG00000078440.11,Dohh,protein_coding	0.21882256	0.14649237
ENSMUSG00000040978.5,Gm11992,protein_coding	0.21872811	0.57673774
ENSMUSG00000014773.14,Dll1,protein_coding	0.21863316	0.27551082
ENSMUSG00000040472.16,Rabggta,protein_coding	0.21855226	0.07617036
ENSMUSG00000030428.17,Ttyh1,protein_coding	0.21851874	0.01476111
ENSMUSG00000040746.16,Rnf167,protein_coding	0.21849072	0.02396193
ENSMUSG00000029674.14,Limk1,protein_coding	0.21846554	0.18576368
ENSMUSG00000078713.9,Tomm5,protein_coding	0.21833838	0.10995598
ENSMUSG00000049577.16,Zfpm1,protein_coding	0.21826265	0.24163526
ENSMUSG00000030120.15,Mlf2,protein_coding	0.21825623	0.1027355
ENSMUSG00000120113.2,Fam120aos,lncRNA	0.21815023	0.02318307
ENSMUSG00000067825.12,Pex26,protein_coding	0.2180726	0.0285183
ENSMUSG00000048502.15,Duxbl1,protein_coding	0.21805238	0.59024963
ENSMUSG00000104410.2,Gm37066,TEC	0.2179842	0.37786919
ENSMUSG00000102252.6,Snrpn,protein_coding	0.21795869	0.04842863
ENSMUSG00000060477.15,Irak2,protein_coding	0.21792324	0.09320788
ENSMUSG00000052609.10,Plekhg3,protein_coding	0.21789909	0.06879844
ENSMUSG00000001910.6,Nacc1,protein_coding	0.21778569	0.02915738
ENSMUSG00000025371.13,Chmp6,protein_coding	0.21761127	0.09147676
ENSMUSG00000025260.11,Hsd17b10,protein_coding	0.21753686	0.1507874
ENSMUSG00000128190.1,ENSMUSG00000128190,lncRNA	0.21750419	0.58582836
ENSMUSG00002076348.1,Gm55604,misc_RNA	0.21747596	0.16297923
ENSMUSG00000084362.2,2610024D14Rik,processed_pseudogene	0.21741227	0.45457951
ENSMUSG00000014776.8,Nol3,protein_coding	0.21741166	0.18040982
ENSMUSG00000022114.6,Spry2,protein_coding	0.21739635	0.06437562
ENSMUSG00000040548.17,Tex2,protein_coding	0.2173413	0.03246339
ENSMUSG00000031790.9,Mmp15,protein_coding	0.21732835	0.16612379
ENSMUSG00000042510.8,AA986860,protein_coding	0.21729193	0.32409154
ENSMUSG00000104479.2,Gm10305,TEC	0.21715082	0.23344504

ENSMUSG00000028677.20,Rnf220,protein_coding	0.21713153	0.05640394
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ENSMUSG00000024773.16,Atg2a,protein_coding	0.21699736	0.0514785
ENSMUSG00000009894.16,Snap47,protein_coding	0.21692191	0.15113511
ENSMUSG00000097572.5,Gm26797,lncRNA	0.21692021	0.43886265
ENSMUSG00000004895.10,Prcc,protein_coding	0.21689737	0.05132073
ENSMUSG00000034209.5,Rasl10a,protein_coding	0.21689174	0.38847476
ENSMUSG00000027777.16,Schip1,protein_coding	0.21686275	0.08794213
ENSMUSG00000022681.16,Ntan1,protein_coding	0.21682889	0.04859898
ENSMUSG00000104244.2,2900018N21Rik,TEC	0.21676735	0.43156111
ENSMUSG00000034930.17,Rtkn,protein_coding	0.2167448	0.1417937
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ENSMUSG00000024955.16,Esrra,protein_coding	0.2166531	0.04780356
ENSMUSG00000065669.3,Gm22581,snoRNA	0.21659686	0.54272921
ENSMUSG00000048915.13,Efna5,protein_coding	0.21657144	0.11891427
ENSMUSG00000035478.15,Mbd3,protein_coding	0.21655787	0.07352907
ENSMUSG00000034958.12,Atcay,protein_coding	0.2165237	0.14068837
ENSMUSG00000072941.6,Sod3,protein_coding	0.21649191	0.30165259
ENSMUSG00000026833.19,Olfm1,protein_coding	0.21639372	0.17408543
ENSMUSG00000019359.15,Gdpd2,protein_coding	0.21638531	0.28042173
ENSMUSG00000050856.17,Atp5me,protein_coding	0.21637288	0.24735037
ENSMUSG00000048458.9,Inka2,protein_coding	0.21636493	0.26648189
ENSMUSG00000032375.16,Aph1b,protein_coding	0.21632364	0.03114149
ENSMUSG00000027603.16,Ggt7,protein_coding	0.21630617	0.13870627
ENSMUSG00000040652.18,Oaz2,protein_coding	0.21623109	0.07515101
ENSMUSG00000037098.19,Rab11fip3,protein_coding	0.21622538	0.07694293
ENSMUSG00000014601.14,Strip1,protein_coding	0.21619302	0.04605967
ENSMUSG00000004637.16,Wwox,protein_coding	0.21614334	0.02089131
ENSMUSG00000041444.15,Arhgap32,protein_coding	0.21613014	0.20367236
ENSMUSG00000118245.4,Gm30082,lncRNA	0.21604056	0.35195733
ENSMUSG00000031486.16,Adgra2,protein_coding	0.21602219	0.14796713
ENSMUSG00000024299.18,Adamts10,protein_coding	0.21586603	0.19733855
ENSMUSG00000002395.15,Use1,protein_coding	0.21569737	0.13190671
ENSMUSG00000008855.18,Hdac5,protein_coding	0.21561387	0.1043834
ENSMUSG00000039542.17,Ncam1,protein_coding	0.2155095	0.03412701
ENSMUSG00000085084.10,4930570G19Rik,lncRNA	0.21547078	0.15331601
ENSMUSG00000047419.6,Cmya5,protein_coding	0.21543976	0.14547452
ENSMUSG00000024558.13,Mapk4,protein_coding	0.21539673	0.03036529
ENSMUSG00000024403.17,Atp6v1g2,protein_coding	0.21515516	0.12525643
ENSMUSG00000030782.18,Tgfb1i1,protein_coding	0.21512661	0.12750133
ENSMUSG00000012117.14,Dhdds,protein_coding	0.21507721	0.01527955
ENSMUSG00000074384.5,AI429214,protein_coding	0.21507291	0.1982594
ENSMUSG00000025102.15,3110040N11Rik,protein_coding	0.21505701	0.30853215
ENSMUSG00000024891.7,Slc29a2,protein_coding	0.21504917	0.31454757
ENSMUSG00000027227.8,Sord,protein_coding	0.21504235	0.12764073
ENSMUSG00000049536.6,Tceal1,protein_coding	0.21489959	0.15128682
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ENSMUSG00000069601.15,Ank3,protein_coding	0.21483294	0.03684719
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ENSMUSG00000124440.1,ENSMUSG00000124440,lncRNA	0.21454993	0.45172835
ENSMUSG00000037010.8,Apln,protein_coding	0.21452967	0.20574007
ENSMUSG00000015542.18,Nat9,protein_coding	0.21452756	0.20222534
ENSMUSG00000058317.13,Ube2e2,protein_coding	0.21451465	0.06186818
ENSMUSG00000104103.2,Gm9517,processed_pseudogene	0.21449758	0.38862925
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ENSMUSG00000018809.3,Smyd4,protein_coding	0.21444906	0.07786285
ENSMUSG00000031024.14,Dennd2b,protein_coding	0.21434011	0.12873186
ENSMUSG00000036617.18,Etl4,protein_coding	0.21430523	0.13822047
ENSMUSG00000058420.9,Syt17,protein_coding	0.21417585	0.36430775
ENSMUSG00000037455.18,Slc18b1,protein_coding	0.21412527	0.09519446
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ENSMUSG00000037362.9,Ccn3,protein_coding	0.21407717	0.38548122
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ENSMUSG00000085743.3,8430419K02Rik,lncRNA	0.2138623	0.55552436
ENSMUSG00000018001.19,Cyth3,protein_coding	0.21384856	0.0044479
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ENSMUSG00000017929.14,B4galt5,protein_coding	0.21382097	0.0177018
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ENSMUSG00000062661.7,Ncs1,protein_coding	0.21375829	0.12770536
ENSMUSG00000103004.2,2900002M20Rik,TEC	0.21375494	0.47322863
ENSMUSG00000014470.5,Rnf166,protein_coding	0.21371648	0.05833948
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ENSMUSG00000063077.16,Kif1b,protein_coding	0.21363666	0.01355419
ENSMUSG00000086889.3,Phf2os1,lncRNA	0.21362568	0.25876492
ENSMUSG00000003271.18,Sult2b1,protein_coding	0.21360077	0.45959692
ENSMUSG00000025791.19,Pgm1,protein_coding	0.21358174	0.05362127
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ENSMUSG00000022553.17,Maf1,protein_coding	0.21345055	0.02437855
ENSMUSG00000004961.8,Syt5,protein_coding	0.21340935	0.3293122
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ENSMUSG00000071636.9,Rimbp3,protein_coding	0.21336488	0.42641937
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ENSMUSG00000142387.1,ENSMUSG00000142387,lncRNA	0.21315481	0.51351812
ENSMUSG00000050947.10,Amigo1,protein_coding	0.21301819	0.0767515
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ENSMUSG00000036278.8,Macrod1,protein_coding	0.21289342	0.25628331
ENSMUSG00000026527.14,Rgs7,protein_coding	0.21288249	0.03958413
ENSMUSG00000006273.15,Atp6v1b2,protein_coding	0.21287025	0.08858076
ENSMUSG00000020591.12,Ntsr2,protein_coding	0.2128319	0.09282742
ENSMUSG00000000826.17,Dnajc5,protein_coding	0.21282691	0.01754627
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ENSMUSG00000127622.1,ENSMUSG00000127622,lncRNA	0.2126134	0.57162188
ENSMUSG00000049680.19,Urgcp,protein_coding	0.21256657	0.05488378
ENSMUSG00000015750.16,Aph1a,protein_coding	0.21255037	0.04498236
ENSMUSG00000048483.7,Zdhhc22,protein_coding	0.21254443	0.29641386
ENSMUSG00000104106.3,Gm10848,lncRNA	0.21253734	0.45395088
ENSMUSG00000043300.3,B3galnt1,protein_coding	0.21252848	0.12803601
ENSMUSG00000030763.8,Lcmt1,protein_coding	0.2124383	0.06590314
ENSMUSG00000022054.12,Nefm,protein_coding	0.21240301	0.23541596
ENSMUSG00000037419.10,Endod1,protein_coding	0.21235258	0.16821245
ENSMUSG00000138950.1,ENSMUSG00000138950,lncRNA	0.21234286	0.42211428
ENSMUSG00000029469.15,Ift81,protein_coding	0.21224448	0.01377512
ENSMUSG00000021636.17,Marveld2,protein_coding	0.21223687	0.43544947
ENSMUSG00000029712.15,Actl6b,protein_coding	0.21223056	0.1687126
ENSMUSG00000020882.19,Cacnb1,protein_coding	0.21221611	0.26760329
ENSMUSG00000002731.7,Prkra,protein_coding	0.21220895	0.13966048
ENSMUSG00000024907.8,Gal,protein_coding	0.21217247	0.82273042
ENSMUSG00000066392.13,Nrxn3,protein_coding	0.21212546	0.04865208
ENSMUSG00000034432.12,Cops8,protein_coding	0.21196918	0.01222053
ENSMUSG00000053411.17,Cbx7,protein_coding	0.21193428	0.10414211
ENSMUSG00000026921.21,Egfl7,protein_coding	0.21189243	0.14633818
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ENSMUSG00000032583.8,Mon1a,protein_coding	0.21153368	0.18813344
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ENSMUSG00000051844.15,B230319C09Rik,lncRNA	0.21143004	0.56058251
ENSMUSG00000022957.21,Itsn1,protein_coding	0.21141733	0.03210885
ENSMUSG00000006299.14,Aamp,protein_coding	0.21141425	0.0691738
ENSMUSG00000005580.12,Adcy9,protein_coding	0.21140273	0.10545292
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ENSMUSG00000037235.14,Mxd4,protein_coding	0.2112794	0.05437163
ENSMUSG00000036751.8,Cox6b1,protein_coding	0.21126843	0.13965185
ENSMUSG00000034295.12,Fhod3,protein_coding	0.21124881	0.21506024
ENSMUSG00000021913.9,Ogdhl,protein_coding	0.21119895	0.09995535
ENSMUSG00000057229.12,Dmac2,protein_coding	0.21113331	0.04188598
ENSMUSG00000033902.13,Mapkbp1,protein_coding	0.21111483	0.06314131
ENSMUSG00000028937.15,Acot7,protein_coding	0.21109796	0.13246555
ENSMUSG00000035595.7,Fam174c,protein_coding	0.21109205	0.6512062
ENSMUSG00000103473.2,Gm37696,lncRNA	0.21106362	0.53692667

ENSMUSG00000024593.16,Megf10,protein_coding	0.21105043	0.09157005
ENSMUSG00000093044.3,Snord8,snoRNA	0.21103212	0.32698265
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ENSMUSG00000104615.2,Gm43804,TEC	0.21099727	0.61078747
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ENSMUSG00000105867.3,Tmem217rt,protein_coding	0.21099072	0.28418777
ENSMUSG00000027010.17,Slc25a12,protein_coding	0.21093022	0.02098048
ENSMUSG00000074364.7,Ehd2,protein_coding	0.21079516	0.2502004
ENSMUSG00000019338.14,Zfp687,protein_coding	0.21076835	0.12891795
ENSMUSG00000028458.13,Tesk1,protein_coding	0.21073258	0.14312802
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ENSMUSG00000021288.20,Klc1,protein_coding	0.21068541	0.05573986
ENSMUSG00000030792.9,Dkkl1,protein_coding	0.21068541	0.54448215
ENSMUSG00000033126.6,Ybey,protein_coding	0.21060116	0.13024192
ENSMUSG00000025792.10,Slc25a10,protein_coding	0.21051967	0.22581314
ENSMUSG00000086166.3,Gm14342,lncRNA	0.21045632	0.47082059
ENSMUSG00000064307.14,Lrrc51,protein_coding	0.21044196	0.51332234
ENSMUSG00000031059.10,Ndufb11,protein_coding	0.21041554	0.12556364
ENSMUSG00000025212.18,Sfxn3,protein_coding	0.21037387	0.09592226
ENSMUSG00000087461.4,C230014O12Rik,lncRNA	0.21030671	0.48240077
ENSMUSG00000053644.14,Aldh7a1,protein_coding	0.2102234	0.0350067
ENSMUSG00000027163.14,Commd9,protein_coding	0.21021735	0.182245
ENSMUSG00000032513.9,Gorasp1,protein_coding	0.21020191	0.08779754
ENSMUSG00000063801.8,Ap3s2,protein_coding	0.21020138	0.02584541
ENSMUSG00000043948.3,Or52b2,protein_coding	0.21014787	0.51036356
ENSMUSG00000006362.17,Cbfa2t3,protein_coding	0.2100323	0.11979836
ENSMUSG00000107312.2,Gm43229,TEC	0.20998025	0.49083256
ENSMUSG00000022010.20,Tsc22d1,protein_coding	0.20996487	0.05374612
ENSMUSG00000079557.12,Marchf2,protein_coding	0.2099643	0.02104372
ENSMUSG00000027425.19,Kat14,protein_coding	0.20995147	0.00874427
ENSMUSG00000110077.2,Gm45632,TEC	0.20991082	0.31720293
ENSMUSG00000097974.4,Gm10605,lncRNA	0.20990995	0.49350162
ENSMUSG00000075020.9,Mir670hg,lncRNA	0.20988162	0.36083579
ENSMUSG00000030701.18,Plekhb1,protein_coding	0.20985707	0.04191345
ENSMUSG00000003234.17,Abcf3,protein_coding	0.20980822	0.06601549
ENSMUSG00000056820.8,Tsnax,protein_coding	0.20976667	0.10753841
ENSMUSG00000041607.18,Mbp,protein_coding	0.20976058	0.06584004
ENSMUSG00000019761.11,Krt10,protein_coding	0.20967212	0.45946388
ENSMUSG00000015745.10,Plekho1,protein_coding	0.20943799	0.04505795
ENSMUSG00000039765.16,Cc2d2a,protein_coding	0.20943128	0.05023234
ENSMUSG00000024258.5,Polr2d,protein_coding	0.20940316	0.26018513
ENSMUSG00000017314.13,Mpp2,protein_coding	0.20939145	0.23693045
ENSMUSG00000018661.18,Cog1,protein_coding	0.20933267	0.03301489
ENSMUSG00000120732.2,Gm56936,lncRNA	0.20931614	0.00926527
ENSMUSG00000037907.17,Ankrd13b,protein_coding	0.20929086	0.07457128
ENSMUSG00000022066.17,Entpd4b,protein_coding	0.20921185	0.02148465
ENSMUSG00000035283.6,Adrb1,protein_coding	0.20919446	0.23644755
ENSMUSG00000074664.5,A830092H15Rik,lncRNA	0.20906501	0.43679343
ENSMUSG00000055639.17,Dach1,protein_coding	0.2088287	0.18419302
ENSMUSG00000115686.2,Gm49310,TEC	0.20879144	0.29936155
ENSMUSG00000005881.14,Ergic3,protein_coding	0.2087755	0.15472378
ENSMUSG00000040447.16,Spns2,protein_coding	0.20876913	0.08144862

ENSMUSG00000028964.15,Park7,protein_coding	0.20873315	0.10865038
ENSMUSG00000024446.14,Rpp21,protein_coding	0.20870576	0.1898466
ENSMUSG00000120652.1,Gm56609,lncRNA	0.20868694	0.42343621
ENSMUSG00000034190.10,Chmp7,protein_coding	0.2086459	0.01508166
ENSMUSG00000074030.4,Exoc8,protein_coding	0.20863902	0.05047974
ENSMUSG00000027335.10,Adra1d,protein_coding	0.20863013	0.40472829
ENSMUSG00000096145.3,Vkorc1,protein_coding	0.20855545	0.25030303
ENSMUSG00000044345.10,Marveld1,protein_coding	0.20847025	0.07137777
ENSMUSG00000109398.3,Zfp582,protein_coding	0.20845555	0.12485746
ENSMUSG00000040133.3,Gpr176,protein_coding	0.20829745	0.17426632
ENSMUSG00000053747.10,Sox14,protein_coding	0.20824223	0.74502948
ENSMUSG00000048503.8,Tlcd5,protein_coding	0.20823284	0.07018269
ENSMUSG00000030630.17,Fah,protein_coding	0.2082269	0.0591637
ENSMUSG00000027187.11,Cat,protein_coding	0.20820075	0.05767467
ENSMUSG00000021986.10,Amer2,protein_coding	0.2080748	0.04941023
ENSMUSG00000027340.16,Slc23a2,protein_coding	0.20791845	0.01784123
ENSMUSG00000036598.5,Ccdc113,protein_coding	0.20790952	0.53606548
ENSMUSG00000024414.14,Mrpl27,protein_coding	0.20789393	0.1874552
ENSMUSG00000077450.14,Rab11b,protein_coding	0.20787351	0.04553899
ENSMUSG00000041144.13,Dnah7b,protein_coding	0.20780366	0.20144078
ENSMUSG00000055493.5,Epm2a,protein_coding	0.20777953	0.08185903
ENSMUSG00000031832.16,Taf1c,protein_coding	0.20776211	0.11584001
ENSMUSG00000036814.14,Slc6a20a,protein_coding	0.20773102	0.36804133
ENSMUSG00000047459.15,Dynlrb1,protein_coding	0.20767448	0.11021155
ENSMUSG00000041164.16,Zmiz2,protein_coding	0.20756391	0.06622211
ENSMUSG00000045639.15,Zfp629,protein_coding	0.20752417	0.03456906
ENSMUSG00000029001.16,Fbxo44,protein_coding	0.20736919	0.11376665
ENSMUSG00000039262.17,Prrc2b,protein_coding	0.2072859	0.04174584
ENSMUSG00000139989.1,ENSMUSG00000139989,lncRNA	0.20728113	0.10535493
ENSMUSG00000121307.2,ENSMUSG00000121307,lncRNA	0.2072754	0.41224299
ENSMUSG00000104277.2,Gm38299,TEC	0.20725552	0.20615535
ENSMUSG00000032261.17,Sh3bgrl2,protein_coding	0.20724771	0.13774301
ENSMUSG00000102813.2,Gm37795,TEC	0.20717567	0.22557343
ENSMUSG00000024331.12,Dsc2,protein_coding	0.20711226	0.51548222
ENSMUSG00000079020.10,Slc45a4,protein_coding	0.20708186	0.04797867
ENSMUSG00000057880.13,Abat,protein_coding	0.20706036	0.04001878
ENSMUSG00000005442.14,Cic,protein_coding	0.20700317	0.05893914
ENSMUSG00000069920.11,B3gnt9,protein_coding	0.20699998	0.34554702
ENSMUSG00000018548.16,Trim37,protein_coding	0.20698065	0.06199967
ENSMUSG00000132339.1,ENSMUSG00000132339,lncRNA	0.20691222	0.48282815
ENSMUSG00000086020.3,Gm12239,lncRNA	0.20688415	0.64455818
ENSMUSG00000022972.11,Cfap298,protein_coding	0.20685635	0.14050085
ENSMUSG00000036915.18,Kirrel2,protein_coding	0.20685484	0.3539477
ENSMUSG00000001034.18,Mapk7,protein_coding	0.20679487	0.15893408
ENSMUSG00000063065.14,Mapk3,protein_coding	0.20677118	0.13689011
ENSMUSG00000057948.13,Unc13d,protein_coding	0.20675971	0.59894283
ENSMUSG00000075514.7,Gm13375,lncRNA	0.20673318	0.20655324
ENSMUSG00000113184.2,Gm49654,lncRNA	0.20665787	0.05162505
ENSMUSG00000044328.14,Trp53i13,protein_coding	0.20661237	0.5921086
ENSMUSG00000071477.11,Zfp777,protein_coding	0.2066016	0.10931351
ENSMUSG00000042851.18,Zc3h6,protein_coding	0.20658305	0.03790979
ENSMUSG00000085007.4,Smim43,protein_coding	0.20656547	0.44294789

ENSMUSG00000059659.10,Gm10069,lncRNA	0.20650662	0.3277697
ENSMUSG00000022442.17,Ttll1,protein_coding	0.20647402	0.17539986
ENSMUSG00000015405.16,Ace2,protein_coding	0.20645488	0.53585032
ENSMUSG00000024998.18,Plce1,protein_coding	0.20645295	0.21546278
ENSMUSG00000026385.17,Dbi,protein_coding	0.20644154	0.26224361
ENSMUSG00000021364.17,Elovl2,protein_coding	0.20642886	0.09052254
ENSMUSG00000100033.2,Gm8337,processed_pseudogene	0.20639751	0.57403091
ENSMUSG00000028467.16,Gba2,protein_coding	0.20637981	0.12985835
ENSMUSG00000055137.8,Sugct,protein_coding	0.20631847	0.40057165
ENSMUSG00000032118.17,Fez1,protein_coding	0.20630312	0.02994642
ENSMUSG00000026179.15,Pnkd,protein_coding	0.20627537	0.12575408
ENSMUSG00000027560.5,Dok5,protein_coding	0.20625172	0.20436662
ENSMUSG00000023064.5,Sncg,protein_coding	0.20624124	0.7546125
ENSMUSG00000032285.16,Dnaja4,protein_coding	0.20621385	0.11513197
ENSMUSG00000031171.12,Ftsj1,protein_coding	0.20619926	0.08406125
ENSMUSG00000001761.8,Smo,protein_coding	0.20613169	0.14075409
ENSMUSG00000021280.10,Exoc3l4,protein_coding	0.20603717	0.55545142
ENSMUSG00000040220.11,Gas8,protein_coding	0.20598925	0.09064441
ENSMUSG00000037579.8,Kcnh3,protein_coding	0.20590212	0.3469961
ENSMUSG00000106537.2,Gm43502,TEC	0.20586662	0.35375155
ENSMUSG00000104562.2,Gm42767,TEC	0.20584437	0.40841299
ENSMUSG00000067594.7,Krt77,protein_coding	0.20583606	0.59175957
ENSMUSG00000128866.1,ENSMUSG00000128866,lncRNA	0.20579269	0.49148559
ENSMUSG00000103378.2,Gm37176,TEC	0.20575111	0.54435478
ENSMUSG00000036299.6,BC031181,protein_coding	0.20563475	0.04735175
ENSMUSG00000043323.18,Fbrsl1,protein_coding	0.20559057	0.09701158
ENSMUSG00000054008.10,Ndst1,protein_coding	0.20558917	0.03005726
ENSMUSG00000032060.11,Cryab,protein_coding	0.20554755	0.11821096
ENSMUSG00000021646.10,Mccc2,protein_coding	0.2054749	0.08299907
ENSMUSG00000027165.17,Iftap,protein_coding	0.20543194	0.03552525
ENSMUSG00000035559.10,Mpv17l2,protein_coding	0.20539337	0.30769592
ENSMUSG00000027978.10,Prss12,protein_coding	0.20535457	0.41229403
ENSMUSG00000003421.14,Nosip,protein_coding	0.20528852	0.03916661
ENSMUSG00000004347.18,Pde1c,protein_coding	0.2052059	0.35552481
ENSMUSG00000027332.12,Ivd,protein_coding	0.20517643	0.03259527
ENSMUSG00000021819.12,Zswim8,protein_coding	0.20516774	0.05914551
ENSMUSG00000028051.11,Hcn3,protein_coding	0.20514009	0.36355886
ENSMUSG00000102633.2,Gm38224,TEC	0.20512865	0.55235591
ENSMUSG00000032340.9,Neo1,protein_coding	0.20509841	0.03801671
ENSMUSG00000027204.14,Fbn1,protein_coding	0.2050827	0.15746389
ENSMUSG00000105264.2,Gm42716,lncRNA	0.20504299	0.47797044
ENSMUSG00000045731.7,Pnoc,protein_coding	0.20486841	0.37118891
ENSMUSG00000026712.4,Mrc1,protein_coding	0.20478805	0.31956566
ENSMUSG00000017400.11,Stac2,protein_coding	0.20471701	0.15271394
ENSMUSG00000014606.15,Slc25a11,protein_coding	0.20462733	0.1483497
ENSMUSG00000044636.7,Csrnp2,protein_coding	0.20458687	0.07794124
ENSMUSG00000079445.4,B3gnt7,protein_coding	0.20458029	0.68527841
ENSMUSG00000048330.15,Ric3,protein_coding	0.20444276	0.02907419
ENSMUSG00000056515.10,Rab31,protein_coding	0.20442971	0.00533563
ENSMUSG00000022450.7,Ndufa6,protein_coding	0.20439156	0.09342512
ENSMUSG00000096188.2,Cmtm4,protein_coding	0.20431746	0.07556818
ENSMUSG00000028878.12,Fam76a,protein_coding	0.20426489	0.05807428

ENSMUSG00000053898.13,Ech1,protein_coding	0.20418175	0.16442424
ENSMUSG00000034472.14,Rasd2,protein_coding	0.20411728	0.47057213
ENSMUSG00000066113.17,Adamtsl1,protein_coding	0.20411508	0.15423482
ENSMUSG00000050538.9,B230217C12Rik,protein_coding	0.20410071	0.09385569
ENSMUSG00000056972.7,Magel2,protein_coding	0.20401208	0.62099295
ENSMUSG00000022956.12,Atp5po,protein_coding	0.20396236	0.11669126
ENSMUSG00000009090.18,Ap1b1,protein_coding	0.20387433	0.03992718
ENSMUSG00000067787.11,Blcap,protein_coding	0.20378993	0.05888495
ENSMUSG00000002957.12,Ap2a2,protein_coding	0.20377695	0.06618732
ENSMUSG00000020526.13,Znhit3,protein_coding	0.20375764	0.1338418
ENSMUSG00000030161.9,Gabarapl1,protein_coding	0.20373227	0.14848141
ENSMUSG00000031302.17,Nlgn3,protein_coding	0.2037303	0.13295064
ENSMUSG00000031672.9,Got2,protein_coding	0.20361864	0.04020376
ENSMUSG00000051579.11,Tceal8,protein_coding	0.20361772	0.11389674
ENSMUSG00000031775.6,Pllp,protein_coding	0.20356638	0.21710816
ENSMUSG00000062444.16,Ap3b2,protein_coding	0.20351769	0.08413468
ENSMUSG00000055553.17,Kxd1,protein_coding	0.2035133	0.15844086
ENSMUSG00000000093.7,Tbx2,protein_coding	0.20349609	0.54550606
ENSMUSG00000034271.17,Jdp2,protein_coding	0.20349122	0.12986582
ENSMUSG00000043801.8,Oaz1-ps,processed_pseudogene	0.20343341	0.31830936
ENSMUSG00000021871.20,Gm49342,protein_coding	0.20329289	0.4422773
ENSMUSG00000032402.13,Smad3,protein_coding	0.20326947	0.13300177
ENSMUSG00000129170.1,ENSMUSG00000129170,lncRNA	0.20324142	0.43660117
ENSMUSG00000046032.17,Snx12,protein_coding	0.20321303	0.01756138
ENSMUSG00000022211.10,Carmil3,protein_coding	0.20313887	0.18175286
ENSMUSG00000031109.18,Enox2,protein_coding	0.20310088	0.20748971
ENSMUSG00000024109.19,Nrxn1,protein_coding	0.20309311	0.0442191
ENSMUSG00000037570.17,Mcrs1,protein_coding	0.20303468	0.10770158
ENSMUSG00000010721.16,Lmbr1,protein_coding	0.20295761	0.01521279
ENSMUSG00000028743.8,Akr7a5,protein_coding	0.20295003	0.20378258
ENSMUSG00000137200.1,ENSMUSG00000137200,lncRNA	0.20293892	0.4371551
ENSMUSG00000006717.8,Acot13,protein_coding	0.20287685	0.15106099
ENSMUSG00000039201.11,Tbc1d25,protein_coding	0.20285225	0.1955449
ENSMUSG00000022829.15,Stxbp5l,protein_coding	0.2028337	0.10907014
ENSMUSG00000097994.2,Gm26982,lncRNA	0.20281917	0.15977493
ENSMUSG00000028383.18,Hsdl2,protein_coding	0.2028118	0.12420948
ENSMUSG00000029449.12,Rhof,protein_coding	0.20280217	0.14502105
ENSMUSG00000040659.4,Efhd2,protein_coding	0.20277894	0.123117
ENSMUSG00000045665.6,Mfsd5,protein_coding	0.20275838	0.19767427
ENSMUSG00000036529.18,Sbf1,protein_coding	0.20264501	0.06168988
ENSMUSG00000019467.16,Arhgef25,protein_coding	0.20264274	0.22183154
ENSMUSG00000029819.7,Npy,protein_coding	0.20254363	0.41925168
ENSMUSG00000005360.15,Slc1a3,protein_coding	0.2025282	0.11666974
ENSMUSG00000028684.15,Urod,protein_coding	0.20252355	0.13630259
ENSMUSG00000036492.13,Rnf39,protein_coding	0.20244098	0.49048278
ENSMUSG00000025369.16,Smarcc2,protein_coding	0.20243912	0.05266061
ENSMUSG00000105692.2,Gm43737,TEC	0.20235785	0.15606028
ENSMUSG00000063160.13,Numbl,protein_coding	0.20234544	0.2203019
ENSMUSG00000034098.15,Fstl5,protein_coding	0.20226871	0.14002347
ENSMUSG00000003378.10,Grik5,protein_coding	0.20225127	0.23101844
ENSMUSG00000030270.12,Cpne9,protein_coding	0.20220304	0.25851268
ENSMUSG00000061589.15,Dot1l,protein_coding	0.20213173	0.15266922

ENSMUSG00000022340.16,Sybu,protein_coding	0.2021292	0.11853376
ENSMUSG00000113673.2,Gm47486,lncRNA	0.20207156	0.55336885
ENSMUSG00000043542.13,Zc2hc1a,protein_coding	0.20200521	0.10298668
ENSMUSG00000046532.9,Ar,protein_coding	0.2020037	0.14141692
ENSMUSG00000048222.4,Mfap1b,protein_coding	0.20193401	0.06778798
ENSMUSG00000067430.8,Zfp763,protein_coding	0.20191541	0.09024868
ENSMUSG00000075590.5,Nrbp2,protein_coding	0.20188442	0.06960672
ENSMUSG00000039137.19,Whrn,protein_coding	0.20187751	0.10166471
ENSMUSG00000061898.11,Rbak,protein_coding	0.20171775	0.07498996
ENSMUSG00000038451.14,Spsb2,protein_coding	0.20170063	0.47127007
ENSMUSG00000061517.9,Sox21,protein_coding	0.20168801	0.29738806
ENSMUSG00000005225.16,Plekha8,protein_coding	0.20164836	0.02837974
ENSMUSG00000070576.5,Mn1,protein_coding	0.20161425	0.36116459
ENSMUSG00000031610.4,Scrg1,protein_coding	0.20158824	0.25823097
ENSMUSG00000020843.16,Timm22,protein_coding	0.20156136	0.06782433
ENSMUSG00000035181.7,Heatr5a,protein_coding	0.20154291	0.06548765
ENSMUSG00000009394.14,Syn2,protein_coding	0.20148916	0.18269379
ENSMUSG00000087687.4,Pet100,protein_coding	0.20135396	0.09653647
ENSMUSG00000034201.14,Gas2l1,protein_coding	0.20134844	0.17517743
ENSMUSG00000103358.2,Gm37593,TEC	0.20131978	0.49680134
ENSMUSG00000077323.3,Rnu11,snRNA	0.2012505	0.37796201
ENSMUSG00000074194.5,Zfp791,protein_coding	0.20125019	0.28145091
ENSMUSG00000110611.3,Gm20163,lncRNA	0.20123521	0.2221052
ENSMUSG00000107148.2,Gm42888,TEC	0.20121489	0.42397903
ENSMUSG00000097182.5,A830009L08Rik,lncRNA	0.20113784	0.62246501
ENSMUSG00000023991.17,Foxp4,protein_coding	0.20112101	0.13899137
ENSMUSG00000112512.2,Gm48203,TEC	0.20111456	0.53658386
ENSMUSG00000026510.11,Trp53bp2,protein_coding	0.20100374	0.07334694
ENSMUSG00000022095.10,Fhip2b,protein_coding	0.20099227	0.03106683
ENSMUSG00000089810.2,Gm16536,lncRNA	0.20097962	0.03268659
ENSMUSG00000053581.14,Zfand2a,protein_coding	0.20087044	0.04251284
ENSMUSG00000026156.9,B3gat2,protein_coding	0.20082088	0.19912734
ENSMUSG00000004508.7,Gab2,protein_coding	0.20075046	0.0171554
ENSMUSG00000056602.14,Fry,protein_coding	0.20074747	0.03046385
ENSMUSG00000022847.16,Thpo,protein_coding	0.20070738	0.37582344
ENSMUSG00000036264.10,Fstl4,protein_coding	0.200681	0.21040988
ENSMUSG00000056938.18,Acbd4,protein_coding	0.20062089	0.07270425
ENSMUSG00000031736.14,Crnde,lncRNA	0.20054399	0.52933745
ENSMUSG00000066189.10,Cacng3,protein_coding	0.20051971	0.40308832
ENSMUSG00000063434.7,Sorcs3,protein_coding	0.20036023	0.16422939
ENSMUSG00000029103.17,Lrpap1,protein_coding	0.20033812	0.07122465
ENSMUSG00000053716.10,Dusp7,protein_coding	0.20031773	0.17835032
ENSMUSG00000045790.11,Ccdc149,protein_coding	0.2002567	0.1350542
ENSMUSG00000029432.13,Nipsnap2,protein_coding	0.20011642	0.02211141
ENSMUSG00000031903.8,Pla2g15,protein_coding	0.20009011	0.09631805
ENSMUSG00000065034.3,Gm22363,snRNA	0.2000075	0.52425511
ENSMUSG00000059857.17,Ntng1,protein_coding	0.19997014	0.32173201
ENSMUSG00000025486.18,Sirt3,protein_coding	0.19995812	0.04799591
ENSMUSG00000002341.9,Ncan,protein_coding	0.1999363	0.18263143
ENSMUSG00000024376.8,Epb41l4a,protein_coding	0.1998871	0.28935727
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ENSMUSG00000028447.12,Dctn3,protein_coding	0.19974373	0.22768662

ENSMUSG00000038286.12,Bphl,protein_coding	0.19973563	0.16306371
ENSMUSG00000036585.17,Fgf1,protein_coding	0.19967446	0.29510267
ENSMUSG00000115987.2,Vps28,protein_coding	0.19967166	0.1111021
ENSMUSG00000035413.9,Tmem98,protein_coding	0.19966986	0.29065759
ENSMUSG00000001445.11,Mrpl10,protein_coding	0.19960968	0.0943266
ENSMUSG00000021318.16,Gli3,protein_coding	0.19959478	0.14254955
ENSMUSG00000029314.15,Gpat3,protein_coding	0.19956476	0.29336312
ENSMUSG00000021222.10,Dcaf4,protein_coding	0.19954647	0.16953605
ENSMUSG00000040524.10,Zfp609,protein_coding	0.19953162	0.02049996
ENSMUSG00000058997.9,Vwa8,protein_coding	0.19952472	0.00370413
ENSMUSG00000020593.17,Lpin1,protein_coding	0.19932891	0.07917861
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ENSMUSG00000033419.17,Snap91,protein_coding	0.19929387	0.05674991
ENSMUSG00000024261.7,Syt4,protein_coding	0.19926694	0.08207437
ENSMUSG00000020520.15,Galnt10,protein_coding	0.19919237	0.20903355
ENSMUSG00000001901.16,Kcnh6,protein_coding	0.19917193	0.55840352
ENSMUSG00000110020.3,Gm45441,lncRNA	0.19909532	0.52498056
ENSMUSG00000026278.15,Bok,protein_coding	0.19903307	0.40150752
ENSMUSG00000025730.16,Rab40c,protein_coding	0.19903143	0.04119459
ENSMUSG00000048040.9,Arxes2,protein_coding	0.19899336	0.22786984
ENSMUSG00000037736.21,Limch1,protein_coding	0.19894056	0.02830846
ENSMUSG00000038077.8,Kcna6,protein_coding	0.1989311	0.11546934
ENSMUSG00000106237.2,Gm8066,lncRNA	0.19893069	0.536112
ENSMUSG00000026819.16,Slc25a25,protein_coding	0.19886885	0.02755183
ENSMUSG00000013858.15,Tmem259,protein_coding	0.19884668	0.1397152
ENSMUSG00000137809.1,ENSMUSG00000137809,lncRNA	0.19872581	0.48337164
ENSMUSG00000038375.16,Trp53inp2,protein_coding	0.19872367	0.03646463
ENSMUSG00000040557.15,Mettl27,protein_coding	0.19867934	0.30705871
ENSMUSG00000029725.11,Ppp1r35,protein_coding	0.19858349	0.41969986
ENSMUSG00000050043.17,Tmx2,protein_coding	0.19857958	0.0464695
ENSMUSG00000033361.14,Prrg3,protein_coding	0.19854643	0.18306254
ENSMUSG00000053929.19,Zftraf1,protein_coding	0.19852205	0.05702375
ENSMUSG00000040697.11,Dnajc16,protein_coding	0.1984771	0.06160181
ENSMUSG00000023927.16,Satb1,protein_coding	0.19842097	0.17094041
ENSMUSG00000001576.16,Ergic1,protein_coding	0.19842042	0.02764232
ENSMUSG00000022679.14,Mpv17l,protein_coding	0.19841961	0.09647417
ENSMUSG00000049550.18,Clip1,protein_coding	0.1984173	0.04461669
ENSMUSG00000027387.12,Zc3h8,protein_coding	0.19840314	0.18795205
ENSMUSG00000085282.11,Gm15663,lncRNA	0.19840199	0.20297492
ENSMUSG00000024302.17,Dtna,protein_coding	0.19836454	0.06515654
ENSMUSG00000010914.11,Pdhx,protein_coding	0.19835601	0.01313919
ENSMUSG00000030327.9,Necap1,protein_coding	0.19832693	0.08192104
ENSMUSG00000037885.19,Stk35,protein_coding	0.19829008	0.031841
ENSMUSG00000002409.19,Dyrk1b,protein_coding	0.19828233	0.15696458
ENSMUSG00000028959.15,Fastk,protein_coding	0.19826198	0.09371996
ENSMUSG00000019210.11,Atp6v1e1,protein_coding	0.19823494	0.09230084
ENSMUSG00000045034.13,Ankrd34b,protein_coding	0.19819968	0.23322909
ENSMUSG00000015980.15,Lrrc27,protein_coding	0.19818069	0.2549327
ENSMUSG00000034040.18,Galnt17,protein_coding	0.19816566	0.12865567
ENSMUSG00000031189.13,Aff2,protein_coding	0.19810335	0.08130948
ENSMUSG00000121583.1,Gm57852,protein_coding	0.19797968	0.12547146
ENSMUSG00000037014.5,Sstr4,protein_coding	0.19788749	0.5051142

ENSMUSG00000103751.2,Gm37283,TEC	0.19780732	0.45493409
ENSMUSG00000037784.15,Dzip1l,protein_coding	0.19775223	0.07199467
ENSMUSG00000038415.11,Foxq1,protein_coding	0.19771072	0.35149751
ENSMUSG00000056553.15,Ptprn2,protein_coding	0.19762399	0.28154857
ENSMUSG00000113622.2,Gm49749,lncRNA	0.19762153	0.21780342
ENSMUSG00000030685.6,Kctd13,protein_coding	0.19761707	0.21602368
ENSMUSG00000018931.4,Natd1,protein_coding	0.19753088	0.09935513
ENSMUSG00000030272.16,Camk1,protein_coding	0.19750507	0.07577732
ENSMUSG00000044629.6,Cnrip1,protein_coding	0.19749095	0.15822975
ENSMUSG00000028830.15,AU040320,protein_coding	0.19743225	0.05435519
ENSMUSG00000035936.7,Aldh5a1,protein_coding	0.1973144	0.04620039
ENSMUSG00000039716.13,Dock3,protein_coding	0.19729852	0.10127533
ENSMUSG00000003464.14,Pex19,protein_coding	0.19729017	0.03022916
ENSMUSG00000047604.4,Frat2,protein_coding	0.19727336	0.27113587
ENSMUSG00000107838.2,Gm45769,TEC	0.19723668	0.43735496
ENSMUSG00000034371.10,Tkfc,protein_coding	0.19721682	0.1804514
ENSMUSG00000058070.15,Eml1,protein_coding	0.19719305	0.02812672
ENSMUSG00000104672.2,Gm43665,TEC	0.19712673	0.4758114
ENSMUSG00000132523.1,ENSMUSG00000132523,lncRNA	0.19708762	0.25097333
ENSMUSG00000038970.8,Lmtk2,protein_coding	0.19694434	0.08287614
ENSMUSG00000074649.7,Mmp24os1,protein_coding	0.19687349	0.23557935
ENSMUSG00000133344.1,ENSMUSG00000133344,lncRNA	0.19684367	0.22788112
ENSMUSG00000038740.10,Mvb12b,protein_coding	0.19682232	0.05413154
ENSMUSG00000040860.17,Crocc,protein_coding	0.19680355	0.31285707
ENSMUSG00000024163.19,Mapk8ip3,protein_coding	0.19680006	0.09157393
ENSMUSG00000026078.11,Pdcl3,protein_coding	0.19673617	0.13124535
ENSMUSG00000020241.14,Col6a2,protein_coding	0.19671359	0.24787784
ENSMUSG00000052861.14,Dnah6,protein_coding	0.19670253	0.35865007
ENSMUSG00000019320.15,Noxo1,protein_coding	0.19668939	0.48168863
ENSMUSG00000021772.16,Nkiras1,protein_coding	0.19663859	0.05287724
ENSMUSG00000064293.15,Cntn4,protein_coding	0.19655998	0.10295954
ENSMUSG00000002102.16,Psmc3,protein_coding	0.19654068	0.06029039
ENSMUSG00000074797.12,Itpa,protein_coding	0.19654036	0.07617988
ENSMUSG00000003200.11,Sh3gl1,protein_coding	0.19652672	0.07335078
ENSMUSG00000002844.10,Adprh,protein_coding	0.1964595	0.06455441
ENSMUSG00000025583.17,Rptor,protein_coding	0.19642274	0.01800423
ENSMUSG00000027584.18,Oprl1,protein_coding	0.19639356	0.37746468
ENSMUSG00000030207.16,Fam234b,protein_coding	0.1963817	0.0815686
ENSMUSG00000046679.17,C87436,protein_coding	0.19636643	0.00682999
ENSMUSG00000034799.17,Unc13a,protein_coding	0.19635934	0.22702738
ENSMUSG00000015605.7,Srf,protein_coding	0.19631072	0.14822743
ENSMUSG00000122428.1,ENSMUSG00000122428,lncRNA	0.1962955	0.40260872
ENSMUSG00000044252.19,Osbpl1a,protein_coding	0.19627327	0.16747815
ENSMUSG00000016494.10,Cd34,protein_coding	0.19625888	0.31646339
ENSMUSG00000040037.14,Negr1,protein_coding	0.19625615	0.10799005
ENSMUSG00000015377.11,Dennd6b,protein_coding	0.19619332	0.17498438
ENSMUSG00000020605.10,Hs1bp3,protein_coding	0.19618043	0.12500244
ENSMUSG00000037071.4,Scd1,protein_coding	0.19615695	0.0335329
ENSMUSG00000003411.11,Rab3b,protein_coding	0.19613901	0.25854111
ENSMUSG00000032606.8,Nicn1,protein_coding	0.19612558	0.06854595
ENSMUSG00000087094.3,Gm13093,lncRNA	0.19611867	0.66633083
ENSMUSG00000091568.10,Gm8206,protein_coding	0.19606613	0.72148903

ENSMUSG00000112433.3,Gm30122,lncRNA	0.19604796	0.41863898
ENSMUSG00000027646.16,Src,protein_coding	0.1959841	0.17354594
ENSMUSG00000032537.16,Ephb1,protein_coding	0.19594976	0.09342031
ENSMUSG00000029381.17,Shroom3,protein_coding	0.19594206	0.34704416
ENSMUSG00000036098.16,Myrf,protein_coding	0.19592888	0.11320058
ENSMUSG00000063524.14,Eno1,protein_coding	0.19586716	0.17201165
ENSMUSG00000022816.12,Fstl1,protein_coding	0.19584425	0.21437115
ENSMUSG00000045095.17,Magi1,protein_coding	0.19576282	0.05821934
ENSMUSG00000035849.15,Krt222,protein_coding	0.19566339	0.08305231
ENSMUSG00000026796.17,Niban2,protein_coding	0.19558185	0.13618854
ENSMUSG00000059518.15,Znhit1,protein_coding	0.19557894	0.24971828
ENSMUSG00000073591.5,Pcdhb22,protein_coding	0.19557839	0.08412521
ENSMUSG00000061650.7,Med9,protein_coding	0.19552077	0.12012686
ENSMUSG00000003308.16,Keap1,protein_coding	0.19548016	0.04265991
ENSMUSG00000001418.14,Glmp,protein_coding	0.19546811	0.08899985
ENSMUSG00000022091.7,Sorbs3,protein_coding	0.19544317	0.15364187
ENSMUSG00000021087.19,Rtn1,protein_coding	0.19541017	0.10630506
ENSMUSG00000011148.15,Adss1,protein_coding	0.19538704	0.14944737
ENSMUSG00000057060.9,Slc35f3,protein_coding	0.19533883	0.1472371
ENSMUSG00000003559.9,As3mt,protein_coding	0.19527961	0.2259977
ENSMUSG00000046709.20,Mapk10,protein_coding	0.19526925	0.09708611
ENSMUSG00000107655.2,Gm44220,TEC	0.19526048	0.42807314
ENSMUSG00000031993.8,Snx19,protein_coding	0.19519445	0.01656324
ENSMUSG00000060063.10,Alox5ap,protein_coding	0.19518834	0.59332408
ENSMUSG00000019087.14,Atp6ap1,protein_coding	0.19497464	0.09516923
ENSMUSG00000078963.4,Hsbp1l1,protein_coding	0.19486588	0.43723354
ENSMUSG00000106802.2,Gm42885,TEC	0.19482353	0.60023865
ENSMUSG00000106720.2,Gm43795,TEC	0.19473594	0.28720528
ENSMUSG00000019428.17,Fkbp8,protein_coding	0.19471864	0.15641337
ENSMUSG00000020260.10,Pofut2,protein_coding	0.19471676	0.06471911
ENSMUSG00000101939.2,Gm28438,transcribed_unprocessed_pseudogene	0.19469597	0.53963328
ENSMUSG00000035877.18,Zhx3,protein_coding	0.19467123	0.03487842
ENSMUSG00000038180.12,Spag4,protein_coding	0.19462972	0.37826361
ENSMUSG00000027255.15,Arfgap2,protein_coding	0.19460079	0.03582352
ENSMUSG00000001472.18,Tcf25,protein_coding	0.19459073	0.06415996
ENSMUSG00000024130.17,Abca3,protein_coding	0.19456477	0.03815707
ENSMUSG00000024799.17,Tm7sf2,protein_coding	0.19454862	0.19316657
ENSMUSG00000045948.9,Mrps12,protein_coding	0.1945075	0.35565602
ENSMUSG00000056749.8,Nfil3,protein_coding	0.19446489	0.22888272
ENSMUSG00000026141.14,Col19a1,protein_coding	0.19440089	0.34491144
ENSMUSG00000082226.5,Gm715,protein_coding	0.19438172	0.4865708
ENSMUSG00000124727.1,ENSMUSG00000124727,lncRNA	0.19433654	0.59605255
ENSMUSG00000005949.10,Ctns,protein_coding	0.19422461	0.0283602
ENSMUSG00000086175.4,Gm15802,lncRNA	0.19395571	0.53189327
ENSMUSG00000032305.16,Fam219b,protein_coding	0.19389389	0.04027594
ENSMUSG00000024442.7,Dele1,protein_coding	0.1938637	0.03503106
ENSMUSG00000030036.9,Mogs,protein_coding	0.193854	0.11362604
ENSMUSG00000051675.14,Trim32,protein_coding	0.19374347	0.0391891
ENSMUSG00000117679.2,Apbb3,protein_coding	0.19371241	0.04499873
ENSMUSG00000041923.16,Nol4,protein_coding	0.19368813	0.22886572
ENSMUSG00000032177.19,Pde4a,protein_coding	0.19365454	0.15400801
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ENSMUSG00000002808.8,Epdr1,protein_coding	0.19360156	0.06640174
ENSMUSG00000024121.14,Atp6v0c,protein_coding	0.19358739	0.2122913
ENSMUSG00000138440.1,ENSMUSG00000138440,lncRNA	0.19354026	0.50223374
ENSMUSG00000049122.18,Frmd3,protein_coding	0.19348138	0.18257697
ENSMUSG00000034327.19,Kctd9,protein_coding	0.19338228	0.22759039
ENSMUSG00000013822.8,Elof1,protein_coding	0.19320144	0.15651439
ENSMUSG00000029309.8,Sparcl1,protein_coding	0.193145	0.07623751
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ENSMUSG00000024350.7,Dnajc18,protein_coding	0.19301306	0.01497187
ENSMUSG00000022510.15,Trp63,protein_coding	0.19298862	0.47102079
ENSMUSG00000063275.17,Hacd1,protein_coding	0.19294093	0.26644504
ENSMUSG00000056856.15,Jakmip3,protein_coding	0.19290384	0.07630485
ENSMUSG00000059146.13,Ntrk3,protein_coding	0.19288529	0.14230583
ENSMUSG00000029007.9,Agtrap,protein_coding	0.19287005	0.17954269
ENSMUSG00000023971.10,Rrp36,protein_coding	0.19282568	0.19657634
ENSMUSG00000105489.3,Gm38562,lncRNA	0.19268658	0.60037699
ENSMUSG00000019302.18,Atp6v0a1,protein_coding	0.19267117	0.07707028
ENSMUSG00000100120.3,Gm53065,lncRNA	0.19257456	0.58923359
ENSMUSG00000069911.13,Insyn2b,protein_coding	0.19249436	0.49182629
ENSMUSG00000065968.9,Ifitm7,protein_coding	0.19249116	0.45061363
ENSMUSG00000027209.19,Fam227b,protein_coding	0.19247664	0.54719475
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ENSMUSG00000031584.17,Gsr,protein_coding	0.19240354	0.08104205
ENSMUSG00000038593.19,Tctn1,protein_coding	0.19234257	0.16124147
ENSMUSG00000093436.8,Gm20646,lncRNA	0.19231901	0.39181716
ENSMUSG00000134356.1,ENSMUSG00000134356,lncRNA	0.19221118	0.49281232
ENSMUSG00000031887.14,Tradd,protein_coding	0.19216386	0.47931308
ENSMUSG00000095041.8,ENSMUSG00000095041,protein_coding	0.19210212	0.55610864
ENSMUSG00000059049.16,Frem1,protein_coding	0.19208796	0.27281836
ENSMUSG00000026726.11,Cubn,protein_coding	0.19207388	0.55879378
ENSMUSG00000032044.5,Rpusd4,protein_coding	0.19203777	0.21342091
ENSMUSG00000020708.13,Psmc5,protein_coding	0.19199492	0.06891496
ENSMUSG00000016344.15,Ppdpf,protein_coding	0.19198727	0.17363784
ENSMUSG00000070705.4,Eid2b,protein_coding	0.19197017	0.09229639
ENSMUSG00000047284.15,Neurl4,protein_coding	0.19185996	0.07396153
ENSMUSG00000029168.15,Dpysl5,protein_coding	0.19185714	0.26694018
ENSMUSG00000062526.5,Mppe1,protein_coding	0.19180224	0.05103866
ENSMUSG00000069008.4,Gm5537,processed_pseudogene	0.19178399	0.5305743
ENSMUSG00000107448.2,Gm43947,TEC	0.19177075	0.50269579
ENSMUSG00000002948.20,Map2k7,protein_coding	0.19176986	0.04265636
ENSMUSG00000030203.18,Dusp16,protein_coding	0.19170978	0.17736826
ENSMUSG00000030862.14,Cpxm2,protein_coding	0.19170947	0.52608193
ENSMUSG00000007987.13,Ift22,protein_coding	0.19166905	0.0559709
ENSMUSG00000120345.2,Gm56493,lncRNA	0.19159575	0.47097314
ENSMUSG00000046556.8,Zfp319,protein_coding	0.19154904	0.05947653
ENSMUSG00000033863.3,Klf9,protein_coding	0.19152336	0.13430941
ENSMUSG00000025558.20,Dock9,protein_coding	0.19149391	0.08946557
ENSMUSG00000050931.8,Sgms2,protein_coding	0.19147352	0.39112717
ENSMUSG00000047539.10,Fbxo28,protein_coding	0.19142348	0.01029228
ENSMUSG00000068196.6,Col8a1,protein_coding	0.19141673	0.52122831
ENSMUSG00000030890.17,Ilk,protein_coding	0.19138683	0.05199409
ENSMUSG00000020133.9,2310011J03Rik,protein_coding	0.1913537	0.10247064

ENSMUSG00000043733.15,Ptpn11,protein_coding	0.19129385	0.00335163
ENSMUSG00000032198.10,Dock6,protein_coding	0.19129059	0.14882446
ENSMUSG00000013465.20,Nelfb,protein_coding	0.19127265	0.10933892
ENSMUSG00000005674.10,Tomm40l,protein_coding	0.19125692	0.12308685
ENSMUSG00000058239.14,Usf2,protein_coding	0.19124602	0.01334933
ENSMUSG00000078154.4,Cdk2ap1rt,protein_coding	0.19121296	0.7293948
ENSMUSG00000037344.15,Slc12a9,protein_coding	0.1911619	0.12502581
ENSMUSG00000023832.15,Acat2,protein_coding	0.19112136	0.15167792
ENSMUSG00000037605.18,Adgrl3,protein_coding	0.19104804	0.02657817
ENSMUSG00000025981.14,Coq10b,protein_coding	0.19104587	0.21919396
ENSMUSG00000066640.12,Fbxl18,protein_coding	0.19103281	0.05799223
ENSMUSG00000058230.14,Arhgap35,protein_coding	0.19092617	0.032619
ENSMUSG00000014592.23,Camta1,protein_coding	0.19074736	0.01521304
ENSMUSG00000033021.17,Gmppa,protein_coding	0.19067822	0.10098245
ENSMUSG00000070532.6,Ccdc190,protein_coding	0.1906713	0.1650705
ENSMUSG00000097917.4,Gm26839,lncRNA	0.19063728	0.50413203
ENSMUSG00000025034.10,Trim8,protein_coding	0.19063011	0.03832706
ENSMUSG00000046671.19,Mtfr1l,protein_coding	0.1905816	0.01414662
ENSMUSG00000028969.11,Cdk5,protein_coding	0.19052968	0.13689507
ENSMUSG00000030802.15,Bckdk,protein_coding	0.19047291	0.05493574
ENSMUSG00000042724.9,Map3k9,protein_coding	0.19046605	0.10417461
ENSMUSG00000029516.20,Cit,protein_coding	0.19043145	0.19262405
ENSMUSG00000078202.4,Nrarp,protein_coding	0.19042715	0.22869826
ENSMUSG00000033819.17,Ppp1r16a,protein_coding	0.19040081	0.10061275
ENSMUSG00000030652.12,Coq7,protein_coding	0.19035254	0.10617103
ENSMUSG00000087018.3,2900072N19Rik,lncRNA	0.1902642	0.48399225
ENSMUSG00000024926.11,Kat5,protein_coding	0.19025126	0.0621232
ENSMUSG00000071324.12,Armc2,protein_coding	0.19022086	0.20797836
ENSMUSG00000013833.16,Med16,protein_coding	0.19017996	0.13397181
ENSMUSG00000075227.7,Znhit2,protein_coding	0.19012865	0.37781202
ENSMUSG00000136569.1,ENSMUSG00000136569,lncRNA	0.19012243	0.28641644
ENSMUSG00000040705.4,A930016O22Rik,lncRNA	0.19010427	0.624688
ENSMUSG00000079157.5,Nalf1,protein_coding	0.19005725	0.0361906
ENSMUSG00000029478.17,Ncor2,protein_coding	0.18999058	0.13862691
ENSMUSG00000119959.2,Lppos,lncRNA	0.18994699	0.28940057
ENSMUSG00000039693.12,Msantd3,protein_coding	0.18984728	0.18291196
ENSMUSG00000071647.6,Eml3,protein_coding	0.18979759	0.28652007
ENSMUSG00000051439.8,Cd14,protein_coding	0.18976993	0.5810336
ENSMUSG00000035246.17,Pcyt1b,protein_coding	0.18976522	0.07593183
ENSMUSG00000033434.16,Gtpbp6,protein_coding	0.18975454	0.21553563
ENSMUSG00000026546.17,Cfap45,protein_coding	0.1897067	0.48235561
ENSMUSG00000089872.11,Rps6kc1,protein_coding	0.18957541	0.1092511
ENSMUSG00000040584.9,Abcb1a,protein_coding	0.18953666	0.19485168
ENSMUSG00000031216.14,Stard8,protein_coding	0.18947215	0.29454535
ENSMUSG00000071847.15,Apcdd1,protein_coding	0.18939009	0.07684592
ENSMUSG00000005397.9,Nid1,protein_coding	0.18937029	0.24215173
ENSMUSG00000045867.11,Cradd,protein_coding	0.18936504	0.25238584
ENSMUSG00000136949.1,ENSMUSG00000136949,lncRNA	0.18936186	0.52328777
ENSMUSG00000130600.1,ENSMUSG00000130600,lncRNA	0.18934678	0.38166161
ENSMUSG00000039913.13,Pak5,protein_coding	0.18926786	0.22013408
ENSMUSG00000032294.18,Pkm,protein_coding	0.18925172	0.09266797
ENSMUSG00000031823.15,Zdhhc7,protein_coding	0.18921337	0.06564665

ENSMUSG00000048799.9,Cep120,protein_coding	0.18920681	0.04596838
ENSMUSG00000031532.8,Saraf,protein_coding	0.18918324	0.11951889
ENSMUSG00000033985.18,Tesk2,protein_coding	0.18915294	0.18997665
ENSMUSG00000036327.19,Qsox2,protein_coding	0.18915143	0.02674218
ENSMUSG00000104651.2,Gm21168,processed_pseudogene	0.18904886	0.52768124
ENSMUSG00000049764.9,Zfp280b,protein_coding	0.18904487	0.01311991
ENSMUSG00000017009.4,Sdc4,protein_coding	0.18901307	0.19791876
ENSMUSG00000109257.2,Gm45200,TEC	0.18900501	0.35980257
ENSMUSG00000104416.2,Gm37067,TEC	0.18892619	0.22750004
ENSMUSG00000026904.18,Slc4a10,protein_coding	0.18880906	0.10945771
ENSMUSG00000030917.14,Ldaf1,protein_coding	0.18870878	0.5425092
ENSMUSG00000047090.14,Tmem198b,protein_coding	0.18869978	0.1696258
ENSMUSG00000019179.11,Mdh2,protein_coding	0.18861291	0.10452531
ENSMUSG00000030711.17,Sult1a1,protein_coding	0.18857621	0.53063233
ENSMUSG00000135262.1,ENSMUSG00000135262,lncRNA	0.1885482	0.50743364
ENSMUSG00000022602.15,Arc,protein_coding	0.18852021	0.53906162
ENSMUSG00000074281.5,Gm12522,lncRNA	0.18847812	0.337997
ENSMUSG00000035203.17,Epn1,protein_coding	0.18846411	0.09738255
ENSMUSG00000017221.15,Psmd3,protein_coding	0.18845675	0.06373684
ENSMUSG00000025651.15,Uqcrc1,protein_coding	0.18843211	0.08867866
ENSMUSG00000038065.14,Mturn,protein_coding	0.1883942	0.07233888
ENSMUSG00000001844.11,Zdhhc4,protein_coding	0.18838801	0.149466
ENSMUSG00000044390.6,Tigd3,protein_coding	0.18838318	0.26223081
ENSMUSG00000004056.17,Akt2,protein_coding	0.1882935	0.02773105
ENSMUSG00000022426.7,Josd1,protein_coding	0.18828328	0.04139443
ENSMUSG00000025871.19,4833439L19Rik,protein_coding	0.18828113	0.01709041
ENSMUSG00000004035.13,Gstm7,protein_coding	0.18824665	0.33533572
ENSMUSG00000025880.13,Smad7,protein_coding	0.18823321	0.06364952
ENSMUSG00000048755.10,Mcat,protein_coding	0.18821924	0.15363878
ENSMUSG00000004530.13,Coro1c,protein_coding	0.18820153	0.07938761
ENSMUSG00000063727.4,Tnfrsf11b,protein_coding	0.18815576	0.49888192
ENSMUSG00000047259.4,Mc4r,protein_coding	0.18810069	0.52185711
ENSMUSG00000026608.14,Kctd3,protein_coding	0.18795997	0.01121449
ENSMUSG00000041482.18,Piezo2,protein_coding	0.18792679	0.43675742
ENSMUSG00000025277.15,Abhd6,protein_coding	0.18789772	0.10209141
ENSMUSG00000070738.11,Dgkd,protein_coding	0.18786633	0.13281525
ENSMUSG00000102752.2,Gm7694,protein_coding	0.18785688	0.14461466
ENSMUSG00000053062.17,Jam2,protein_coding	0.18785647	0.0485609
ENSMUSG00000027270.15,Lamp5,protein_coding	0.18781515	0.48327428
ENSMUSG00000040997.15,Abhd4,protein_coding	0.18776282	0.06769262
ENSMUSG00000038895.17,Zfp653,protein_coding	0.18772841	0.22369127
ENSMUSG00000027016.18,Zfp385b,protein_coding	0.1877065	0.13521595
ENSMUSG00000033491.15,Prss35,protein_coding	0.18768733	0.36872812
ENSMUSG00000032959.13,Pebp1,protein_coding	0.1875416	0.15914424
ENSMUSG00000023827.9,Agpat4,protein_coding	0.18751968	0.09309354
ENSMUSG00000021390.7,Ogn,protein_coding	0.18737897	0.60817522
ENSMUSG00000005078.17,Jkamp,protein_coding	0.18736296	0.17645599
ENSMUSG00000034863.10,Ano8,protein_coding	0.18728609	0.15697814
ENSMUSG00000028542.18,Slc6a9,protein_coding	0.1872172	0.25406033
ENSMUSG00000128554.1,ENSMUSG00000128554,lncRNA	0.18721029	0.49979739
ENSMUSG00000040987.16,Mill2,protein_coding	0.18711581	0.59801658
ENSMUSG00000022383.14,Ppara,protein_coding	0.18709127	0.3927232

ENSMUSG00000107128.2,Gm42867,TEC	0.1870873	0.45754529
ENSMUSG00000018451.8,6330403K07Rik,protein_coding	0.18702384	0.37148423
ENSMUSG00000120162.2,Gm5817,lncRNA	0.18699935	0.17983358
ENSMUSG00000125280.1,ENSMUSG00000125280,lncRNA	0.18696981	0.54213358
ENSMUSG00000062991.10,Nrg1,protein_coding	0.18692904	0.11397896
ENSMUSG00000027076.11,Timm10,protein_coding	0.18691452	0.34081904
ENSMUSG00000026824.12,Kcnj3,protein_coding	0.18691291	0.1850059
ENSMUSG00000039523.17,Cep104,protein_coding	0.18687472	0.01840012
ENSMUSG00000111128.2,Gm49338,TEC	0.18686863	0.09492762
ENSMUSG00000040373.13,Cacng5,protein_coding	0.18681974	0.36322443
ENSMUSG00000120573.2,Gm57291,lncRNA	0.18681435	0.55519626
ENSMUSG00000044522.10,A730020M07Rik,lncRNA	0.18679825	0.64069107
ENSMUSG00000064225.7,Paqr9,protein_coding	0.18673317	0.10802786
ENSMUSG00000121725.2,Gm38503,lncRNA	0.18667581	0.563269
ENSMUSG00000020271.18,Fbxw11,protein_coding	0.18667155	0.01734699
ENSMUSG00000029592.12,Usp30,protein_coding	0.18661226	0.11380525
ENSMUSG00000014329.15,Bicc1,protein_coding	0.18659175	0.0875503
ENSMUSG00000105974.2,Gm43318,TEC	0.18652239	0.41180694
ENSMUSG00000020038.11,Cry1,protein_coding	0.18652163	0.16173145
ENSMUSG00000026204.16,Ptprn,protein_coding	0.18650016	0.27451508
ENSMUSG00000013160.8,Atp6v0d1,protein_coding	0.18649253	0.16276713
ENSMUSG00000039159.17,Ube2h,protein_coding	0.18646813	0.01281179
ENSMUSG00000000959.8,Oxa1l,protein_coding	0.18645473	0.0174733
ENSMUSG00000027447.7,Cst3,protein_coding	0.1864521	0.25096477
ENSMUSG00000104501.2,Gm37736,TEC	0.18644906	0.37297925
ENSMUSG00000027004.4,Frzb,protein_coding	0.18644563	0.50939004
ENSMUSG00000021294.8,Kif26a,protein_coding	0.18631266	0.30993184
ENSMUSG00000023945.8,Slc5a7,protein_coding	0.18621369	0.75713038
ENSMUSG00000024544.10,Ldlrad4,protein_coding	0.18620004	0.05562958
ENSMUSG00000031748.17,Gnao1,protein_coding	0.18610738	0.09248561
ENSMUSG00000051351.15,Zfp46,protein_coding	0.18598337	0.08476739
ENSMUSG00000028962.15,Slc4a2,protein_coding	0.18590115	0.21145844
ENSMUSG00000119992.2,Gm34632,lncRNA	0.18588511	0.29068801
ENSMUSG00000106206.2,Gm43094,TEC	0.18582594	0.62231337
ENSMUSG00000121808.2,ENSMUSG00000121808,lncRNA	0.1858193	0.10484989
ENSMUSG00000034135.16,Sik3,protein_coding	0.18575234	0.02747684
ENSMUSG00000120055.2,Gm39150,lncRNA	0.18572402	0.5477482
ENSMUSG00000103472.2,Pcdhga7,protein_coding	0.18571854	0.10984196
ENSMUSG00000009076.11,Zmat5,protein_coding	0.18569517	0.28289048
ENSMUSG00000037111.10,Setd7,protein_coding	0.18565558	0.01128082
ENSMUSG00000035215.10,Lsm7,protein_coding	0.18556571	0.20196639
ENSMUSG00000035776.15,Cd99l2,protein_coding	0.18546371	0.13180814
ENSMUSG00000120529.2,Gm57080,lncRNA	0.18544646	0.66820786
ENSMUSG00000049551.3,Fzd9,protein_coding	0.1853728	0.47527038
ENSMUSG00000033545.15,Znrf1,protein_coding	0.18533631	0.1133655
ENSMUSG00000002265.18,Peg3,protein_coding	0.18532619	0.05412832
ENSMUSG00000019659.9,Ccdc12,protein_coding	0.1852337	0.1680482
ENSMUSG00000023018.6,Smarcd1,protein_coding	0.18521605	0.18033956
ENSMUSG00000022263.11,Trio,protein_coding	0.18520824	0.03049782
ENSMUSG00000087497.10,2810001G20Rik,lncRNA	0.18517025	0.43498359
ENSMUSG00000032047.6,Acat1,protein_coding	0.18511996	0.04051881
ENSMUSG00000036825.13,Ssx2ip,protein_coding	0.18509325	0.0967037

ENSMUSG00000097789.3,Ctxnd1,protein_coding	0.18498662	0.22030329
ENSMUSG00000015478.14,Rnf5,protein_coding	0.18493219	0.13833319
ENSMUSG00000026632.18,Tatdn3,protein_coding	0.18484397	0.10548152
ENSMUSG00000048429.11,Timm29,protein_coding	0.18484063	0.04839104
ENSMUSG00000040236.5,Trappc5,protein_coding	0.1848218	0.02667129
ENSMUSG00000051113.10,Garin5a,protein_coding	0.18477553	0.37016853
ENSMUSG00000102062.3,Gm29246,lncRNA	0.18475068	0.33967201
ENSMUSG00000018820.14,Zfyve27,protein_coding	0.18474209	0.04744719
ENSMUSG00000068923.15,Syt11,protein_coding	0.18472236	0.08696467
ENSMUSG00000022802.3,Lmln,protein_coding	0.18465973	0.10121251
ENSMUSG00000121496.2,Ube2d-ps,lncRNA	0.18465239	0.13077731
ENSMUSG00000011877.14,Git1,protein_coding	0.18464938	0.12620729
ENSMUSG00000027618.18,Nfs1,protein_coding	0.18459078	0.02739895
ENSMUSG00000091898.9,Tnnc1,protein_coding	0.18453229	0.63940484
ENSMUSG00000097561.2,4632411P08Rik,lncRNA	0.18452919	0.61749338
ENSMUSG00000044576.7,Garem2,protein_coding	0.18441538	0.18600987
ENSMUSG00000020340.17,Cyfip2,protein_coding	0.18433273	0.08596959
ENSMUSG00000025410.11,Dctn2,protein_coding	0.18432037	0.04897079
ENSMUSG00000032485.15,Scap,protein_coding	0.18428378	0.09182524
ENSMUSG00000087366.10,Junos,lncRNA	0.18420741	0.38471631
ENSMUSG00000022935.17,Grik1,protein_coding	0.18418229	0.07802691
ENSMUSG00000102758.4,Naaladl2,protein_coding	0.18417391	0.28227304
ENSMUSG00000022490.8,Ppp1r1a,protein_coding	0.18404783	0.3523554
ENSMUSG00000117406.2,Ntn3,protein_coding	0.18404008	0.27456882
ENSMUSG00000022629.19,Kif21a,protein_coding	0.18400432	0.08548609
ENSMUSG00000025223.16,Ldb1,protein_coding	0.18397727	0.06921229
ENSMUSG00000041528.17,Rnf123,protein_coding	0.18389237	0.16653701
ENSMUSG00000020821.18,Kif1c,protein_coding	0.1838503	0.03050438
ENSMUSG00000041439.16,Mfsd6,protein_coding	0.18384388	0.04542687
ENSMUSG00000043398.6,Gpr135,protein_coding	0.1838172	0.20598247
ENSMUSG00000056014.17,A430033K04Rik,protein_coding	0.18380355	0.07701079
ENSMUSG00000039450.12,Dcxr,protein_coding	0.18379386	0.53371404
ENSMUSG00000044749.14,Abca6,protein_coding	0.18375382	0.41033613
ENSMUSG00000008658.18,Rbfox1,protein_coding	0.18373119	0.17972935
ENSMUSG00000027397.15,Slc20a1,protein_coding	0.18359375	0.01779657
ENSMUSG00000049858.9,Suox,protein_coding	0.18354531	0.15556779
ENSMUSG00000049176.17,Frmpd4,protein_coding	0.18348383	0.18224758
ENSMUSG00000015337.6,Endog,protein_coding	0.18345952	0.33970168
ENSMUSG00000078789.10,Dph1,protein_coding	0.18341538	0.38827584
ENSMUSG00000055943.6,Emc7,protein_coding	0.18340403	0.0654941
ENSMUSG00000028796.18,Phc2,protein_coding	0.18317737	0.0364023
ENSMUSG00000028454.17,Pigo,protein_coding	0.18311737	0.11908481
ENSMUSG00000022702.17,Hira,protein_coding	0.18301694	0.00615243
ENSMUSG00000005982.15,Naa60,protein_coding	0.18289865	0.01826622
ENSMUSG00000022946.11,Dop1b,protein_coding	0.18286119	0.04060645
ENSMUSG00000000296.9,Tpd52l1,protein_coding	0.18279241	0.38931202
ENSMUSG00000032556.12,Bfsp2,protein_coding	0.18276488	0.7229989
ENSMUSG00000040234.17,Tm7sf3,protein_coding	0.18267873	0.05421587
ENSMUSG00000109852.2,Gm45360,TEC	0.18262655	0.53328797
ENSMUSG00000029461.18,Fam168a,protein_coding	0.18261418	0.0280103
ENSMUSG00000048264.17,Dip2c,protein_coding	0.18250379	0.07875685
ENSMUSG00000020329.13,Polrmt,protein_coding	0.18249889	0.11992954

ENSMUSG00000074657.6,Kif5a,protein_coding	0.18248072	0.18732178
ENSMUSG00000023191.10,P3h3,protein_coding	0.18245344	0.21401297
ENSMUSG00000029821.16,Gsdme,protein_coding	0.18242928	0.21745071
ENSMUSG00000055409.15,Nell1,protein_coding	0.18242713	0.34446788
ENSMUSG00000050071.9,Bex1,protein_coding	0.18242639	0.11873834
ENSMUSG00000112595.2,Gm47340,processed_pseudogene	0.18237097	0.56820821
ENSMUSG00000121832.2,Gm5124,lncRNA	0.18234611	0.28302824
ENSMUSG00000030410.17,Dmwd,protein_coding	0.18227987	0.16364268
ENSMUSG00000020044.14,Timp3,protein_coding	0.18227704	0.10423428
ENSMUSG00000017868.17,Sgk2,protein_coding	0.18225499	0.48656467
ENSMUSG00000030835.7,Nomo1,protein_coding	0.18219873	0.05810152
ENSMUSG00000044715.8,Gskip,protein_coding	0.18219815	0.03971323
ENSMUSG00000017176.18,Nt5c3b,protein_coding	0.18212227	0.03730932
ENSMUSG00000050908.13,Tvp23a,protein_coding	0.18212116	0.19471813
ENSMUSG00000051853.11,Arf3,protein_coding	0.18205532	0.22442788
ENSMUSG00000120844.1,B930046K06Rik,lncRNA	0.18202631	0.4744265
ENSMUSG00000051497.16,Kcnj16,protein_coding	0.1820118	0.22783508
ENSMUSG00000108353.2,Gm45205,TEC	0.18193505	0.39078112
ENSMUSG00000034403.17,Pja1,protein_coding	0.18189122	0.13782283
ENSMUSG00000102824.2,Pdcd5-ps,transcribed_processed_pseudogene	0.18186193	0.67820005
ENSMUSG00000025314.19,Ptprj,protein_coding	0.18185022	0.09435027
ENSMUSG00000004394.13,Tmed4,protein_coding	0.18181421	0.04985274
ENSMUSG00000037606.19,Osbpl5,protein_coding	0.18172509	0.19235148
ENSMUSG00000021185.17,Dglucy,protein_coding	0.18171811	0.25870564
ENSMUSG00000061175.13,Fnip2,protein_coding	0.18167803	0.11040011
ENSMUSG00000023007.16,Prpf40b,protein_coding	0.18158964	0.1450563
ENSMUSG00000057101.9,Zfp180,protein_coding	0.18157867	0.03864343
ENSMUSG00000049420.10,Tmem200a,protein_coding	0.18150729	0.26700857
ENSMUSG00000028032.14,Papss1,protein_coding	0.18149731	0.07251478
ENSMUSG00000087128.10,Gm12655,lncRNA	0.18148738	0.27140723
ENSMUSG00000057666.19,Gapdh,protein_coding	0.18145991	0.14613165
ENSMUSG00000004071.14,Cdip1,protein_coding	0.18142295	0.02227877
ENSMUSG00000003363.16,Pld3,protein_coding	0.18136378	0.34686628
ENSMUSG00000071192.7,Wfikkn1,protein_coding	0.18129182	0.52637258
ENSMUSG00000023044.3,Csad,protein_coding	0.18126222	0.06172809
ENSMUSG00000109401.2,Cpeb1os1,TEC	0.18122214	0.5124888
ENSMUSG00000037211.13,Spry1,protein_coding	0.18113577	0.26089213
ENSMUSG00000139259.1,ENSMUSG00000139259,lncRNA	0.18113071	0.56274641
ENSMUSG00000114853.2,D030051J21Rik,lncRNA	0.18106026	0.81486007
ENSMUSG00000027194.17,Ttc17,protein_coding	0.18100191	0.02666152
ENSMUSG00000025650.14,Col7a1,protein_coding	0.18099817	0.38448734
ENSMUSG00000050357.10,Carmil2,protein_coding	0.1809828	0.10897177
ENSMUSG00000049092.12,Gpr137c,protein_coding	0.18093871	0.04644385
ENSMUSG00000032497.20,Lrrfip2,protein_coding	0.18093427	0.02386099
ENSMUSG00000025933.16,Tmem14a,protein_coding	0.18093203	0.25936002
ENSMUSG00000004044.10,Cavin1,protein_coding	0.1808834	0.20318312
ENSMUSG00000044393.16,Dsg2,protein_coding	0.18084178	0.37477556
ENSMUSG00000026313.17,Hdac4,protein_coding	0.18080648	0.06231043
ENSMUSG00000015747.6,Vps45,protein_coding	0.18076538	0.04419425
ENSMUSG00000039414.11,Heatr5b,protein_coding	0.18071119	0.03302942
ENSMUSG00000038046.5,Mrm3,protein_coding	0.1806876	0.24411457
ENSMUSG00000019254.17,Ppp1r12c,protein_coding	0.18065505	0.12615982

ENSMUSG00000022037.16,Clu,protein_coding	0.18059224	0.18601852
ENSMUSG00000026627.8,Pacc1,protein_coding	0.18058393	0.12092994
ENSMUSG00000015053.15,Gata2,protein_coding	0.18055685	0.41050259
ENSMUSG00000028931.13,Kcnab2,protein_coding	0.18054518	0.21620311
ENSMUSG00000079304.6,Tex52,protein_coding	0.18047668	0.48290513
ENSMUSG00000031879.15,Ciao2b,protein_coding	0.18038639	0.28636748
ENSMUSG00000029634.16,Rnf6,protein_coding	0.18036239	0.00379555
ENSMUSG00000031901.13,Dus2,protein_coding	0.18032285	0.12976374
ENSMUSG00000028358.16,Zfp618,protein_coding	0.18031397	0.26144976
ENSMUSG00000138458.1,ENSMUSG00000138458,lncRNA	0.18030026	0.60440251
ENSMUSG00000018217.13,Pmp22,protein_coding	0.18028473	0.37689405
ENSMUSG00000021460.18,Auh,protein_coding	0.18027984	0.02296269
ENSMUSG00000043079.18,Synpo,protein_coding	0.18023891	0.37348408
ENSMUSG00000026170.7,Cyp27a1,protein_coding	0.18020895	0.33749054
ENSMUSG00000031910.15,Has3,protein_coding	0.18017349	0.31920224
ENSMUSG00000028441.13,Spmip6,protein_coding	0.18017234	0.68420441
ENSMUSG00000121029.2,Gm57398,lncRNA	0.18014979	0.70402593
ENSMUSG00000050199.14,Lgr4,protein_coding	0.1801201	0.10147771
ENSMUSG00000047907.12,Tshz2,protein_coding	0.18011982	0.25724342
ENSMUSG00000055125.9,M5C1000I18Rik,lncRNA	0.18007105	0.44189159
ENSMUSG00000021573.16,Tppp,protein_coding	0.17985286	0.21609626
ENSMUSG00000046159.17,Chrm3,protein_coding	0.17981292	0.38021057
ENSMUSG00000031441.16,Atp11a,protein_coding	0.17950993	0.04512034
ENSMUSG00000121019.2,Gm57163,lncRNA	0.17947755	0.54082964
ENSMUSG00000060579.14,Fhit,protein_coding	0.17939036	0.57371937
ENSMUSG00000086340.3,1810059C17Rik,lncRNA	0.17934925	0.64957985
ENSMUSG00000043192.5,Gpi-ps,processed_pseudogene	0.17920954	0.34544073
ENSMUSG00000029207.18,Apbb2,protein_coding	0.17914258	0.0066517
ENSMUSG00000047388.11,Atmin,protein_coding	0.17912964	0.07533196
ENSMUSG00000085386.3,Gm13630,lncRNA	0.17897099	0.67396931
ENSMUSG00000038271.18,Iffo1,protein_coding	0.17895023	0.12138338
ENSMUSG00000022545.14,Ercc4,protein_coding	0.17894545	0.03905194
ENSMUSG00000002778.15,Kdelr1,protein_coding	0.17884625	0.02936621
ENSMUSG00000071076.9,Jund,protein_coding	0.17882045	0.03579681
ENSMUSG00000094786.3,Gm14403,protein_coding	0.17880193	0.59956672
ENSMUSG00000039047.18,Pigk,protein_coding	0.17879051	0.01719527
ENSMUSG00000031391.19,L1cam,protein_coding	0.17877617	0.24037981
ENSMUSG00000120250.2,2010004M13Rik,lncRNA	0.1787709	0.72399564
ENSMUSG00000063297.8,Luzp2,protein_coding	0.1787554	0.16213741
ENSMUSG00000033917.16,Gde1,protein_coding	0.17868141	0.10852045
ENSMUSG00000022390.12,Zc3h7b,protein_coding	0.17866313	0.04570675
ENSMUSG00000011589.10,Fsd1,protein_coding	0.17864122	0.29007578
ENSMUSG00000108126.2,Gm43909,TEC	0.17860738	0.562829
ENSMUSG00000115157.3,Gm49397,lncRNA	0.17860578	0.41190497
ENSMUSG00000025728.17,Pigq,protein_coding	0.1785245	0.05010217
ENSMUSG00000108255.3,Gm16499,lncRNA	0.1785233	0.47993874
ENSMUSG00000003549.10,Ercc1,protein_coding	0.17848361	0.17386563
ENSMUSG00000003423.16,Pih1d1,protein_coding	0.1784568	0.23466898
ENSMUSG00000022261.7,Sdc2,protein_coding	0.17838565	0.077138
ENSMUSG00000020785.18,Camkk1,protein_coding	0.17833774	0.16118749
ENSMUSG00000037503.13,Fam168b,protein_coding	0.17833111	0.02017794
ENSMUSG00000120789.2,Gm56686,lncRNA	0.17828187	0.45036198

ENSMUSG00000047557.3,Lxn,protein_coding	0.17820637	0.24842523
ENSMUSG00000037509.22,Arhgef4,protein_coding	0.17817184	0.07875483
ENSMUSG00000085492.10,Trmt61b,lncRNA	0.17816944	0.20616479
ENSMUSG00000079037.10,Prnp,protein_coding	0.17815434	0.10855068
ENSMUSG00000046541.10,Zfp526,protein_coding	0.17814791	0.10496563
ENSMUSG00000032204.14,Aqp9,protein_coding	0.17814716	0.55012299
ENSMUSG00000015501.11,Hivep2,protein_coding	0.17812946	0.18382209
ENSMUSG00000014164.16,Klhl3,protein_coding	0.17809588	0.17867156
ENSMUSG00000019471.11,Cdc37,protein_coding	0.17809302	0.05458959
ENSMUSG00000024665.9,Fads2,protein_coding	0.1780532	0.16949875
ENSMUSG00000045294.12,Insig1,protein_coding	0.17804379	0.10374858
ENSMUSG00000001493.10,Meox1,protein_coding	0.1780268	0.59787167
ENSMUSG00000066892.15,Fbxl12,protein_coding	0.17798881	0.16235356
ENSMUSG00000015709.10,Arnt2,protein_coding	0.1779867	0.25832376
ENSMUSG00000120324.2,Gm57007,lncRNA	0.17796168	0.42344765
ENSMUSG00000047153.5,Khnyn,protein_coding	0.17795522	0.3007985
ENSMUSG00000018965.12,Ywhah,protein_coding	0.17790131	0.13634332
ENSMUSG00000106241.2,Gm43143,TEC	0.17784037	0.36361318
ENSMUSG00000040495.5,Chrm4,protein_coding	0.17779915	0.59338525
ENSMUSG00000036473.17,Tbc1d24,protein_coding	0.17768494	0.12430067
ENSMUSG00000029778.13,Adcyap1r1,protein_coding	0.17763376	0.14569847
ENSMUSG00000031149.8,Praf2,protein_coding	0.17762875	0.16403242
ENSMUSG00000029346.13,Srrd,protein_coding	0.17762263	0.29236835
ENSMUSG00000096458.8,Moap1,protein_coding	0.17761445	0.48770017
ENSMUSG00000052214.10,Opa3,protein_coding	0.17759626	0.05600655
ENSMUSG00000109179.3,Wdr97,protein_coding	0.17758023	0.39052875
ENSMUSG00000022768.18,Ccdc116,protein_coding	0.17754869	0.48426037
ENSMUSG00000027188.9,Pamr1,protein_coding	0.1774916	0.48795287
ENSMUSG00000028393.11,Alad,protein_coding	0.17746585	0.302407
ENSMUSG00000034748.17,Sirt6,protein_coding	0.17744254	0.30811422
ENSMUSG00000054814.15,Usp46,protein_coding	0.17729571	0.07807867
ENSMUSG00000088185.3,Scarna2,scaRNA	0.17714743	0.19731077
ENSMUSG00000005958.16,Ephb3,protein_coding	0.17711003	0.37343183
ENSMUSG00000114138.3,Gm36423,lncRNA	0.17710054	0.53322988
ENSMUSG00000042210.19,Abhd14a,protein_coding	0.1770393	0.25018237
ENSMUSG00000014791.11,Elmo3,protein_coding	0.17701189	0.51955263
ENSMUSG00000024030.8,Abcg1,protein_coding	0.17698788	0.01800644
ENSMUSG00000005204.13,Senp3,protein_coding	0.1768902	0.06741683
ENSMUSG00000121247.2,Gm57404,lncRNA	0.17688592	0.22155561
ENSMUSG00000003279.18,Dlgap1,protein_coding	0.17683616	0.21592484
ENSMUSG00000022505.10,Emp2,protein_coding	0.17680375	0.10274819
ENSMUSG00000022055.8,Nefl,protein_coding	0.17678071	0.22933771
ENSMUSG00000022472.17,Desi1,protein_coding	0.17676363	0.03226486
ENSMUSG00000024019.19,Cmtr1,protein_coding	0.17673081	0.04556853
ENSMUSG00000020052.10,Ascl1,protein_coding	0.17670713	0.40318781
ENSMUSG00000108010.3,Spehd,lncRNA	0.17666419	0.65070401
ENSMUSG00000032252.15,Glce,protein_coding	0.17664063	0.06405242
ENSMUSG00000052688.13,Rab7b,protein_coding	0.17663741	0.44541838
ENSMUSG00000078451.6,Ppil6,protein_coding	0.17660301	0.46397848
ENSMUSG00000114442.3,F630042J09Rik,lncRNA	0.17656549	0.3498515
ENSMUSG00000103088.2,Pcdhgb6,protein_coding	0.17651637	0.12746542
ENSMUSG00000039810.12,Zc3h10,protein_coding	0.17651619	0.05577928

ENSMUSG00000065778.3,Gm22154,snoRNA	0.17648913	0.4489474
ENSMUSG00000025156.18,Gps1,protein_coding	0.17647101	0.11770062
ENSMUSG00000090083.12,Rnf8,protein_coding	0.17643279	0.05826754
ENSMUSG00000034757.16,Tmub2,protein_coding	0.17641104	0.13077956
ENSMUSG00000029722.16,Agfg2,protein_coding	0.17633991	0.11261592
ENSMUSG00000029578.16,Wipi2,protein_coding	0.17623997	0.02234558
ENSMUSG00000032452.13,Clstn2,protein_coding	0.17618162	0.25130615
ENSMUSG00000030583.17,Sipa1l3,protein_coding	0.17610829	0.21256386
ENSMUSG00000034285.16,Nipsnap1,protein_coding	0.17606373	0.12810041
ENSMUSG00000036634.16,Mag,protein_coding	0.17606042	0.23666598
ENSMUSG00000006526.14,Stimate,protein_coding	0.1760426	0.10065247
ENSMUSG00000027575.20,Arfgap1,protein_coding	0.1760017	0.05164202
ENSMUSG00000064120.15,Mocs1,protein_coding	0.1760016	0.2484742
ENSMUSG00000143590.1,ENSMUSG00000143590,lncRNA	0.17599615	0.41056358
ENSMUSG00000028329.14,Xpa,protein_coding	0.17599451	0.28322804
ENSMUSG00000093910.3,Zfp853,protein_coding	0.17596801	0.50224276
ENSMUSG00000094626.2,Tmem121b,protein_coding	0.1758443	0.41080612
ENSMUSG00000021102.5,Glrx5,protein_coding	0.17578356	0.16189589
ENSMUSG00000111547.2,Gm48069,TEC	0.17561674	0.55053574
ENSMUSG00000024193.9,Phf1,protein_coding	0.17556766	0.25578752
ENSMUSG00000112174.2,Gm48535,lncRNA	0.17551871	0.82278385
ENSMUSG00000110043.2,Gm7328,processed_pseudogene	0.17549385	0.47114752
ENSMUSG00000055003.15,Lrtm2,protein_coding	0.17547068	0.27286231
ENSMUSG00000027673.13,Ndufb5,protein_coding	0.17538797	0.04361724
ENSMUSG00000045404.17,Kcnk13,protein_coding	0.17530821	0.23219913
ENSMUSG00000020829.10,Slc46a1,protein_coding	0.17529873	0.3966082
ENSMUSG00000021143.11,Pacs2,protein_coding	0.17524948	0.0810146
ENSMUSG00000039640.8,Mrpl12,protein_coding	0.17524448	0.21587605
ENSMUSG00000052675.12,Zfp112,protein_coding	0.17522258	0.1690183
ENSMUSG00000028782.15,Adgrb2,protein_coding	0.17514672	0.32432494
ENSMUSG00000001794.14,Capns1,protein_coding	0.17508708	0.12724608
ENSMUSG00000105095.2,8430422M14Rik,TEC	0.17498927	0.55675767
ENSMUSG00000074220.11,Zfp382,protein_coding	0.17495456	0.05384093
ENSMUSG00000019437.18,Tlcd1,protein_coding	0.17492292	0.08265051
ENSMUSG00000031965.16,Tbx20,protein_coding	0.17490969	0.90436947
ENSMUSG00000048027.10,Rgmb,protein_coding	0.17490415	0.06497229
ENSMUSG00000062861.9,Zfp28,protein_coding	0.17487449	0.1517746
ENSMUSG00000037855.16,Zfp365,protein_coding	0.17486915	0.38112814
ENSMUSG00000035279.9,Ssc5d,protein_coding	0.17486769	0.45730695
ENSMUSG00000040209.13,Zfp704,protein_coding	0.17485418	0.10949862
ENSMUSG00000029467.16,Atp2a2,protein_coding	0.17479717	0.06518507
ENSMUSG00000039578.18,Ccser1,protein_coding	0.17477502	0.15876326
ENSMUSG00000020402.12,Vdac1,protein_coding	0.17470691	0.12108627
ENSMUSG00000039372.6,Marchf4,protein_coding	0.17470636	0.17533781
ENSMUSG00000024560.8,Cxxc1,protein_coding	0.17466381	0.13709459
ENSMUSG00000020893.18,Per1,protein_coding	0.17465821	0.23273262
ENSMUSG00000029518.16,Rab35,protein_coding	0.17462755	0.02544711
ENSMUSG00000027457.16,Snph,protein_coding	0.17453414	0.16449123
ENSMUSG00000140760.1,ENSMUSG00000140760,lncRNA	0.1745143	0.36979627
ENSMUSG00000041674.18,BC006965,lncRNA	0.17445684	0.59090456
ENSMUSG00000003316.15,Glg1,protein_coding	0.17438533	0.03171268
ENSMUSG00000035107.14,Dcbld2,protein_coding	0.17438468	0.02597936

ENSMUSG00000021493.16,Pdlim7,protein_coding	0.17437492	0.24352199
ENSMUSG00000025648.19,Pfkfb4,protein_coding	0.17430717	0.15165623
ENSMUSG00000028528.18,Dnajc6,protein_coding	0.17430647	0.11818339
ENSMUSG00000041912.13,Tdrkh,protein_coding	0.17420767	0.09256211
ENSMUSG00000006517.6,Mvd,protein_coding	0.1741928	0.39189824
ENSMUSG00000037204.8,Atg101,protein_coding	0.17416688	0.25313519
ENSMUSG00000078695.9,Cisd3,protein_coding	0.17404508	0.34919168
ENSMUSG00000026223.16,Itm2c,protein_coding	0.1740381	0.23800454
ENSMUSG00000029145.13,Eif2b4,protein_coding	0.17386089	0.22331779
ENSMUSG00000090077.10,Lime1,protein_coding	0.17382053	0.45484871
ENSMUSG00000038013.15,Wipf2,protein_coding	0.17375874	0.05378464
ENSMUSG00000023942.16,Slc29a1,protein_coding	0.17373923	0.26463983
ENSMUSG00000027495.5,Fam210b,protein_coding	0.17372854	0.24078232
ENSMUSG00000024810.17,Il33,protein_coding	0.17366492	0.21211634
ENSMUSG00000027568.10,Ntsr1,protein_coding	0.1736241	0.53066266
ENSMUSG00000103828.2,2610001A08Rik,TEC	0.1736142	0.58515843
ENSMUSG00000013622.16,Atraid,protein_coding	0.17358303	0.20727299
ENSMUSG00000038916.8,Mtcl3,protein_coding	0.17348927	0.08186391
ENSMUSG00000097595.4,1500002F19Rik,lncRNA	0.17348131	0.58757706
ENSMUSG00000013236.18,Ptprs,protein_coding	0.17343063	0.1949669
ENSMUSG00000033713.13,Foxn3,protein_coding	0.17331076	0.10397587
ENSMUSG00000119476.1,Rnu1a1,snRNA	0.17327498	0.2369996
ENSMUSG00000118815.1,Gm22068,snRNA	0.17327498	0.2369996
ENSMUSG00000070371.12,Prss36,protein_coding	0.17316629	0.37901015
ENSMUSG00000021687.15,Scamp1,protein_coding	0.17314566	0.11665789
ENSMUSG00000024873.8,Cnih2,protein_coding	0.17314148	0.36077361
ENSMUSG00000039660.17,Spout1,protein_coding	0.17313132	0.11629061
ENSMUSG00000078429.10,Ctdsp2,protein_coding	0.17305969	0.076538
ENSMUSG00000045822.5,Zswim3,protein_coding	0.17297598	0.28740507
ENSMUSG00000021770.12,Samd8,protein_coding	0.17283095	0.06630611
ENSMUSG00000108737.2,BC060293,TEC	0.17278186	0.36830519
ENSMUSG00000029864.8,Gstk1,protein_coding	0.17270358	0.48171899
ENSMUSG00000044499.12,Hs3st5,protein_coding	0.1726681	0.13856787
ENSMUSG00000042155.4,Klhl23,protein_coding	0.17261557	0.17717885
ENSMUSG00000004113.20,Cacna1b,protein_coding	0.17261329	0.18027108
ENSMUSG00000041949.7,Tango6,protein_coding	0.17254995	0.17293816
ENSMUSG00000024855.11,Pacs1,protein_coding	0.1725302	0.24404337
ENSMUSG00000024012.19,Mtch1,protein_coding	0.17249893	0.24766658
ENSMUSG00000020333.18,Acsl6,protein_coding	0.1723131	0.02369785
ENSMUSG00000020778.13,Ten1,protein_coding	0.17229752	0.16418713
ENSMUSG00000104063.2,Pcdhgb7,protein_coding	0.17229465	0.28734902
ENSMUSG00000033983.15,Coil,protein_coding	0.17228254	0.11614244
ENSMUSG00000037972.8,Snn,protein_coding	0.17224228	0.18291554
ENSMUSG00000042750.8,Bex2,protein_coding	0.17223297	0.2442175
ENSMUSG00000020604.14,Arsg,protein_coding	0.17218279	0.19666162
ENSMUSG00000032046.16,Abhd12,protein_coding	0.17218048	0.1247369
ENSMUSG00000090100.8,Ttbk2,protein_coding	0.17216646	0.03847493
ENSMUSG00000029196.10,Tada2b,protein_coding	0.17212908	0.0235939
ENSMUSG00000036564.18,Ndrg4,protein_coding	0.17211725	0.25445201
ENSMUSG00000031385.15,Plxnb3,protein_coding	0.17210446	0.22068126
ENSMUSG00000025372.17,Baiap2,protein_coding	0.17209706	0.29108072
ENSMUSG00000063018.9,2010204K13Rik,lncRNA	0.17206783	0.42901081

ENSMUSG00000117674.3,Gm31087,lncRNA	0.17203413	0.59611181
ENSMUSG00000063142.17,Kcnma1,protein_coding	0.1719059	0.22280831
ENSMUSG00000069171.15,Nr2f1,protein_coding	0.17189487	0.16395083
ENSMUSG00000106673.2,Gm43374,TEC	0.17189143	0.49832534
ENSMUSG00000055430.5,Nap1l5,protein_coding	0.17186323	0.20422806
ENSMUSG00000059921.16,Unc5c,protein_coding	0.17183865	0.22922598
ENSMUSG00000060038.15,Dhps,protein_coding	0.17174118	0.34622753
ENSMUSG00000104571.2,Gm43010,TEC	0.17172569	0.47614603
ENSMUSG00000009075.3,Cabp7,protein_coding	0.17169452	0.4342369
ENSMUSG00000003546.11,Klc4,protein_coding	0.17163141	0.25425703
ENSMUSG00000118662.2,Tctn2,protein_coding	0.17162415	0.25474457
ENSMUSG00000056185.6,Snx32,protein_coding	0.17160556	0.20395732
ENSMUSG00000027742.14,Cog6,protein_coding	0.17160513	0.04844017
ENSMUSG00000029708.10,Gcc1,protein_coding	0.17159945	0.03993534
ENSMUSG00000048355.3,Arxes1,protein_coding	0.17158593	0.28870507
ENSMUSG00000020309.7,Chac2,protein_coding	0.17157914	0.48755681
ENSMUSG00000030465.21,Psd3,protein_coding	0.17154139	0.20142521
ENSMUSG00000020079.16,Supv3l1,protein_coding	0.17148152	0.05034556
ENSMUSG00000102971.2,A730062M13Rik,TEC	0.17138428	0.67405203
ENSMUSG00000097787.5,Sgms1os1,lncRNA	0.17129295	0.32457226
ENSMUSG00000106229.2,Gm19409,lncRNA	0.1712911	0.30657869
ENSMUSG00000067629.14,Syngap1,protein_coding	0.17127426	0.36081822
ENSMUSG00000124773.1,ENSMUSG00000124773,lncRNA	0.17124253	0.58911126
ENSMUSG00000020422.15,Tns3,protein_coding	0.17120284	0.04749234
ENSMUSG00000072235.7,Tuba1a,protein_coding	0.17119178	0.21854484
ENSMUSG00000049760.7,Micos13,protein_coding	0.17115871	0.25979955
ENSMUSG00000039683.17,Sdk1,protein_coding	0.17092629	0.32092212
ENSMUSG00000112309.2,Gm48353,TEC	0.17092308	0.44729478
ENSMUSG00000073433.12,Arhgdig,protein_coding	0.17088187	0.52348839
ENSMUSG00000034993.8,Vat1,protein_coding	0.17087354	0.46240547
ENSMUSG00000074284.9,Gm10658,lncRNA	0.17086819	0.61823675
ENSMUSG00000024063.14,Lbh,protein_coding	0.17086184	0.19183991
ENSMUSG00000071256.5,Zfp213,protein_coding	0.17083526	0.32294761
ENSMUSG00000104222.3,Gm7292,lncRNA	0.17083391	0.18430395
ENSMUSG00000026880.12,Stom,protein_coding	0.17080488	0.27944159
ENSMUSG00000034789.9,Rab24,protein_coding	0.17077862	0.0906666
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ENSMUSG00000046699.15,Slitrk4,protein_coding	0.17073907	0.31169346
ENSMUSG00000085133.3,B930095G15Rik,lncRNA	0.17072141	0.09998403
ENSMUSG00000024137.10,E4f1,protein_coding	0.17070928	0.23994311
ENSMUSG00000015981.13,Stk32c,protein_coding	0.1706038	0.4174236
ENSMUSG00000018765.7,Fxr2,protein_coding	0.17054844	0.14627008
ENSMUSG00000037148.9,Arhgap10,protein_coding	0.17042144	0.18620669
ENSMUSG00000037519.18,Ppfia1,protein_coding	0.17040114	0.06222938
ENSMUSG00000053293.10,Pom121,protein_coding	0.17039501	0.08805444
ENSMUSG00000061536.14,Sec22c,protein_coding	0.17034709	0.11495245
ENSMUSG00000038296.15,Galnt18,protein_coding	0.17034479	0.29546099
ENSMUSG00000034732.5,Pabpc5,protein_coding	0.17034244	0.45288839
ENSMUSG00000040452.10,Cdh12,protein_coding	0.17031834	0.33838738
ENSMUSG00000008348.10,Ubc,protein_coding	0.17030791	0.10395098
ENSMUSG00000057230.15,Aak1,protein_coding	0.17024044	0.07906819
ENSMUSG00000024242.16,Map4k3,protein_coding	0.17022497	0.08224021

ENSMUSG00000013698.13,Pea15a,protein_coding	0.17020643	0.06259274
ENSMUSG00000111063.4,Zfp660,lncRNA	0.17019314	0.25261373
ENSMUSG00000039308.7,Ndst2,protein_coding	0.17015439	0.08997395
ENSMUSG00000026641.14,Usf1,protein_coding	0.17011095	0.11918027
ENSMUSG00000026455.15,Klhl12,protein_coding	0.1700905	0.01622221
ENSMUSG00000089704.10,Galnt2,protein_coding	0.17007263	0.15993605
ENSMUSG00000059981.13,Taok2,protein_coding	0.1699936	0.05201404
ENSMUSG00000042686.6,Jph1,protein_coding	0.16998508	0.27529887
ENSMUSG00000052852.9,Reep1,protein_coding	0.16997282	0.14061685
ENSMUSG00000026389.17,Steap3,protein_coding	0.16997265	0.39562182
ENSMUSG00000036390.9,Gadd45a,protein_coding	0.16992538	0.24945019
ENSMUSG00000002393.15,Nr2f6,protein_coding	0.16987246	0.24664121
ENSMUSG00000006369.15,Fbln1,protein_coding	0.16985717	0.57596113
ENSMUSG00000023094.15,Msrb2,protein_coding	0.16985219	0.32717049
ENSMUSG00000033781.8,Asb13,protein_coding	0.16983054	0.08451622
ENSMUSG00000034157.13,Cipc,protein_coding	0.16981993	0.04550364
ENSMUSG00000108616.4,Gm35040,lncRNA	0.16971588	0.30581225
ENSMUSG00000063049.5,Ing2,protein_coding	0.16969734	0.09596894
ENSMUSG00000044894.15,Uqcrq,protein_coding	0.16966351	0.27146238
ENSMUSG00000135495.1,ENSMUSG00000135495,lncRNA	0.16959999	0.54109329
ENSMUSG00000031227.9,Magee1,protein_coding	0.16953677	0.185077
ENSMUSG00000033059.8,Pygb,protein_coding	0.16953154	0.14426146
ENSMUSG00000056055.15,Sag,protein_coding	0.16950413	0.41678227
ENSMUSG00000052928.10,Ctif,protein_coding	0.1694845	0.25142254
ENSMUSG00000084898.4,Gm12371,lncRNA	0.16946827	0.51061379
ENSMUSG00000044231.4,Nhlrc1,protein_coding	0.1694332	0.24503942
ENSMUSG00000034171.14,Faah,protein_coding	0.16942489	0.18811144
ENSMUSG00000015149.15,Sirt2,protein_coding	0.16930781	0.1010066
ENSMUSG00000046312.5,Myorg,protein_coding	0.16930216	0.09224323
ENSMUSG00000086916.4,Gm15903,lncRNA	0.16927195	0.38036421
ENSMUSG00000040174.15,Alkbh3,protein_coding	0.16926445	0.30089555
ENSMUSG00000038235.5,F11r,protein_coding	0.16926145	0.31021078
ENSMUSG00000007872.4,Id3,protein_coding	0.169236	0.33454194
ENSMUSG00000014633.16,Cmc2,protein_coding	0.16918005	0.28292395
ENSMUSG00000037103.9,Dcaf15,protein_coding	0.169162	0.325847
ENSMUSG00000045733.8,Sprn,protein_coding	0.16915442	0.34886207
ENSMUSG00000036959.16,Bcorl1,protein_coding	0.16912362	0.06614798
ENSMUSG00000050471.18,Fam118b,protein_coding	0.16903074	0.18757047
ENSMUSG00000037185.10,Krt80,protein_coding	0.1690124	0.48934726
ENSMUSG00000097233.2,Gm17552,lncRNA	0.16895175	0.6001296
ENSMUSG00000085925.4,Rtl1,protein_coding	0.16892551	0.59397938
ENSMUSG00000030814.18,Bcl7c,protein_coding	0.168894	0.17882331
ENSMUSG00000104396.2,Gm37959,TEC	0.16888346	0.4422156
ENSMUSG00000025265.15,Fgd1,protein_coding	0.16882148	0.1817576
ENSMUSG00000033157.18,Abhd10,protein_coding	0.16871691	0.06509192
ENSMUSG00000019966.19,Kitl,protein_coding	0.1686992	0.28839933
ENSMUSG00000128101.1,ENSMUSG00000128101,lncRNA	0.16869416	0.6097174
ENSMUSG00000021901.11,Bap1,protein_coding	0.16853969	0.109766
ENSMUSG00000028700.15,Pomgnt1,protein_coding	0.16837707	0.15428983
ENSMUSG00000010376.17,Nedd8,protein_coding	0.16832203	0.18142876
ENSMUSG00000040795.13,Iqcc,protein_coding	0.16827476	0.19070597
ENSMUSG00000038615.18,Nfe2l1,protein_coding	0.1682673	0.08802546

ENSMUSG00000024533.18,Spire1,protein_coding	0.16822823	0.04566279
ENSMUSG00000033717.7,Adra2a,protein_coding	0.16819965	0.35869065
ENSMUSG00000002486.16,Tchp,protein_coding	0.16818487	0.15764336
ENSMUSG00000075588.7,Hoxb2,protein_coding	0.16816502	0.89244358
ENSMUSG00000032536.13,Trak1,protein_coding	0.16813009	0.08705879
ENSMUSG00000023236.8,Scg5,protein_coding	0.16810806	0.14309894
ENSMUSG00000031816.16,Mthfsd,protein_coding	0.16807735	0.09433402
ENSMUSG00000050288.7,Fzd2,protein_coding	0.168018	0.39039692
ENSMUSG00000028278.15,Rragd,protein_coding	0.16799743	0.192141
ENSMUSG00000040729.9,Cep126,protein_coding	0.16797373	0.21733636
ENSMUSG00000000881.13,Dlg3,protein_coding	0.16795089	0.22449419
ENSMUSG00000028669.16,Pithd1,protein_coding	0.16793394	0.20690303
ENSMUSG00000040957.16,Cables1,protein_coding	0.16791519	0.230888
ENSMUSG00000127073.1,ENSMUSG00000127073,lncRNA	0.16790618	0.59213873
ENSMUSG00000104874.2,Gm43387,lncRNA	0.16777315	0.4699882
ENSMUSG00000028617.11,Lrrc42,protein_coding	0.16776146	0.16799759
ENSMUSG00000069114.9,Zbtb10,protein_coding	0.16772965	0.25075163
ENSMUSG00000028991.16,Mtor,protein_coding	0.16768887	0.04101308
ENSMUSG00000123737.1,ENSMUSG00000123737,lncRNA	0.16767558	0.65193543
ENSMUSG00000103560.2,Gm38070,TEC	0.16763435	0.68734955
ENSMUSG00000002012.14,Pnck,protein_coding	0.16756401	0.36165767
ENSMUSG00000003269.20,Cyth2,protein_coding	0.16752952	0.16494553
ENSMUSG00000062691.12,Cebpzos,protein_coding	0.16748306	0.30228614
ENSMUSG00000021496.13,Pcbd2,protein_coding	0.16748177	0.50240488
ENSMUSG00000022951.19,Rcan1,protein_coding	0.167413	0.21034621
ENSMUSG00000017802.15,Retreg3,protein_coding	0.16740479	0.01080361
ENSMUSG00000055652.15,Klhl25,protein_coding	0.167382	0.26759244
ENSMUSG00000135019.1,ENSMUSG00000135019,lncRNA	0.1673719	0.4849761
ENSMUSG00000142127.1,ENSMUSG00000142127,lncRNA	0.16734629	0.65637739
ENSMUSG00000027394.14,Ttl,protein_coding	0.1673056	0.1683439
ENSMUSG00000002343.12,Armc6,protein_coding	0.16726354	0.19848217
ENSMUSG00000024319.19,Vps52,protein_coding	0.16717495	0.06990925
ENSMUSG00000032594.12,Ip6k1,protein_coding	0.16716838	0.05942709
ENSMUSG00000061186.16,Sfmbt2,protein_coding	0.16716372	0.34270636
ENSMUSG00000024411.12,Aqp4,protein_coding	0.1671428	0.3716762
ENSMUSG00000019852.8,Arfgef3,protein_coding	0.167109	0.09735059
ENSMUSG00000050552.9,Lamtor4,protein_coding	0.16709216	0.263827
ENSMUSG00000055471.8,Alk,protein_coding	0.16699676	0.48847102
ENSMUSG00000042558.17,Adprs,protein_coding	0.16699325	0.25304562
ENSMUSG00000034566.11,Atp5pd,protein_coding	0.16698444	0.15713748
ENSMUSG00000049288.5,Lix1l,protein_coding	0.16695291	0.12161386
ENSMUSG00000021536.8,Adcy2,protein_coding	0.16693927	0.36738833
ENSMUSG00000032601.14,Prkar2a,protein_coding	0.1669256	0.04187763
ENSMUSG00000039183.7,Nubp2,protein_coding	0.166905	0.26349442
ENSMUSG00000020022.18,Ndufa12,protein_coding	0.16690144	0.26699694
ENSMUSG00000005505.13,Kbtbd4,protein_coding	0.16675989	0.06954895
ENSMUSG00000121867.2,ENSMUSG00000121867,lncRNA	0.16674519	0.64016816
ENSMUSG00000000811.15,Txnrd3,protein_coding	0.16672344	0.41697506
ENSMUSG00000025268.16,Maged2,protein_coding	0.16666025	0.2962051
ENSMUSG00000021982.15,Cdadc1,protein_coding	0.16656888	0.03760358
ENSMUSG00000062376.8,Borcs7,protein_coding	0.16650371	0.15678203
ENSMUSG00000102212.2,C230085N15Rik,TEC	0.16649331	0.46672057

ENSMUSG00000026841.8,Fibcd1,protein_coding	0.16646591	0.52168411
ENSMUSG00000029455.15,Aldh2,protein_coding	0.16639534	0.19018544
ENSMUSG00000054364.6,Rhob,protein_coding	0.16635282	0.0476835
ENSMUSG00000070939.10,Tgfbrap1,protein_coding	0.16615292	0.03572061
ENSMUSG00000004285.13,Atp6v1f,protein_coding	0.16613705	0.20173433
ENSMUSG00000030000.11,Add2,protein_coding	0.16612275	0.2297836
ENSMUSG00000024140.11,Epas1,protein_coding	0.16607501	0.02857188
ENSMUSG00000021557.16,Agtpbp1,protein_coding	0.1660531	0.09501356
ENSMUSG00000054667.8,Irs4,protein_coding	0.1660517	0.79416566
ENSMUSG00000071657.13,Bscl2,protein_coding	0.16601922	0.08532477
ENSMUSG00000027198.17,Ext2,protein_coding	0.16588735	0.07493734
ENSMUSG00000026188.12,Tmem169,protein_coding	0.16587874	0.19023173
ENSMUSG00000108391.2,Gm9768,TEC	0.16581179	0.69977046
ENSMUSG00000049571.19,Cfap46,protein_coding	0.16580473	0.39815176
ENSMUSG00000078923.11,Ube2v1,protein_coding	0.16579334	0.18282504
ENSMUSG00000000743.10,Chmp1a,protein_coding	0.16576367	0.24821513
ENSMUSG00000020634.13,Ubxn2a,protein_coding	0.16575589	0.08379708
ENSMUSG00000110344.2,Smim36,protein_coding	0.16571127	0.26888491
ENSMUSG00000036411.11,Matcap2,protein_coding	0.16568562	0.24343896
ENSMUSG00000050605.18,Zfp61,protein_coding	0.16567486	0.10580018
ENSMUSG00000057522.16,Spop,protein_coding	0.16562711	0.03375763
ENSMUSG00000054428.13,Atp5if1,protein_coding	0.16558985	0.19909351
ENSMUSG00000038412.9,Higd1a,protein_coding	0.16552999	0.1641359
ENSMUSG00000067713.8,Prkag1,protein_coding	0.16552259	0.08122988
ENSMUSG00000021448.9,Shc3,protein_coding	0.16548808	0.3831053
ENSMUSG00000036752.5,Tubb4b,protein_coding	0.1654057	0.20559619
ENSMUSG00000102459.2,Gm38352,TEC	0.16540446	0.4206647
ENSMUSG00000036192.16,Rorb,protein_coding	0.16537936	0.29724072
ENSMUSG00000040415.16,Dtx3,protein_coding	0.16535609	0.18097907
ENSMUSG00000032812.19,Arap1,protein_coding	0.16535278	0.21375513
ENSMUSG00000121114.2,Gm41291,lncRNA	0.16533013	0.41790991
ENSMUSG00000052981.7,Ube2ql1,protein_coding	0.16530479	0.22532143
ENSMUSG00000022305.14,Lrp12,protein_coding	0.16510207	0.10650253
ENSMUSG00000030303.16,Far2,protein_coding	0.16510164	0.11949014
ENSMUSG00000043903.5,Zfp469,protein_coding	0.16509235	0.38856787
ENSMUSG00000038894.8,Irs2,protein_coding	0.16506127	0.02884963
ENSMUSG00000051980.14,Casr,protein_coding	0.16505118	0.80422471
ENSMUSG00000042198.13,Chchd7,protein_coding	0.16500113	0.11973306
ENSMUSG00000049630.7,C1ql3,protein_coding	0.16495311	0.40278307
ENSMUSG00000072694.9,Gm57857,protein_coding	0.16494702	0.12514787
ENSMUSG00000024589.19,Nedd4l,protein_coding	0.16494416	0.18211169
ENSMUSG00000043340.5,6530409C15Rik,lncRNA	0.16491684	0.57110846
ENSMUSG00000013539.15,Tango2,protein_coding	0.1648691	0.09460054
ENSMUSG00000018736.15,Ndel1,protein_coding	0.1648657	0.07900503
ENSMUSG00000064432.3,Gm25587,snRNA	0.16482489	0.80437904
ENSMUSG00000102652.2,Gm37078,TEC	0.16479442	0.66986102
ENSMUSG00000119994.2,A430046D13Rik,lncRNA	0.16468245	0.22522607
ENSMUSG00000037003.17,Tns2,protein_coding	0.16457172	0.28282016
ENSMUSG00000103677.2,Pcdhga4,protein_coding	0.16454145	0.24995798
ENSMUSG00000074923.11,Pak6,protein_coding	0.16447671	0.36893868
ENSMUSG00000050272.11,Dscam,protein_coding	0.16440261	0.25259482
ENSMUSG00000068267.6,Cenpb,protein_coding	0.1642636	0.02551481

ENSMUSG00000063320.12,Uqcc6,protein_coding	0.16425798	0.40404641
ENSMUSG00000006342.16,Susd2,protein_coding	0.16423385	0.62143347
ENSMUSG00000075595.10,Zfp652,protein_coding	0.16422876	0.01896821
ENSMUSG00000071632.11,2510002D24Rik,protein_coding	0.16422378	0.22043726
ENSMUSG00000020257.14,Wdr82,protein_coding	0.16412519	0.01754988
ENSMUSG00000021287.13,Xrcc3,protein_coding	0.16412168	0.35524174
ENSMUSG00000004032.11,Gstm5,protein_coding	0.1641182	0.27456626
ENSMUSG00000116321.2,Gm49522,TEC	0.16411453	0.52456167
ENSMUSG00000025475.18,Adgra1,protein_coding	0.16407893	0.289252
ENSMUSG00000107230.4,Gm19265,lncRNA	0.16407106	0.39219379
ENSMUSG00000043668.14,Tox3,protein_coding	0.16400857	0.43945842
ENSMUSG00000057469.9,E2f6,protein_coding	0.16399216	0.01489049
ENSMUSG00000101823.2,Gm29438,TEC	0.16398486	0.45160973
ENSMUSG00000044716.13,Dok7,protein_coding	0.16398362	0.37821207
ENSMUSG00000036352.17,Ubac1,protein_coding	0.16397078	0.076386
ENSMUSG00000045671.19,Spred2,protein_coding	0.16392843	0.14207795
ENSMUSG00000061080.13,Lsamp,protein_coding	0.16390358	0.06272057
ENSMUSG00000090691.5,Gm3667,protein_coding	0.16383448	0.43910398
ENSMUSG00000032342.14,Mto1,protein_coding	0.163812	0.04446369
ENSMUSG00000040596.17,Pogk,protein_coding	0.16375557	0.03103692
ENSMUSG00000020986.14,Sec23a,protein_coding	0.16371874	0.08303288
ENSMUSG00000018547.9,Pip4k2b,protein_coding	0.1637124	0.12569153
ENSMUSG00000105983.2,Gm42770,TEC	0.1636774	0.49766234
ENSMUSG00000033323.15,Ctdp1,protein_coding	0.16367265	0.09999554
ENSMUSG00000023723.18,Mrps23,protein_coding	0.16367129	0.17515724
ENSMUSG00000085665.3,Gm12059,lncRNA	0.16364445	0.69317712
ENSMUSG00000036885.15,Arhgef26,protein_coding	0.16359328	0.10793788
ENSMUSG00000035164.9,Zc3h12c,protein_coding	0.16341196	0.16788406
ENSMUSG00000022044.15,Stmn4,protein_coding	0.16340652	0.20420038
ENSMUSG00000035953.15,Pip4p1,protein_coding	0.16335035	0.04861308
ENSMUSG00000072640.12,Lyrm9,protein_coding	0.16333946	0.08359393
ENSMUSG00000111942.2,Gm5182,processed_pseudogene	0.16329663	0.48853062
ENSMUSG00000059409.10,Ppp2r5d,protein_coding	0.16324832	0.12972826
ENSMUSG00000041836.11,Ptpre,protein_coding	0.16323599	0.15458855
ENSMUSG00000031667.17,Aktip,protein_coding	0.16320984	0.10444376
ENSMUSG00000104411.3,Gm30340,lncRNA	0.16320043	0.4727583
ENSMUSG00000021482.11,Prxl2c,protein_coding	0.16308163	0.12003859
ENSMUSG00000037617.13,Spag1,protein_coding	0.16302102	0.10175714
ENSMUSG00000087578.3,Ccdc142os,lncRNA	0.16300688	0.60930275
ENSMUSG00000053838.15,Nudcd3,protein_coding	0.16291994	0.07166021
ENSMUSG00000048814.12,Lonrf2,protein_coding	0.16288546	0.12983278
ENSMUSG00000055022.15,Cntn1,protein_coding	0.16288187	0.10247509
ENSMUSG00000118219.5,Gm29695,protein_coding	0.16277459	0.40717343
ENSMUSG00000021113.6,Snapc1,protein_coding	0.16276104	0.04784731
ENSMUSG00000033594.12,Spata2l,protein_coding	0.16275385	0.45926827
ENSMUSG00000073102.8,Drc1,protein_coding	0.16273475	0.50724754
ENSMUSG00000131727.1,ENSMUSG00000131727,lncRNA	0.16269748	0.51125594
ENSMUSG00000049612.11,Omg,protein_coding	0.16269393	0.20455564
ENSMUSG00000009647.14,Mcu,protein_coding	0.16267806	0.06287251
ENSMUSG00000044864.17,Ankrd50,protein_coding	0.16265213	0.03878377
ENSMUSG00000003974.7,Grm3,protein_coding	0.16260515	0.35840924
ENSMUSG00000020101.15,Vsir,protein_coding	0.1625872	0.28132305

ENSMUSG00000020741.18,Cluh,protein_coding	0.16244918	0.09152364
ENSMUSG00000060181.7,Slc35e3,protein_coding	0.16242098	0.08051519
ENSMUSG00000038020.6,Rapgefl1,protein_coding	0.16238455	0.30436335
ENSMUSG00000051111.17,Sv2c,protein_coding	0.16238304	0.38410286
ENSMUSG00000031785.17,Adgrg1,protein_coding	0.1623744	0.28878701
ENSMUSG00000033396.14,Spg11,protein_coding	0.16236522	0.03350456
ENSMUSG00000021930.15,Spryd7,protein_coding	0.16230572	0.19770954
ENSMUSG00000029146.15,Snx17,protein_coding	0.16223532	0.15366884
ENSMUSG00000082575.2,Eef2-ps2,processed_pseudogene	0.1622265	0.72737376
ENSMUSG00000000374.9,Trappc10,protein_coding	0.16220056	0.0148369
ENSMUSG00000108368.2,Gm45053,TEC	0.16219901	0.3306985
ENSMUSG00000036057.12,Ptpn23,protein_coding	0.16211178	0.06321115
ENSMUSG00000035770.9,Dync1li2,protein_coding	0.16209743	0.04059237
ENSMUSG00000046109.8,AB041806,lncRNA	0.16206652	0.49171491
ENSMUSG00000056724.16,Nbeal2,protein_coding	0.162061	0.35505712
ENSMUSG00000024960.10,Plcb3,protein_coding	0.16203933	0.33238825
ENSMUSG00000087377.4,AV099323,lncRNA	0.16203077	0.76080556
ENSMUSG00000027864.10,Ptgfrn,protein_coding	0.1619918	0.21042546
ENSMUSG00000043969.5,Emx2,protein_coding	0.16199048	0.51598542
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ENSMUSG00000031399.16,Fam3a,protein_coding	0.16192792	0.25868452
ENSMUSG00000024712.10,Rfk,protein_coding	0.16189596	0.08176893
ENSMUSG00000144117.1,ENSMUSG00000144117,lncRNA	0.16189572	0.62768469
ENSMUSG00000041842.16,Fhdc1,protein_coding	0.16189098	0.42853889
ENSMUSG00000020176.18,Grb10,protein_coding	0.16182638	0.35822399
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ENSMUSG00000021156.18,Zmynd11,protein_coding	0.16167828	0.12672483
ENSMUSG00000002908.19,Kcnn1,protein_coding	0.16167765	0.34703181
ENSMUSG00000052962.4,Mrpl35,protein_coding	0.16164815	0.12727193
ENSMUSG00000144135.1,ENSMUSG00000144135,lncRNA	0.16164295	0.49304281
ENSMUSG00000028914.14,Casp9,protein_coding	0.16162272	0.15127155
ENSMUSG00000022272.18,Myo10,protein_coding	0.16158246	0.05402394
ENSMUSG00000030357.11,Fkbp4,protein_coding	0.16156578	0.20728225
ENSMUSG00000055945.9,Prr18,protein_coding	0.16154254	0.23031379
ENSMUSG00000035890.10,Rnf126,protein_coding	0.16152558	0.20852398
ENSMUSG00000042439.14,Zfp532,protein_coding	0.16140944	0.13446087
ENSMUSG00000040918.13,Slc19a2,protein_coding	0.16137792	0.09196195
ENSMUSG00000028102.16,Pex11b,protein_coding	0.16134836	0.09108537
ENSMUSG00000038365.9,Fbxo25,protein_coding	0.16124493	0.23922187
ENSMUSG00000052712.18,BC004004,protein_coding	0.16124128	0.07119364
ENSMUSG00000033530.9,Ttc7b,protein_coding	0.16122321	0.11505792
ENSMUSG00000024858.15,Grk2,protein_coding	0.161188	0.09067469
ENSMUSG00000035798.15,Zdhhc17,protein_coding	0.16116589	0.02456253
ENSMUSG00000009630.11,Ppp2cb,protein_coding	0.16112197	0.18554705
ENSMUSG00000033712.7,Ccar2,protein_coding	0.16110289	0.12478866
ENSMUSG00000024132.7,Eci1,protein_coding	0.16108349	0.3140734
ENSMUSG00000035576.14,L3mbtl1,protein_coding	0.16102428	0.43809427
ENSMUSG00000051391.10,Ywhag,protein_coding	0.16099808	0.15092811
ENSMUSG00000020235.17,Fzr1,protein_coding	0.16090741	0.20177592
ENSMUSG00000042032.14,Mat2b,protein_coding	0.16088113	0.16569591
ENSMUSG00000109674.2,Gm45470,lncRNA	0.16083419	0.47650183
ENSMUSG00000086801.3,Gm15943,lncRNA	0.1608328	0.63964457

ENSMUSG00000029394.12,Cdk2ap1,protein_coding	0.16076183	0.08786274
ENSMUSG00000138188.1,ENSMUSG00000138188,lncRNA	0.16072802	0.38985546
ENSMUSG00000137091.1,ENSMUSG00000137091,lncRNA	0.16061494	0.31093505
ENSMUSG00000032127.10,Vps11,protein_coding	0.16060926	0.05235727
ENSMUSG00000030956.16,Fam53b,protein_coding	0.16058131	0.14166182
ENSMUSG00000038677.15,Scube3,protein_coding	0.16057972	0.52543241
ENSMUSG00000045464.8,2810002D19Rik,lncRNA	0.16053101	0.43936614
ENSMUSG00000034850.16,Tmem127,protein_coding	0.16049804	0.07705828
ENSMUSG00000028833.14,Ncdn,protein_coding	0.1604804	0.36804413
ENSMUSG00000044216.8,Kcnj4,protein_coding	0.1604561	0.52433437
ENSMUSG00000041420.19,Meis3,protein_coding	0.16045317	0.27203991
ENSMUSG00000032185.17,Carm1,protein_coding	0.16042987	0.08809493
ENSMUSG00000051346.10,Spryd4,protein_coding	0.16020871	0.36904048
ENSMUSG00000054477.18,Kcnn2,protein_coding	0.16017016	0.0888441
ENSMUSG00000032470.18,Mras,protein_coding	0.16014943	0.21606085
ENSMUSG00000034854.9,Mfsd12,protein_coding	0.16014744	0.21531704
ENSMUSG00000022122.16,Ednrb,protein_coding	0.16007592	0.20169201
ENSMUSG00000030602.14,Pak4,protein_coding	0.15998757	0.2352172
ENSMUSG00000103255.2,Pcdhac1,protein_coding	0.15990261	0.2995156
ENSMUSG00000055932.16,Fto,protein_coding	0.15989397	0.02186154
ENSMUSG00000110047.2,A230085B16Rik,TEC	0.15983984	0.42970282
ENSMUSG00000016253.13,Nelfcd,protein_coding	0.15982459	0.09371861
ENSMUSG00000023032.13,Slc4a8,protein_coding	0.15978427	0.12429226
ENSMUSG00000043822.19,Adamtsl5,protein_coding	0.15977057	0.46435768
ENSMUSG00000037735.9,2810032G03Rik,lncRNA	0.15970843	0.45111314
ENSMUSG00000066900.12,Suds3,protein_coding	0.15968736	0.05825069
ENSMUSG00000035765.11,Dym,protein_coding	0.15956572	0.03611362
ENSMUSG00000022783.12,Spag6l,protein_coding	0.15952733	0.32772333
ENSMUSG00000015127.15,Unkl,protein_coding	0.15951695	0.05903849
ENSMUSG00000119320.1,Snora70,snoRNA	0.15946296	0.34323135
ENSMUSG00000046658.17,Zfp316,protein_coding	0.15945677	0.17141773
ENSMUSG00000117289.3,1700093J21Rik,lncRNA	0.15938475	0.42370066
ENSMUSG00000039835.17,Nhsl1,protein_coding	0.15935326	0.13263313
ENSMUSG00000025068.9,Gsto1,protein_coding	0.15927333	0.34912763
ENSMUSG00000028461.13,Ccdc107,protein_coding	0.1592727	0.13851056
ENSMUSG00000025384.16,Faap100,protein_coding	0.15924337	0.22088745
ENSMUSG00000061436.16,Hipk2,protein_coding	0.15924142	0.00985711
ENSMUSG00000047434.15,Xxylt1,protein_coding	0.15919177	0.20315595
ENSMUSG00000044952.6,Kctd21,protein_coding	0.15911676	0.21713834
ENSMUSG00000128506.1,ENSMUSG00000128506,lncRNA	0.15908687	0.53650495
ENSMUSG00000021721.6,Htr1a,protein_coding	0.15880422	0.47048315
ENSMUSG00000053460.9,Ggcx,protein_coding	0.15877947	0.20092119
ENSMUSG00000042251.13,Pm20d1,protein_coding	0.15873477	0.49095165
ENSMUSG00000047613.11,A430005L14Rik,protein_coding	0.1587212	0.34155038
ENSMUSG00000030757.14,Zkscan2,protein_coding	0.15863204	0.16458088
ENSMUSG00000105378.2,Gm42515,TEC	0.15856642	0.47978115
ENSMUSG00000110195.3,Pde2a,protein_coding	0.15851695	0.40149628
ENSMUSG00000063902.14,Gm7964,processed_pseudogene	0.15849194	0.39047655
ENSMUSG00000029223.13,Uchl1,protein_coding	0.15843051	0.40725195
ENSMUSG00000030518.18,Entrep2,protein_coding	0.1584117	0.34522667
ENSMUSG00000053153.15,Spag16,protein_coding	0.15840595	0.78139758
ENSMUSG00000022555.13,Dgat1,protein_coding	0.15840563	0.15985144

ENSMUSG00000104655.2,Gm43317,TEC	0.15836161	0.4506584
ENSMUSG00000102336.4,Gm37233,lncRNA	0.15835021	0.4550989
ENSMUSG00000044005.14,Gls2,protein_coding	0.15830423	0.24650325
ENSMUSG00000094437.3,Gm9830,processed_pseudogene	0.15824709	0.53076435
ENSMUSG00000102902.2,Gm38263,TEC	0.15815983	0.40412106
ENSMUSG00000112054.3,Gm33680,lncRNA	0.15813339	0.43147618
ENSMUSG00000028876.8,Epha10,protein_coding	0.15803872	0.31779806
ENSMUSG00000021730.9,Hcn1,protein_coding	0.1580176	0.25065563
ENSMUSG00000049649.9,Gpr3,protein_coding	0.15796499	0.46562337
ENSMUSG00000015647.10,Lama5,protein_coding	0.15795526	0.3000152
ENSMUSG00000027475.10,Kif3b,protein_coding	0.15795052	0.10971569
ENSMUSG00000051184.8,Zfp524,protein_coding	0.15793664	0.5277209
ENSMUSG00000104913.2,Gm6560,processed_pseudogene	0.15793374	0.42357184
ENSMUSG00000036052.15,Dnajb5,protein_coding	0.15792264	0.34265035
ENSMUSG00000033272.14,Slc35a4,protein_coding	0.15791727	0.12081332
ENSMUSG00000059013.13,Sh2d3c,protein_coding	0.15791202	0.32106068
ENSMUSG00000000631.21,Myo18a,protein_coding	0.15787834	0.13605441
ENSMUSG00000022174.9,Dad1,protein_coding	0.15787221	0.12322729
ENSMUSG00000121083.2,4930423K06Rik,lncRNA	0.15783168	0.54876026
ENSMUSG00000005045.17,Chd5,protein_coding	0.15779784	0.3935773
ENSMUSG00000004207.16,Psap,protein_coding	0.15772639	0.21349429
ENSMUSG00000045252.12,Zfp574,protein_coding	0.15771192	0.12245245
ENSMUSG00000084885.9,3010001F23Rik,lncRNA	0.15769341	0.37236491
ENSMUSG00000020034.8,Tcp11l2,protein_coding	0.15766704	0.28976025
ENSMUSG00000028840.11,Zfp593,protein_coding	0.15766051	0.47128282
ENSMUSG00000102425.2,Gm26616,TEC	0.15765376	0.70551824
ENSMUSG00000103144.2,Pcdhga1,protein_coding	0.15763833	0.28324446
ENSMUSG00000001964.15,Emd,protein_coding	0.15759618	0.28073542
ENSMUSG00000107620.2,2700052C19Rik,TEC	0.15758814	0.54169625
ENSMUSG00000071176.11,Arhgef10,protein_coding	0.15758333	0.16180998
ENSMUSG00000032680.12,6820408C15Rik,protein_coding	0.15750415	0.60969054
ENSMUSG00000020876.15,Snx11,protein_coding	0.15747405	0.07466366
ENSMUSG00000020451.18,Limk2,protein_coding	0.15735291	0.1022391
ENSMUSG00000132590.1,ENSMUSG00000132590,lncRNA	0.15726494	0.56494872
ENSMUSG00000038267.16,Slc22a23,protein_coding	0.15716707	0.14251778
ENSMUSG00000021978.10,Extl3,protein_coding	0.15716342	0.1180641
ENSMUSG00000002222.15,Rmnd5a,protein_coding	0.15707069	0.1251863
ENSMUSG00000098875.3,Gm27211,lncRNA	0.15700649	0.69894777
ENSMUSG00000019820.12,Utrn,protein_coding	0.15698017	0.02304898
ENSMUSG00000027502.12,Rtf2,protein_coding	0.1569506	0.10314941
ENSMUSG00000022075.8,Rhobtb2,protein_coding	0.15693763	0.15690329
ENSMUSG00000052738.15,Suclg1,protein_coding	0.15690111	0.1547499
ENSMUSG00000007564.16,Ppp2r1a,protein_coding	0.15679426	0.17164003
ENSMUSG00000068117.11,Mei1,protein_coding	0.15678453	0.60177391
ENSMUSG00000103793.2,Pcdhga6,protein_coding	0.15675473	0.10391811
ENSMUSG00000038665.16,Dgki,protein_coding	0.15666857	0.22185741
ENSMUSG00000035105.6,Egln3,protein_coding	0.1566587	0.32840271
ENSMUSG00000055271.6,9330161L09Rik,TEC	0.15662506	0.51099985
ENSMUSG00000037892.14,Pcdh18,protein_coding	0.15659752	0.49160455
ENSMUSG00000085457.6,1110046J04Rik,lncRNA	0.15654295	0.395549
ENSMUSG00000066441.15,Rdh11,protein_coding	0.15653119	0.10308917
ENSMUSG00000032181.8,Scg3,protein_coding	0.15644421	0.13175177

ENSMUSG00000045316.6,Fahd1,protein_coding	0.15636898	0.35557791
ENSMUSG00000026490.19,Cdc42bpa,protein_coding	0.15631312	0.09489917
ENSMUSG00000102428.2,Pcdhga12,protein_coding	0.15612889	0.16637874
ENSMUSG00000104807.3,Gm42865,lncRNA	0.15607868	0.69584482
ENSMUSG00000056124.6,B4galt6,protein_coding	0.15604637	0.10248287
ENSMUSG00000137458.1,ENSMUSG00000137458,lncRNA	0.15600308	0.5622041
ENSMUSG00000045318.7,Adra2c,protein_coding	0.15599993	0.4765353
ENSMUSG00000037750.17,Fam222b,protein_coding	0.15584617	0.07349854
ENSMUSG00000138730.1,ENSMUSG00000138730,lncRNA	0.15580481	0.66221115
ENSMUSG00000042203.9,Tbc1d22b,protein_coding	0.1557728	0.08074574
ENSMUSG00000019923.15,Zwint,protein_coding	0.15575022	0.19416003
ENSMUSG00000049999.5,Ppp1r3d,protein_coding	0.15573987	0.32708111
ENSMUSG00000045896.15,Paip2b,protein_coding	0.15562654	0.09146541
ENSMUSG00000034300.18,Fam53c,protein_coding	0.15549617	0.04879306
ENSMUSG00000091002.3,Tcerg1l,protein_coding	0.15549186	0.34305718
ENSMUSG00000005161.16,Prdx2,protein_coding	0.15535907	0.27320293
ENSMUSG00000058761.6,Rnf169,protein_coding	0.15529562	0.05885706
ENSMUSG00000044709.7,Gemin7,protein_coding	0.15529289	0.31791039
ENSMUSG00000028546.18,Elavl4,protein_coding	0.15529238	0.19557605
ENSMUSG00000029673.20,Auts2,protein_coding	0.15527823	0.25396057
ENSMUSG00000009378.5,Slc16a12,protein_coding	0.15525833	0.58450313
ENSMUSG00000097580.3,Gm5432,lncRNA	0.15512391	0.66913376
ENSMUSG00000037738.12,Nek5,protein_coding	0.15507792	0.80196218
ENSMUSG00000092417.4,Gpank1,protein_coding	0.15507301	0.42593985
ENSMUSG00000073197.10,5730507C01Rik,protein_coding	0.15504488	0.72418813
ENSMUSG00000027177.15,Hipk3,protein_coding	0.15496561	0.09534933
ENSMUSG00000031758.11,Cdyl2,protein_coding	0.15488632	0.25202898
ENSMUSG00000057440.9,Mpp7,protein_coding	0.15488337	0.3566848
ENSMUSG00000034462.10,Pkd2,protein_coding	0.15487891	0.18494152
ENSMUSG00000043987.19,Cep164,protein_coding	0.15486935	0.13547014
ENSMUSG00000045969.9,Ing1,protein_coding	0.15486195	0.1331945
ENSMUSG00000034022.9,Cpsf1,protein_coding	0.15483645	0.14462264
ENSMUSG00000025151.17,Maged1,protein_coding	0.15482394	0.26019877
ENSMUSG00000038168.6,P3h2,protein_coding	0.15480233	0.37412834
ENSMUSG00000093661.2,Eif4e3,protein_coding	0.15475242	0.09980148
ENSMUSG00000110519.3,Or7g23,protein_coding	0.15474273	0.66423976
ENSMUSG00000030678.8,Maz,protein_coding	0.15470778	0.08828454
ENSMUSG00000026926.15,Pmpca,protein_coding	0.15458336	0.02204135
ENSMUSG00000050188.9,Lsm10,protein_coding	0.15454427	0.56002926
ENSMUSG00000020623.12,Map2k6,protein_coding	0.15447502	0.24658409
ENSMUSG00000041720.15,Pi4ka,protein_coding	0.15447152	0.11199102
ENSMUSG00000089736.3,Tgfbr3l,protein_coding	0.15443448	0.52088915
ENSMUSG00000040653.7,Ppp1r14c,protein_coding	0.15443103	0.19930008
ENSMUSG00000022766.15,Serpind1,protein_coding	0.15442502	0.56045477
ENSMUSG00000051007.16,Gatd1,protein_coding	0.15437276	0.23019995
ENSMUSG00000053291.16,Rab4b,protein_coding	0.15435801	0.2417359
ENSMUSG00000104156.4,Gm38102,lncRNA	0.15435484	0.41497572
ENSMUSG00000050846.10,Zfp623,protein_coding	0.15434695	0.1039978
ENSMUSG00000030982.20,Vps35l,protein_coding	0.15433698	0.04497152
ENSMUSG00000109057.2,Gm44741,TEC	0.15432111	0.49570891
ENSMUSG00000027222.15,Pex16,protein_coding	0.15422445	0.31298448
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ENSMUSG00000083012.10,Fam220a,protein_coding	0.15397802	0.06067728
ENSMUSG00000020935.9,Dcakd,protein_coding	0.15397123	0.21388244
ENSMUSG00000027082.16,Tfpi,protein_coding	0.15392308	0.49975261
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ENSMUSG00000021756.13,Il6st,protein_coding	0.15387073	0.05301784
ENSMUSG00000109336.3,Samd4b,protein_coding	0.15386376	0.11626804
ENSMUSG00000002658.10,Gtf2f1,protein_coding	0.15383967	0.18679467
ENSMUSG00000024875.6,Yif1a,protein_coding	0.15380335	0.35038685
ENSMUSG00000020576.11,Nbas,protein_coding	0.15379802	0.01316248
ENSMUSG00000006464.10,Bbs1,protein_coding	0.15371623	0.14816456
ENSMUSG00000027309.19,Dnaaf9,protein_coding	0.15369292	0.09950421
ENSMUSG00000000339.15,Rtca,protein_coding	0.15367545	0.15539468
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ENSMUSG00000005950.15,P2rx5,protein_coding	0.15358006	0.69568698
ENSMUSG00000018585.10,Atox1,protein_coding	0.15357388	0.47009846
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ENSMUSG00000033006.11,Sox10,protein_coding	0.15347984	0.27413193
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ENSMUSG00000021224.16,Numb,protein_coding	0.15343412	0.08438732
ENSMUSG00000036427.6,Gpi1,protein_coding	0.1534161	0.19268211
ENSMUSG00000042766.18,Trim46,protein_coding	0.15340893	0.40477355
ENSMUSG00000015804.15,Med28,protein_coding	0.15340338	0.04642298
ENSMUSG00000042682.11,Selenok,protein_coding	0.15336332	0.1984378
ENSMUSG00000041977.19,Arhgef11,protein_coding	0.15334835	0.08862682
ENSMUSG00000005069.13,Pex5,protein_coding	0.15332597	0.1928932
ENSMUSG00000020620.15,Abca8b,protein_coding	0.153323	0.19366613
ENSMUSG00000000876.12,Pxmp4,protein_coding	0.1533222	0.20024946
ENSMUSG00000043257.16,Pigv,protein_coding	0.15330928	0.36694346
ENSMUSG00000002660.9,Clpp,protein_coding	0.15322504	0.290317
ENSMUSG00000000531.6,Tamalin,protein_coding	0.15321515	0.50633522
ENSMUSG00000029524.17,Sirt4,protein_coding	0.15320209	0.30653933
ENSMUSG00000020381.11,Mrnip,protein_coding	0.15318598	0.35056027
ENSMUSG00000018770.10,Atp5mc3,protein_coding	0.15310247	0.18034094
ENSMUSG00000025352.7,Gdf11,protein_coding	0.1530579	0.20149427
ENSMUSG00000032649.15,Colgalt2,protein_coding	0.15299847	0.47015133
ENSMUSG00000005882.19,Uqcc1,protein_coding	0.15297352	0.14061449
ENSMUSG00000038984.5,Tspyl5,protein_coding	0.15297275	0.25066935
ENSMUSG00000099843.4,Gm7160,lncRNA	0.15296263	0.45874332
ENSMUSG00000135903.1,ENSMUSG00000135903,lncRNA	0.15294005	0.73986471
ENSMUSG00000078161.9,Erich3,protein_coding	0.15293531	0.31293621
ENSMUSG00000000594.8,Gm2a,protein_coding	0.15290864	0.1188006
ENSMUSG00000097513.2,Gm26696,TEC	0.15290676	0.72112985
ENSMUSG00000113055.2,Gm48700,TEC	0.15288819	0.51898601
ENSMUSG00000092187.3,Gm20457,lncRNA	0.15286361	0.26717735
ENSMUSG00000027230.10,Creb3l1,protein_coding	0.15285649	0.45139696
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ENSMUSG00000028982.10,Slc25a33,protein_coding	0.15283235	0.34194093
ENSMUSG00000097820.5,E530011L22Rik,lncRNA	0.15275716	0.32528302
ENSMUSG00000078580.4,Zfp764l1,protein_coding	0.15270285	0.20947081

ENSMUSG00000043067.16,Dpy19l1,protein_coding	0.15267962	0.15633599
ENSMUSG00000023951.19,Vegfa,protein_coding	0.15265706	0.14670756
ENSMUSG00000037325.11,Bbs7,protein_coding	0.15259962	0.16002589
ENSMUSG00000106214.2,Gm43426,TEC	0.15253903	0.44103444
ENSMUSG00000032398.8,Snapc5,protein_coding	0.15250552	0.26019977
ENSMUSG00000142414.1,ENSMUSG00000142414,lncRNA	0.1525026	0.64158262
ENSMUSG00000024661.8,Fth1,protein_coding	0.15248905	0.1284028
ENSMUSG00000041775.8,Mapk1ip1,protein_coding	0.15248549	0.17445906
ENSMUSG00000047514.7,Tspyl1,protein_coding	0.15247826	0.07844085
ENSMUSG00000020723.4,Cacng4,protein_coding	0.1524709	0.35904567
ENSMUSG00000113003.2,Gm47138,TEC	0.15244383	0.40351461
ENSMUSG00000035934.17,Pknox2,protein_coding	0.15241662	0.3103129
ENSMUSG00000028843.9,Sh3bgrl3,protein_coding	0.15240835	0.31916837
ENSMUSG00000085862.4,Gm13483,lncRNA	0.15237957	0.55968938
ENSMUSG00000001036.18,Epn2,protein_coding	0.15233974	0.06962102
ENSMUSG00000003865.17,Gys1,protein_coding	0.15230772	0.17112788
ENSMUSG00000013523.14,Bcas1,protein_coding	0.15229353	0.24628411
ENSMUSG00000100691.4,2010320M18Rik,lncRNA	0.15228779	0.35476328
ENSMUSG00000056367.15,Actr3b,protein_coding	0.15226143	0.31731533
ENSMUSG00000023055.11,Calcoco1,protein_coding	0.15226007	0.06634708
ENSMUSG00000075467.5,Dnlz,protein_coding	0.15225559	0.11959704
ENSMUSG00000030284.14,Creld1,protein_coding	0.15214493	0.3212898
ENSMUSG00000032415.15,Ube3d,protein_coding	0.15191943	0.41707203
ENSMUSG00000130134.1,ENSMUSG00000130134,lncRNA	0.15183744	0.59141811
ENSMUSG00000036273.16,Lrrk2,protein_coding	0.15181324	0.31488589
ENSMUSG00000109216.2,Gm44907,TEC	0.15174462	0.56659146
ENSMUSG00000051236.14,Msrb3,protein_coding	0.15172191	0.2594012
ENSMUSG00000019880.11,Rspo3,protein_coding	0.15171126	0.50425339
ENSMUSG00000102868.2,Gm37633,TEC	0.15166591	0.46201188
ENSMUSG00000000056.8,Narf,protein_coding	0.15157991	0.05277689
ENSMUSG00000033423.17,Eri3,protein_coding	0.1515669	0.19316443
ENSMUSG00000105653.2,Gm43831,TEC	0.15152445	0.42973332
ENSMUSG00000078908.11,Mon1b,protein_coding	0.15148233	0.04943496
ENSMUSG00000022817.16,Itgb5,protein_coding	0.15147335	0.18646025
ENSMUSG00000038429.11,Usp5,protein_coding	0.15146947	0.21561925
ENSMUSG00000124146.1,ENSMUSG00000124146,lncRNA	0.15145999	0.66364097
ENSMUSG00000019890.5,Nts,protein_coding	0.15133296	0.6898953
ENSMUSG00000030451.17,Herc2,protein_coding	0.15133173	0.0829227
ENSMUSG00000106896.2,G630022F23Rik,TEC	0.15128658	0.66585299
ENSMUSG00000130597.1,ENSMUSG00000130597,lncRNA	0.15126697	0.54427818
ENSMUSG00000030720.17,Cln3,protein_coding	0.1512536	0.28773063
ENSMUSG00000134509.1,ENSMUSG00000134509,lncRNA	0.15122975	0.68089768
ENSMUSG00000067424.14,Zfp563,protein_coding	0.15122875	0.08845493
ENSMUSG00000105119.2,Gm43765,TEC	0.15114613	0.55845636
ENSMUSG00000006818.6,Sod2,protein_coding	0.1510827	0.08103889
ENSMUSG00000020621.7,Rdh14,protein_coding	0.15106897	0.16743262
ENSMUSG00000024902.6,Mrpl11,protein_coding	0.15100784	0.17422983
ENSMUSG00000030533.17,Unc45a,protein_coding	0.15099394	0.13337696
ENSMUSG00000021792.16,Prxl2a,protein_coding	0.15097408	0.09992019
ENSMUSG00000031633.5,Slc25a4,protein_coding	0.15097214	0.20041795
ENSMUSG00000059439.16,Bcas3,protein_coding	0.15092842	0.07679406
ENSMUSG00000115529.3,9630013A20Rik,lncRNA	0.15092628	0.77358876

ENSMUSG00000018740.15,Slc25a35,protein_coding	0.15089932	0.33845489
ENSMUSG00000021219.17,Rgs6,protein_coding	0.1508622	0.36621217
ENSMUSG00000097191.5,Mm2pr,lncRNA	0.15083742	0.4205859
ENSMUSG00000004562.17,Arhgef40,protein_coding	0.15081069	0.30953935
ENSMUSG00000049044.17,Rapgef4,protein_coding	0.15077053	0.37013194
ENSMUSG00000120413.2,Gm32652,lncRNA	0.1507255	0.65038228
ENSMUSG00000028049.16,Scamp3,protein_coding	0.15071209	0.21466106
ENSMUSG00000057286.7,St6galnac2,protein_coding	0.15061066	0.50015205
ENSMUSG00000020525.18,Ppm1d,protein_coding	0.15060911	0.35578614
ENSMUSG00000041653.6,Pnpla3,protein_coding	0.15059093	0.64659994
ENSMUSG00000062906.13,Hdac10,protein_coding	0.15040483	0.28622428
ENSMUSG00000083563.2,Gm13340,unprocessed_pseudogene	0.1503316	0.54084248
ENSMUSG00000027628.11,Aar2,protein_coding	0.15031426	0.13407469
ENSMUSG00000029474.8,Rnf34,protein_coding	0.15027982	0.03080583
ENSMUSG00000137821.1,ENSMUSG00000137821,lncRNA	0.15027351	0.46262502
ENSMUSG00000031516.12,Dctn6,protein_coding	0.15024188	0.20883236
ENSMUSG00000038244.15,Mical2,protein_coding	0.15023252	0.32073334
ENSMUSG00000097961.2,Gm27000,lncRNA	0.1501173	0.77912742
ENSMUSG00000060671.13,Atp8b2,protein_coding	0.15010583	0.09012572
ENSMUSG00000016356.19,Col20a1,protein_coding	0.15005909	0.45226963
ENSMUSG00000048482.15,Bdnf,protein_coding	0.15004546	0.45446022
ENSMUSG00000027879.10,Sec22b,protein_coding	0.14998238	0.08845853
ENSMUSG00000029998.15,Pcyox1,protein_coding	0.14997987	0.13044791
ENSMUSG00000003099.12,Ppp5c,protein_coding	0.14997575	0.169762
ENSMUSG00000018567.15,Gabarap,protein_coding	0.14989274	0.17297572
ENSMUSG00000027244.15,Atg13,protein_coding	0.14988391	0.1065025
ENSMUSG00000042286.14,Stab1,protein_coding	0.14987933	0.48728843
ENSMUSG00000071531.4,Gprin2,protein_coding	0.14980645	0.56205672
ENSMUSG00000102559.2,Gm37570,TEC	0.14976661	0.35194594
ENSMUSG00000036948.18,Trappc14,protein_coding	0.14976412	0.31290219
ENSMUSG00000038126.18,Mphosph9,protein_coding	0.14975638	0.14526829
ENSMUSG00000062866.17,Phactr2,protein_coding	0.14967821	0.13179345
ENSMUSG00000020639.15,Pfn4,protein_coding	0.14951062	0.40369559
ENSMUSG00000034343.15,Ube2f,protein_coding	0.14949333	0.03995034
ENSMUSG00000033910.14,Gucy1a1,protein_coding	0.14948589	0.38056529
ENSMUSG00000022131.4,Gpr180,protein_coding	0.14947699	0.26360648
ENSMUSG00000041298.17,Katnal1,protein_coding	0.14944374	0.09646518
ENSMUSG00000031467.11,Agpat5,protein_coding	0.14940635	0.08686487
ENSMUSG00000026000.17,Lancl1,protein_coding	0.14939081	0.16912577
ENSMUSG00000024948.16,Map4k2,protein_coding	0.14938684	0.16753371
ENSMUSG00000128947.1,ENSMUSG00000128947,lncRNA	0.14937745	0.74708695
ENSMUSG00000030276.20,Ttll3,protein_coding	0.14936664	0.31953725
ENSMUSG00000071369.12,Map3k5,protein_coding	0.14935512	0.09444589
ENSMUSG00000029345.14,Tfip11,protein_coding	0.14934114	0.22404909
ENSMUSG00000079434.9,Neu2,protein_coding	0.14930413	0.66813799
ENSMUSG00002076083.1,Klhl17,protein_coding	0.14923364	0.24767946
ENSMUSG00000026576.13,Atp1b1,protein_coding	0.14919564	0.16307209
ENSMUSG00000054226.14,Tprkb,protein_coding	0.14919477	0.06880334
ENSMUSG00000015363.14,Trabd,protein_coding	0.14919232	0.26342867
ENSMUSG00000021481.12,Zfp346,protein_coding	0.14917899	0.08210348
ENSMUSG00000028854.10,Slc9a1,protein_coding	0.14907835	0.18564243
ENSMUSG00000049643.16,2310022A10Rik,protein_coding	0.14903974	0.22331094

ENSMUSG00000105202.2,C230031I18Rik,TEC	0.14900776	0.41439515
ENSMUSG00000029175.18,Slc35f6,protein_coding	0.14899211	0.09424365
ENSMUSG00000137951.1,ENSMUSG00000137951,lncRNA	0.14897086	0.62764477
ENSMUSG00000024044.20,Epb41l3,protein_coding	0.14879088	0.13330989
ENSMUSG00000064719.3,Gm25930,snRNA	0.14876043	0.6120981
ENSMUSG00000047238.5,Mageh1,protein_coding	0.14868402	0.15385534
ENSMUSG00000065687.3,Gm23734,snoRNA	0.14867895	0.53835371
ENSMUSG00000028910.13,Mecr,protein_coding	0.14866202	0.27177921
ENSMUSG00000112879.2,Gm47726,processed_pseudogene	0.14862639	0.56771263
ENSMUSG00000134939.1,ENSMUSG00000134939,lncRNA	0.14859006	0.5581832
ENSMUSG00000078350.12,Smim1,protein_coding	0.14856664	0.43960912
ENSMUSG00000029765.13,Plxna4,protein_coding	0.14854715	0.22276638
ENSMUSG00000032396.18,Dis3l,protein_coding	0.148544	0.06851043
ENSMUSG00000020646.18,Mboat2,protein_coding	0.1484565	0.1144221
ENSMUSG00000067071.9,Hes6,protein_coding	0.14842843	0.54095298
ENSMUSG00000027200.18,Sema6d,protein_coding	0.14839979	0.07931758
ENSMUSG00000065990.13,Aurkaip1,protein_coding	0.14837269	0.29432927
ENSMUSG00000024588.11,Fech,protein_coding	0.14833762	0.01603929
ENSMUSG00000062352.16,Itgb1bp1,protein_coding	0.14833654	0.128701
ENSMUSG00000028057.15,Rit1,protein_coding	0.14827204	0.0802248
ENSMUSG00000041789.9,2700046A07Rik,lncRNA	0.14826003	0.7341728
ENSMUSG00000079480.4,Pin4,protein_coding	0.14821522	0.33980273
ENSMUSG00000030045.11,Mrpl19,protein_coding	0.14819133	0.05602098
ENSMUSG00000143604.1,ENSMUSG00000143604,lncRNA	0.14800257	0.79906616
ENSMUSG00000006920.15,Ezh1,protein_coding	0.1479819	0.03050458
ENSMUSG00000036882.8,Arhgap33,protein_coding	0.14794842	0.50570703
ENSMUSG00000021458.19,Aopep,protein_coding	0.14787231	0.13092043
ENSMUSG00000031224.7,Magee2,protein_coding	0.14780555	0.51909499
ENSMUSG00000098557.2,Kctd12,protein_coding	0.14779964	0.3585258
ENSMUSG00000069729.15,Arid1b,protein_coding	0.14778241	0.05897284
ENSMUSG00000124722.1,ENSMUSG00000124722,lncRNA	0.1477735	0.6253284
ENSMUSG00000018012.12,Rac3,protein_coding	0.14773483	0.5901734
ENSMUSG00000010663.6,Fads1,protein_coding	0.14772765	0.12191043
ENSMUSG00000003518.14,Dusp3,protein_coding	0.14771833	0.23103341
ENSMUSG00000028859.15,Csf3r,protein_coding	0.14770771	0.605606
ENSMUSG00000132950.1,ENSMUSG00000132950,lncRNA	0.1476977	0.73372931
ENSMUSG00000029028.15,Lrrc47,protein_coding	0.14759628	0.13413097
ENSMUSG00000013275.10,Slc41a1,protein_coding	0.14741613	0.12570514
ENSMUSG00000038990.15,Cables2,protein_coding	0.147354	0.13819128
ENSMUSG00000089762.4,Ier5l,protein_coding	0.14731542	0.5638322
ENSMUSG00000059554.13,Ccdc28a,protein_coding	0.1473026	0.18551843
ENSMUSG00000081771.2,Gm15381,processed_pseudogene	0.14729151	0.74350274
ENSMUSG00000028024.15,Enpep,protein_coding	0.1472874	0.60631679
ENSMUSG00000024170.16,Telo2,protein_coding	0.14721485	0.20997208
ENSMUSG00000078607.7,1810010H24Rik,protein_coding	0.14711248	0.62163898
ENSMUSG00000029122.12,Evc,protein_coding	0.14711008	0.42089068
ENSMUSG00000035835.15,Plppr3,protein_coding	0.14710482	0.54987417
ENSMUSG00000111375.6,Btbd8,protein_coding	0.14701421	0.25024477
ENSMUSG00000045973.19,Slc25a51,protein_coding	0.1469967	0.07725868
ENSMUSG00000015850.12,Adamtsl4,protein_coding	0.1469679	0.37628415
ENSMUSG00000060681.16,Slc9a6,protein_coding	0.1469434	0.14846737
ENSMUSG00000020388.13,Pdlim4,protein_coding	0.14688139	0.43389834

ENSMUSG00000066306.14,Numa1,protein_coding	0.14686319	0.14559735
ENSMUSG00000030805.15,Stx4a,protein_coding	0.14679404	0.09664157
ENSMUSG00000019838.12,Slc16a10,protein_coding	0.14678	0.36708441
ENSMUSG00000028127.11,Abcd3,protein_coding	0.14677812	0.13024433
ENSMUSG00000032462.15,Pik3cb,protein_coding	0.14674231	0.08882913
ENSMUSG00000081485.6,Gm12338,processed_pseudogene	0.14669397	0.27526209
ENSMUSG00000031513.9,Leprotl1,protein_coding	0.14669016	0.09399788
ENSMUSG00000051557.16,Pusl1,protein_coding	0.14663446	0.39745675
ENSMUSG00000075528.14,Aarsd1,protein_coding	0.14661737	0.26635507
ENSMUSG00000027378.17,Nphp1,protein_coding	0.14659041	0.32634816
ENSMUSG00000072676.13,Tmem254,protein_coding	0.14654999	0.39958294
ENSMUSG00000025178.10,Pi4k2a,protein_coding	0.14653238	0.07594213
ENSMUSG00000038496.17,Slc19a3,protein_coding	0.14653189	0.57844209
ENSMUSG00000008028.16,1700008O03Rik,protein_coding	0.14648927	0.59920948
ENSMUSG00000037610.17,Kcnmb2,protein_coding	0.14648002	0.6215948
ENSMUSG00000028832.12,Stmn1,protein_coding	0.14647923	0.23279444
ENSMUSG00000029650.11,Slc46a3,protein_coding	0.14647736	0.37450565
ENSMUSG00000055707.14,Klhl26,protein_coding	0.14647025	0.1851676
ENSMUSG00000029106.15,Add1,protein_coding	0.14645892	0.17984877
ENSMUSG00000038351.15,Sgsm2,protein_coding	0.14645112	0.35215783
ENSMUSG00000023830.15,Igf2r,protein_coding	0.14644016	0.09223196
ENSMUSG00000027893.15,Ahcyl1,protein_coding	0.14642097	0.073565
ENSMUSG00000004931.12,Apba3,protein_coding	0.14640568	0.43480096
ENSMUSG00000104184.2,Gm37818,TEC	0.14635987	0.59768312
ENSMUSG00000052727.7,Map1b,protein_coding	0.14633206	0.18526008
ENSMUSG00000018707.14,Dync1h1,protein_coding	0.14628133	0.14920036
ENSMUSG00000131206.1,ENSMUSG00000131206,lncRNA	0.14626451	0.70363154
ENSMUSG00000002496.11,Tsc2,protein_coding	0.14626333	0.10876751
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ENSMUSG00000023809.12,Rps6ka2,protein_coding	0.14604658	0.27743763
ENSMUSG00000027739.10,Rab33b,protein_coding	0.14602952	0.10587274
ENSMUSG00000123296.1,ENSMUSG00000123296,lncRNA	0.14600256	0.70096178
ENSMUSG00000136702.1,ENSMUSG00000136702,lncRNA	0.14599761	0.38675542
ENSMUSG00000039782.16,Cpeb2,protein_coding	0.1459197	0.04599334
ENSMUSG00000020300.15,Cpeb4,protein_coding	0.14591872	0.21060628
ENSMUSG00000035790.16,Cep19,protein_coding	0.14591771	0.22654388
ENSMUSG00000019080.9,Mfsd3,protein_coding	0.14590228	0.67032775
ENSMUSG00000104708.2,Gm42503,TEC	0.14588228	0.67001085
ENSMUSG00000038025.9,Phf2,protein_coding	0.14577218	0.12658882
ENSMUSG00000106404.2,Gm42919,TEC	0.14575638	0.51869793
ENSMUSG00000107194.3,Gm43173,TEC	0.1457351	0.7009764
ENSMUSG00000033430.11,Terf2ip,protein_coding	0.14573119	0.08358648
ENSMUSG00000047205.13,Dusp18,protein_coding	0.14572726	0.38655803
ENSMUSG00000049526.9,Tmem202,protein_coding	0.14570817	0.6583036
ENSMUSG00000070644.14,Etnk2,protein_coding	0.14568474	0.5499743
ENSMUSG00000062963.11,Ufc1,protein_coding	0.14561913	0.33901054
ENSMUSG00000001062.19,Vps9d1,protein_coding	0.14547836	0.14410369
ENSMUSG00000093672.4,Gm20655,lncRNA	0.14545135	0.56608166
ENSMUSG00000026620.12,Mark1,protein_coding	0.14542503	0.2519901
ENSMUSG00000049184.7,Purg,protein_coding	0.14532009	0.12915999
ENSMUSG00000055302.6,Mrfap1,protein_coding	0.14531814	0.05982341
ENSMUSG00000127456.2,ENSMUSG00000127456,lncRNA	0.14528159	0.28625388

ENSMUSG00000000489.8,Pdgfb,protein_coding	0.14518029	0.35893174
ENSMUSG00000048787.14,Dcun1d3,protein_coding	0.14511967	0.07683233
ENSMUSG00000031778.14,Cx3cl1,protein_coding	0.14511148	0.45144026
ENSMUSG00000056770.16,Setd3,protein_coding	0.14506701	0.03296477
ENSMUSG00000005534.11,Insr,protein_coding	0.14504453	0.09336199
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ENSMUSG00000025035.10,Arl3,protein_coding	0.1447993	0.16542673
ENSMUSG00000030218.3,Mgp,protein_coding	0.14472091	0.59266724
ENSMUSG00000039431.17,Mtmr7,protein_coding	0.14471629	0.19469508
ENSMUSG00000021567.16,Nkd2,protein_coding	0.14471472	0.6374606
ENSMUSG00000126246.1,ENSMUSG00000126246,lncRNA	0.14469222	0.35287213
ENSMUSG00000035000.9,Dpp4,protein_coding	0.1446649	0.62180557
ENSMUSG00000130860.1,ENSMUSG00000130860,lncRNA	0.14466009	0.54560616
ENSMUSG00000029221.16,Slc30a9,protein_coding	0.14465482	0.0560441
ENSMUSG00000021236.17,Entpd5,protein_coding	0.14454767	0.04504828
ENSMUSG00000055027.18,Smyd1,protein_coding	0.14453401	0.57337939
ENSMUSG00000037712.18,Fermt2,protein_coding	0.14438384	0.13287144
ENSMUSG00000028703.15,Lrrc41,protein_coding	0.14435007	0.20523466
ENSMUSG00000013593.13,Ndufs2,protein_coding	0.14422822	0.16398825
ENSMUSG00000017664.17,Slc35c2,protein_coding	0.14422262	0.2771589
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ENSMUSG00000039115.14,Itga9,protein_coding	0.14407587	0.35315804
ENSMUSG00000021254.10,Gpatch2l,protein_coding	0.14406181	0.0385783
ENSMUSG00000025579.15,Gaa,protein_coding	0.14405353	0.43587522
ENSMUSG00000061313.11,Ddhd2,protein_coding	0.14403248	0.0391141
ENSMUSG00000016946.7,Kctd5,protein_coding	0.14402064	0.19048713
ENSMUSG00000052632.17,Asap2,protein_coding	0.14398263	0.11814838
ENSMUSG00000004567.17,Mcoln1,protein_coding	0.14395362	0.12564568
ENSMUSG00000020607.8,Lratd1,protein_coding	0.14393551	0.37811123
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ENSMUSG00000000738.19,Spg7,protein_coding	0.14385398	0.15412085
ENSMUSG00000034156.17,Tspoap1,protein_coding	0.14379775	0.30202978
ENSMUSG00000022793.18,B4galt4,protein_coding	0.14373556	0.20816043
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ENSMUSG00000026109.15,Tmeff2,protein_coding	0.14370851	0.16008443
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ENSMUSG00000025393.13,Atp5f1b,protein_coding	0.14368597	0.15299274
ENSMUSG00000021411.17,Pxdc1,protein_coding	0.14366471	0.5185213
ENSMUSG00000025575.15,Cant1,protein_coding	0.14364071	0.14525291
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ENSMUSG00000026280.18,Atg4b,protein_coding	0.14362106	0.07771745
ENSMUSG00000049305.7,Ccdc71,protein_coding	0.1435595	0.23058481
ENSMUSG00000039607.18,Rbms3,protein_coding	0.14348934	0.40744455
ENSMUSG00000030374.16,Strn4,protein_coding	0.14343344	0.14771236
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ENSMUSG00000018830.11,Myh11,protein_coding	0.14341926	0.49471888
ENSMUSG00000006930.16,Hap1,protein_coding	0.14341242	0.49832725
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ENSMUSG00000018796.14,Acsl1,protein_coding	0.14336329	0.05204467
ENSMUSG00000021994.16,Wnt5a,protein_coding	0.14335914	0.32146671
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ENSMUSG00000031393.18,Mecp2,protein_coding	0.14319853	0.03507208
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ENSMUSG00000020436.18,Gabrg2,protein_coding	0.14318658	0.32394409
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ENSMUSG00000029632.8,Ndufa4,protein_coding	0.14308978	0.32911631
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ENSMUSG00000048920.9,Fkrp,protein_coding	0.14294518	0.15534288
ENSMUSG00000035045.18,Zc3h12b,protein_coding	0.14292689	0.24913318
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ENSMUSG00000110185.3,Igip,protein_coding	0.14291654	0.12914073
ENSMUSG00000087519.11,AV039307,lncRNA	0.1428844	0.55229188
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ENSMUSG00000025495.16,Ptdss2,protein_coding	0.1427908	0.09098011
ENSMUSG00000020173.18,Cobl,protein_coding	0.14276348	0.45442017
ENSMUSG00000030134.12,Rasgef1a,protein_coding	0.14271843	0.37840184
ENSMUSG00000038780.15,Smurf1,protein_coding	0.14270019	0.23800902
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ENSMUSG00000063873.11,Slc24a3,protein_coding	0.14266809	0.22125245
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ENSMUSG00000026933.19,Camsap1,protein_coding	0.14261917	0.10729364
ENSMUSG00000015134.16,Aldh1a3,protein_coding	0.14258831	0.57439795
ENSMUSG00000070564.16,Ntn5,protein_coding	0.14256781	0.71815737
ENSMUSG00000017801.16,Mlx,protein_coding	0.14256621	0.18173814
ENSMUSG00000045319.14,Proser2,protein_coding	0.14252904	0.48737286
ENSMUSG00000059355.14,Wdr83os,protein_coding	0.14231723	0.39824425
ENSMUSG00000043614.14,Vps37d,protein_coding	0.14224812	0.50721074
ENSMUSG00000053110.14,Yap1,protein_coding	0.14221013	0.13635318
ENSMUSG00000035062.14,Zc4h2,protein_coding	0.14204996	0.28866634
ENSMUSG00000029190.20,D5Ertd579e,protein_coding	0.14197007	0.04858937
ENSMUSG00000030616.17,Sytl2,protein_coding	0.14194731	0.24631024
ENSMUSG00000052656.14,Rnf103,protein_coding	0.14193946	0.19810818
ENSMUSG00000038116.17,Phf20,protein_coding	0.14191681	0.06183291
ENSMUSG00000022671.14,Mzt2,protein_coding	0.1419083	0.4867222
ENSMUSG00000028863.14,Meaf6,protein_coding	0.1418277	0.16195517
ENSMUSG00000000711.4,Rab5b,protein_coding	0.14181042	0.09613714
ENSMUSG00000014771.14,Pdcd2,protein_coding	0.14178105	0.49666757
ENSMUSG00000057594.13,Arl16,protein_coding	0.14176452	0.35441624
ENSMUSG00000038256.16,Bcl9,protein_coding	0.14170051	0.16450805
ENSMUSG00000038170.16,Pde4dip,protein_coding	0.14167872	0.14184001
ENSMUSG00000087022.7,9130024F11Rik,lncRNA	0.14166185	0.60268584
ENSMUSG00000030714.15,Sgf29,protein_coding	0.14160931	0.39308062
ENSMUSG00000041216.16,Clvs1,protein_coding	0.14160445	0.14781326
ENSMUSG00000080316.12,Spaca6,protein_coding	0.14157862	0.428628
ENSMUSG00000035910.16,Dcdc2a,protein_coding	0.14149173	0.31190981
ENSMUSG00000036907.12,C1ql2,protein_coding	0.14149105	0.73322613
ENSMUSG00000049191.13,Rtl5,protein_coding	0.14144504	0.46884494
ENSMUSG00000049904.8,Tmem17,protein_coding	0.14144131	0.57932123

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ENSMUSG00000050621.8,Rps27rt,protein_coding	0.14138642	0.64199893
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ENSMUSG00000040896.17,Kcnd3,protein_coding	0.14137397	0.20889143
ENSMUSG00000026715.13,Serpinc1,protein_coding	0.14135651	0.74883032
ENSMUSG00000037815.8,Ctnna1,protein_coding	0.14134002	0.14640254
ENSMUSG00000031157.11,Pqbp1,protein_coding	0.14131671	0.28515117
ENSMUSG00000015224.11,Cyp2j9,protein_coding	0.14131609	0.25192855
ENSMUSG00000033400.15,Agl,protein_coding	0.14129583	0.03054361
ENSMUSG00000019715.15,Gle1,protein_coding	0.14128893	0.08593916
ENSMUSG00000032263.15,Bckdhb,protein_coding	0.14126822	0.28280134
ENSMUSG00000026578.7,Ccdc181,protein_coding	0.14126725	0.24070045
ENSMUSG00000107823.2,Gm44436,TEC	0.14122298	0.61966981
ENSMUSG00000029581.15,Fscn1,protein_coding	0.14120124	0.3490009
ENSMUSG00000034949.19,Zfr2,protein_coding	0.14108608	0.35258164
ENSMUSG00000030286.7,Emc3,protein_coding	0.14107211	0.06386982
ENSMUSG00000020612.17,Prkar1a,protein_coding	0.1409659	0.09677156
ENSMUSG00000042506.16,Usp22,protein_coding	0.1409569	0.16319518
ENSMUSG00000042303.20,Sgsm3,protein_coding	0.14095565	0.32532418
ENSMUSG00000035764.6,Fbxo45,protein_coding	0.14095054	0.05948837
ENSMUSG00000025780.8,Itih5,protein_coding	0.140914	0.31295691
ENSMUSG00000019578.12,Ubxn6,protein_coding	0.14088432	0.13211607
ENSMUSG00000022110.14,Sucla2,protein_coding	0.14085521	0.23553255
ENSMUSG00000034402.4,Kcnh5,protein_coding	0.14080078	0.4471601
ENSMUSG00000110357.4,A030001D20Rik,lncRNA	0.14077498	0.37529286
ENSMUSG00000020238.15,Ncln,protein_coding	0.14076177	0.25882962
ENSMUSG00000111110.3,Gm36855,lncRNA	0.14069254	0.45936218
ENSMUSG00000062116.11,Zfp954,protein_coding	0.14064666	0.35367541
ENSMUSG00000047502.15,Mroh7,protein_coding	0.14063681	0.52678827
ENSMUSG00000130429.1,Gm31690,lncRNA	0.14058978	0.64851308
ENSMUSG00000004902.8,Slc25a18,protein_coding	0.14055387	0.42101374
ENSMUSG00000026277.15,Stk25,protein_coding	0.14053656	0.14510736
ENSMUSG00000116858.3,Gm49797,lncRNA	0.14052928	0.16581146
ENSMUSG00000074918.5,Inafm2,protein_coding	0.14051997	0.08860176
ENSMUSG00000000276.12,Dgke,protein_coding	0.14051412	0.12933678
ENSMUSG00000048351.15,Coa7,protein_coding	0.14051086	0.12440373
ENSMUSG00000039901.11,Armh3,protein_coding	0.14043988	0.07236891
ENSMUSG00000052364.5,B630019K06Rik,protein_coding	0.14040787	0.38770993
ENSMUSG00000005514.15,Por,protein_coding	0.14039277	0.39271653
ENSMUSG00000047344.10,Lancl3,protein_coding	0.14034867	0.3018751
ENSMUSG00000027284.17,Cdan1,protein_coding	0.1403182	0.12419248
ENSMUSG00000028524.22,Sgip1,protein_coding	0.14027477	0.15478093
ENSMUSG00000134527.1,ENSMUSG00000134527,lncRNA	0.14012987	0.69095651
ENSMUSG00000029198.4,Grpel1,protein_coding	0.14012365	0.23108262
ENSMUSG00000038260.11,Trpm4,protein_coding	0.14012227	0.39826218
ENSMUSG00000117548.2,Gm41662,TEC	0.14012204	0.63607025
ENSMUSG00000047228.10,A2ml1,protein_coding	0.14011782	0.49704399
ENSMUSG00000025237.17,Parp6,protein_coding	0.14011478	0.18493958
ENSMUSG00000031198.5,Fundc2,protein_coding	0.14006861	0.17602868
ENSMUSG00000017781.19,Pitpna,protein_coding	0.14006275	0.07565105
ENSMUSG00000055692.22,Tmem191,protein_coding	0.1400521	0.50222868

ENSMUSG00000038530.12,Rgs4,protein_coding	0.14004612	0.56651807
ENSMUSG00000064030.16,Pym1,protein_coding	0.14003755	0.35009696
ENSMUSG00000058897.19,Col25a1,protein_coding	0.14003582	0.38501875
ENSMUSG00000075569.11,Rsph10b,protein_coding	0.14002215	0.51475815
ENSMUSG00000026270.12,Capn10,protein_coding	0.13996232	0.32206879
ENSMUSG00000104547.2,Gm43022,TEC	0.13992108	0.77329437
ENSMUSG00000107595.2,Gm44441,TEC	0.13988778	0.55189969
ENSMUSG00000037104.10,Socs5,protein_coding	0.13988374	0.19538456
ENSMUSG00000121202.2,Gm57000,lncRNA	0.13986685	0.43502378
ENSMUSG00000038257.11,Glra3,protein_coding	0.13984864	0.57563129
ENSMUSG00000053465.7,Hs6st3,protein_coding	0.13981108	0.4564792
ENSMUSG00000035152.15,Ap2b1,protein_coding	0.13979285	0.1617021
ENSMUSG00000027282.18,Mtch2,protein_coding	0.13978533	0.23058312
ENSMUSG00000035984.15,Nme5,protein_coding	0.13977428	0.5456193
ENSMUSG00000048616.5,Nog,protein_coding	0.13975473	0.47624115
ENSMUSG00000024127.16,Prepl,protein_coding	0.13971767	0.15105488
ENSMUSG00000044857.9,Lemd2,protein_coding	0.13966725	0.1648146
ENSMUSG00000053070.6,Cfap300,protein_coding	0.13966009	0.58745725
ENSMUSG00000061689.16,Dlgap4,protein_coding	0.13964878	0.31017937
ENSMUSG00000055720.11,Ubl7,protein_coding	0.13959961	0.24618735
ENSMUSG00000034875.6,Nudt19,protein_coding	0.13959541	0.31572316
ENSMUSG00000097265.4,Gm55122,lncRNA	0.13958852	0.41060483
ENSMUSG00000031012.18,Cask,protein_coding	0.13949959	0.19881148
ENSMUSG00000031028.15,Tub,protein_coding	0.13948975	0.32687455
ENSMUSG00000035547.15,Capn5,protein_coding	0.13943481	0.36663351
ENSMUSG00000016933.18,Plcg1,protein_coding	0.13939355	0.14917826
ENSMUSG00000020087.6,Tysnd1,protein_coding	0.13935151	0.21598101
ENSMUSG00000001436.16,Slc19a1,protein_coding	0.13931021	0.27381974
ENSMUSG00000028476.14,Reck,protein_coding	0.1392449	0.24925547
ENSMUSG00000049504.13,Proser1,protein_coding	0.13920655	0.17925327
ENSMUSG00000029714.12,Gigyf1,protein_coding	0.13918404	0.18137357
ENSMUSG00000015290.16,Ubl4a,protein_coding	0.13916748	0.16026142
ENSMUSG00000093485.2,Gm20708,protein_coding	0.13913115	0.71403909
ENSMUSG00000036054.16,Sugp2,protein_coding	0.13910522	0.16770824
ENSMUSG00000109829.2,Gm45605,lncRNA	0.13902047	0.40105021
ENSMUSG00000032842.14,Abcc10,protein_coding	0.13899445	0.33530457
ENSMUSG00000022433.22,Csnk1e,protein_coding	0.13899003	0.14303599
ENSMUSG00000046607.7,Hrk,protein_coding	0.13896797	0.45952982
ENSMUSG00000036856.5,Wnt4,protein_coding	0.13887677	0.50670681
ENSMUSG00000085715.4,Tsix,lncRNA	0.1388345	0.57612412
ENSMUSG00000056952.14,Tatdn2,protein_coding	0.13881083	0.13319541
ENSMUSG00000015994.11,Fnta,protein_coding	0.13879441	0.16528965
ENSMUSG00000046768.14,Rhoj,protein_coding	0.13879412	0.49212282
ENSMUSG00000030638.14,Sh3gl3,protein_coding	0.13873898	0.32099595
ENSMUSG00000028378.7,Ptgr1,protein_coding	0.13869811	0.70993418
ENSMUSG00000003810.15,Mast2,protein_coding	0.13867144	0.190295
ENSMUSG00000037890.14,Wdr19,protein_coding	0.13866425	0.09455448
ENSMUSG00000025089.16,Gfra1,protein_coding	0.13864099	0.3296856
ENSMUSG00000034187.19,Nsf,protein_coding	0.13861652	0.26368081
ENSMUSG00000020700.12,Map3k3,protein_coding	0.13859864	0.17474535
ENSMUSG00000032867.9,Fbxw8,protein_coding	0.13857014	0.15593435
ENSMUSG00000042817.16,Flt3,protein_coding	0.13856164	0.24267539

ENSMUSG00000060591.10,Ifitm2,protein_coding	0.13851601	0.59895741
ENSMUSG00000117647.3,Gm49969,lncRNA	0.13848579	0.7408355
ENSMUSG00000018841.18,Rad51d,protein_coding	0.13838068	0.17046419
ENSMUSG00000123647.1,ENSMUSG00000123647,lncRNA	0.13836809	0.72322444
ENSMUSG00000051375.16,Pcdh1,protein_coding	0.13836366	0.40829792
ENSMUSG00000087819.3,Gm25117,snoRNA	0.13830466	0.421127
ENSMUSG00000032968.5,Inha,protein_coding	0.13830423	0.47275896
ENSMUSG00000039057.12,Myo16,protein_coding	0.13825525	0.42369741
ENSMUSG00000007570.17,Fance,protein_coding	0.13822551	0.41298924
ENSMUSG00000023026.17,Dip2b,protein_coding	0.1382127	0.03670962
ENSMUSG00000024942.20,Capn1,protein_coding	0.13817553	0.3891549
ENSMUSG00000025208.10,Mrpl43,protein_coding	0.13816788	0.24080064
ENSMUSG00000046178.4,Nxph1,protein_coding	0.13807189	0.27776371
ENSMUSG00000059534.9,Uqcr10,protein_coding	0.13807085	0.3495245
ENSMUSG00000028430.15,Nol6,protein_coding	0.13802467	0.21139152
ENSMUSG00000028785.14,Hpca,protein_coding	0.13799444	0.52734399
ENSMUSG00000066197.6,Gpr139,protein_coding	0.13796962	0.49448837
ENSMUSG00000029675.13,Eln,protein_coding	0.13796704	0.50408144
ENSMUSG00000019590.17,Cyb561,protein_coding	0.13795678	0.52569219
ENSMUSG00000036817.15,Sun1,protein_coding	0.13794717	0.16378785
ENSMUSG00000099784.2,Dalir,lncRNA	0.13793287	0.63848973
ENSMUSG00000004815.13,Dgkq,protein_coding	0.13792174	0.1657235
ENSMUSG00000000632.14,Sez6,protein_coding	0.13789067	0.47035169
ENSMUSG00000031538.7,Plat,protein_coding	0.13787163	0.30697414
ENSMUSG00000027384.7,Ndufaf5,protein_coding	0.13777744	0.25928342
ENSMUSG00000046192.5,Iqub,protein_coding	0.13764608	0.55600525
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ENSMUSG00000001380.8,Hars1,protein_coding	0.1375047	0.21291403
ENSMUSG00000036606.18,Plxnb2,protein_coding	0.13748867	0.27306819
ENSMUSG00000068580.12,Zfyve19,protein_coding	0.13743835	0.2798651
ENSMUSG00000036256.14,Igfbp7,protein_coding	0.13743327	0.50422494
ENSMUSG00000030881.16,Arfip2,protein_coding	0.13730735	0.11622516
ENSMUSG00000015846.17,Rxra,protein_coding	0.1371948	0.32185458
ENSMUSG00000035637.15,Grhpr,protein_coding	0.13716097	0.4910005
ENSMUSG00000040387.17,Klhl32,protein_coding	0.13709733	0.15991885
ENSMUSG00000059811.14,Atl2,protein_coding	0.13708676	0.21688911
ENSMUSG00000046991.13,Wdr27,protein_coding	0.137029	0.56148906
ENSMUSG00000136827.1,ENSMUSG00000136827,lncRNA	0.13699125	0.65250419
ENSMUSG00000044708.6,Kcnj10,protein_coding	0.13693188	0.18627944
ENSMUSG00000108617.3,Gm31749,lncRNA	0.13688708	0.55763522
ENSMUSG00000044816.11,D630023F18Rik,protein_coding	0.13688339	0.62359681
ENSMUSG00000024426.18,Atat1,protein_coding	0.13688279	0.24197016
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ENSMUSG00000036478.9,Btg1,protein_coding	0.13675953	0.57770099
ENSMUSG00000016346.19,Kcnq2,protein_coding	0.13672926	0.29174253
ENSMUSG00000090449.2,Gm17076,processed_pseudogene	0.13668523	0.60256263
ENSMUSG00000035278.10,Plekhj1,protein_coding	0.13666858	0.36960862
ENSMUSG00000022214.16,Dcaf11,protein_coding	0.13664763	0.07534628
ENSMUSG00000024201.13,Kdm4b,protein_coding	0.13656825	0.17239368
ENSMUSG00000027848.14,Olfml3,protein_coding	0.13645242	0.42237307
ENSMUSG00000134258.1,ENSMUSG00000134258,lncRNA	0.13629859	0.58688039
ENSMUSG00000103436.2,Gm36995,lncRNA	0.13625846	0.38507706

ENSMUSG00000009535.14,Rnmt,protein_coding	0.13623922	0.08853924
ENSMUSG00000024924.15,Vldlr,protein_coding	0.13621157	0.20588252
ENSMUSG00000092541.8,Gm20537,protein_coding	0.13617005	0.909065
ENSMUSG00000059361.7,Nrsn2,protein_coding	0.13613109	0.45276682
ENSMUSG00000031409.2,Tceal6,protein_coding	0.1361035	0.33122009
ENSMUSG00000097730.5,Gm26588,lncRNA	0.13606019	0.54424865
ENSMUSG00000021852.15,Slc35f4,protein_coding	0.13603006	0.39939962
ENSMUSG00000058318.17,Phf21a,protein_coding	0.1360169	0.02944299
ENSMUSG00000007603.10,Dus3l,protein_coding	0.13597687	0.23587836
ENSMUSG00000018648.16,Dusp14,protein_coding	0.13596123	0.44812632
ENSMUSG00000025147.8,Mob2,protein_coding	0.13595088	0.13794101
ENSMUSG00000002550.17,Uck1,protein_coding	0.13573121	0.30061195
ENSMUSG00000041488.17,Stx3,protein_coding	0.13570252	0.17705896
ENSMUSG00000022761.13,Lztr1,protein_coding	0.13566601	0.257786
ENSMUSG00000051550.11,Zfp579,protein_coding	0.13561733	0.31189818
ENSMUSG00000038879.9,Nipal2,protein_coding	0.1355786	0.27138167
ENSMUSG00000128141.1,ENSMUSG00000128141,lncRNA	0.13551405	0.61060828
ENSMUSG00000057455.13,Rit2,protein_coding	0.13549861	0.29646661
ENSMUSG00000020627.11,Klhl29,protein_coding	0.13549422	0.37673227
ENSMUSG00000029148.16,Nrbp1,protein_coding	0.13548142	0.14669918
ENSMUSG00000001786.15,Fbxo7,protein_coding	0.13547442	0.11860602
ENSMUSG00000033128.10,Gga1,protein_coding	0.13538421	0.28477179
ENSMUSG00000030500.7,Slc17a6,protein_coding	0.1353701	0.69987552
ENSMUSG00000108358.2,Gm44509,TEC	0.13535951	0.30825032
ENSMUSG00000024357.11,Sil1,protein_coding	0.13530106	0.34177781
ENSMUSG00000023052.9,Npff,protein_coding	0.13526873	0.70616435
ENSMUSG00000041058.16,Wwp1,protein_coding	0.13523608	0.1281707
ENSMUSG00000035403.11,Crb2,protein_coding	0.13519059	0.54065734
ENSMUSG00000013584.6,Aldh1a2,protein_coding	0.13510505	0.65181417
ENSMUSG00000021301.10,Hecw1,protein_coding	0.13509777	0.30682999
ENSMUSG00000117840.3,Gm50399,lncRNA	0.13504723	0.70814485
ENSMUSG00000037243.18,Zfp692,protein_coding	0.13504329	0.44781432
ENSMUSG00000021240.7,Abcd4,protein_coding	0.13503511	0.30569236
ENSMUSG00000019518.12,Ap4m1,protein_coding	0.13503385	0.10292024
ENSMUSG00000101309.2,Gm29397,processed_pseudogene	0.13501197	0.84392182
ENSMUSG00000106993.2,Gm43417,TEC	0.13500544	0.38376703
ENSMUSG00000024754.14,Cemip2,protein_coding	0.13496926	0.22351604
ENSMUSG00000039680.11,Mrps6,protein_coding	0.13491912	0.3948377
ENSMUSG00000054277.9,Arfgap3,protein_coding	0.13488823	0.25407437
ENSMUSG00000020831.19,0610010K14Rik,protein_coding	0.13486324	0.33042426
ENSMUSG00000039478.16,Micu3,protein_coding	0.13484859	0.23684737
ENSMUSG00000143548.1,ENSMUSG00000143548,lncRNA	0.13478378	0.66171322
ENSMUSG00000025272.17,Tro,protein_coding	0.13472599	0.23107509
ENSMUSG00000045038.15,Prkce,protein_coding	0.13469379	0.33149072
ENSMUSG00000058620.6,Adra2b,protein_coding	0.13466269	0.67492339
ENSMUSG00000028124.17,Gclm,protein_coding	0.1346323	0.2611917
ENSMUSG00000060548.14,Tnfrsf19,protein_coding	0.13462984	0.27982133
ENSMUSG00000029064.16,Gnb1,protein_coding	0.13459975	0.16233595
ENSMUSG00000027080.7,Med19,protein_coding	0.13459676	0.14487772
ENSMUSG00000020524.17,Gria1,protein_coding	0.13459099	0.36142983
ENSMUSG00000052026.9,Slc6a7,protein_coding	0.13458316	0.50155626
ENSMUSG00000034254.18,Agpat1,protein_coding	0.13456816	0.30038136

ENSMUSG00000057716.8,Tmem178b,protein_coding	0.13453891	0.23525185
ENSMUSG00000041468.8,Gpr12,protein_coding	0.13451848	0.41469649
ENSMUSG00000034744.14,Nagk,protein_coding	0.13448478	0.35588178
ENSMUSG00000029086.16,Prom1,protein_coding	0.13442645	0.21935997
ENSMUSG00000059136.5,Or13a25,protein_coding	0.13441451	0.74816614
ENSMUSG00000021373.17,Cap2,protein_coding	0.13440633	0.42988556
ENSMUSG00000031482.10,Slc25a15,protein_coding	0.13429272	0.2697214
ENSMUSG00000030554.17,Synm,protein_coding	0.13423567	0.2929171
ENSMUSG00000068922.15,Msto1,protein_coding	0.1342103	0.31664915
ENSMUSG00000022574.8,Naprt,protein_coding	0.13416736	0.53699885
ENSMUSG00000020718.13,Polg2,protein_coding	0.13414099	0.54665755
ENSMUSG00000002329.8,Mdp1,protein_coding	0.13404896	0.25542814
ENSMUSG00000019810.16,Fuca2,protein_coding	0.13396827	0.1663926
ENSMUSG00000029335.6,Bmp3,protein_coding	0.13396813	0.60183397
ENSMUSG00000026816.15,Gtf3c5,protein_coding	0.13390832	0.13979446
ENSMUSG00000047963.8,Stbd1,protein_coding	0.13381947	0.7497115
ENSMUSG00000039601.17,Rcan2,protein_coding	0.13372468	0.28572339
ENSMUSG00000061666.7,Gdpd1,protein_coding	0.13371418	0.23505671
ENSMUSG00000002741.10,Ykt6,protein_coding	0.13370869	0.16643747
ENSMUSG00000038022.12,Mindy4,protein_coding	0.13370611	0.48650621
ENSMUSG00000025417.9,Pip4k2c,protein_coding	0.13369825	0.24431967
ENSMUSG00000019494.15,Cops6,protein_coding	0.13369189	0.19755379
ENSMUSG00000003934.6,Efnb3,protein_coding	0.13368823	0.3350989
ENSMUSG00000048572.6,Tmem252,protein_coding	0.13366055	0.85253758
ENSMUSG00000030145.15,Zfp248,protein_coding	0.13358723	0.22655536
ENSMUSG00000034848.18,Ttc21b,protein_coding	0.13357762	0.15212332
ENSMUSG00000003131.8,Pafah1b2,protein_coding	0.13356454	0.13466582
ENSMUSG00000028416.14,Bag1,protein_coding	0.13355605	0.10851607
ENSMUSG00000003585.14,Sec14l2,protein_coding	0.13349825	0.31316976
ENSMUSG00000040711.9,Sh3pxd2b,protein_coding	0.1334937	0.24952439
ENSMUSG00000062312.6,Erbb2,protein_coding	0.13346816	0.47844146
ENSMUSG00000056073.17,Grik2,protein_coding	0.13337323	0.32123001
ENSMUSG00000037287.16,Tbcel,protein_coding	0.13328693	0.02612738
ENSMUSG00000086968.11,4933431E20Rik,lncRNA	0.13327779	0.18457842
ENSMUSG00000047721.9,Bola2,protein_coding	0.13326455	0.31554814
ENSMUSG00000025733.18,Rhot2,protein_coding	0.13325714	0.21679571
ENSMUSG00000026414.15,Tnnt2,protein_coding	0.13324361	0.63986313
ENSMUSG00000030307.9,Slc6a11,protein_coding	0.13320519	0.56703734
ENSMUSG00000060314.14,Zfp941,protein_coding	0.13317051	0.275072
ENSMUSG00000049792.7,Bag5,protein_coding	0.13310555	0.17792706
ENSMUSG00000025790.15,Slco3a1,protein_coding	0.13305233	0.12680875
ENSMUSG00000103382.2,Gm37755,TEC	0.13304724	0.7737663
ENSMUSG00000021504.15,B4galt7,protein_coding	0.13301476	0.38354714
ENSMUSG00000022947.9,Cbr3,protein_coding	0.13297461	0.59425205
ENSMUSG00000026248.10,Mrpl44,protein_coding	0.1329001	0.33300196
ENSMUSG00000049690.16,Nckap5,protein_coding	0.13287381	0.30361997
ENSMUSG00000061518.12,Cox5b,protein_coding	0.1328186	0.30018114
ENSMUSG00000109051.2,Gm44913,TEC	0.13280293	0.42020544
ENSMUSG00000027360.6,Hdc,protein_coding	0.13270694	0.67985611
ENSMUSG00000045349.16,Sh2d5,protein_coding	0.13269292	0.48109578
ENSMUSG00000039313.15,Minar1,protein_coding	0.13268283	0.57441081
ENSMUSG00000031398.14,Plxna3,protein_coding	0.13257763	0.33970549

ENSMUSG00000060429.13,Sntb1,protein_coding	0.13256252	0.55400289
ENSMUSG00000039813.15,Tbc1d2,protein_coding	0.1325243	0.48738085
ENSMUSG00000018340.14,Anxa6,protein_coding	0.13252068	0.22244147
ENSMUSG00000015013.10,Trappc2l,protein_coding	0.13250039	0.46343264
ENSMUSG00000025026.16,Add3,protein_coding	0.13249644	0.12249452
ENSMUSG00000053358.3,Gm9905,TEC	0.13247946	0.59521849
ENSMUSG00000051817.10,Sox12,protein_coding	0.13246849	0.29906603
ENSMUSG00000021200.15,Asb2,protein_coding	0.13237759	0.73809563
ENSMUSG00000056429.5,Tgoln1,protein_coding	0.13233959	0.05922932
ENSMUSG00000097287.6,D130017N08Rik,lncRNA	0.1322956	0.31046689
ENSMUSG00000143989.1,ENSMUSG00000143989,lncRNA	0.13222392	0.75341543
ENSMUSG00000102953.2,Gm37019,TEC	0.13220709	0.55334669
ENSMUSG00000022820.5,Ndufb4,protein_coding	0.13216617	0.33901998
ENSMUSG00000103570.2,C630004M23Rik,TEC	0.13213524	0.6980205
ENSMUSG00000059734.8,Ndufs8,protein_coding	0.13212666	0.39854256
ENSMUSG00000036398.14,Ppp1r11,protein_coding	0.13206651	0.22754318
ENSMUSG00000042308.15,Setd1a,protein_coding	0.13201949	0.13076584
ENSMUSG00000072893.14,4933439C10Rik,lncRNA	0.13197958	0.32669055
ENSMUSG00000104784.3,Gm42984,lncRNA	0.13197417	0.64604798
ENSMUSG00000070426.13,Rnf121,protein_coding	0.13191943	0.08627404
ENSMUSG00000141380.1,ENSMUSG00000141380,lncRNA	0.13191786	0.55465186
ENSMUSG00000084347.4,Akt2-ps,processed_pseudogene	0.13189317	0.73217788
ENSMUSG00000018861.9,Fdxr,protein_coding	0.13181734	0.41598386
ENSMUSG00000038347.16,Tcte2,lncRNA	0.13174364	0.44302451
ENSMUSG00000046618.8,Olfml2a,protein_coding	0.13174358	0.60511412
ENSMUSG00000085319.3,Gm13330,lncRNA	0.13173785	0.73582677
ENSMUSG00000085953.4,Gm15496,lncRNA	0.13170656	0.62185665
ENSMUSG00000021417.16,Eci2,protein_coding	0.13169562	0.27338007
ENSMUSG00000074001.4,Klhl40,protein_coding	0.13161847	0.69152916
ENSMUSG00000104525.2,Gm37334,TEC	0.13143798	0.40617001
ENSMUSG00000045053.3,Kcng3,protein_coding	0.13138776	0.62773774
ENSMUSG00000019464.7,Ptger1,protein_coding	0.13134145	0.59139033
ENSMUSG00000044600.15,Smim7,protein_coding	0.13131717	0.13745367
ENSMUSG00000043531.18,Sorcs1,protein_coding	0.13131544	0.25821593
ENSMUSG00000047767.18,Atg16l2,protein_coding	0.13128659	0.36775058
ENSMUSG00000103634.2,3110062G12Rik,TEC	0.13124061	0.70753432
ENSMUSG00000002266.18,Zim1,protein_coding	0.13112163	0.57178294
ENSMUSG00000036636.11,Clcn7,protein_coding	0.13108962	0.2265093
ENSMUSG00000014550.15,Rbsn,protein_coding	0.13108801	0.03617907
ENSMUSG00000037022.4,Mmaa,protein_coding	0.13104083	0.16309466
ENSMUSG00000032366.16,Tpm1,protein_coding	0.13102685	0.13567481
ENSMUSG00000020029.7,Nudt4,protein_coding	0.13102481	0.27233915
ENSMUSG00000106385.2,Gm42943,TEC	0.13102379	0.5134419
ENSMUSG00000079084.13,Ccdc82,protein_coding	0.1310001	0.17748355
ENSMUSG00000024309.16,Pfdn6,protein_coding	0.13089903	0.36055601
ENSMUSG00000105076.2,A930003O13Rik,lncRNA	0.1308745	0.63286166
ENSMUSG00000047161.13,Chst9,protein_coding	0.13083627	0.79261595
ENSMUSG00000028960.21,Ube4b,protein_coding	0.13082405	0.07207868
ENSMUSG00000001128.8,Cfp,protein_coding	0.13071841	0.51071029
ENSMUSG00000045598.11,Zfp553,protein_coding	0.1307024	0.08905045
ENSMUSG00000052512.19,Nav2,protein_coding	0.13069848	0.34567752
ENSMUSG00000029641.10,Rasl11a,protein_coding	0.1306512	0.61481483

ENSMUSG00000042709.17,Atpaf2,protein_coding	0.1305736	0.32218772
ENSMUSG00000079477.10,Rab7,protein_coding	0.13055496	0.0648923
ENSMUSG00000025420.14,Katnal2,protein_coding	0.13049829	0.51604741
ENSMUSG00000074582.11,Arfgef2,protein_coding	0.13045862	0.06176146
ENSMUSG00000097649.5,Gm10561,lncRNA	0.13043035	0.63425742
ENSMUSG00000025137.16,Pcyt2,protein_coding	0.13040405	0.17278475
ENSMUSG00000130776.1,ENSMUSG00000130776,lncRNA	0.13034945	0.67473436
ENSMUSG00000121238.2,Stk35os1,lncRNA	0.13034888	0.52446649
ENSMUSG00000028455.16,Stoml2,protein_coding	0.13031697	0.27870757
ENSMUSG00000038500.16,Prr3,protein_coding	0.13030936	0.22722797
ENSMUSG00000106244.2,Gm43046,TEC	0.13030288	0.56516438
ENSMUSG00000045917.18,Tmem268,protein_coding	0.13030243	0.3043936
ENSMUSG00000035199.7,Arl6ip5,protein_coding	0.13023102	0.13532643
ENSMUSG00000026856.15,Dolpp1,protein_coding	0.13019204	0.35474687
ENSMUSG00000093677.2,Gm20712,lncRNA	0.13009797	0.56618247
ENSMUSG00000066357.7,Wdr6,protein_coding	0.13007215	0.49045345
ENSMUSG00000052337.16,Immt,protein_coding	0.13006411	0.05073582
ENSMUSG00000026342.11,Slc35f5,protein_coding	0.13005717	0.22772574
ENSMUSG00000030058.18,Copg1,protein_coding	0.13002724	0.17284746
ENSMUSG00000032892.15,Rangrf,protein_coding	0.13000829	0.59924913
ENSMUSG00000071073.6,Lrrc73,protein_coding	0.12992404	0.53742777
ENSMUSG00000034981.10,Parm1,protein_coding	0.12990548	0.21573023
ENSMUSG00000079677.3,Fdx2,protein_coding	0.1298929	0.44060306
ENSMUSG00000034259.9,Exosc4,protein_coding	0.12985076	0.34810895
ENSMUSG00000056752.17,Dnah9,protein_coding	0.12979714	0.58950202
ENSMUSG00000064563.3,Snora7a,snoRNA	0.1297952	0.54779914
ENSMUSG00000066042.5,Med18,protein_coding	0.12979099	0.51453261
ENSMUSG00000041645.15,Ddx24,protein_coding	0.12978856	0.09980486
ENSMUSG00000001729.15,Akt1,protein_coding	0.12978722	0.17349742
ENSMUSG00000044734.17,Serpinb1a,protein_coding	0.12966043	0.53608173
ENSMUSG00000042734.7,Ttc9,protein_coding	0.12965423	0.26520759
ENSMUSG00000034101.15,Ctnnd1,protein_coding	0.1296429	0.2035699
ENSMUSG00000031967.16,Afg3l1,protein_coding	0.12961627	0.10702614
ENSMUSG00000014303.14,Glis2,protein_coding	0.12960808	0.3321038
ENSMUSG00000121151.1,Gm56909,lncRNA	0.12959244	0.6163359
ENSMUSG00000005873.7,Reep5,protein_coding	0.12945327	0.22095731
ENSMUSG00000111229.3,Gm39323,lncRNA	0.12945176	0.63477105
ENSMUSG00000068959.7,Zfp619,protein_coding	0.12943995	0.34610137
ENSMUSG00000029649.11,Pomp,protein_coding	0.12936217	0.11875229
ENSMUSG00000104157.2,Gm38101,lncRNA	0.12931139	0.69302742
ENSMUSG00000105084.2,Gm43365,TEC	0.12927015	0.60909283
ENSMUSG00000031730.19,Dhodh,protein_coding	0.1292547	0.20150932
ENSMUSG00000026335.17,Pam,protein_coding	0.12924873	0.39628536
ENSMUSG00000020366.19,Mapk9,protein_coding	0.12916386	0.11831234
ENSMUSG00000036459.16,Wtip,protein_coding	0.12914518	0.60638748
ENSMUSG00000059495.15,Arhgef12,protein_coding	0.12910398	0.05537218
ENSMUSG00000092607.10,Scnm1,protein_coding	0.12905176	0.31074557
ENSMUSG00000019470.13,Xab2,protein_coding	0.12904011	0.18295368
ENSMUSG00000008035.13,Mid1ip1,protein_coding	0.12898883	0.18889638
ENSMUSG00000059689.16,Zfp637,protein_coding	0.12898299	0.3087513
ENSMUSG00000108372.2,Gm45124,TEC	0.12893256	0.43865709
ENSMUSG00000027166.15,Dnajc24,protein_coding	0.12888552	0.49737453

ENSMUSG00000037514.19,Pank2,protein_coding	0.12883692	0.05515861
ENSMUSG00000032267.9,Usp28,protein_coding	0.12881762	0.24906365
ENSMUSG00000015759.12,Cnih1,protein_coding	0.12880923	0.2117674
ENSMUSG00000090005.2,Gm16540,lncRNA	0.12880918	0.66899979
ENSMUSG00000111345.2,Gm48562,TEC	0.12879966	0.54665407
ENSMUSG00000046613.20,Vwa5b2,protein_coding	0.12875933	0.45404525
ENSMUSG00000036438.15,Calm2,protein_coding	0.12875902	0.33261505
ENSMUSG00000028607.17,Cpt2,protein_coding	0.12873245	0.64241087
ENSMUSG00000040797.17,Iqsec3,protein_coding	0.12869998	0.29341397
ENSMUSG00000143377.1,ENSMUSG00000143377,lncRNA	0.12862952	0.5518751
ENSMUSG00000032377.9,Plscr4,protein_coding	0.12849042	0.56271426
ENSMUSG00000006386.16,Tek,protein_coding	0.1284365	0.34625214
ENSMUSG00000019795.18,Pcmt1,protein_coding	0.12840762	0.16516834
ENSMUSG00000036613.9,Eipr1,protein_coding	0.12837722	0.1571256
ENSMUSG00000102639.2,Gm38223,TEC	0.1283723	0.7626562
ENSMUSG00000030772.7,Dkk3,protein_coding	0.1283495	0.50985666
ENSMUSG00000046280.10,She,protein_coding	0.12834252	0.4003002
ENSMUSG00000027180.13,Fbxo3,protein_coding	0.12831623	0.10867413
ENSMUSG00000029084.6,Cd38,protein_coding	0.12826955	0.55514884
ENSMUSG00000036206.13,Sh3bp4,protein_coding	0.12812581	0.42066242
ENSMUSG00000022297.16,Fzd6,protein_coding	0.12810399	0.38390699
ENSMUSG00000062619.7,2310039H08Rik,protein_coding	0.12809287	0.60265681
ENSMUSG00000036850.5,Mrpl41,protein_coding	0.1280433	0.402378
ENSMUSG00000027668.14,Mfn1,protein_coding	0.12803009	0.0789747
ENSMUSG00000074212.8,Dnajb14,protein_coding	0.12801083	0.20221248
ENSMUSG00000059278.10,Naa38,protein_coding	0.12800037	0.40832367
ENSMUSG00000074925.5,Ptar1,protein_coding	0.12792268	0.33308027
ENSMUSG00000024176.12,Sox8,protein_coding	0.12788898	0.33791854
ENSMUSG00000042992.16,Borcs5,protein_coding	0.12785898	0.35011636
ENSMUSG00000041881.14,Ndufa7,protein_coding	0.12783685	0.41398789
ENSMUSG00000050945.9,Zfp438,protein_coding	0.1278087	0.32436179
ENSMUSG00000033478.7,Fhip2a,protein_coding	0.12780087	0.07344363
ENSMUSG00000102732.2,Gm37342,TEC	0.12779598	0.60328617
ENSMUSG00000045875.14,Adra1a,protein_coding	0.12769038	0.45386886
ENSMUSG00000031351.16,Zfp185,protein_coding	0.12767511	0.67136724
ENSMUSG00000063455.17,D630045J12Rik,protein_coding	0.1275754	0.27256813
ENSMUSG00000002578.19,Ikzf4,protein_coding	0.12751032	0.26521677
ENSMUSG00000121871.2,Slc2a4rg-ps,lncRNA	0.12750784	0.41757805
ENSMUSG00000029621.15,Arpc1a,protein_coding	0.12748251	0.25068408
ENSMUSG00000079110.13,Capn3,protein_coding	0.12744646	0.53658284
ENSMUSG00000102461.2,Gm37166,TEC	0.12743811	0.53965912
ENSMUSG00000021252.12,Erg28,protein_coding	0.12742993	0.15232672
ENSMUSG00000032062.4,2310030G06Rik,protein_coding	0.12734816	0.53550726
ENSMUSG00000052353.14,Cemip,protein_coding	0.12734623	0.45558849
ENSMUSG00000105332.2,Gm43316,TEC	0.12731779	0.63469994
ENSMUSG00000001632.17,Brpf1,protein_coding	0.12731473	0.31098004
ENSMUSG00000031155.18,Pim2,protein_coding	0.12730454	0.25079397
ENSMUSG00000032468.12,Armc8,protein_coding	0.12729474	0.14668313
ENSMUSG00000048856.10,Slc25a47,protein_coding	0.1272889	0.62830779
ENSMUSG00000112918.2,Gm18120,processed_pseudogene	0.12726792	0.65026862
ENSMUSG00000027438.15,Napb,protein_coding	0.12725929	0.24350779
ENSMUSG00000072494.8,Ppp1r3e,protein_coding	0.12724851	0.49480959

ENSMUSG00000023051.13,Tarbp2,protein_coding	0.12715417	0.44903569
ENSMUSG00000011752.8,Pgam1,protein_coding	0.12713588	0.2086001
ENSMUSG00000015837.16,Sqstm1,protein_coding	0.12710874	0.23988067
ENSMUSG00000039275.10,Foxk2,protein_coding	0.12707451	0.1241974
ENSMUSG00000101892.2,9130401M01Rik,protein_coding	0.12697043	0.24978557
ENSMUSG00000130127.1,ENSMUSG00000130127,lncRNA	0.12694747	0.6495172
ENSMUSG00000064284.13,Cdpf1,protein_coding	0.12691993	0.5218019
ENSMUSG00000026090.17,Cracdl,protein_coding	0.12682965	0.54165198
ENSMUSG00000124921.1,ENSMUSG00000124921,lncRNA	0.12682377	0.56671792
ENSMUSG00000106841.2,Gm42656,TEC	0.12680891	0.55641081
ENSMUSG00000028389.13,Zfp37,protein_coding	0.12679376	0.21143734
ENSMUSG00000110895.2,Gm48822,TEC	0.12678978	0.4501765
ENSMUSG00000042487.7,Leo1,protein_coding	0.12677695	0.25725097
ENSMUSG00000036376.4,Abt1,protein_coding	0.12677203	0.20536596
ENSMUSG00000009418.18,Nav1,protein_coding	0.12667828	0.29244402
ENSMUSG00000070493.4,Chchd2,protein_coding	0.12667159	0.423978
ENSMUSG00000052949.15,Rnf157,protein_coding	0.12666482	0.3575104
ENSMUSG00000057531.16,Dtnbp1,protein_coding	0.12666443	0.2597411
ENSMUSG00000111080.2,Gm20300,lncRNA	0.12662294	0.26583592
ENSMUSG00000051331.17,Cacna1c,protein_coding	0.12653396	0.29974078
ENSMUSG00000046876.17,Atxn1,protein_coding	0.12650364	0.28483305
ENSMUSG00000039686.15,Zer1,protein_coding	0.12649879	0.17420206
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ENSMUSG00000033760.18,Rbm4b,protein_coding	0.12645589	0.23705457
ENSMUSG00000142745.1,ENSMUSG00000142745,lncRNA	0.12643244	0.73603056
ENSMUSG00000085067.5,Gm15631,lncRNA	0.12618249	0.52574736
ENSMUSG00000048349.10,Pou4f1,protein_coding	0.12617934	0.91229553
ENSMUSG00000120563.2,Gm57200,lncRNA	0.12615064	0.61115291
ENSMUSG00000039496.9,Cdnf,protein_coding	0.12613791	0.68683886
ENSMUSG00000026851.10,BC005624,protein_coding	0.12612712	0.19751611
ENSMUSG00000029462.19,Vps29,protein_coding	0.12602594	0.1188356
ENSMUSG00000032940.17,Rbm11,protein_coding	0.12596507	0.56307611
ENSMUSG00000008690.16,Ncaph2,protein_coding	0.12595498	0.19297064
ENSMUSG00000070972.14,Dnajc25,protein_coding	0.12593205	0.41603599
ENSMUSG00000056004.17,Elapor2,protein_coding	0.12590632	0.21550787
ENSMUSG00000030706.18,Mrpl48,protein_coding	0.12588933	0.0978739
ENSMUSG00000024304.15,Cdh2,protein_coding	0.12582171	0.07028657
ENSMUSG00000048978.15,Nrsn1,protein_coding	0.12580581	0.44796834
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ENSMUSG00000044067.8,Gpr22,protein_coding	0.12564156	0.50541492
ENSMUSG00000037536.15,Fbxo34,protein_coding	0.12556073	0.2615744
ENSMUSG00000054263.13,Lifr,protein_coding	0.12547084	0.18398206
ENSMUSG00000037152.12,Ndufc1,protein_coding	0.12545803	0.40986845
ENSMUSG00000039358.4,Drd5,protein_coding	0.12541544	0.6299099
ENSMUSG00000033885.16,Pxk,protein_coding	0.12532616	0.13763634
ENSMUSG00000026568.7,Mpc2,protein_coding	0.12524188	0.17422026
ENSMUSG00000032184.6,Lysmd2,protein_coding	0.12520992	0.30182205
ENSMUSG00000105556.2,Gm43080,TEC	0.12516161	0.54504568
ENSMUSG00000119945.2,Gm57301,lncRNA	0.12515543	0.72259299
ENSMUSG00000004933.18,Matk,protein_coding	0.12513291	0.52635914
ENSMUSG00000033429.11,Mcee,protein_coding	0.12511552	0.50877351
ENSMUSG00000129405.1,ENSMUSG00000129405,lncRNA	0.1250878	0.78439373

ENSMUSG00000009291.14,Pttg1ip,protein_coding	0.12508486	0.09749894
ENSMUSG00000020312.13,Shc2,protein_coding	0.1250204	0.43416148
ENSMUSG00000031479.10,Vps36,protein_coding	0.1249791	0.13017375
ENSMUSG00000024617.17,Camk2a,protein_coding	0.12495698	0.5581408
ENSMUSG00000021096.12,Ppm1a,protein_coding	0.12495299	0.14347436
ENSMUSG00000062580.10,Timm17a,protein_coding	0.12486534	0.05372869
ENSMUSG00000027679.14,Dnajc19,protein_coding	0.12479176	0.32357252
ENSMUSG00000024392.18,Bag6,protein_coding	0.12476883	0.15423472
ENSMUSG00000078786.10,Actmap,protein_coding	0.1247398	0.08932471
ENSMUSG00000022203.8,Efs,protein_coding	0.12469383	0.60197323
ENSMUSG00000068463.7,B630019A10Rik,lncRNA	0.12468618	0.69730469
ENSMUSG00000031783.11,Polr2c,protein_coding	0.12460387	0.31813166
ENSMUSG00000051615.15,Rap2a,protein_coding	0.12456655	0.34019969
ENSMUSG00000019737.15,Syne4,protein_coding	0.12439503	0.68364874
ENSMUSG00000021552.8,Gkap1,protein_coding	0.12438103	0.21238331
ENSMUSG00000061032.10,Rrp1,protein_coding	0.12436818	0.14652415
ENSMUSG00000024500.21,Ppp2r2b,protein_coding	0.12425999	0.40255395
ENSMUSG00000031078.16,Cttn,protein_coding	0.12425161	0.27868321
ENSMUSG00000020681.15,Ace,protein_coding	0.12424916	0.63622812
ENSMUSG00000021451.17,Sema4d,protein_coding	0.12424643	0.14017608
ENSMUSG00000001995.10,Sipa1l2,protein_coding	0.12423683	0.27945871
ENSMUSG00000099625.2,Gm29325,lncRNA	0.12414151	0.55300222
ENSMUSG00000091387.3,Gcnt4,protein_coding	0.12409276	0.48595743
ENSMUSG00000028759.14,Hp1bp3,protein_coding	0.12408823	0.08713652
ENSMUSG00000018761.15,Mpdu1,protein_coding	0.12402577	0.27772834
ENSMUSG00000010025.20,Aldh3a2,protein_coding	0.12400443	0.04520377
ENSMUSG00000101249.2,Gm29216,unprocessed_pseudogene	0.12387863	0.5076281
ENSMUSG00000045795.11,Whamm,protein_coding	0.12387554	0.34930681
ENSMUSG00000002981.11,Clptm1,protein_coding	0.12377153	0.20769532
ENSMUSG00000032528.6,Vipr1,protein_coding	0.12362981	0.58206631
ENSMUSG00000031969.17,Acad8,protein_coding	0.12352569	0.28748805
ENSMUSG00000028898.16,Trnau1ap,protein_coding	0.12352328	0.36154871
ENSMUSG00000102770.2,Gm38163,lncRNA	0.12346982	0.78125823
ENSMUSG00000025959.14,Klf7,protein_coding	0.12345852	0.15917569
ENSMUSG00000104279.2,Gm38300,TEC	0.123444	0.61708603
ENSMUSG00000092060.5,Bend4,protein_coding	0.1234374	0.36216844
ENSMUSG00000054455.6,Vapb,protein_coding	0.12341741	0.07549133
ENSMUSG00000028518.9,Prkaa2,protein_coding	0.12339458	0.24843803
ENSMUSG00000020647.11,Ncoa1,protein_coding	0.12330585	0.10033074
ENSMUSG00000031906.10,Smpd3,protein_coding	0.1232534	0.57944793
ENSMUSG00000019889.11,Ptprk,protein_coding	0.12319482	0.31411648
ENSMUSG00000035078.7,Mtmr9,protein_coding	0.12315395	0.17117703
ENSMUSG00000114241.4,Gm30108,lncRNA	0.12311547	0.71341653
ENSMUSG00000120262.2,9530077C14Rik,lncRNA	0.12310448	0.54121388
ENSMUSG00000026639.19,Lamb3,protein_coding	0.12297154	0.69197041
ENSMUSG00000021577.15,Sdha,protein_coding	0.12296563	0.20669672
ENSMUSG00000046562.6,Unc119b,protein_coding	0.1229646	0.28303614
ENSMUSG00000120221.2,Gm34917,lncRNA	0.1229614	0.61045125
ENSMUSG00000024381.18,Bin1,protein_coding	0.12291558	0.19977083
ENSMUSG00000022309.10,Angpt1,protein_coding	0.12283451	0.50748858
ENSMUSG00000020728.18,Cep112,protein_coding	0.12282836	0.37348503
ENSMUSG00000062234.15,Gak,protein_coding	0.12270793	0.08608271

ENSMUSG00000038324.14,Trpc4ap,protein_coding	0.12268753	0.0591025
ENSMUSG00000005034.16,Prkacb,protein_coding	0.12262489	0.26810301
ENSMUSG00000031750.16,Il34,protein_coding	0.12262433	0.53342932
ENSMUSG00000081104.2,Gm15989,processed_pseudogene	0.12262193	0.69396251
ENSMUSG00000078747.10,Gm20878,protein_coding	0.12249421	0.62508023
ENSMUSG00000035033.16,Tbr1,protein_coding	0.12243258	0.66176457
ENSMUSG00000025736.16,Jmjd8,protein_coding	0.12240785	0.31694731
ENSMUSG00000039954.10,Stk32a,protein_coding	0.12237705	0.3610966
ENSMUSG00000023169.16,Slc38a1,protein_coding	0.12236788	0.14152334
ENSMUSG00000042826.14,Fgf11,protein_coding	0.12235926	0.15441516
ENSMUSG00000031706.8,Rfx1,protein_coding	0.1223513	0.32857592
ENSMUSG00000107276.2,Gm42858,TEC	0.1223243	0.54220195
ENSMUSG00000020777.17,Acox1,protein_coding	0.1223078	0.17397009
ENSMUSG00000112596.2,Gm48804,TEC	0.12230542	0.54996794
ENSMUSG00000029152.14,Ociad1,protein_coding	0.12230378	0.14561332
ENSMUSG00000047603.10,Zfp235,protein_coding	0.12229956	0.12254491
ENSMUSG00000037428.15,Vgf,protein_coding	0.12228576	0.53504469
ENSMUSG00000004069.18,Dnaja3,protein_coding	0.12228103	0.12432309
ENSMUSG00000117430.2,Gm49968,TEC	0.12227826	0.49644005
ENSMUSG00000060450.15,Rnf14,protein_coding	0.1222582	0.26276661
ENSMUSG00000115149.4,9330188P03Rik,lncRNA	0.12224339	0.63828943
ENSMUSG00000029772.18,Ahcyl2,protein_coding	0.12224124	0.12446757
ENSMUSG00000040867.14,Begain,protein_coding	0.1221632	0.50099402
ENSMUSG00000043831.13,Lysmd4,protein_coding	0.12213595	0.19658232
ENSMUSG00000035824.8,Tk2,protein_coding	0.12212784	0.28407095
ENSMUSG00000032324.12,Tspan3,protein_coding	0.12203731	0.17832641
ENSMUSG00000020098.8,Pcbd1,protein_coding	0.12198992	0.71704558
ENSMUSG00000022554.8,Hgh1,protein_coding	0.12198575	0.42072212
ENSMUSG00000027519.11,Rab22a,protein_coding	0.1219426	0.05715987
ENSMUSG00000032641.19,Gpr19,protein_coding	0.12186276	0.35520708
ENSMUSG00002075496.1,Gm55970,misc_RNA	0.12186034	0.73636034
ENSMUSG00000023960.14,Enpp5,protein_coding	0.12185624	0.26257635
ENSMUSG00000031292.15,Cdkl5,protein_coding	0.12185248	0.42394713
ENSMUSG00000024502.11,Jakmip2,protein_coding	0.12181636	0.23332921
ENSMUSG00000021681.9,Aggf1,protein_coding	0.1217824	0.09000771
ENSMUSG00000066152.12,Slc31a2,protein_coding	0.12178237	0.43573328
ENSMUSG00000031548.8,Sfrp1,protein_coding	0.12177266	0.46470846
ENSMUSG00000121263.1,Gm57470,lncRNA	0.121682	0.56765616
ENSMUSG00000030098.16,Grip2,protein_coding	0.1216312	0.60390867
ENSMUSG00000024187.16,Fam234a,protein_coding	0.12158406	0.37428677
ENSMUSG00000021556.13,Golm1,protein_coding	0.12154435	0.54151212
ENSMUSG00000064354.1,mt-Co2,protein_coding	0.12152049	0.61665738
ENSMUSG00000015942.10,Gtf2ird2,protein_coding	0.12145906	0.24978719
ENSMUSG00000039069.20,Mtg2,protein_coding	0.12145064	0.27652072
ENSMUSG00000034951.11,Cog7,protein_coding	0.12132543	0.18065454
ENSMUSG00000040269.6,Mrps28,protein_coding	0.12132534	0.61552418
ENSMUSG00000108494.2,Gm45203,TEC	0.12128686	0.49866239
ENSMUSG00000097343.4,9030407P20Rik,lncRNA	0.12126962	0.42323959
ENSMUSG00000080937.2,Gm13510,processed_pseudogene	0.12126559	0.56511643
ENSMUSG00000050994.22,Adgb,protein_coding	0.12118709	0.75609625
ENSMUSG00000026500.7,Cox20,protein_coding	0.12115861	0.44703696
ENSMUSG00000039840.9,Epg5,protein_coding	0.12114596	0.07007114

ENSMUSG00000090841.3,Myl6,protein_coding	0.12112856	0.43466233
ENSMUSG00000104136.2,Gm36955,TEC	0.12112541	0.58573304
ENSMUSG00000005611.16,Irag1,protein_coding	0.12111061	0.59918954
ENSMUSG00000039623.14,Ap5z1,protein_coding	0.12107838	0.40534426
ENSMUSG00000039908.15,Slc26a11,protein_coding	0.12099548	0.45028717
ENSMUSG00000039670.3,Oxld1,protein_coding	0.12098297	0.60281268
ENSMUSG00000058571.12,Gpc6,protein_coding	0.12093109	0.210208
ENSMUSG00000020462.15,Cfap36,protein_coding	0.12087561	0.20070816
ENSMUSG00000017288.16,Vps53,protein_coding	0.12086857	0.12951115
ENSMUSG00000021743.7,Fezf2,protein_coding	0.12083223	0.63251348
ENSMUSG00000082820.4,Gm13803,processed_pseudogene	0.12076293	0.79431432
ENSMUSG00000102432.3,Gm29856,lncRNA	0.12075203	0.79643179
ENSMUSG00000039546.10,Ajap1,protein_coding	0.12070415	0.4823097
ENSMUSG00000064351.1,mt-Co1,protein_coding	0.12068303	0.62319779
ENSMUSG00000078880.11,Gm14308,protein_coding	0.12062053	0.68207508
ENSMUSG00000029090.13,Adgra3,protein_coding	0.12058128	0.37497093
ENSMUSG00000082229.2,Nap1l2,protein_coding	0.12057553	0.31833672
ENSMUSG00000021066.10,Atl1,protein_coding	0.1205635	0.26698527
ENSMUSG00000046567.11,Rlig1,protein_coding	0.12054988	0.1028421
ENSMUSG00000030075.11,Cntn3,protein_coding	0.12053256	0.33397065
ENSMUSG00000020321.17,Mdh1,protein_coding	0.12049961	0.33124098
ENSMUSG00000068205.15,Macrod2,protein_coding	0.12048174	0.3363957
ENSMUSG00000093803.7,Ppp2r3d,protein_coding	0.12043658	0.18702609
ENSMUSG00000037949.9,Ano10,protein_coding	0.12042065	0.35051777
ENSMUSG00000114190.2,4930556H04Rik,TEC	0.12041989	0.69816754
ENSMUSG00000046727.14,Cystm1,protein_coding	0.12040961	0.29929187
ENSMUSG00000106634.2,Gm43042,lncRNA	0.12023719	0.59209434
ENSMUSG00000029095.18,Ablim2,protein_coding	0.12008519	0.48848651
ENSMUSG00000056481.8,Cd248,protein_coding	0.12001415	0.52993194
ENSMUSG00000054594.14,Oscar,protein_coding	0.11996827	0.60701872
ENSMUSG00000034007.11,Scaper,protein_coding	0.11990497	0.13926339
ENSMUSG00000120985.2,Gm57235,lncRNA	0.11983183	0.52764475
ENSMUSG00000054976.15,Nyap2,protein_coding	0.11978425	0.40467595
ENSMUSG00000025235.9,Bbs4,protein_coding	0.11977432	0.20874358
ENSMUSG00000043572.8,Pars2,protein_coding	0.11975828	0.34777018
ENSMUSG00000074357.4,AA386476,lncRNA	0.11972189	0.67270996
ENSMUSG00000031343.14,Gabra3,protein_coding	0.11971369	0.48870166
ENSMUSG00000022371.18,Col14a1,protein_coding	0.11958988	0.65426768
ENSMUSG00000073139.10,Tmem185a,protein_coding	0.11958787	0.23984749
ENSMUSG00000003228.10,Grk5,protein_coding	0.11957833	0.1276723
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ENSMUSG00000026571.13,Dcaf6,protein_coding	0.11956697	0.21738959
ENSMUSG00000131949.1,ENSMUSG00000131949,lncRNA	0.11956168	0.63897737
ENSMUSG00000032186.16,Tmod2,protein_coding	0.11952879	0.23937176
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ENSMUSG00000033029.13,1700088E04Rik,protein_coding	0.11945422	0.62416804
ENSMUSG00000029659.17,Medag,protein_coding	0.11940672	0.53103823
ENSMUSG00000120908.2,Gm39283,lncRNA	0.11939832	0.69917366
ENSMUSG00000020780.16,Srp68,protein_coding	0.11938997	0.13685393
ENSMUSG00000041203.10,Trir,protein_coding	0.11937001	0.27322534
ENSMUSG00000120681.2,2610029K11Rik,lncRNA	0.11935504	0.60311685
ENSMUSG00000051306.8,Usp42,protein_coding	0.11930427	0.08346521

ENSMUSG00000099760.3,Gm28800,lncRNA	0.11918503	0.70658089
ENSMUSG00000097441.3,Gm26633,lncRNA	0.1191649	0.59599562
ENSMUSG00000097842.4,9330104G04Rik,lncRNA	0.11911621	0.41248193
ENSMUSG00000041890.18,Git2,protein_coding	0.11906625	0.34311421
ENSMUSG00000030849.19,Fgfr2,protein_coding	0.11903984	0.22008828
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ENSMUSG00000022892.12,App,protein_coding	0.11894428	0.1907401
ENSMUSG00000025764.15,Jade1,protein_coding	0.11893663	0.11668172
ENSMUSG00000048930.13,Tada3,protein_coding	0.11892517	0.30826398
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ENSMUSG00000021260.9,Hhipl1,protein_coding	0.11884969	0.55340846
ENSMUSG00000041592.17,Sdk2,protein_coding	0.11884473	0.43900372
ENSMUSG00000047719.3,Ubiad1,protein_coding	0.11881994	0.25629346
ENSMUSG00000030004.7,Nat8,protein_coding	0.11878456	0.66763789
ENSMUSG00000110751.2,C230053D17Rik,TEC	0.11874126	0.50990121
ENSMUSG00000121743.2,Gm50433,lncRNA	0.11871761	0.55806986
ENSMUSG00000072772.4,Grcc10,protein_coding	0.11869642	0.38376913
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ENSMUSG00000034832.16,Tet3,protein_coding	0.11842316	0.21176507
ENSMUSG00000078931.5,Pdf,protein_coding	0.11841333	0.54893843
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ENSMUSG00000050627.14,Gpd1l,protein_coding	0.11824213	0.27512566
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ENSMUSG00000025658.17,Cnksr2,protein_coding	0.11804832	0.48135487
ENSMUSG00000115420.2,Rmrp,lncRNA	0.11797978	0.61527145
ENSMUSG00000118651.3,Gm17315,lncRNA	0.11787255	0.74199251
ENSMUSG00000085347.4,Hk1os,lncRNA	0.11785964	0.7089794
ENSMUSG00000054199.19,Gon4l,protein_coding	0.11782587	0.20961775
ENSMUSG00000038604.10,Ripor1,protein_coding	0.11781686	0.32510752
ENSMUSG00000108955.2,Gm44775,TEC	0.11780794	0.67911304
ENSMUSG00000031668.15,Eif2ak3,protein_coding	0.11771735	0.19143388
ENSMUSG00000051486.6,Pcdhb11,protein_coding	0.11767703	0.3483299
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ENSMUSG00000041733.11,Coq5,protein_coding	0.11764991	0.16813948
ENSMUSG00000049047.12,Armcx3,protein_coding	0.11764202	0.20639291
ENSMUSG00000096056.2,Gm21986,lncRNA	0.11762391	0.70220511

ENSMUSG00000115431.2,Gm3219,processed_pseudogene	0.11761634	0.88338021
ENSMUSG00000023336.7,Wfdc1,protein_coding	0.11758112	0.71927473
ENSMUSG00000017765.18,Slc12a4,protein_coding	0.11756576	0.3531043
ENSMUSG00000031714.11,Gab1,protein_coding	0.1175631	0.12380062
ENSMUSG00000035769.10,Xylb,protein_coding	0.11755368	0.48546522
ENSMUSG00000022621.17,Rabl2,protein_coding	0.11745536	0.3878076
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ENSMUSG00000049672.16,Zbtb14,protein_coding	0.11742995	0.16891718
ENSMUSG00000027799.13,Nbea,protein_coding	0.11742992	0.28371376
ENSMUSG00000022707.18,Gbe1,protein_coding	0.11742765	0.40814883
ENSMUSG00000097023.11,Mir9-3hg,lncRNA	0.11740829	0.41207221
ENSMUSG00000055745.5,Rtl6,protein_coding	0.11737194	0.42354668
ENSMUSG00000017631.20,Abr,protein_coding	0.11735295	0.38073953
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ENSMUSG00000003444.9,Med29,protein_coding	0.11717932	0.40102841
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ENSMUSG00000061718.13,Ppp1r1b,protein_coding	0.11672728	0.70189858
ENSMUSG00000008822.16,Acyp1,protein_coding	0.11665749	0.55858429
ENSMUSG00000024087.5,Cyp1b1,protein_coding	0.11664166	0.78208171
ENSMUSG00000062421.14,Arf2,protein_coding	0.11661993	0.19941394
ENSMUSG00000068747.15,Sort1,protein_coding	0.11660646	0.40682849
ENSMUSG00000033295.15,Ptprf,protein_coding	0.11657245	0.43562277
ENSMUSG00000002885.15,Adgre5,protein_coding	0.11650214	0.48624958
ENSMUSG00000027175.11,Tcp11l1,protein_coding	0.11645832	0.29943225
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ENSMUSG00000025854.16,Fam20c,protein_coding	0.11642105	0.44198773
ENSMUSG00000004894.11,Hapln2,protein_coding	0.11642102	0.47544292
ENSMUSG00000026675.13,Hsd17b7,protein_coding	0.1164018	0.39962143
ENSMUSG00000057181.17,5730455P16Rik,protein_coding	0.11634867	0.19718406
ENSMUSG00000036835.8,Psenen,protein_coding	0.11624983	0.37132768
ENSMUSG00000025428.16,Atp5f1a,protein_coding	0.11621471	0.29472159
ENSMUSG00000028020.17,Glrb,protein_coding	0.11620101	0.42940364
ENSMUSG00000034412.14,Tbc1d10a,protein_coding	0.11615182	0.50573779
ENSMUSG00000052572.20,Dlg2,protein_coding	0.11607292	0.37619791
ENSMUSG00000058301.9,Upf1,protein_coding	0.1160337	0.25140329
ENSMUSG00000032507.16,Fbxl2,protein_coding	0.1160308	0.34599205
ENSMUSG00000048029.12,Eno4,protein_coding	0.11600541	0.66707039
ENSMUSG00000037826.6,Ppm1k,protein_coding	0.11599573	0.28330709
ENSMUSG00000033420.13,Antxr1,protein_coding	0.11596031	0.31149799
ENSMUSG00000035242.17,Oaz1,protein_coding	0.11595697	0.20953353
ENSMUSG00000029108.15,Pcdh7,protein_coding	0.11594027	0.328057
ENSMUSG00000040761.17,Spen,protein_coding	0.11586149	0.20584337
ENSMUSG00000020898.19,Ctc1,protein_coding	0.11583944	0.32362191
ENSMUSG00000032418.16,Me1,protein_coding	0.11583834	0.23353704

ENSMUSG00000086524.5,Pabpc1l2a,protein_coding	0.11579457	0.83862786
ENSMUSG00000032114.10,Slc37a4,protein_coding	0.11574261	0.38749307
ENSMUSG00000055067.16,Smyd3,protein_coding	0.11566848	0.19970032
ENSMUSG00000019804.13,Snx3,protein_coding	0.11561509	0.21517554
ENSMUSG00000028136.16,Snx27,protein_coding	0.11555793	0.09476258
ENSMUSG00000004798.15,Ulk2,protein_coding	0.11544206	0.19225717
ENSMUSG00000041798.16,Gck,protein_coding	0.11543799	0.83863191
ENSMUSG00000128991.1,ENSMUSG00000128991,lncRNA	0.11540409	0.48622753
ENSMUSG00000042363.15,Lgalsl,protein_coding	0.11540109	0.16960931
ENSMUSG00000022437.8,Samm50,protein_coding	0.11535745	0.18895802
ENSMUSG00000047414.7,Flrt2,protein_coding	0.11529894	0.47764398
ENSMUSG00000031428.12,Zcchc18,protein_coding	0.11528493	0.30754945
ENSMUSG00000031212.4,Pgr15l,protein_coding	0.1152735	0.86925883
ENSMUSG00000028463.15,Car9,protein_coding	0.11524534	0.79691327
ENSMUSG00000075592.12,Nynrin,protein_coding	0.11522384	0.59033302
ENSMUSG00000020776.19,Fbf1,protein_coding	0.11522146	0.32552541
ENSMUSG00000048478.8,Spata33,protein_coding	0.11520459	0.54912448
ENSMUSG00000050148.10,Ubqln2,protein_coding	0.11519637	0.22469418
ENSMUSG00000036368.9,Rmdn2,protein_coding	0.1151919	0.4308546
ENSMUSG00000073758.11,Sh3d21,protein_coding	0.11518782	0.72055252
ENSMUSG00000035173.15,Ccdc186,protein_coding	0.11517307	0.08701725
ENSMUSG00000024436.17,Mrps18b,protein_coding	0.11517007	0.35334511
ENSMUSG00000038886.11,Man2a2,protein_coding	0.11515969	0.09329721
ENSMUSG00000037526.8,Atg14,protein_coding	0.11513902	0.21316856
ENSMUSG00000039697.17,Ncoa7,protein_coding	0.11512333	0.11581337
ENSMUSG00000003345.17,Csnk1g2,protein_coding	0.11511901	0.27521744
ENSMUSG00000030607.8,Acan,protein_coding	0.11510517	0.60471759
ENSMUSG00000005107.14,Slc2a9,protein_coding	0.11505663	0.71964221
ENSMUSG00000020827.19,Mink1,protein_coding	0.11504136	0.36952691
ENSMUSG00000053436.16,Mapk14,protein_coding	0.11503177	0.07562563
ENSMUSG00000031907.10,Zfp90,protein_coding	0.11502651	0.26774411
ENSMUSG00000026839.18,Upp2,protein_coding	0.11500113	0.29471638
ENSMUSG00000053536.8,Cstf2t,protein_coding	0.11496316	0.21923622
ENSMUSG00000020828.14,Pld2,protein_coding	0.11491765	0.37900217
ENSMUSG00000014554.14,Dguok,protein_coding	0.11491469	0.27728117
ENSMUSG00000029551.14,Psmg3,protein_coding	0.11481968	0.49988519
ENSMUSG00000119213.1,Gm25935,snRNA	0.114797	0.75292167
ENSMUSG00000097617.5,Gm10687,lncRNA	0.11478769	0.62855883
ENSMUSG00000102744.2,5830444F18Rik,TEC	0.11472867	0.65319687
ENSMUSG00000108152.2,Gm44152,TEC	0.11463791	0.53781457
ENSMUSG00000138556.1,ENSMUSG00000138556,lncRNA	0.11462787	0.80516192
ENSMUSG00000029440.16,Psmd9,protein_coding	0.11459911	0.18106364
ENSMUSG00000045657.4,Pcdhb10,protein_coding	0.11458664	0.54833013
ENSMUSG00000070639.6,Lrrc8b,protein_coding	0.11456407	0.44232066
ENSMUSG00000072949.7,Acot1,protein_coding	0.11454457	0.52100426
ENSMUSG00000021708.19,Rasgrf2,protein_coding	0.11449542	0.44570268
ENSMUSG00000073838.11,Tufm,protein_coding	0.11448161	0.38918487
ENSMUSG00000033096.8,Apmap,protein_coding	0.11446648	0.32337785
ENSMUSG00000024335.21,Brd2,protein_coding	0.1144586	0.10636261
ENSMUSG00000025264.13,Tsr2,protein_coding	0.11443761	0.32330319
ENSMUSG00000020284.17,Cfap410,protein_coding	0.11443455	0.35263718
ENSMUSG00000025466.20,Fuom,protein_coding	0.11442927	0.46621616

ENSMUSG00000029726.17,Mepce,protein_coding	0.11442845	0.31270506
ENSMUSG00000017376.16,Nlk,protein_coding	0.11428316	0.35462351
ENSMUSG00000025722.17,Wdr73,protein_coding	0.11426849	0.33305413
ENSMUSG00000103897.2,Pcdhga8,protein_coding	0.11423053	0.42292867
ENSMUSG00000022307.17,Oxr1,protein_coding	0.11420782	0.31912024
ENSMUSG00000004667.19,Polr2e,protein_coding	0.11418232	0.38255739
ENSMUSG00000064246.11,Chi3l1,protein_coding	0.11403559	0.6054391
ENSMUSG00000038534.21,Osbpl7,protein_coding	0.11403391	0.22701167
ENSMUSG00000096199.3,Ptrhd1,protein_coding	0.1139953	0.33147829
ENSMUSG00000087088.5,Gm16638,lncRNA	0.11392962	0.28642199
ENSMUSG00000060923.6,Acyp2,protein_coding	0.11390758	0.63167383
ENSMUSG00000037710.9,Cisd1,protein_coding	0.11388214	0.36714154
ENSMUSG00000041096.14,Tspyl2,protein_coding	0.11386552	0.37328493
ENSMUSG00000059991.8,Nptx2,protein_coding	0.11380915	0.7391065
ENSMUSG00000098022.8,Zfp82,protein_coding	0.11378237	0.4811644
ENSMUSG00000034684.13,Sema3f,protein_coding	0.11378209	0.57837995
ENSMUSG00000054874.13,Pcnx3,protein_coding	0.11377637	0.32757577
ENSMUSG00000063087.17,Zeb1os1,lncRNA	0.11371699	0.41441803
ENSMUSG00000025218.7,Poll,protein_coding	0.11363821	0.60181649
ENSMUSG00000055421.9,Pcdh9,protein_coding	0.11356976	0.21428085
ENSMUSG00000062115.16,Rai1,protein_coding	0.11349687	0.34463197
ENSMUSG00000006442.11,Srm,protein_coding	0.11343557	0.36998338
ENSMUSG00000040219.5,Ttc12,protein_coding	0.11333513	0.54702875
ENSMUSG00000042492.13,Tbc1d10b,protein_coding	0.11333041	0.21997969
ENSMUSG00000060716.8,Plekhh1,protein_coding	0.11328854	0.30668015
ENSMUSG00000019996.18,Map7,protein_coding	0.11328188	0.25049658
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ENSMUSG00000071454.14,Dtnb,protein_coding	0.11323642	0.20022352
ENSMUSG00000009640.12,Dmap1,protein_coding	0.11322551	0.4363769
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ENSMUSG00000130254.1,ENSMUSG00000130254,lncRNA	0.11316087	0.74684355
ENSMUSG00000033569.18,Adgrb3,protein_coding	0.11312614	0.29223005
ENSMUSG00000055048.10,Gm9962,lncRNA	0.1130818	0.69408182
ENSMUSG00000074695.4,Il22,protein_coding	0.11297399	0.88264402
ENSMUSG00000063019.6,Manbal,protein_coding	0.1128931	0.47089166
ENSMUSG00000003031.15,Cdkn1b,protein_coding	0.11288716	0.37511198
ENSMUSG00000036975.6,Tmem177,protein_coding	0.11287931	0.30406483
ENSMUSG00000085816.3,Gm13052,lncRNA	0.11287402	0.60677777
ENSMUSG00000033253.19,Szt2,protein_coding	0.11281834	0.29052843
ENSMUSG00000028645.12,Slc2a1,protein_coding	0.11281369	0.44343873
ENSMUSG00000034152.7,Exoc3,protein_coding	0.11273168	0.16271672
ENSMUSG00000094090.3,Gm8494,processed_pseudogene	0.11271033	0.84253161
ENSMUSG00000032262.14,Elovl4,protein_coding	0.11270833	0.37377347
ENSMUSG00000121347.2,Gm2011,lncRNA	0.11269455	0.4224851
ENSMUSG00000022848.9,Slc49a4,protein_coding	0.11269335	0.2909807
ENSMUSG00000021368.16,Tbc1d7,protein_coding	0.11268926	0.5005956
ENSMUSG00000112900.2,Gm48204,TEC	0.1126533	0.67732182
ENSMUSG00000109841.5,E330011O21Rik,lncRNA	0.11260306	0.78321596
ENSMUSG00000107076.2,Gm43480,lncRNA	0.11258336	0.71407899
ENSMUSG00000031021.14,Tmem9b,protein_coding	0.11228753	0.21528292
ENSMUSG00000040356.17,Skic2,protein_coding	0.11226244	0.27067268
ENSMUSG00000069372.4,Ctxn3,protein_coding	0.11225828	0.64259192

ENSMUSG00000078584.10,AU022252,protein_coding	0.1122402	0.17319223
ENSMUSG00000041130.11,Zfp598,protein_coding	0.11221448	0.3286834
ENSMUSG00000036580.16,Spart,protein_coding	0.11219757	0.1482065
ENSMUSG00000038398.9,Upf3a,protein_coding	0.11216932	0.12704346
ENSMUSG00000050266.7,Or52b1,protein_coding	0.11214539	0.70942888
ENSMUSG00000061911.16,Myt1l,protein_coding	0.11213581	0.35037748
ENSMUSG00000061731.10,Ext1,protein_coding	0.11213062	0.29387544
ENSMUSG00000097164.5,Cep83os,lncRNA	0.11213034	0.29018707
ENSMUSG00000039533.9,Mmd2,protein_coding	0.11210143	0.27159605
ENSMUSG00000044768.17,Macir,protein_coding	0.11209946	0.24768589
ENSMUSG00000019731.14,Slc35e1,protein_coding	0.11206289	0.19609106
ENSMUSG00000079562.8,Maea,protein_coding	0.112061	0.29233725
ENSMUSG00000008435.16,Rdh13,protein_coding	0.11199827	0.30700747
ENSMUSG00000024181.10,Mrpl28,protein_coding	0.11198526	0.49606647
ENSMUSG00000037174.19,Elf2,protein_coding	0.11198121	0.29031466
ENSMUSG00000020315.19,Sptbn1,protein_coding	0.11195295	0.25774929
ENSMUSG00000051671.8,Coa6,protein_coding	0.11191954	0.50059164
ENSMUSG00000028998.7,Tomm7,protein_coding	0.11190672	0.39305868
ENSMUSG00000021262.16,Evl,protein_coding	0.11190023	0.33674871
ENSMUSG00000023034.8,Nr4a1,protein_coding	0.11181115	0.65291952
ENSMUSG00000049940.8,Pgrmc2,protein_coding	0.11179451	0.19808312
ENSMUSG00000021497.11,Txndc15,protein_coding	0.11177905	0.231669
ENSMUSG00000142997.1,ENSMUSG00000142997,lncRNA	0.11173514	0.5827878
ENSMUSG00000021690.11,Jmy,protein_coding	0.11166664	0.13263307
ENSMUSG00000087478.4,4930506C21Rik,lncRNA	0.11166255	0.64794001
ENSMUSG00000007338.11,Mrpl49,protein_coding	0.11162718	0.28814637
ENSMUSG00000038619.13,Ensa,protein_coding	0.11162612	0.16188469
ENSMUSG00000067567.13,Hdac8,protein_coding	0.11160429	0.20922143
ENSMUSG00000051339.11,2900026A02Rik,protein_coding	0.11158976	0.46438776
ENSMUSG00000038646.14,Ramac,protein_coding	0.11153237	0.40086443
ENSMUSG00000108216.2,Gm44153,TEC	0.11150595	0.51429235
ENSMUSG00000039100.11,Marchf6,protein_coding	0.11140485	0.21267185
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ENSMUSG00000042129.9,Rassf4,protein_coding	0.11135831	0.66699587
ENSMUSG00000041629.8,Vcf1,protein_coding	0.11135505	0.22482869
ENSMUSG00000028920.10,Fbxo42,protein_coding	0.11128644	0.15597826
ENSMUSG00000106414.2,Gm43320,TEC	0.1112673	0.70263989
ENSMUSG00000032297.12,Celf6,protein_coding	0.11123812	0.6263245
ENSMUSG00000030127.16,Cops7a,protein_coding	0.11119573	0.35937832
ENSMUSG00000029434.13,Vps33a,protein_coding	0.1111323	0.21155795
ENSMUSG00000024900.6,Cpt1a,protein_coding	0.11104599	0.30687195
ENSMUSG00000025141.4,Myadml2,protein_coding	0.1109628	0.69535515
ENSMUSG00000031827.15,Cotl1,protein_coding	0.11092465	0.51161916
ENSMUSG00000031813.9,Mvb12a,protein_coding	0.11088917	0.44294283
ENSMUSG00000024581.14,Napg,protein_coding	0.11088877	0.21999439
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ENSMUSG00000046743.7,Fat4,protein_coding	0.11081445	0.48715309
ENSMUSG00000039050.9,Osbpl2,protein_coding	0.11081255	0.14411989
ENSMUSG00000037622.15,Wdtc1,protein_coding	0.11075617	0.31788781
ENSMUSG00000056201.10,Cfl1,protein_coding	0.11075332	0.26408327
ENSMUSG00000096992.5,Gm26788,lncRNA	0.11060933	0.76312827
ENSMUSG00000026701.16,Prdx6,protein_coding	0.11058374	0.20230857

ENSMUSG00000004366.5,Sst,protein_coding	0.11054044	0.58905865
ENSMUSG00000035954.11,Dock4,protein_coding	0.11050956	0.39812528
ENSMUSG00000019235.10,Rps6kl1,protein_coding	0.11046428	0.50192947
ENSMUSG00000031753.17,Cog4,protein_coding	0.11043145	0.18523088
ENSMUSG00000039270.10,Megf9,protein_coding	0.11038469	0.26809838
ENSMUSG00000061411.13,Nol4l,protein_coding	0.1103574	0.34341301
ENSMUSG00000031299.11,Pdha1,protein_coding	0.11035579	0.2937117
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ENSMUSG00000009406.14,Elk1,protein_coding	0.11019058	0.29410619
ENSMUSG00000039230.15,Tbcd,protein_coding	0.11013249	0.15721566
ENSMUSG00000027827.18,Kcnab1,protein_coding	0.11013139	0.4923941
ENSMUSG00000049354.9,Dcaf7,protein_coding	0.1100758	0.2466906
ENSMUSG00000024393.15,Prrc2a,protein_coding	0.11005307	0.30813752
ENSMUSG00000089917.8,Uckl1,protein_coding	0.11000233	0.30564583
ENSMUSG00000021518.5,Ptdss1,protein_coding	0.10994398	0.18192279
ENSMUSG00000043458.6,Pcdhb12,protein_coding	0.10993811	0.38192094
ENSMUSG00000004317.15,Clcn5,protein_coding	0.10992657	0.35357559
ENSMUSG00000030930.15,Chst15,protein_coding	0.10983842	0.28004912
ENSMUSG00000032966.15,Fkbp1a,protein_coding	0.10969834	0.32226499
ENSMUSG00000030256.12,Bhlhe41,protein_coding	0.10966458	0.26775372
ENSMUSG00000034868.10,Myl12b,protein_coding	0.10964781	0.33704414
ENSMUSG00000050017.12,Pitpnb,protein_coding	0.10952849	0.10085486
ENSMUSG00000131344.1,ENSMUSG00000131344,lncRNA	0.10931673	0.64241771
ENSMUSG00000027652.16,Ralgapb,protein_coding	0.10927088	0.08257067
ENSMUSG00000021486.8,Prelid1,protein_coding	0.10925814	0.33808493
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ENSMUSG00000030816.9,Rnf40,protein_coding	0.10922256	0.22377654
ENSMUSG00000113949.2,Scamp4,protein_coding	0.10919709	0.40908183
ENSMUSG00000112466.3,Gm29674,lncRNA	0.10913257	0.77829178
ENSMUSG00000023913.18,Pla2g7,protein_coding	0.10907067	0.47774301
ENSMUSG00000045757.7,Zfp764,protein_coding	0.10902343	0.60294421
ENSMUSG00000024639.6,Gnaq,protein_coding	0.10900667	0.19176578
ENSMUSG00000002608.9,Ccdc97,protein_coding	0.10891449	0.32976648
ENSMUSG00000085436.4,Zfp335os,lncRNA	0.108908	0.50668688
ENSMUSG00000105586.2,Gm43009,TEC	0.10888211	0.50342216
ENSMUSG00000009905.6,Kdsr,protein_coding	0.10887933	0.13435396
ENSMUSG00000020297.11,Nsg2,protein_coding	0.10882971	0.48570815
ENSMUSG00000019579.14,Mydgf,protein_coding	0.10873279	0.28550118
ENSMUSG00000097726.9,9530036O11Rik,lncRNA	0.10867749	0.72037644
ENSMUSG00000025597.14,Klhl4,protein_coding	0.1086654	0.47798555
ENSMUSG00000018858.16,Mrpl58,protein_coding	0.10855453	0.30649123
ENSMUSG00000026032.9,Ndufb3,protein_coding	0.10854253	0.40846443
ENSMUSG00000102869.5,Norad,lncRNA	0.10849788	0.33504076
ENSMUSG00000033068.17,Entpd6,protein_coding	0.10847552	0.38853799
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ENSMUSG00000074781.6,Ube2n,protein_coding	0.10844764	0.28877924
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ENSMUSG00000034575.15,Tent4a,protein_coding	0.10839138	0.12824656
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ENSMUSG00000034928.17,Rnf44,protein_coding	0.10835241	0.2501134

ENSMUSG00000063179.14,Pstk,protein_coding	0.1083468	0.34134658
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ENSMUSG00000117763.3,9830166K06Rik,lncRNA	0.10818105	0.80080649
ENSMUSG00000023959.11,Clic5,protein_coding	0.10816946	0.44101801
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ENSMUSG00000002580.8,Mien1,protein_coding	0.10810924	0.44594136
ENSMUSG00000057614.7,Gnai1,protein_coding	0.10810529	0.41417768
ENSMUSG00000030737.18,Slco2b1,protein_coding	0.10810164	0.50261493
ENSMUSG00000097396.2,Gm26556,TEC	0.10806667	0.71233235
ENSMUSG00000048285.10,Frmd6,protein_coding	0.10802843	0.38736548
ENSMUSG00000097684.2,Gm26645,lncRNA	0.1079313	0.82332184
ENSMUSG00000039768.17,Dnajc11,protein_coding	0.10792387	0.20006862
ENSMUSG00000112168.3,Gm34776,lncRNA	0.10787195	0.71307247
ENSMUSG00000000326.14,Comt,protein_coding	0.10785661	0.2964941
ENSMUSG00000071528.5,Atp5mk,protein_coding	0.10772014	0.40927711
ENSMUSG00000115813.3,Gm46447,lncRNA	0.10771145	0.69707491
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ENSMUSG00000019831.15,Wasf1,protein_coding	0.1076281	0.52501865
ENSMUSG00000021250.14,Fos,protein_coding	0.10761239	0.70758951
ENSMUSG00000034940.16,Synrg,protein_coding	0.10757729	0.09980524
ENSMUSG00000026240.13,Cops7b,protein_coding	0.1075447	0.26355301
ENSMUSG00000031789.18,Cngb1,protein_coding	0.10753101	0.86929992
ENSMUSG00000057342.16,Sphk2,protein_coding	0.1075255	0.40011889
ENSMUSG00000020953.18,Coch,protein_coding	0.10752153	0.71035988
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ENSMUSG00000060601.14,Nr1h2,protein_coding	0.10742239	0.32543498
ENSMUSG00000019944.15,Rhobtb1,protein_coding	0.10735057	0.44401177
ENSMUSG00000021719.10,Rgs7bp,protein_coding	0.1073405	0.40082308
ENSMUSG00000028158.15,Mttp,protein_coding	0.10730415	0.32084575
ENSMUSG00000031723.9,Txnl4b,protein_coding	0.10726447	0.47982415
ENSMUSG00000074238.7,Ap1ar,protein_coding	0.10722125	0.17400369
ENSMUSG00000095253.5,Zfp799,protein_coding	0.10712528	0.21390597
ENSMUSG00000046470.6,Sox18,protein_coding	0.10710136	0.67520334
ENSMUSG00000020930.10,Ccdc103,protein_coding	0.10710015	0.84977491
ENSMUSG00000053483.16,Usp21,protein_coding	0.10702203	0.21576653
ENSMUSG00000075289.6,Carns1,protein_coding	0.10700189	0.53361699
ENSMUSG00000022463.9,Srebf2,protein_coding	0.10699722	0.2318057
ENSMUSG00000011256.17,Adam19,protein_coding	0.10692114	0.37890209
ENSMUSG00000027840.6,Wnt2b,protein_coding	0.10691297	0.78473362
ENSMUSG00000036030.10,Prtg,protein_coding	0.10689411	0.47380423
ENSMUSG00000074872.4,Ctxn2,protein_coding	0.10687687	0.71921898
ENSMUSG00000085793.4,Lin52,protein_coding	0.10685936	0.21576486
ENSMUSG00000034471.13,Caskin2,protein_coding	0.10682833	0.51875491
ENSMUSG00000027993.17,Trim2,protein_coding	0.10681571	0.27051479
ENSMUSG00000030880.15,Polr3e,protein_coding	0.10678198	0.36237842
ENSMUSG00000026814.17,Eng,protein_coding	0.10676286	0.46762459
ENSMUSG00000042790.17,Rnf214,protein_coding	0.10675216	0.09737941
ENSMUSG00000044469.9,Tnfaip8l1,protein_coding	0.10668629	0.6400707
ENSMUSG00000038664.17,Herc1,protein_coding	0.10665315	0.11290764

ENSMUSG00000019362.9,D8Ertd738e,protein_coding	0.10665038	0.47335704
ENSMUSG00000074715.4,Ccl28,protein_coding	0.10657363	0.74891468
ENSMUSG00000033099.11,Nol12,protein_coding	0.10656963	0.42879747
ENSMUSG00000038764.15,Ptpn3,protein_coding	0.10649277	0.4246403
ENSMUSG00000121134.2,Gm57446,lncRNA	0.10648213	0.54558141
ENSMUSG00000121697.1,ENSMUSG00000121697,lncRNA	0.10647477	0.60270235
ENSMUSG00000034258.5,Flvcr2,protein_coding	0.10646947	0.74489606
ENSMUSG00000029727.8,Cyp3a13,protein_coding	0.10640365	0.58563694
ENSMUSG00000078813.4,Leng1,protein_coding	0.10636406	0.3798279
ENSMUSG00000022856.10,Tmem41a,protein_coding	0.1063356	0.44525942
ENSMUSG00000011837.5,Snapc2,protein_coding	0.10630108	0.53710363
ENSMUSG00000058454.16,Dhcr7,protein_coding	0.10629804	0.38362946
ENSMUSG00000025153.10,Fasn,protein_coding	0.10623426	0.37393849
ENSMUSG00000003662.11,Ciao1,protein_coding	0.10622105	0.33671245
ENSMUSG00000036964.15,Trim17,protein_coding	0.10619911	0.55962699
ENSMUSG00000009293.18,Ube2g2,protein_coding	0.10618075	0.28430003
ENSMUSG00000079283.3,2310009B15Rik,protein_coding	0.10613947	0.57972007
ENSMUSG00000047583.10,Tyw3,protein_coding	0.10610521	0.30577598
ENSMUSG00000129243.1,ENSMUSG00000129243,lncRNA	0.10609487	0.78657016
ENSMUSG00000119346.1,Gm23151,snRNA	0.10608856	0.82940908
ENSMUSG00000033149.18,Phldb2,protein_coding	0.10608447	0.48869895
ENSMUSG00000028226.16,Mmp16,protein_coding	0.10607362	0.37919298
ENSMUSG00000103713.2,Gm2136,TEC	0.10599038	0.5867449
ENSMUSG00000068328.11,Aup1,protein_coding	0.1059894	0.38034076
ENSMUSG00000042138.10,Msantd2,protein_coding	0.10594252	0.35756095
ENSMUSG00000142920.1,ENSMUSG00000142920,lncRNA	0.10590895	0.78339417
ENSMUSG00000004096.10,Cwc15,protein_coding	0.10578203	0.31052896
ENSMUSG00000037254.19,Itih2,protein_coding	0.10563128	0.7867388
ENSMUSG00000056050.16,Mia3,protein_coding	0.10555453	0.16215577
ENSMUSG00000021477.10,Ctsl,protein_coding	0.10553671	0.40093767
ENSMUSG00000033308.17,Dpyd,protein_coding	0.10553484	0.43769253
ENSMUSG00000038524.14,Fchsd1,protein_coding	0.10549118	0.54806016
ENSMUSG00000004415.16,Col26a1,protein_coding	0.10535431	0.62739866
ENSMUSG00000048647.10,Exd1,protein_coding	0.10533031	0.73645293
ENSMUSG00000043284.13,Tmem11,protein_coding	0.10529101	0.39606535
ENSMUSG00000056854.5,Pou3f4,protein_coding	0.10527497	0.59989849
ENSMUSG00000038831.17,Ralgps1,protein_coding	0.10524902	0.23962195
ENSMUSG00000059475.14,Zfp426,protein_coding	0.10520267	0.20647495
ENSMUSG00000044881.8,Coa4,protein_coding	0.10515016	0.53236858
ENSMUSG00000070002.8,Ell,protein_coding	0.10514432	0.42358382
ENSMUSG00000028641.17,P3h1,protein_coding	0.10509381	0.53010841
ENSMUSG00000040410.15,Fbxl4,protein_coding	0.10508159	0.32582796
ENSMUSG00000085996.2,A830012C17Rik,lncRNA	0.10507896	0.82961749
ENSMUSG00000033147.17,Slc22a15,protein_coding	0.10506068	0.41203861
ENSMUSG00000030407.3,Qpctl,protein_coding	0.10504608	0.35261575
ENSMUSG00000041879.14,Ipo9,protein_coding	0.10500607	0.14111222
ENSMUSG00000082454.4,Gm12183,processed_pseudogene	0.10494684	0.62700689
ENSMUSG00000114860.3,Gm49291,lncRNA	0.10490668	0.58249134
ENSMUSG00000126882.1,ENSMUSG00000126882,lncRNA	0.10489685	0.4503001
ENSMUSG00000028184.14,Adgrl2,protein_coding	0.1048646	0.40716985
ENSMUSG00000040859.15,Bsdc1,protein_coding	0.10483786	0.18725119
ENSMUSG00000025142.19,Aspscr1,protein_coding	0.10478608	0.3146928

ENSMUSG00000004789.11,Dlst,protein_coding	0.10478009	0.07409142
ENSMUSG00000038708.11,Golga4,protein_coding	0.10472592	0.16558595
ENSMUSG00000138082.1,ENSMUSG00000138082,lncRNA	0.10465724	0.54990362
ENSMUSG00000002190.14,Clgn,protein_coding	0.10463723	0.45764243
ENSMUSG00000068686.14,Cd59b,protein_coding	0.10461537	0.65577118
ENSMUSG00000121153.2,Gm56986,lncRNA	0.1046084	0.75092802
ENSMUSG00000078656.12,Vps25,protein_coding	0.10452252	0.39504114
ENSMUSG00000026640.13,Plxna2,protein_coding	0.10448364	0.37584255
ENSMUSG00000044465.20,Fhip1b,protein_coding	0.1044784	0.26101788
ENSMUSG00000121789.2,A230045G11Rik,lncRNA	0.10447118	0.32327225
ENSMUSG00000029705.18,Cux1,protein_coding	0.10446224	0.26195177
ENSMUSG00000041710.5,Trpc5,protein_coding	0.1044565	0.43922835
ENSMUSG00000033948.4,Zswim5,protein_coding	0.104445	0.29109361
ENSMUSG00000073557.13,Ppp1r12b,protein_coding	0.10443294	0.33409866
ENSMUSG00000030335.7,Mrpl51,protein_coding	0.10441213	0.2585958
ENSMUSG00000020598.17,Nrcam,protein_coding	0.10438381	0.35732948
ENSMUSG00000033009.16,Ogfod1,protein_coding	0.10437594	0.35883498
ENSMUSG00000024197.11,Plin3,protein_coding	0.10436947	0.56840735
ENSMUSG00000021939.9,Ctsb,protein_coding	0.10432299	0.2348733
ENSMUSG00000115127.3,Gm46515,lncRNA	0.10430768	0.61897557
ENSMUSG00000061288.14,Taok3,protein_coding	0.10427066	0.12297377
ENSMUSG00000109812.2,Gm45640,TEC	0.10420466	0.54424965
ENSMUSG00000044072.15,Eml6,protein_coding	0.10413238	0.34187976
ENSMUSG00000039824.5,Myl6b,protein_coding	0.10411794	0.67563971
ENSMUSG00000032540.17,Abhd5,protein_coding	0.10408065	0.2769408
ENSMUSG00000022706.17,Mrpl40,protein_coding	0.1040707	0.50149293
ENSMUSG00000116534.2,Gm49731,TEC	0.10402878	0.6618584
ENSMUSG00000060657.9,Marf1,protein_coding	0.10398406	0.14022097
ENSMUSG00000034686.9,Prr7,protein_coding	0.10394642	0.65719419
ENSMUSG00000102543.6,Pcdhgc5,protein_coding	0.10383945	0.59098581
ENSMUSG00000004319.16,Clcn3,protein_coding	0.10382564	0.16225377
ENSMUSG00000136781.1,ENSMUSG00000136781,lncRNA	0.10381467	0.85069758
ENSMUSG00000110404.2,Rnf223,protein_coding	0.10381127	0.72324425
ENSMUSG00000059742.11,Kcnh7,protein_coding	0.10379387	0.64585645
ENSMUSG00000020859.18,Spag9,protein_coding	0.1037921	0.15450701
ENSMUSG00000032244.10,Fem1b,protein_coding	0.10376622	0.21905906
ENSMUSG00000104745.2,Gm43073,TEC	0.10372791	0.73223984
ENSMUSG00000120742.2,Gm56506,lncRNA	0.10367933	0.6412771
ENSMUSG00000025757.14,Hspa4l,protein_coding	0.10364679	0.23256061
ENSMUSG00000054021.7,Sirt5,protein_coding	0.10358324	0.40283586
ENSMUSG00000028182.15,Lrriq3,protein_coding	0.10344481	0.76407403
ENSMUSG00000023147.18,Get1,protein_coding	0.10340688	0.28757408
ENSMUSG00000001289.13,Pfdn5,protein_coding	0.10340509	0.45391339
ENSMUSG00000085438.4,Oip5os1,lncRNA	0.10339491	0.3826457
ENSMUSG00000002524.18,Puf60,protein_coding	0.10337525	0.23593513
ENSMUSG00000090150.11,Acad11,protein_coding	0.10336441	0.19112236
ENSMUSG00000041141.8,Pnma8a,protein_coding	0.10336244	0.54738099
ENSMUSG00000032336.19,Nptn,protein_coding	0.10336175	0.38032617
ENSMUSG00000063646.19,Jakmip1,protein_coding	0.10328895	0.51547947
ENSMUSG00000028973.19,Abcb8,protein_coding	0.10326144	0.3842623
ENSMUSG00000002250.17,Ppard,protein_coding	0.10325138	0.38947855
ENSMUSG00000003731.14,Kpna6,protein_coding	0.10320979	0.13867502

ENSMUSG00000027573.12,Gid8,protein_coding	0.10320345	0.22446164
ENSMUSG00000045136.7,Tubb2b,protein_coding	0.10320221	0.28743952
ENSMUSG00000037643.15,Prkci,protein_coding	0.10318882	0.26864738
ENSMUSG00000019055.16,Plod1,protein_coding	0.10316058	0.35511428
ENSMUSG00000038630.9,Zkscan16,protein_coding	0.10314352	0.52761468
ENSMUSG00000026427.17,Eif2d,protein_coding	0.10312152	0.2197731
ENSMUSG00000028437.15,Ubap1,protein_coding	0.10311498	0.17546242
ENSMUSG00000020109.14,Dnajb12,protein_coding	0.10310131	0.22884836
ENSMUSG00000001105.16,Ift20,protein_coding	0.10306635	0.35104233
ENSMUSG00000105395.2,Gm42672,processed_pseudogene	0.10303671	0.61713635
ENSMUSG00000031732.13,Phlpp2,protein_coding	0.10303377	0.2661769
ENSMUSG00000110088.2,Gm45343,TEC	0.10303156	0.60948924
ENSMUSG00000040731.14,Eif4h,protein_coding	0.10298499	0.17824536
ENSMUSG00000070953.14,Rabepk,protein_coding	0.10294225	0.32325576
ENSMUSG00000047473.15,Zfp30,protein_coding	0.10290888	0.2409166
ENSMUSG00000041658.13,Rragb,protein_coding	0.1028187	0.40225075
ENSMUSG00000026674.10,Ddr2,protein_coding	0.10280784	0.53836754
ENSMUSG00000014313.16,Cox6c,protein_coding	0.10275345	0.32928813
ENSMUSG00000055805.16,Fmnl1,protein_coding	0.10272074	0.50969559
ENSMUSG00000113070.2,Gm48420,lncRNA	0.1026849	0.63522282
ENSMUSG00000052423.16,B4galt3,protein_coding	0.10257003	0.25118267
ENSMUSG00000023009.15,Nckap5l,protein_coding	0.10254104	0.51294978
ENSMUSG00000000168.11,Dlat,protein_coding	0.10253622	0.18900892
ENSMUSG00000033705.18,Stard9,protein_coding	0.10251987	0.37088326
ENSMUSG00000026260.13,Ndufa10,protein_coding	0.10251751	0.26511601
ENSMUSG00000038290.16,Smg6,protein_coding	0.10249008	0.14564705
ENSMUSG00000026812.17,Tsc1,protein_coding	0.10238803	0.17353649
ENSMUSG00000028039.12,Efna3,protein_coding	0.10235415	0.61171961
ENSMUSG00000105530.2,Gm43829,TEC	0.10231787	0.61070711
ENSMUSG00000109909.2,Gm45663,TEC	0.10231563	0.61017532
ENSMUSG00000063063.13,Ctnna2,protein_coding	0.10220132	0.33618073
ENSMUSG00000036270.17,Edc4,protein_coding	0.10218426	0.25294082
ENSMUSG00000018395.20,Kif3a,protein_coding	0.10206702	0.31982557
ENSMUSG00000018476.8,Kdm6b,protein_coding	0.10205825	0.38677576
ENSMUSG00000132257.1,ENSMUSG00000132257,lncRNA	0.10199595	0.93457046
ENSMUSG00000020472.15,Zkscan17,protein_coding	0.10196148	0.47475576
ENSMUSG00000027070.15,Lrp2,protein_coding	0.10190307	0.82817054
ENSMUSG00000026768.11,Itga8,protein_coding	0.10184872	0.67735736
ENSMUSG00000042797.10,Aqp11,protein_coding	0.10177977	0.54559489
ENSMUSG00000020758.16,Itgb4,protein_coding	0.10168531	0.48899604
ENSMUSG00000048794.15,Cfap100,protein_coding	0.1015657	0.70078993
ENSMUSG00000131121.1,ENSMUSG00000131121,lncRNA	0.10155847	0.6866297
ENSMUSG00000037166.6,Ppp1r14a,protein_coding	0.10149552	0.67414782
ENSMUSG00000031446.15,Cul4a,protein_coding	0.10146011	0.14097762
ENSMUSG00000021694.19,Ercc8,protein_coding	0.10142025	0.37120466
ENSMUSG00000036510.18,Cdh8,protein_coding	0.10138194	0.43215333
ENSMUSG00000078317.7,F8a,protein_coding	0.10134823	0.47558059
ENSMUSG00000041220.11,Elovl6,protein_coding	0.10134325	0.24952188
ENSMUSG00000035757.18,Selenoo,protein_coding	0.10128378	0.31279315
ENSMUSG00000001942.9,Siae,protein_coding	0.10128068	0.30588107
ENSMUSG00000018415.15,Gid4,protein_coding	0.10119695	0.10545293
ENSMUSG00000047824.14,Pygo2,protein_coding	0.10115131	0.35279206

ENSMUSG00000051855.16,Mest,protein_coding	0.10109605	0.48633598
ENSMUSG00000101225.3,1700008J07Rik,lncRNA	0.10107702	0.63718667
ENSMUSG00000039062.16,Anpep,protein_coding	0.10105826	0.71355032
ENSMUSG00000069072.10,Slc7a14,protein_coding	0.10100559	0.3155341
ENSMUSG00000009828.16,Cilk1,protein_coding	0.10099455	0.32035017
ENSMUSG00000071723.8,Gspt2,protein_coding	0.10098726	0.38539383
ENSMUSG00000072845.4,Tmprss11a,protein_coding	0.10096056	0.84841907
ENSMUSG00000020111.17,Micu1,protein_coding	0.10090471	0.19316554
ENSMUSG00000028399.19,Ptprd,protein_coding	0.10090372	0.30578147
ENSMUSG00000032625.15,Thsd7a,protein_coding	0.10089592	0.37479599
ENSMUSG00000045498.2,Pcdhb3,protein_coding	0.10083123	0.57194767
ENSMUSG00000036334.13,Igsf10,protein_coding	0.10082754	0.62556325
ENSMUSG00000035847.16,Ids,protein_coding	0.10081741	0.40136029
ENSMUSG00000022525.14,Plaat1,protein_coding	0.10081619	0.55439546
ENSMUSG00000109434.2,Gm44937,TEC	0.10080307	0.76804229
ENSMUSG00000063558.5,Aox1,protein_coding	0.10076724	0.54373894
ENSMUSG00000026135.18,Zfp142,protein_coding	0.10072603	0.22104001
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ENSMUSG00000022536.15,Glyr1,protein_coding	0.10068587	0.1061307
ENSMUSG00000022031.7,Elp3,protein_coding	0.10063408	0.268631
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ENSMUSG00000024220.15,Zfp523,protein_coding	0.10052491	0.41731333
ENSMUSG00000032492.15,Pth1r,protein_coding	0.10052482	0.65780752
ENSMUSG00000025786.18,Zdhhc3,protein_coding	0.10043011	0.07425714
ENSMUSG00000129100.1,ENSMUSG00000129100,lncRNA	0.10042089	0.49052599
ENSMUSG00000074171.3,Gm6658,TEC	0.10037963	0.73386114
ENSMUSG00000004099.17,Dnmt1,protein_coding	0.10031375	0.27074997
ENSMUSG00000015305.7,Sash1,protein_coding	0.10030385	0.24204441
ENSMUSG00000018326.10,Ywhab,protein_coding	0.10029318	0.28806441
ENSMUSG00000039982.9,Dtx4,protein_coding	0.10024051	0.2183682
ENSMUSG00000049119.15,Fam110b,protein_coding	0.10022658	0.35428161
ENSMUSG00000002799.7,Jag2,protein_coding	0.10021203	0.56962188
ENSMUSG00000032875.9,Arhgef17,protein_coding	0.10020151	0.52566027
ENSMUSG00000042425.19,Frmpd3,protein_coding	0.10018291	0.60339281
ENSMUSG00000020448.17,Rnf185,protein_coding	0.10017526	0.20389639
ENSMUSG00000032187.17,Smarca4,protein_coding	0.10015287	0.24273746
ENSMUSG00000019854.18,Reps1,protein_coding	0.10012327	0.18862335
ENSMUSG00000072623.7,Zfp9,protein_coding	0.10004231	0.33835133
ENSMUSG00000109150.2,Gm45793,TEC	0.10002034	0.76564524
ENSMUSG00000022987.13,Zfp641,protein_coding	0.09998862	0.34035581
ENSMUSG00000000776.14,Polr3d,protein_coding	0.09991466	0.3419126
ENSMUSG00000001229.10,Dpp9,protein_coding	0.09985407	0.23347256
ENSMUSG00000006711.16,D130043K22Rik,protein_coding	0.09977149	0.57033554
ENSMUSG00000029009.18,Mthfr,protein_coding	0.09975601	0.44437887
ENSMUSG00000030538.16,Cib1,protein_coding	0.09973586	0.65637399
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ENSMUSG00000034235.18,Usp54,protein_coding	0.09967612	0.22607519
ENSMUSG00000023460.15,Rab12,protein_coding	0.09962865	0.23222756
ENSMUSG00000028613.16,Lrp8,protein_coding	0.09954795	0.29877517
ENSMUSG00000027303.19,Ptpra,protein_coding	0.09951079	0.1805606
ENSMUSG00000072847.6,A530017D24Rik,lncRNA	0.09948928	0.35392208
ENSMUSG00000038402.3,Foxf2,protein_coding	0.09948647	0.60681538

ENSMUSG00000042097.18,Zfp239,protein_coding	0.09946522	0.34882816
ENSMUSG00000005625.16,Psmd4,protein_coding	0.09940423	0.39590474
ENSMUSG00000026834.14,Acvr1c,protein_coding	0.09932472	0.83012562
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ENSMUSG00000070880.11,Gad1,protein_coding	0.09918411	0.44223361
ENSMUSG00000028398.9,Dmac1,protein_coding	0.09918079	0.54369738
ENSMUSG00000041040.13,Fam117b,protein_coding	0.09917407	0.19011108
ENSMUSG00000063439.8,B9d2,protein_coding	0.09913813	0.6552251
ENSMUSG00000000197.9,Nalcn,protein_coding	0.09911187	0.3237953
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ENSMUSG00000032553.15,Srprb,protein_coding	0.09905326	0.32837589
ENSMUSG00000115568.2,Tiaf2,TEC	0.0990514	0.49396702
ENSMUSG00000023952.14,Gtpbp2,protein_coding	0.09901074	0.26593006
ENSMUSG00000103567.2,Pcdhga5,protein_coding	0.09897325	0.39208723
ENSMUSG00000026307.13,Scly,protein_coding	0.09894289	0.45885333
ENSMUSG00000111271.2,Gm48127,lncRNA	0.09892239	0.73308897
ENSMUSG00000068663.15,Clec16a,protein_coding	0.09889758	0.21608987
ENSMUSG00000040003.19,Magi2,protein_coding	0.09888532	0.35320525
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ENSMUSG00000037415.8,Ranbp10,protein_coding	0.09882679	0.25012644
ENSMUSG00000046160.7,Olig1,protein_coding	0.09882253	0.26455522
ENSMUSG00000025192.14,Entpd7,protein_coding	0.09881318	0.21030806
ENSMUSG00000020918.15,Kat2a,protein_coding	0.09874505	0.39298183
ENSMUSG00000036114.4,Rpp25l,protein_coding	0.09873104	0.63655646
ENSMUSG00000026213.16,Stk11ip,protein_coding	0.09868425	0.29507302
ENSMUSG00000106855.2,5330437M03Rik,TEC	0.09866817	0.74231298
ENSMUSG00000127043.1,ENSMUSG00000127043,lncRNA	0.09858884	0.70319858
ENSMUSG00000015468.15,Notch4,protein_coding	0.09854406	0.59431906
ENSMUSG00000002103.17,Acp2,protein_coding	0.09853282	0.19261691
ENSMUSG00000107096.5,Gm43597,lncRNA	0.0985195	0.44933906
ENSMUSG00000040913.12,Fbxw4,protein_coding	0.09848645	0.48956747
ENSMUSG00000042202.16,Slc35e2,protein_coding	0.09847121	0.1232291
ENSMUSG00000078967.6,Gapdh-ps16,processed_pseudogene	0.09843963	0.79440547
ENSMUSG00000058594.16,Fbh1,protein_coding	0.09843727	0.20552099
ENSMUSG00000041417.16,Pik3r1,protein_coding	0.09841566	0.17077096
ENSMUSG00000074093.5,Svip,protein_coding	0.09834562	0.32485712
ENSMUSG00000074646.12,6430550D23Rik,protein_coding	0.0982837	0.74889643
ENSMUSG00000033722.10,BC034090,protein_coding	0.09827892	0.55399534
ENSMUSG00000042743.14,Sgtb,protein_coding	0.09825321	0.54860299
ENSMUSG00000107090.3,Gm42884,lncRNA	0.09822332	0.69372177
ENSMUSG00000047417.19,Rexo1,protein_coding	0.09812435	0.33595908
ENSMUSG00000006127.10,Inpp5k,protein_coding	0.09801581	0.17609472
ENSMUSG00000025911.15,Adhfe1,protein_coding	0.09794236	0.45812984
ENSMUSG00000032705.10,Exd2,protein_coding	0.0979259	0.43307287
ENSMUSG00000031924.5,Cyb5b,protein_coding	0.09792123	0.17394177
ENSMUSG00000105112.2,Gm42778,TEC	0.09781781	0.6938871
ENSMUSG00000024947.18,Men1,protein_coding	0.09778403	0.44008646
ENSMUSG00000022680.15,Pdxdc1,protein_coding	0.09778339	0.29825045
ENSMUSG00000085408.4,C530005A16Rik,lncRNA	0.09770505	0.53163555
ENSMUSG00000005907.15,Pex1,protein_coding	0.09759981	0.31067911
ENSMUSG00000029669.15,Tspan12,protein_coding	0.09754338	0.58307074
ENSMUSG00000028064.18,Sema4a,protein_coding	0.09749035	0.57170347

ENSMUSG00000008604.12,Ubqln4,protein_coding	0.09748928	0.29854096
ENSMUSG00000059970.8,Hspa2,protein_coding	0.09747436	0.64185393
ENSMUSG00000112280.2,A830082N09Rik,lncRNA	0.09744175	0.40106793
ENSMUSG00000106498.2,Gm43032,TEC	0.09739732	0.66993424
ENSMUSG00000052557.12,Gan,protein_coding	0.09736109	0.1384915
ENSMUSG00000009681.11,Bcr,protein_coding	0.09730322	0.46656507
ENSMUSG00000072437.5,Nanos1,protein_coding	0.09729495	0.43472795
ENSMUSG00000106432.2,Gm43259,lncRNA	0.09721702	0.66383157
ENSMUSG00000027430.13,Dtd1,protein_coding	0.09715898	0.52038128
ENSMUSG00000037852.9,Cpe,protein_coding	0.09715465	0.40763435
ENSMUSG00000029104.16,Htt,protein_coding	0.09714031	0.12375144
ENSMUSG00000050914.17,Ankrd37,protein_coding	0.09709515	0.62882283
ENSMUSG00000141980.1,ENSMUSG00000141980,lncRNA	0.09707222	0.692247
ENSMUSG00000070604.6,Vsig10l,protein_coding	0.09702285	0.75182525
ENSMUSG00000073725.9,Lmbrd1,protein_coding	0.09699392	0.2545635
ENSMUSG00000014353.16,Tmem87b,protein_coding	0.09697011	0.24226902
ENSMUSG00000103552.2,Gm38217,TEC	0.09692482	0.65708582
ENSMUSG00000037259.16,Dzank1,protein_coding	0.09681425	0.52317311
ENSMUSG00000000134.18,Tfe3,protein_coding	0.09672522	0.24189505
ENSMUSG00000057604.10,Lmcd1,protein_coding	0.09670475	0.61231962
ENSMUSG00000059173.21,Pde1a,protein_coding	0.09669973	0.61176974
ENSMUSG00000024027.9,Glp1r,protein_coding	0.09665386	0.79484273
ENSMUSG00000043384.16,Gprasp1,protein_coding	0.09662485	0.42348632
ENSMUSG00000024571.16,Naa12,protein_coding	0.0965966	0.33603431
ENSMUSG00000037754.14,Ppp1r16b,protein_coding	0.09656643	0.24097093
ENSMUSG00000032482.10,Cspg5,protein_coding	0.09656615	0.48125442
ENSMUSG00000058159.15,T2,protein_coding	0.09654034	0.8327853
ENSMUSG00000026111.16,Unc50,protein_coding	0.09652981	0.42979398
ENSMUSG00000076432.14,Ywhaq,protein_coding	0.09649106	0.26401363
ENSMUSG00000040721.10,Zfhx2,protein_coding	0.09646012	0.54924065
ENSMUSG00000103770.2,Pcdha9,protein_coding	0.09642953	0.69097358
ENSMUSG00000047495.16,Dlgap2,protein_coding	0.09642457	0.67242955
ENSMUSG00000102564.3,Gm37035,lncRNA	0.0964226	0.61235088
ENSMUSG00000096014.2,Sox1,protein_coding	0.09635737	0.46414146
ENSMUSG00000023030.17,Slc11a2,protein_coding	0.09631979	0.30197544
ENSMUSG00000045515.5,Pou3f3,protein_coding	0.0963151	0.41090922
ENSMUSG00000028468.16,Rgp1,protein_coding	0.09631036	0.27726227
ENSMUSG00000087385.9,Frg2f1,protein_coding	0.09627922	0.44894961
ENSMUSG00000036764.13,Dnajc12,protein_coding	0.09625704	0.55439634
ENSMUSG00000006736.10,Tspan31,protein_coding	0.09621057	0.34796116
ENSMUSG00000024427.8,Spry4,protein_coding	0.0961889	0.53492985
ENSMUSG00000043683.5,Fem1a,protein_coding	0.09612327	0.20763398
ENSMUSG00000007646.14,Rad51c,protein_coding	0.09609948	0.59293936
ENSMUSG00000014077.14,Chp1,protein_coding	0.09607749	0.35493873
ENSMUSG00000022394.15,L3mbtl2,protein_coding	0.09606521	0.38176188
ENSMUSG00000028603.16,Scp2,protein_coding	0.09606262	0.282531
ENSMUSG00000021178.10,Psmc1,protein_coding	0.09605042	0.35284153
ENSMUSG00000070476.11,Fam217b,protein_coding	0.09597898	0.47937996
ENSMUSG00000020538.16,Srebf1,protein_coding	0.09593792	0.50920391
ENSMUSG00000036046.15,5031439G07Rik,protein_coding	0.09589072	0.38724254
ENSMUSG00000004994.13,Yju2b,protein_coding	0.09586247	0.4810026
ENSMUSG00000050063.19,Klk6,protein_coding	0.09578459	0.71837636

ENSMUSG00000026463.18,Atp2b4,protein_coding	0.09574268	0.44982991
ENSMUSG00000036955.17,Kifbp,protein_coding	0.09565171	0.32277786
ENSMUSG00000031997.10,Trpc6,protein_coding	0.09563222	0.718811
ENSMUSG00000001175.17,Calm1,protein_coding	0.09563166	0.39120952
ENSMUSG00000048022.12,Tmem229a,protein_coding	0.09562078	0.40057236
ENSMUSG00000140913.1,ENSMUSG00000140913,lncRNA	0.09561175	0.81968532
ENSMUSG00000025485.14,Ric8a,protein_coding	0.09558245	0.30132598
ENSMUSG00000021395.12,Spin1,protein_coding	0.0955714	0.34039848
ENSMUSG00000038181.17,Chpf2,protein_coding	0.09556348	0.47227305
ENSMUSG00000036980.14,Taf6,protein_coding	0.09555654	0.31494427
ENSMUSG00000037341.15,Slc9a7,protein_coding	0.09553265	0.28136891
ENSMUSG00000029713.16,Gnb2,protein_coding	0.09549476	0.43284524
ENSMUSG00000036093.8,Arl5a,protein_coding	0.09541457	0.38453685
ENSMUSG00000005609.17,Ctr9,protein_coding	0.09540616	0.17741942
ENSMUSG00000042632.18,Pla2g6,protein_coding	0.09533982	0.43674082
ENSMUSG00000020477.11,Mrps24,protein_coding	0.09529982	0.52054572
ENSMUSG00000010175.14,Prox1,protein_coding	0.09527165	0.51521277
ENSMUSG00000041936.19,Agrn,protein_coding	0.09526712	0.46878192
ENSMUSG00000042650.4,Alkbh5,protein_coding	0.09521634	0.21077257
ENSMUSG00000028556.16,Dock7,protein_coding	0.09514682	0.16567379
ENSMUSG00000027636.12,Sla2,protein_coding	0.09511767	0.89519654
ENSMUSG00000036062.14,Phf24,protein_coding	0.09502539	0.59182827
ENSMUSG00000021338.18,Carmil1,protein_coding	0.09495069	0.2431046
ENSMUSG00000059213.8,Ddn,protein_coding	0.0949101	0.70009476
ENSMUSG00000043483.5,Gm6863,processed_pseudogene	0.09487491	0.76610107
ENSMUSG00000026869.13,Psmd5,protein_coding	0.0948697	0.286757
ENSMUSG00000014959.13,Gorasp2,protein_coding	0.09476793	0.24207234
ENSMUSG00000096988.3,A930029G22Rik,lncRNA	0.09472012	0.61745015
ENSMUSG00000032279.12,Idh3a,protein_coding	0.0946659	0.32246077
ENSMUSG00000021180.10,Rps6ka5,protein_coding	0.09462828	0.37554348
ENSMUSG00000076498.3,Trbc2,TR_C_gene	0.09458721	0.76824314
ENSMUSG00000024831.15,Ighmbp2,protein_coding	0.09457404	0.50096066
ENSMUSG00000084381.2,AA413626,processed_pseudogene	0.09455665	0.78936509
ENSMUSG00000039959.14,Hip1,protein_coding	0.09447832	0.28468266
ENSMUSG00000010797.7,Wnt2,protein_coding	0.09447664	0.76975857
ENSMUSG00000017210.15,Med24,protein_coding	0.0944604	0.30332697
ENSMUSG00000058492.7,Scp2-ps2,transcribed_unprocessed_pseudogene	0.09444043	0.91952884
ENSMUSG00000039086.10,Ss18l1,protein_coding	0.09440071	0.35901478
ENSMUSG00000029406.16,Pitpnm2,protein_coding	0.09438169	0.54233263
ENSMUSG00000018800.15,Abca5,protein_coding	0.09436685	0.36865166
ENSMUSG00000041268.18,Dmxl2,protein_coding	0.09435669	0.31193747
ENSMUSG00000113610.2,Gm47132,TEC	0.09433934	0.66423605
ENSMUSG00000000605.10,Clcn4,protein_coding	0.09424858	0.3119251
ENSMUSG00000140031.1,ENSMUSG00000140031,lncRNA	0.09423317	0.85607886
ENSMUSG00000132424.1,ENSMUSG00000132424,lncRNA	0.09419886	0.77478186
ENSMUSG00000097386.3,9130213A22Rik,lncRNA	0.09417794	0.80058922
ENSMUSG00000079469.12,Pigb,protein_coding	0.09409949	0.34095186
ENSMUSG00000025040.14,Fundc1,protein_coding	0.0940942	0.4523391
ENSMUSG00000040836.16,Gpr161,protein_coding	0.09409288	0.46400931
ENSMUSG00000030796.18,Tead2,protein_coding	0.09406956	0.72038742
ENSMUSG00000027865.11,Gdap2,protein_coding	0.0940601	0.24618615
ENSMUSG00000024240.14,Epc1,protein_coding	0.09400686	0.36894644

ENSMUSG00000046994.10,Mars2,protein_coding	0.09397368	0.42584882
ENSMUSG00000026966.7,Ssna1,protein_coding	0.09396192	0.58453004
ENSMUSG00000097884.2,Gm26543,lncRNA	0.09393002	0.70839152
ENSMUSG00000032417.11,Rwdd2a,protein_coding	0.09392863	0.666144
ENSMUSG00000028618.12,Tmem59,protein_coding	0.09390209	0.28742032
ENSMUSG00000028851.7,Nudc,protein_coding	0.09389851	0.27338513
ENSMUSG00000048307.9,Ankrd46,protein_coding	0.09385278	0.25681365
ENSMUSG00000115232.2,Gm49378,protein_coding	0.09385071	0.75640606
ENSMUSG00000108297.2,Gm44167,lncRNA	0.09380904	0.60628746
ENSMUSG00000036968.16,Cnpy4,protein_coding	0.09380398	0.46650314
ENSMUSG00000022193.8,Psmb5,protein_coding	0.09380068	0.6243621
ENSMUSG00000019947.11,Arid5b,protein_coding	0.09378139	0.25872448
ENSMUSG00000050556.10,Kcnb1,protein_coding	0.09376813	0.6071008
ENSMUSG00000100583.8,Gm29443,lncRNA	0.09376714	0.67540595
ENSMUSG00000105700.2,Gm42772,TEC	0.09373488	0.71034257
ENSMUSG00000035900.19,Gramd4,protein_coding	0.0937034	0.29590887
ENSMUSG00000018572.11,Phf23,protein_coding	0.09369866	0.38129574
ENSMUSG00000039771.14,Polr2j,protein_coding	0.09365873	0.58439932
ENSMUSG00000022191.17,Drosha,protein_coding	0.0935982	0.2349322
ENSMUSG00000035382.10,Pcsk7,protein_coding	0.09352539	0.39634644
ENSMUSG00000120053.2,1700064N11Rik,lncRNA	0.09350192	0.65014666
ENSMUSG00000113710.3,Gm38577,lncRNA	0.09346107	0.84240193
ENSMUSG00000038302.15,Afg1l,protein_coding	0.09345978	0.49234018
ENSMUSG00000047881.15,Rell1,protein_coding	0.09343499	0.41599918
ENSMUSG00000038520.16,Tbc1d17,protein_coding	0.09343341	0.41156652
ENSMUSG00000037339.18,Fam53a,protein_coding	0.09337836	0.30898682
ENSMUSG00000102234.3,Gm37885,lncRNA	0.09332312	0.73420795
ENSMUSG00000085730.9,Gm13307,lncRNA	0.09328573	0.66282291
ENSMUSG00000029838.12,Ptn,protein_coding	0.09324568	0.4247341
ENSMUSG00000030340.17,Scnn1a,protein_coding	0.09311839	0.77625864
ENSMUSG00000003208.10,Yju2,protein_coding	0.09311152	0.41239733
ENSMUSG00000042535.10,Gtpbp1,protein_coding	0.09305056	0.32766835
ENSMUSG00000071234.4,Syndig1l,protein_coding	0.09301333	0.72119309
ENSMUSG00000033352.12,Map2k4,protein_coding	0.09298187	0.30012242
ENSMUSG00000022235.16,Cmbl,protein_coding	0.09297826	0.67886296
ENSMUSG00000044317.8,Gpr4,protein_coding	0.09295909	0.82941902
ENSMUSG00000001999.16,Blvra,protein_coding	0.09295746	0.54510236
ENSMUSG00000017132.19,Cyth1,protein_coding	0.09295742	0.28561235
ENSMUSG00000053574.6,4930563E22Rik,protein_coding	0.09293447	0.63794339
ENSMUSG00000024816.13,Frmd8,protein_coding	0.09288953	0.53816698
ENSMUSG00000038623.10,Tm6sf1,protein_coding	0.09286452	0.4201033
ENSMUSG00000029442.20,Cfap251,protein_coding	0.09277213	0.69354494
ENSMUSG00000098097.10,6530403H02Rik,lncRNA	0.09277007	0.72880964
ENSMUSG00000038845.12,Phb1,protein_coding	0.0927508	0.50960081
ENSMUSG00000090069.5,E430024P14Rik,lncRNA	0.09274748	0.61558827
ENSMUSG00000034593.17,Myo5a,protein_coding	0.09273551	0.26357286
ENSMUSG00000051510.14,Mafg,protein_coding	0.09273275	0.38952853
ENSMUSG00000091985.2,Gm17354,lncRNA	0.09271751	0.52973699
ENSMUSG00000033857.13,Engase,protein_coding	0.09270966	0.61630488
ENSMUSG00000027488.13,Snta1,protein_coding	0.09265757	0.46974131
ENSMUSG00000006731.11,B4galnt1,protein_coding	0.09248112	0.32854569
ENSMUSG00000009733.10,Tfcp2,protein_coding	0.09243882	0.35240617

ENSMUSG00000054499.10,Dedd2,protein_coding	0.09229013	0.41206878
ENSMUSG00000050796.5,B3galt6,protein_coding	0.09222165	0.56986618
ENSMUSG00000021501.5,Caml,protein_coding	0.09221437	0.41146795
ENSMUSG00000097316.4,Gm10516,lncRNA	0.09220969	0.55669319
ENSMUSG00000028114.17,Mettl14,protein_coding	0.09213692	0.35062745
ENSMUSG00000135641.1,ENSMUSG00000135641,lncRNA	0.09212365	0.75002188
ENSMUSG00000055681.15,Cope,protein_coding	0.09207131	0.39874752
ENSMUSG00000028411.16,Aptx,protein_coding	0.09204181	0.2818829
ENSMUSG00000025656.18,Arhgef9,protein_coding	0.09202063	0.516059
ENSMUSG00000038459.11,Abhd17c,protein_coding	0.09201699	0.35703509
ENSMUSG00000110827.3,Gm32281,lncRNA	0.09201352	0.69849227
ENSMUSG00000026077.16,Npas2,protein_coding	0.09199713	0.65508546
ENSMUSG00000040560.11,Wdr7,protein_coding	0.09196371	0.28082238
ENSMUSG00000107997.2,Gm44243,TEC	0.09193518	0.65987016
ENSMUSG00000120380.2,Gm56636,lncRNA	0.09191721	0.77517011
ENSMUSG00000105568.2,Gm42971,TEC	0.09190103	0.71821841
ENSMUSG00000034037.15,Fgd5,protein_coding	0.09188139	0.59909848
ENSMUSG00000039501.15,Znfx1,protein_coding	0.09183696	0.31603464
ENSMUSG00000010047.13,Hyal2,protein_coding	0.09179913	0.64300561
ENSMUSG00000049299.15,Trappc1,protein_coding	0.09179554	0.55681932
ENSMUSG00000102771.2,Gm33320,TEC	0.09179376	0.78640111
ENSMUSG00000005262.14,Ufd1,protein_coding	0.09177652	0.25221366
ENSMUSG00000045312.13,Lhfpl2,protein_coding	0.09176566	0.41831791
ENSMUSG00000078974.11,Sec61g,protein_coding	0.09171668	0.51360261
ENSMUSG00000115333.3,Gm34590,lncRNA	0.09171544	0.74801368
ENSMUSG00000106818.2,Gm43790,TEC	0.09170608	0.62934558
ENSMUSG00000035093.17,Secisbp2l,protein_coding	0.09170072	0.16283001
ENSMUSG00000025377.15,Tepsin,protein_coding	0.09169965	0.47921884
ENSMUSG00000022391.17,Rangap1,protein_coding	0.0916748	0.45258618
ENSMUSG00000050973.12,Gdpgp1,protein_coding	0.09162654	0.42843478
ENSMUSG00000107085.2,Gm42883,processed_pseudogene	0.09160328	0.78321273
ENSMUSG00000025354.6,Dnajc14,protein_coding	0.09149968	0.1862465
ENSMUSG00000107976.2,Gm44043,TEC	0.0914775	0.63887935
ENSMUSG00000029173.13,Sepsecs,protein_coding	0.09145705	0.36372205
ENSMUSG00000053877.14,Srcap,protein_coding	0.09138533	0.29805076
ENSMUSG00000032009.9,Sesn3,protein_coding	0.09138478	0.32777889
ENSMUSG00000025870.11,Arl10,protein_coding	0.09137689	0.68404275
ENSMUSG00000040490.5,Lrfn2,protein_coding	0.09136501	0.63086309
ENSMUSG00000036298.11,Slc2a13,protein_coding	0.0913577	0.55483014
ENSMUSG00000047022.19,Mipol1,protein_coding	0.09134215	0.35375653
ENSMUSG00000037624.17,Kcnk2,protein_coding	0.09133553	0.61405248
ENSMUSG00000071659.5,Hnrnpul2,protein_coding	0.09124041	0.10517887
ENSMUSG00000052915.15,Msl1,protein_coding	0.09120038	0.21083798
ENSMUSG00000032311.18,Nrg4,protein_coding	0.09119309	0.68876859
ENSMUSG00000025173.14,Wdr45b,protein_coding	0.09112342	0.20144291
ENSMUSG00000037788.15,Vopp1,protein_coding	0.09105185	0.51022997
ENSMUSG00000104950.2,4833413G10Rik,lncRNA	0.09092336	0.53163054
ENSMUSG00000005683.9,Cs,protein_coding	0.09091293	0.18157551
ENSMUSG00000056486.19,Chn1,protein_coding	0.09090534	0.65916114
ENSMUSG00000006058.11,Snf8,protein_coding	0.09089033	0.49335997
ENSMUSG00000046999.3,1110032F04Rik,protein_coding	0.09087815	0.7339926
ENSMUSG00000021765.10,Fst,protein_coding	0.09085836	0.82786732

ENSMUSG00000033578.8,Tmem35a,protein_coding	0.0908432	0.35691479
ENSMUSG00000030854.18,Ptpn5,protein_coding	0.09082324	0.66636418
ENSMUSG00000026678.11,Rgs5,protein_coding	0.09081688	0.37812826
ENSMUSG00000106553.2,6720482G16Rik,TEC	0.09076243	0.86060307
ENSMUSG00000107106.2,Gm43760,TEC	0.09076022	0.69980535
ENSMUSG00000024269.12,Tpgs2,protein_coding	0.09073465	0.42524085
ENSMUSG00000136128.1,ENSMUSG00000136128,lncRNA	0.09072263	0.8170384
ENSMUSG00000027324.2,Rpusd2,protein_coding	0.09068072	0.53613284
ENSMUSG00000040365.15,Trim41,protein_coding	0.09067392	0.27476459
ENSMUSG00000058444.9,Map2k5,protein_coding	0.09066698	0.30960898
ENSMUSG00000021400.9,Wrnip1,protein_coding	0.09056135	0.22259025
ENSMUSG00000105895.2,Gm42829,lncRNA	0.09056069	0.58666532
ENSMUSG00000137749.1,ENSMUSG00000137749,lncRNA	0.09049494	0.73885233
ENSMUSG00000060862.11,Zbtb40,protein_coding	0.09045534	0.43357084
ENSMUSG00000008307.12,1700109H08Rik,protein_coding	0.09031195	0.54309936
ENSMUSG00000114369.4,Gm41077,lncRNA	0.09024462	0.69904718
ENSMUSG00000112945.3,Gm32151,lncRNA	0.09012764	0.61013147
ENSMUSG00000022159.17,Rab2b,protein_coding	0.0900834	0.1948662
ENSMUSG00000001082.13,Mfsd10,protein_coding	0.09000462	0.55539049
ENSMUSG00000022973.19,Synj1,protein_coding	0.08990907	0.4102592
ENSMUSG00000066036.15,Ubr4,protein_coding	0.08985773	0.26701656
ENSMUSG00000107033.2,Gm43553,TEC	0.08980734	0.7935512
ENSMUSG00000026080.15,Chst10,protein_coding	0.08979119	0.10910883
ENSMUSG00000113165.3,Gm47863,lncRNA	0.08977039	0.63986702
ENSMUSG00000105597.2,4633401B06Rik,TEC	0.0897619	0.67002826
ENSMUSG00000030780.16,Rusf1,protein_coding	0.08972125	0.35315196
ENSMUSG00000020745.16,Pafah1b1,protein_coding	0.08970282	0.3272586
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ENSMUSG00000006241.17,Ccdc159,protein_coding	0.08967498	0.69088371
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ENSMUSG00000048058.18,Ldlrad3,protein_coding	0.08962076	0.44135037
ENSMUSG00000038007.15,Acer2,protein_coding	0.08959876	0.71376301
ENSMUSG00000036158.13,Prickle1,protein_coding	0.0895619	0.62781799
ENSMUSG00000029119.10,Man2b2,protein_coding	0.0895347	0.58465163
ENSMUSG00000130727.1,ENSMUSG00000130727,lncRNA	0.08950478	0.69700356
ENSMUSG00000022400.10,Rbx1,protein_coding	0.08948924	0.21097637
ENSMUSG00000022790.15,Igsf11,protein_coding	0.0894472	0.48144477
ENSMUSG00000056966.8,Gjc3,protein_coding	0.08943539	0.48223
ENSMUSG00000019039.15,Dalrd3,protein_coding	0.08943313	0.48338381
ENSMUSG00000026036.18,Nif3l1,protein_coding	0.0894102	0.40367329
ENSMUSG00000024826.16,Dpf2,protein_coding	0.08917484	0.22498676
ENSMUSG00000144193.1,ENSMUSG00000144193,lncRNA	0.08915982	0.67353246
ENSMUSG00000105766.2,Gm19666,TEC	0.08915022	0.77640442
ENSMUSG00000054792.16,Klhl18,protein_coding	0.08909608	0.31907568
ENSMUSG00000056735.8,A930024E05Rik,lncRNA	0.08905527	0.68519008
ENSMUSG00000037257.9,Aagab,protein_coding	0.08903895	0.288974
ENSMUSG00000029426.9,Scarb2,protein_coding	0.08902809	0.16356346
ENSMUSG00000020154.11,Ptprb,protein_coding	0.08897594	0.33351336
ENSMUSG00000025374.14,Nabp2,protein_coding	0.08895379	0.36973064
ENSMUSG00000018076.13,Med13l,protein_coding	0.08895332	0.2744867
ENSMUSG00000020775.14,Mrpl38,protein_coding	0.08894771	0.51466484
ENSMUSG00000025324.9,Atp10a,protein_coding	0.08893799	0.52848881

ENSMUSG00000006611.16,Hfe,protein_coding	0.08891657	0.77908539
ENSMUSG00000115228.2,Gm48948,TEC	0.08885094	0.7993291
ENSMUSG00000020132.11,Rab21,protein_coding	0.08876124	0.23211752
ENSMUSG00000105392.2,Gm42684,TEC	0.08874696	0.82793463
ENSMUSG00000073412.7,Lst1,protein_coding	0.0887173	0.87125839
ENSMUSG00000057691.9,Zfp746,protein_coding	0.08864104	0.25507259
ENSMUSG00000120006.2,Gm57352,lncRNA	0.08862408	0.70413775
ENSMUSG00000038387.10,Rras,protein_coding	0.08859973	0.66325807
ENSMUSG00000002058.14,Unc119,protein_coding	0.08857698	0.6667685
ENSMUSG00000087143.12,A830082K12Rik,lncRNA	0.08857086	0.51108911
ENSMUSG00000022323.12,Rida,protein_coding	0.0885618	0.42524272
ENSMUSG00000040102.11,Klhl42,protein_coding	0.08852513	0.25709801
ENSMUSG00000034932.5,Mrpl54,protein_coding	0.08850631	0.65560704
ENSMUSG00000021671.10,Poc5,protein_coding	0.08845872	0.22109932
ENSMUSG00000017007.10,Rbpjl,protein_coding	0.08841158	0.68683067
ENSMUSG00000018999.15,Slc35b4,protein_coding	0.08837372	0.35302822
ENSMUSG00000037752.5,Xkr8,protein_coding	0.08836725	0.42640319
ENSMUSG00000045100.12,Slc25a26,protein_coding	0.08835943	0.44195363
ENSMUSG00000035179.5,Saxo4,protein_coding	0.08828476	0.875247
ENSMUSG00000069520.7,Tmem19,protein_coding	0.08825955	0.37194545
ENSMUSG00000109775.2,Gm45297,TEC	0.08825434	0.70372403
ENSMUSG00000021520.5,Uqcrb,protein_coding	0.08817422	0.4651992
ENSMUSG00000042345.16,Ubash3a,protein_coding	0.08816684	0.92364217
ENSMUSG00000000439.10,Mkrn2,protein_coding	0.08816046	0.3048072
ENSMUSG00000091756.3,Gm3095,protein_coding	0.08813553	0.69341654
ENSMUSG00000026587.16,Astn1,protein_coding	0.08812167	0.51245278
ENSMUSG00000112255.2,Gm47594,TEC	0.08811323	0.70213313
ENSMUSG00000050944.15,Efcab5,protein_coding	0.08810064	0.57684217
ENSMUSG00000022788.17,Fgd4,protein_coding	0.08807824	0.52776012
ENSMUSG00000095789.7,Nupr2,protein_coding	0.08806885	0.74830971
ENSMUSG00000027765.7,P2ry1,protein_coding	0.08799418	0.63386402
ENSMUSG00000031618.14,Nr3c2,protein_coding	0.08796118	0.46299081
ENSMUSG00000075273.5,Ift70b,protein_coding	0.08789115	0.60247151
ENSMUSG00000002968.10,Med25,protein_coding	0.08786317	0.36712683
ENSMUSG00000001300.17,Efnb2,protein_coding	0.08785498	0.5743216
ENSMUSG00000020220.17,Vps13d,protein_coding	0.08784667	0.17222999
ENSMUSG00000027942.18,4933434E20Rik,protein_coding	0.08782294	0.30996581
ENSMUSG00000040105.4,Plpp6,protein_coding	0.08780331	0.40975436
ENSMUSG00000005510.10,Ndufs3,protein_coding	0.08774253	0.43000988
ENSMUSG00000027472.15,Pdrg1,protein_coding	0.087737	0.37712585
ENSMUSG00000127320.1,ENSMUSG00000127320,lncRNA	0.08771927	0.8179897
ENSMUSG00000062382.10,Ftl1-ps1,protein_coding	0.08771052	0.77494753
ENSMUSG00000087026.9,A230103J11Rik,lncRNA	0.08770495	0.68007239
ENSMUSG00000044475.15,Ascc1,protein_coding	0.08770175	0.57465753
ENSMUSG00000087231.10,E230016M11Rik,lncRNA	0.08768822	0.5597591
ENSMUSG00000137557.1,ENSMUSG00000137557,lncRNA	0.08763606	0.71434144
ENSMUSG00000055725.12,Paqr3,protein_coding	0.08762098	0.40081951
ENSMUSG00000047428.15,Dlk2,protein_coding	0.08760548	0.70091702
ENSMUSG00000128148.1,ENSMUSG00000128148,lncRNA	0.08753795	0.75815633
ENSMUSG00000001870.17,Ltbp1,protein_coding	0.0875296	0.43819416
ENSMUSG00000031841.20,Cdh13,protein_coding	0.08750491	0.57708235
ENSMUSG00000020903.14,Stx8,protein_coding	0.08741429	0.34214433

ENSMUSG00000108348.3,Pnma8c,protein_coding	0.08739768	0.50378522
ENSMUSG00000031781.15,Ciapin1,protein_coding	0.08738654	0.30337946
ENSMUSG00000056900.14,Usp13,protein_coding	0.08738218	0.48366789
ENSMUSG00000009112.5,Bcl2l13,protein_coding	0.08736737	0.169126
ENSMUSG00000026018.13,Ica1l,protein_coding	0.08735859	0.42968007
ENSMUSG00000063698.10,Sfxn4,protein_coding	0.08735298	0.51997486
ENSMUSG00000022449.15,Adamts20,protein_coding	0.08729831	0.57615139
ENSMUSG00000038291.17,Snx25,protein_coding	0.08728333	0.26700087
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ENSMUSG00000015087.15,Rabl6,protein_coding	0.08723924	0.28591025
ENSMUSG00000014349.8,Ube2z,protein_coding	0.0872254	0.33320288
ENSMUSG00000034675.18,Dbn1,protein_coding	0.08713501	0.60016238
ENSMUSG00000097840.3,Gm26756,lncRNA	0.08705231	0.83945071
ENSMUSG00000046949.17,Nqo2,protein_coding	0.08704213	0.59818262
ENSMUSG00000028890.14,Mtf1,protein_coding	0.08703849	0.21621106
ENSMUSG00000030824.18,Nucb1,protein_coding	0.08691914	0.43251448
ENSMUSG00000036138.17,Acaa1a,protein_coding	0.08690835	0.3871413
ENSMUSG00000065954.12,Tacc1,protein_coding	0.08684846	0.39227159
ENSMUSG00000034709.9,Ppp1r21,protein_coding	0.08684798	0.30397439
ENSMUSG00000017776.16,Crk,protein_coding	0.08682288	0.22254086
ENSMUSG00000029647.16,Pan3,protein_coding	0.08680566	0.56782005
ENSMUSG00000031871.10,Cdh5,protein_coding	0.08680105	0.42584705
ENSMUSG00000019806.14,Aig1,protein_coding	0.08677036	0.44201234
ENSMUSG00000015971.6,Actr8,protein_coding	0.08672384	0.22234113
ENSMUSG00000029925.14,Tbxas1,protein_coding	0.08669361	0.74768391
ENSMUSG00000034430.17,Zxdc,protein_coding	0.08668666	0.25287084
ENSMUSG00000032519.12,Slc25a38,protein_coding	0.08667882	0.52580835
ENSMUSG00000000884.18,Gnb1l,protein_coding	0.08661095	0.66825967
ENSMUSG00000048154.18,Kmt2d,protein_coding	0.08660974	0.36771662
ENSMUSG00000030681.19,Mvp,protein_coding	0.08652771	0.63009146
ENSMUSG00000097750.3,Gm4673,lncRNA	0.0864923	0.52921584
ENSMUSG00000127364.1,ENSMUSG00000127364,lncRNA	0.08647624	0.81559667
ENSMUSG00000080538.3,Gm25541,snRNA	0.08645694	0.72521157
ENSMUSG00000037613.17,Tnfrsf23,protein_coding	0.08643617	0.75239916
ENSMUSG00000055254.16,Ntrk2,protein_coding	0.08634711	0.36741152
ENSMUSG00000032718.5,Mansc1,protein_coding	0.08634409	0.58033413
ENSMUSG00000019868.17,Vta1,protein_coding	0.08631958	0.44289535
ENSMUSG00000039754.11,Alkbh4,protein_coding	0.08625096	0.62391214
ENSMUSG00000110529.2,Gm45694,TEC	0.08624378	0.6697245
ENSMUSG00000037681.14,Esyt3,protein_coding	0.08624227	0.79763723
ENSMUSG00000005374.14,Tbl2,protein_coding	0.0862278	0.24038697
ENSMUSG00000003360.16,Ddx23,protein_coding	0.08617601	0.25433331
ENSMUSG00000110124.2,Gm4247,transcribed_processed_pseudogene	0.08617152	0.79463271
ENSMUSG00000015342.7,Xk,protein_coding	0.08615662	0.58620651
ENSMUSG00000056306.7,Sertm1,protein_coding	0.08612141	0.60256257
ENSMUSG00000048445.7,Ccdc57,protein_coding	0.08610971	0.66078569
ENSMUSG00000087331.11,1810021B22Rik,lncRNA	0.08607387	0.78765382
ENSMUSG00000005893.15,Nr2c2,protein_coding	0.08600158	0.17110908
ENSMUSG00000028559.18,Osbpl9,protein_coding	0.08595053	0.33816499
ENSMUSG00000120224.2,2810001A02Rik,lncRNA	0.08588178	0.7225281
ENSMUSG00000005125.14,Ndrg1,protein_coding	0.0858397	0.44416226
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ENSMUSG00000006134.5,Crkl,protein_coding	0.08576599	0.21720184
ENSMUSG00000028310.3,Ppp3r2,protein_coding	0.08567242	0.73942135
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ENSMUSG00000002010.18,Idh3g,protein_coding	0.08556865	0.35287672
ENSMUSG00000000263.16,Glra1,protein_coding	0.08555295	0.89693596
ENSMUSG00000031342.18,Gpm6b,protein_coding	0.08552264	0.54936392
ENSMUSG00000022186.15,Oxct1,protein_coding	0.08551769	0.33524783
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ENSMUSG00000060424.17,Pantr1,lncRNA	0.08545226	0.5626604
ENSMUSG00000037679.10,Inf2,protein_coding	0.08544281	0.69357143
ENSMUSG00000041570.15,Camsap2,protein_coding	0.08542946	0.34830129
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ENSMUSG00000031930.12,Wwp2,protein_coding	0.08535229	0.37076742
ENSMUSG00000033036.10,Ppihl,protein_coding	0.08533499	0.71093716
ENSMUSG00000032827.16,Ppp1r9a,protein_coding	0.08532562	0.55490645
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ENSMUSG00000025278.10,Flnb,protein_coding	0.08521899	0.37178951
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ENSMUSG00000039701.12,Usp53,protein_coding	0.08510364	0.50341364
ENSMUSG00000047260.5,Emc6,protein_coding	0.08504528	0.48647498
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ENSMUSG00000038668.15,Lpar1,protein_coding	0.08498242	0.43423608
ENSMUSG00000027465.14,Tbc1d20,protein_coding	0.08497869	0.33858541
ENSMUSG00000036430.9,Tbcc,protein_coding	0.08496782	0.69583291
ENSMUSG00000035133.10,Arhgap5,protein_coding	0.084967	0.67342934
ENSMUSG00000046191.8,Pcdhb20,protein_coding	0.08493566	0.47350018
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ENSMUSG00000141668.1,ENSMUSG00000141668,lncRNA	0.08492001	0.82756924
ENSMUSG00000030096.9,Slc6a6,protein_coding	0.08491268	0.32641236
ENSMUSG00000024687.12,Osbp,protein_coding	0.08489204	0.17895455
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ENSMUSG00000047412.17,Zbtb44,protein_coding	0.0848284	0.24265558
ENSMUSG00000062309.9,Rpp25,protein_coding	0.08474295	0.72212951
ENSMUSG00000061702.11,Tmem91,protein_coding	0.08468607	0.75876053
ENSMUSG00000055447.20,Cd47,protein_coding	0.08467346	0.31065527
ENSMUSG00000024824.8,Rad9a,protein_coding	0.08459871	0.61497828
ENSMUSG00000030986.14,Dhx32,protein_coding	0.08452105	0.42576687
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ENSMUSG00000060924.16,Csmd1,protein_coding	0.08447557	0.57375699
ENSMUSG00000009281.7,Rarres2,protein_coding	0.08447432	0.79252566
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ENSMUSG00000025135.13,Anapc11,protein_coding	0.08435315	0.41021386
ENSMUSG00000031119.5,Gpc4,protein_coding	0.08433954	0.7071017
ENSMUSG00000054843.10,Atrnl1,protein_coding	0.08433263	0.46386717
ENSMUSG00000110540.2,Gm45743,TEC	0.08432946	0.68511421
ENSMUSG00000073565.6,Prr16,protein_coding	0.08431617	0.66339411
ENSMUSG00000041632.8,Mrps27,protein_coding	0.08430389	0.53966185
ENSMUSG00000025423.17,Pias2,protein_coding	0.08429826	0.2058466
ENSMUSG00000024325.9,Ring1,protein_coding	0.08429698	0.6186875
ENSMUSG00000050608.12,Micos10,protein_coding	0.08425421	0.42127382
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ENSMUSG00000025571.14,Tnrc6c,protein_coding	0.08421382	0.40398694
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ENSMUSG00000032527.14,Pccb,protein_coding	0.08387282	0.4658835
ENSMUSG00000100309.2,Gm6644,processed_pseudogene	0.08384792	0.91205116
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ENSMUSG00000025968.17,Ndufs1,protein_coding	0.08375313	0.22568788
ENSMUSG00000028977.18,Casz1,protein_coding	0.08375211	0.80378767
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ENSMUSG00000103707.6,Pcdha6,protein_coding	0.08369632	0.6947635
ENSMUSG00000057234.10,Mettl15,protein_coding	0.08361796	0.6468087
ENSMUSG00000071342.6,Lsmem1,protein_coding	0.08355263	0.86241817
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ENSMUSG00000046269.18,Usp27x,protein_coding	0.08326046	0.58446592
ENSMUSG00000028223.9,Decr1,protein_coding	0.08323345	0.48257217
ENSMUSG00000003039.10,Fam32a,protein_coding	0.08321956	0.31759628
ENSMUSG00000022372.15,Sla,protein_coding	0.0832065	0.70178674
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ENSMUSG00000031505.12,Naxd,protein_coding	0.0831536	0.38794574
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ENSMUSG00000035047.10,Kri1,protein_coding	0.0831057	0.45332764

ENSMUSG00000040451.19,Sgms1,protein_coding	0.08309646	0.21092433
ENSMUSG00000001924.16,Uba1,protein_coding	0.08305718	0.39898751
ENSMUSG00000027582.17,Zgpat,protein_coding	0.08293663	0.54368832
ENSMUSG00000028078.15,Dclk2,protein_coding	0.08292142	0.53499248
ENSMUSG00000042099.17,Kank3,protein_coding	0.08289667	0.66169205
ENSMUSG00000063015.13,Ccni,protein_coding	0.08287103	0.35249858
ENSMUSG00000048732.6,Klhl11,protein_coding	0.08280582	0.35518704
ENSMUSG00000046593.4,Tmem215,protein_coding	0.08279606	0.68600796
ENSMUSG00000024099.16,Ndufv2,protein_coding	0.08276011	0.45220417
ENSMUSG00000031310.17,Zmym3,protein_coding	0.08268195	0.47063169
ENSMUSG00000068748.8,Ptprz1,protein_coding	0.08259838	0.34319816
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ENSMUSG00000052921.14,Arhgef15,protein_coding	0.08255558	0.56672483
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ENSMUSG00000037196.7,Pacrg,protein_coding	0.08253679	0.60016735
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ENSMUSG00000027291.16,Vps39,protein_coding	0.08247393	0.26853527
ENSMUSG00000032178.15,Ilf3,protein_coding	0.08246527	0.15910059
ENSMUSG00000049323.9,Smcr8,protein_coding	0.08243697	0.19676556
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ENSMUSG00000001383.10,Zmat2,protein_coding	0.08228432	0.39977764
ENSMUSG00000025586.18,Cpeb1,protein_coding	0.08224884	0.41401673
ENSMUSG00000062960.11,Kdr,protein_coding	0.0821665	0.51512296
ENSMUSG00000041343.20,Ankrd42,protein_coding	0.08215743	0.60285434
ENSMUSG00000042616.9,Oscp1,protein_coding	0.08212059	0.51792921
ENSMUSG00000033623.14,Pcgf3,protein_coding	0.08206731	0.31703389
ENSMUSG00000112266.3,Gm48843,lncRNA	0.08205624	0.88197585
ENSMUSG00000030281.17,Il17rc,protein_coding	0.08205364	0.78301042
ENSMUSG00000095139.3,Pou3f2,protein_coding	0.08200433	0.58446124
ENSMUSG00000020225.11,Tmbim4,protein_coding	0.08195894	0.58651515
ENSMUSG00000109896.3,Gm31409,lncRNA	0.08193732	0.87652956
ENSMUSG00000032077.6,Bud13,protein_coding	0.08184938	0.35932589
ENSMUSG00000021703.10,Serinc5,protein_coding	0.08182232	0.39634237
ENSMUSG00000025409.15,Mbd6,protein_coding	0.08180705	0.58091289
ENSMUSG00000020661.17,Dnmt3a,protein_coding	0.08176707	0.30515684
ENSMUSG00000073207.2,Ccdc160,protein_coding	0.08176007	0.76769155
ENSMUSG00000034738.9,Nostrin,protein_coding	0.08166324	0.77968751
ENSMUSG00000027455.17,Nsfl1c,protein_coding	0.08164424	0.3590216
ENSMUSG00000028911.17,Srsf4,protein_coding	0.08158554	0.33201954
ENSMUSG00000041132.12,N4bp2l1,protein_coding	0.08155818	0.34221635
ENSMUSG00000063626.7,Unc5d,protein_coding	0.08154779	0.53126627
ENSMUSG00000063511.12,Snrnp70,protein_coding	0.08154315	0.4964443
ENSMUSG00000030612.7,Mrpl46,protein_coding	0.08153723	0.54933279
ENSMUSG00000039891.7,Txlnb,protein_coding	0.0814924	0.72755451
ENSMUSG00000114220.3,Gm10353,lncRNA	0.08147917	0.74045972
ENSMUSG00000026662.14,Sephs1,protein_coding	0.08146442	0.42895476
ENSMUSG00000062980.16,Cped1,protein_coding	0.08140731	0.65892912
ENSMUSG00000102257.2,Gm37649,TEC	0.08137359	0.74584953
ENSMUSG00000042810.15,Krba1,protein_coding	0.08132606	0.47328251
ENSMUSG00000020211.16,Sf3a2,protein_coding	0.08129068	0.61303732

ENSMUSG00000035596.15,Mboat7,protein_coding	0.08127962	0.47283181
ENSMUSG00000072770.10,Acrbp,protein_coding	0.08125181	0.69841139
ENSMUSG00000068036.17,Afdn,protein_coding	0.08120668	0.30812889
ENSMUSG00000001285.13,Myg1,protein_coding	0.08119849	0.48585454
ENSMUSG00000054679.9,Srsf12,protein_coding	0.0811563	0.59892269
ENSMUSG00000020921.7,Tmem101,protein_coding	0.08115342	0.54854062
ENSMUSG00000024939.7,Fam89b,protein_coding	0.08114316	0.90717336
ENSMUSG00000041608.9,Entpd3,protein_coding	0.08113571	0.70927219
ENSMUSG00000039105.7,Atp6v1g1,protein_coding	0.08111729	0.47153869
ENSMUSG00000033909.18,Usp36,protein_coding	0.08110457	0.35923337
ENSMUSG00000055044.13,Pdlim1,protein_coding	0.08101407	0.58982574
ENSMUSG00000000088.8,Cox5a,protein_coding	0.08089534	0.54327006
ENSMUSG00000055202.12,Zfp811,protein_coding	0.08089205	0.54572439
ENSMUSG00000027746.14,Ufm1,protein_coding	0.08087829	0.27262457
ENSMUSG00000030979.14,Uros,protein_coding	0.0808661	0.46963139
ENSMUSG00000090213.2,Peds1,protein_coding	0.08086204	0.42668071
ENSMUSG00000038187.15,Btbd10,protein_coding	0.08075777	0.4717864
ENSMUSG00000029638.18,Glcci1,protein_coding	0.08071215	0.58906683
ENSMUSG00000027797.16,Dclk1,protein_coding	0.08061701	0.5639362
ENSMUSG00000040125.5,Gpr26,protein_coding	0.08053457	0.71624987
ENSMUSG00000125512.1,ENSMUSG00000125512,lncRNA	0.08051261	0.8193326
ENSMUSG00000035150.16,Eif2s3x,protein_coding	0.08050602	0.34149361
ENSMUSG00000041777.13,Cir1,protein_coding	0.08049097	0.29249239
ENSMUSG00000037818.18,Abhd18,protein_coding	0.08048001	0.47510954
ENSMUSG00000065259.3,Snora30,snoRNA	0.08047597	0.76901707
ENSMUSG00000001521.13,Tulp3,protein_coding	0.08045571	0.3943827
ENSMUSG00000024074.9,Crim1,protein_coding	0.08042023	0.41262104
ENSMUSG00000102222.2,Pcdhga10,protein_coding	0.08040749	0.5569676
ENSMUSG00000034126.6,Pomt2,protein_coding	0.08035129	0.35367268
ENSMUSG00000097324.11,Carmn,lncRNA	0.08034404	0.63652425
ENSMUSG00000050721.10,Plekho2,protein_coding	0.08031926	0.59059557
ENSMUSG00000042642.14,Flad1,protein_coding	0.0802892	0.39599614
ENSMUSG00000023277.14,Twf2,protein_coding	0.08017556	0.62148443
ENSMUSG00000042772.16,Smg7,protein_coding	0.08015517	0.20547659
ENSMUSG00000104963.2,Gm42974,TEC	0.08013241	0.67649211
ENSMUSG00000044876.16,Zfp444,protein_coding	0.08012913	0.43007439
ENSMUSG00000038085.14,Cnbd2,protein_coding	0.08009785	0.5558826
ENSMUSG00000074505.7,Fat3,protein_coding	0.08007064	0.62776818
ENSMUSG00000019173.12,Rab5c,protein_coding	0.07996368	0.3640103
ENSMUSG00000020817.17,Rabep1,protein_coding	0.07987831	0.27700189
ENSMUSG00000113650.2,Gm47826,TEC	0.07971153	0.57077154
ENSMUSG00000036860.15,Mrpl55,protein_coding	0.07969597	0.65307658
ENSMUSG00000039656.18,Rxrb,protein_coding	0.07962846	0.41935898
ENSMUSG00000049555.11,Tmie,protein_coding	0.07959717	0.7562218
ENSMUSG00000041258.19,Zfp236,protein_coding	0.07958104	0.31110087
ENSMUSG00000028772.20,Zcchc17,protein_coding	0.07952095	0.36081602
ENSMUSG00000036377.21,Cracd,protein_coding	0.07951125	0.56483179
ENSMUSG00000102258.2,Gm38257,TEC	0.07949911	0.6417428
ENSMUSG00000047466.11,Ark2n,protein_coding	0.07948655	0.41416916
ENSMUSG00000102441.2,Gm38032,TEC	0.0794614	0.76652226
ENSMUSG00000020801.9,Med31,protein_coding	0.07945251	0.6916632
ENSMUSG00000045689.4,Pcdhb4,protein_coding	0.07944689	0.6277259

ENSMUSG00000057388.10,Mrpl18,protein_coding	0.07944382	0.55025773
ENSMUSG00000055239.11,Kcmf1,protein_coding	0.07938304	0.26395799
ENSMUSG00000022523.11,Fgf12,protein_coding	0.07929224	0.58161606
ENSMUSG00000031214.14,Ophn1,protein_coding	0.07927008	0.39470927
ENSMUSG00000030556.14,Lrrc28,protein_coding	0.07924423	0.36616543
ENSMUSG00000024065.9,Ehd3,protein_coding	0.07923665	0.52224075
ENSMUSG00000041939.15,Mvk,protein_coding	0.07911414	0.67763478
ENSMUSG00000101111.2,Gm28437,unprocessed_pseudogene	0.0791138	0.77213277
ENSMUSG00000106209.4,Gm42918,lncRNA	0.07909345	0.7967755
ENSMUSG00000001240.14,Ramp2,protein_coding	0.07904958	0.69308137
ENSMUSG00000029613.16,Eif2ak1,protein_coding	0.07899273	0.27645262
ENSMUSG00000045994.18,B3gat1,protein_coding	0.07896948	0.67156754
ENSMUSG00000017119.21,Nbr1,protein_coding	0.07894459	0.20320405
ENSMUSG00000021748.10,Pdhb,protein_coding	0.07883959	0.28744306
ENSMUSG00000030606.9,Hapln3,protein_coding	0.07877761	0.73696463
ENSMUSG00000047635.7,Mtrfr,protein_coding	0.07867911	0.56713886
ENSMUSG00000044125.9,9530080O11Rik,lncRNA	0.07867732	0.77123744
ENSMUSG00000040446.5,Rprd1a,protein_coding	0.07853776	0.36140808
ENSMUSG00000047250.14,Ptgs1,protein_coding	0.07849357	0.64154515
ENSMUSG00000021704.9,Mtx3,protein_coding	0.07847653	0.36386773
ENSMUSG00000028979.18,Masp2,protein_coding	0.07838417	0.68174946
ENSMUSG00000035189.18,Ano4,protein_coding	0.07835011	0.53370827
ENSMUSG00000000441.18,Raf1,protein_coding	0.07832313	0.34182882
ENSMUSG00000118310.2,Gm50268,TEC	0.07832258	0.68816051
ENSMUSG00000015659.13,Serac1,protein_coding	0.07832098	0.39566511
ENSMUSG00000046341.6,Gm11223,transcribed_processed_pseudogene	0.07831898	0.81801434
ENSMUSG00000026879.15,Gsn,protein_coding	0.07828872	0.53418241
ENSMUSG00000132147.1,ENSMUSG00000132147,lncRNA	0.07826951	0.85029487
ENSMUSG00000121866.2,Zfp133-ps,lncRNA	0.07818553	0.68809473
ENSMUSG00000087259.10,2610035D17Rik,lncRNA	0.07816226	0.57880639
ENSMUSG00000106153.2,Gm43677,TEC	0.07814395	0.738586
ENSMUSG00000035517.18,Tdrd7,protein_coding	0.07814106	0.43037935
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ENSMUSG00000035919.17,Bbs9,protein_coding	0.07809335	0.38387474
ENSMUSG00000077704.3,Snord89,snoRNA	0.07801643	0.70479471
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ENSMUSG00000108108.2,Gm44270,TEC	0.07790773	0.7560042
ENSMUSG00000034858.18,Atosa,protein_coding	0.07785912	0.36830058
ENSMUSG00000032435.10,Dync1li1,protein_coding	0.07781054	0.32327923
ENSMUSG00000017843.15,Ppp2r5c,protein_coding	0.07776649	0.33247435
ENSMUSG00000026321.9,Tnfrsf11a,protein_coding	0.07775689	0.52919245
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ENSMUSG00000030595.16,Nfkbib,protein_coding	0.07773487	0.5632047
ENSMUSG00000025612.6,Bach1,protein_coding	0.07766786	0.38639344
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ENSMUSG00000049106.8,Dcaf5,protein_coding	0.07752183	0.32977511
ENSMUSG00000031546.7,Gins4,protein_coding	0.07749346	0.45484946
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ENSMUSG00000022151.17,Ttc33,protein_coding	0.07730225	0.49794752
ENSMUSG00000033965.11,Slc16a2,protein_coding	0.07727601	0.64644641
ENSMUSG00000015829.14,Tnr,protein_coding	0.07718995	0.58118495

ENSMUSG00000022220.15,Adcy4,protein_coding	0.07717046	0.76772398
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ENSMUSG00000021379.3,Id4,protein_coding	0.07706344	0.56343182
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ENSMUSG00000024042.8,Sik1,protein_coding	0.07702456	0.60747503
ENSMUSG00000000915.16,Hip1r,protein_coding	0.07701903	0.38388037
ENSMUSG00000024451.10,Arap3,protein_coding	0.07700512	0.63259512
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ENSMUSG00000028657.15,Ppt1,protein_coding	0.07697658	0.22598961
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ENSMUSG00000045302.14,Preb,protein_coding	0.07682313	0.38703586
ENSMUSG00000026409.15,Pfkfb2,protein_coding	0.0767798	0.33356527
ENSMUSG00000109585.2,Gm45358,TEC	0.07676302	0.74596805
ENSMUSG00000064340.1,mt-Tl1,Mt_tRNA	0.07675563	0.85120883
ENSMUSG00000001018.16,Snapin,protein_coding	0.07673642	0.38386092
ENSMUSG00000039257.12,Vstm2b,protein_coding	0.07671587	0.6693809
ENSMUSG00000046207.15,Pik3r6,protein_coding	0.07665461	0.78115715
ENSMUSG00000116840.3,Gm21691,lncRNA	0.07662171	0.82369256
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ENSMUSG00000032501.10,Trib1,protein_coding	0.07653218	0.6036089
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ENSMUSG00000027011.15,Ube2e3,protein_coding	0.07647046	0.48879971
ENSMUSG00000009292.19,Trpm2,protein_coding	0.07644737	0.51733222
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ENSMUSG00000038564.12,Ift172,protein_coding	0.07641445	0.39217551
ENSMUSG00000055313.16,Pgbd1,protein_coding	0.07639361	0.63937699
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ENSMUSG00000027499.13,Pkia,protein_coding	0.07635046	0.55374024
ENSMUSG00000054423.16,Cadps,protein_coding	0.07633344	0.43107698
ENSMUSG00000032309.16,Fbxo22,protein_coding	0.07630366	0.28181201
ENSMUSG00000031156.19,Slc35a2,protein_coding	0.07629113	0.50791525
ENSMUSG00000038011.16,Dnah10,protein_coding	0.07622821	0.84704904
ENSMUSG00000030213.13,Atf7ip,protein_coding	0.07620805	0.32006234
ENSMUSG00000079669.5,Gm17396,lncRNA	0.0762039	0.77191422
ENSMUSG00000013997.11,Nit1,protein_coding	0.07617416	0.38535705
ENSMUSG00000029596.14,Sdsl,protein_coding	0.07615493	0.81786572
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ENSMUSG00000039046.16,Usp6nl,protein_coding	0.07611085	0.36615445
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ENSMUSG00000028978.13,Nos3,protein_coding	0.07605437	0.67140713
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ENSMUSG00000015968.19,Cacna1d,protein_coding	0.07600763	0.45135429
ENSMUSG00000123158.1,ENSMUSG00000123158,lncRNA	0.07599365	0.76122332
ENSMUSG00000017307.17,Acot8,protein_coding	0.07584058	0.64594578
ENSMUSG00000033628.16,Pik3c3,protein_coding	0.0758352	0.35764264
ENSMUSG00000035914.12,Cd276,protein_coding	0.07582191	0.63796786
ENSMUSG00000051234.7,Rnf7,protein_coding	0.07576357	0.44260168
ENSMUSG00000114094.2,Gm48375,TEC	0.07575646	0.56432049
ENSMUSG00000104197.2,Gm37632,TEC	0.07575495	0.81995003

ENSMUSG00000063952.17,Brpf3,protein_coding	0.07574528	0.37756693
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ENSMUSG00000003135.16,Cnot11,protein_coding	0.07573736	0.41262226
ENSMUSG00000117959.3,D330050I16Rik,lncRNA	0.07570132	0.80242856
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ENSMUSG00000107966.2,Gm44001,TEC	0.07566418	0.69901765
ENSMUSG00000000194.14,Gpr107,protein_coding	0.07565054	0.25773391
ENSMUSG00000002396.9,Ocel1,protein_coding	0.07564061	0.62093529
ENSMUSG00000036356.16,Csgalnact1,protein_coding	0.07557035	0.5981902
ENSMUSG00000022664.12,Slc35a5,protein_coding	0.07556467	0.34542013
ENSMUSG00000027637.4,Rab5if,protein_coding	0.0755605	0.46294334
ENSMUSG00000020537.10,Drg2,protein_coding	0.07555867	0.45485696
ENSMUSG00000028005.14,Gucy1b1,protein_coding	0.07554637	0.65486775
ENSMUSG00000040389.16,Wdr47,protein_coding	0.07548592	0.50822557
ENSMUSG00000057899.8,Adgrf2,protein_coding	0.0754169	0.74947381
ENSMUSG00000026623.17,Lpgat1,protein_coding	0.07541239	0.37159956
ENSMUSG00000070319.7,Eif3g,protein_coding	0.07540057	0.57539746
ENSMUSG00000003992.16,Ssbp2,protein_coding	0.07537839	0.41954733
ENSMUSG00000028804.21,Csmd2,protein_coding	0.07532769	0.62367085
ENSMUSG00000028070.8,Naxe,protein_coding	0.07531682	0.68047032
ENSMUSG00000062040.15,Zfp27,protein_coding	0.07530507	0.39491391
ENSMUSG00000110747.3,Gm35657,lncRNA	0.07529138	0.84610509
ENSMUSG00000052374.17,Actn2,protein_coding	0.07524787	0.8220517
ENSMUSG00000045503.17,Sys1,protein_coding	0.07522567	0.35646541
ENSMUSG00000026437.13,Cdk18,protein_coding	0.07519788	0.67727643
ENSMUSG00000041161.9,Otud3,protein_coding	0.07516294	0.58980486
ENSMUSG00000013787.16,Ehmt2,protein_coding	0.07515396	0.4765074
ENSMUSG00000010277.8,Bltp2,protein_coding	0.07506854	0.25497835
ENSMUSG00000021140.10,Pcnx1,protein_coding	0.07506	0.32868446
ENSMUSG00000000167.15,Pih1d2,protein_coding	0.07505201	0.75789103
ENSMUSG00000026842.17,Abl1,protein_coding	0.07504144	0.3559518
ENSMUSG00000032602.7,Slc25a20,protein_coding	0.07503574	0.60375356
ENSMUSG00000043556.11,Fbxl7,protein_coding	0.07498035	0.71859878
ENSMUSG00000111947.3,Gm47438,lncRNA	0.07497718	0.64507687
ENSMUSG00000032224.16,Fam81a,protein_coding	0.07497419	0.70183993
ENSMUSG00000114282.2,5330431K02Rik,TEC	0.0749521	0.64272158
ENSMUSG00000032902.2,Slc16a1,protein_coding	0.07494703	0.53285717
ENSMUSG00000020672.15,Sntg2,protein_coding	0.07489904	0.74884354
ENSMUSG00000023791.19,Pigx,protein_coding	0.07486321	0.64499949
ENSMUSG00000117063.3,Gm49936,lncRNA	0.0748061	0.7845919
ENSMUSG00000108643.2,Gm44931,TEC	0.07463935	0.8356759
ENSMUSG00000021275.17,Tecpr2,protein_coding	0.07462429	0.43651155
ENSMUSG00000104951.2,Gm43413,TEC	0.0746049	0.69749983
ENSMUSG00000026836.16,Acvr1,protein_coding	0.07459384	0.53975048
ENSMUSG00000025978.15,Rftn2,protein_coding	0.07455686	0.34986606
ENSMUSG00000036782.14,Klhl13,protein_coding	0.0745381	0.69835224
ENSMUSG00000108985.2,A930030B08Rik,TEC	0.07453125	0.80796833
ENSMUSG00000112300.2,Gm47976,TEC	0.07444966	0.701994
ENSMUSG00000022332.9,Khdrbs3,protein_coding	0.07443141	0.65446705
ENSMUSG00000015668.14,Pdzd11,protein_coding	0.07440145	0.44223
ENSMUSG00000033319.6,Fem1c,protein_coding	0.07434795	0.55560248
ENSMUSG00000021779.20,Thrb,protein_coding	0.07434771	0.6563984

ENSMUSG00000025474.10,Tubgcp2,protein_coding	0.0743009	0.46106758
ENSMUSG00000029094.13,Afap1,protein_coding	0.0742369	0.45403911
ENSMUSG00000041774.17,Ydjc,protein_coding	0.07416543	0.7304717
ENSMUSG00000017837.13,Nkiras2,protein_coding	0.07415514	0.66046003
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ENSMUSG00000028879.5,Stx12,protein_coding	0.07411757	0.38159598
ENSMUSG00000042292.19,Mrtfa,protein_coding	0.07405956	0.56681007
ENSMUSG00000030306.15,Tmtc1,protein_coding	0.07400251	0.51402286
ENSMUSG00000026965.13,Anapc2,protein_coding	0.07394636	0.48553546
ENSMUSG00000062519.14,Zfp398,protein_coding	0.07393553	0.40408938
ENSMUSG00000027312.15,Atrn,protein_coding	0.07393414	0.44782842
ENSMUSG00000013076.18,Amotl1,protein_coding	0.0739315	0.75816552
ENSMUSG00000103115.3,Gm37584,lncRNA	0.07388137	0.79295781
ENSMUSG00000110238.2,Gm19269,TEC	0.07386851	0.78365052
ENSMUSG00000048186.15,Bend7,protein_coding	0.07384685	0.77068757
ENSMUSG00000051041.9,Olfml1,protein_coding	0.0738055	0.61350429
ENSMUSG00000027439.10,Gzf1,protein_coding	0.07379565	0.29808008
ENSMUSG00000072294.6,Klf12,protein_coding	0.07376837	0.44559502
ENSMUSG00000097814.7,Panct2,lncRNA	0.07376284	0.75749388
ENSMUSG00000029066.13,Mrpl20,protein_coding	0.07373947	0.56703472
ENSMUSG00000030657.12,Xylt1,protein_coding	0.07373308	0.59667183
ENSMUSG00000000901.18,Mmp11,protein_coding	0.07367809	0.7830998
ENSMUSG00000104272.2,Gm38297,TEC	0.07367615	0.70550337
ENSMUSG00000028758.13,Kif17,protein_coding	0.07358312	0.68168279
ENSMUSG00000027523.21,Gnas,protein_coding	0.07354026	0.45547654
ENSMUSG00000047281.4,Sfn,protein_coding	0.07350779	0.79150309
ENSMUSG00000100666.3,1700007F19Rik,lncRNA	0.07343753	0.81819759
ENSMUSG00000006301.18,Tmbim1,protein_coding	0.07331682	0.41559431
ENSMUSG00000025521.16,Tmem192,protein_coding	0.07331644	0.65922494
ENSMUSG00000126760.1,ENSMUSG00000126760,lncRNA	0.07321588	0.88076021
ENSMUSG00000112117.4,Rmst,lncRNA	0.07315648	0.59804931
ENSMUSG00000038582.16,Pptc7,protein_coding	0.07314983	0.2534803
ENSMUSG00000038241.17,Cep250,protein_coding	0.07312925	0.50027236
ENSMUSG00000038495.15,Otud7b,protein_coding	0.07312733	0.28997798
ENSMUSG00000075703.17,Selenoi,protein_coding	0.07310344	0.29185458
ENSMUSG00000039801.8,Cplane1,protein_coding	0.07309831	0.38585717
ENSMUSG00000034755.20,Pcdh11x,protein_coding	0.07305407	0.66380767
ENSMUSG00000072572.10,Slc39a2,protein_coding	0.07295697	0.75861025
ENSMUSG00000031851.15,Ntpcr,protein_coding	0.07293068	0.64039694
ENSMUSG00000037957.15,Wdr20,protein_coding	0.07292957	0.42154927
ENSMUSG00000002949.16,Timm44,protein_coding	0.07290831	0.37955823
ENSMUSG00000032042.12,Srpra,protein_coding	0.07288607	0.33839458
ENSMUSG00000021065.17,Fut8,protein_coding	0.07287839	0.53043521
ENSMUSG00000028637.17,Ccdc30,protein_coding	0.07282893	0.6272417
ENSMUSG00000097028.4,Ptgs2os,lncRNA	0.07278516	0.82340346
ENSMUSG00000022899.11,Slc15a2,protein_coding	0.07277565	0.68719743
ENSMUSG00000096751.4,Gm28373,lncRNA	0.07276847	0.69770286
ENSMUSG00000103284.2,3110080O07Rik,TEC	0.07275011	0.82272866
ENSMUSG00000107927.2,Gm44090,TEC	0.07273531	0.7006696
ENSMUSG00000001986.17,Gria3,protein_coding	0.07272552	0.63610115
ENSMUSG00000054619.8,Tmt1a,protein_coding	0.07268226	0.47188324
ENSMUSG00000100164.3,2610306M01Rik,lncRNA	0.07263236	0.64917215

ENSMUSG00000030216.13,Wbp11,protein_coding	0.07261718	0.32300931
ENSMUSG00000020232.19,Hmg20b,protein_coding	0.07260602	0.58529544
ENSMUSG00000044534.9,Ackr2,protein_coding	0.07258806	0.81735892
ENSMUSG00000027524.10,Edn3,protein_coding	0.0725416	0.77123395
ENSMUSG00000031166.14,Wdr13,protein_coding	0.07254015	0.52298871
ENSMUSG00000053825.16,Ppfia2,protein_coding	0.07250785	0.58839229
ENSMUSG00000061751.17,Kalrn,protein_coding	0.07250155	0.68239733
ENSMUSG00000021589.14,Rhobtb3,protein_coding	0.07247693	0.54971676
ENSMUSG00000106837.2,D630030B08Rik,TEC	0.07244908	0.66329458
ENSMUSG00000026670.16,Uap1,protein_coding	0.0724306	0.50494394
ENSMUSG00000020375.10,Rufy1,protein_coding	0.07241777	0.38820627
ENSMUSG00000001520.13,Nrip2,protein_coding	0.07235501	0.72701061
ENSMUSG00000022770.18,Dlg1,protein_coding	0.0723379	0.41995078
ENSMUSG00000109958.3,Gm32786,lncRNA	0.07231407	0.67869544
ENSMUSG00000035355.16,Kcnh4,protein_coding	0.07216874	0.80341539
ENSMUSG00000029458.15,Brap,protein_coding	0.07211283	0.29581429
ENSMUSG00000006307.17,Kmt2b,protein_coding	0.07202791	0.49780463
ENSMUSG00000031634.14,Ufsp2,protein_coding	0.0720179	0.45758118
ENSMUSG00000003033.16,Ap1m1,protein_coding	0.07200157	0.50106203
ENSMUSG00000020923.18,Ubtf,protein_coding	0.07193012	0.33346296
ENSMUSG00000026275.14,Ppp1r7,protein_coding	0.07190619	0.39029322
ENSMUSG00000039740.7,Alg2,protein_coding	0.07188496	0.42687685
ENSMUSG00000026435.16,Slc45a3,protein_coding	0.07180346	0.78790609
ENSMUSG00000028826.15,Maco1,protein_coding	0.07178268	0.2943159
ENSMUSG00000032112.11,Trappc4,protein_coding	0.0717577	0.63265725
ENSMUSG00000028636.15,Ppcs,protein_coding	0.07174851	0.77686973
ENSMUSG00000036820.13,Amdhd2,protein_coding	0.0717472	0.58513943
ENSMUSG00000026482.14,Rgl1,protein_coding	0.07158946	0.591125
ENSMUSG00000034354.19,Mtmr3,protein_coding	0.07155636	0.24848078
ENSMUSG00000068323.13,Slc4a5,protein_coding	0.07155085	0.88135782
ENSMUSG00000111594.2,Gm3365,transcribed_unprocessed_pseudogene	0.0715506	0.82880232
ENSMUSG00000005483.11,Dnajb1,protein_coding	0.07153752	0.52171478
ENSMUSG00000059273.11,Zc3h4,protein_coding	0.0715292	0.37967302
ENSMUSG00000102625.2,Gm37672,TEC	0.07150252	0.74969322
ENSMUSG00000033658.17,Ddx19b,protein_coding	0.07139281	0.43902291
ENSMUSG00000022812.15,Gsk3b,protein_coding	0.07131429	0.37148526
ENSMUSG00000029291.12,Rufy3,protein_coding	0.07127167	0.22752741
ENSMUSG00000022452.17,Smdt1,protein_coding	0.07126975	0.67221099
ENSMUSG00000005802.13,Slc30a4,protein_coding	0.07126439	0.64869723
ENSMUSG00000051934.6,Spats2,protein_coding	0.07124923	0.44277839
ENSMUSG00000042148.9,Cox10,protein_coding	0.07124227	0.60723607
ENSMUSG00000058690.15,Ccser2,protein_coding	0.07121558	0.29568398
ENSMUSG00000059003.13,Grin2a,protein_coding	0.07120367	0.66527848
ENSMUSG00000012819.17,Cdh23,protein_coding	0.07114595	0.81842253
ENSMUSG00000059436.14,Max,protein_coding	0.07113717	0.5307393
ENSMUSG00000119520.1,Gm24265,snRNA	0.07099608	0.79001057
ENSMUSG00000104114.2,Gm37297,TEC	0.07098354	0.74743449
ENSMUSG00000047454.13,Gphn,protein_coding	0.07092328	0.28125123
ENSMUSG00000033405.5,Nudt15,protein_coding	0.07089669	0.61222364
ENSMUSG00000041740.17,Rnf10,protein_coding	0.07085899	0.2918891
ENSMUSG00000017615.13,Tnfaip1,protein_coding	0.07075778	0.31834279
ENSMUSG00000020832.15,Eral1,protein_coding	0.07070749	0.50079524

ENSMUSG00000026843.16,Fubp3,protein_coding	0.07069197	0.38551039
ENSMUSG00000040661.7,Rad54l2,protein_coding	0.07068608	0.2664218
ENSMUSG00000019975.13,Ikbip,protein_coding	0.07060171	0.5600333
ENSMUSG00000057914.16,Cacnb2,protein_coding	0.07059504	0.44413362
ENSMUSG00000044340.8,Phlpp1,protein_coding	0.07054099	0.33569179
ENSMUSG00000087535.4,Zmiz1os1,lncRNA	0.07052178	0.61364598
ENSMUSG00000028654.14,Mycl,protein_coding	0.07051285	0.77081025
ENSMUSG00000031990.16,Jam3,protein_coding	0.07048246	0.50669122
ENSMUSG00000028173.11,Wls,protein_coding	0.07047125	0.59204256
ENSMUSG00000021578.18,Ccdc127,protein_coding	0.07042996	0.29172483
ENSMUSG00000021290.7,Atp5mj,protein_coding	0.07040404	0.64902953
ENSMUSG00000122887.1,ENSMUSG00000122887,lncRNA	0.07036584	0.87627549
ENSMUSG00000030850.18,Ate1,protein_coding	0.07029952	0.29240947
ENSMUSG00000098051.3,Gm27032,lncRNA	0.07026345	0.67504919
ENSMUSG00000031751.15,Amfr,protein_coding	0.07024094	0.32390021
ENSMUSG00000031574.9,Star,protein_coding	0.07023154	0.71519014
ENSMUSG00000130242.1,ENSMUSG00000130242,lncRNA	0.07021093	0.87587987
ENSMUSG00000091512.6,Lamtor3,protein_coding	0.07009892	0.39203656
ENSMUSG00000115647.2,Gm49265,TEC	0.07009042	0.75676087
ENSMUSG00000039633.8,Lonrf1,protein_coding	0.07004682	0.6002283
ENSMUSG00000117942.2,Maskbp3,protein_coding	0.07004468	0.8774974
ENSMUSG00000036568.8,Bicral,protein_coding	0.06994329	0.36011203
ENSMUSG00000031148.15,Gpkow,protein_coding	0.06986642	0.39994186
ENSMUSG00000078622.9,Ccdc47,protein_coding	0.06983963	0.24153581
ENSMUSG00000055633.7,Zfp580,protein_coding	0.06978895	0.64683391
ENSMUSG00000028944.15,Prkag2,protein_coding	0.06974831	0.50578387
ENSMUSG00000030551.15,Nr2f2,protein_coding	0.06974163	0.70357166
ENSMUSG00000040521.12,Tsfm,protein_coding	0.06970204	0.67163675
ENSMUSG00000086171.9,Pcsk2os1,lncRNA	0.06964554	0.62635659
ENSMUSG00000018401.18,Mtmr4,protein_coding	0.0696084	0.3349046
ENSMUSG00000021910.16,Nisch,protein_coding	0.06948613	0.3877606
ENSMUSG00000121504.2,Ppp4r1l-ps,lncRNA	0.06947164	0.52474305
ENSMUSG00000022464.15,Slc38a4,protein_coding	0.0694704	0.85031805
ENSMUSG00000041815.15,Poldip3,protein_coding	0.0694203	0.3209923
ENSMUSG00000001150.8,Mcm3ap,protein_coding	0.06935898	0.40770278
ENSMUSG00000119029.1,Gm25617,snoRNA	0.06934313	0.78887106
ENSMUSG00000003435.10,Supt5,protein_coding	0.06931419	0.25720429
ENSMUSG00000028622.12,Mrpl37,protein_coding	0.0692952	0.4058775
ENSMUSG00000025858.13,Get4,protein_coding	0.06928749	0.52518017
ENSMUSG00000032936.14,Camkv,protein_coding	0.06924062	0.76282921
ENSMUSG00000026344.10,Lypd1,protein_coding	0.06923866	0.73413975
ENSMUSG00000018040.10,Rrp7a,protein_coding	0.06919711	0.56518613
ENSMUSG00000042302.15,Ehbp1,protein_coding	0.06916728	0.33885554
ENSMUSG00000008226.15,Scrn3,protein_coding	0.06915143	0.4707207
ENSMUSG00000032076.21,Cadm1,protein_coding	0.06913385	0.53101988
ENSMUSG00000089857.10,Zfp882,protein_coding	0.06911396	0.64399166
ENSMUSG00000059482.16,Cfap418,protein_coding	0.06907659	0.65729951
ENSMUSG00000027889.18,Ampd2,protein_coding	0.06907519	0.59169022
ENSMUSG00000021662.12,Arhgef28,protein_coding	0.06906684	0.62869981
ENSMUSG00000037740.9,Mrps26,protein_coding	0.06904546	0.53304545
ENSMUSG00000064179.15,Tnnt1,protein_coding	0.06898234	0.89793792
ENSMUSG00000090066.3,1110002E22Rik,protein_coding	0.06884184	0.72734813

ENSMUSG00000054091.10,1810037I17Rik,protein_coding	0.06883491	0.66828758
ENSMUSG00000024835.16,Coro1b,protein_coding	0.06882654	0.40088954
ENSMUSG00000068966.11,Zbtb34,protein_coding	0.06878761	0.49981494
ENSMUSG00000036775.14,Decr2,protein_coding	0.06878244	0.62237325
ENSMUSG00000030282.15,Cmas,protein_coding	0.06875247	0.48851434
ENSMUSG00000026150.15,Mff,protein_coding	0.06874872	0.25156638
ENSMUSG00000030922.13,Lyrm1,protein_coding	0.06871614	0.55231431
ENSMUSG00000083773.5,Gm13394,transcribed_processed_pseudogene	0.06870365	0.64495453
ENSMUSG00000141119.1,ENSMUSG00000141119,lncRNA	0.06860759	0.80684817
ENSMUSG00000090336.6,Cfap97d2,protein_coding	0.06852076	0.76460083
ENSMUSG00000112571.2,Gm48207,TEC	0.06847025	0.77371126
ENSMUSG00000032744.5,Heyl,protein_coding	0.06843393	0.76418532
ENSMUSG00000027247.17,Arhgap1,protein_coding	0.06840901	0.49299539
ENSMUSG00000047888.11,Tnrc6b,protein_coding	0.06838964	0.26060975
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ENSMUSG00000033105.13,Lss,protein_coding	0.06827915	0.51584683
ENSMUSG00000032579.15,Hemk1,protein_coding	0.06827214	0.53830397
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ENSMUSG00000030704.15,Rab6a,protein_coding	0.06823737	0.56239512
ENSMUSG00000097616.10,1110019D14Rik,lncRNA	0.06822077	0.72773305
ENSMUSG00000042854.10,Trp53rkb,protein_coding	0.06820671	0.57175144
ENSMUSG00000006215.13,Zbtb17,protein_coding	0.0681375	0.56913273
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ENSMUSG00000030095.11,Tmem43,protein_coding	0.06812726	0.54637896
ENSMUSG00000033697.17,Arhgap39,protein_coding	0.0680862	0.59187178
ENSMUSG00000099869.8,1700030F04Rik,lncRNA	0.06808609	0.80288245
ENSMUSG00000003528.16,Slc25a1,protein_coding	0.0679942	0.66862619
ENSMUSG00000031985.10,Gnpat,protein_coding	0.06797993	0.32805809
ENSMUSG00000137391.1,ENSMUSG00000137391,lncRNA	0.06790869	0.67396262
ENSMUSG00000054808.16,Actn4,protein_coding	0.06787652	0.34704731
ENSMUSG00000038023.13,Atp6v0a2,protein_coding	0.06778167	0.27261604
ENSMUSG00000003527.10,Ess2,protein_coding	0.06777667	0.47161088
ENSMUSG00000039963.21,Ccdc40,protein_coding	0.06768973	0.86938136
ENSMUSG00000039834.18,Zfp335,protein_coding	0.0676735	0.63457155
ENSMUSG00000032526.12,Ss18l2,protein_coding	0.06761007	0.4859689
ENSMUSG00000094936.9,Rbm4,protein_coding	0.06760298	0.45149124
ENSMUSG00000040888.12,Gfer,protein_coding	0.0675815	0.66666888
ENSMUSG00000020546.15,Stxbp4,protein_coding	0.0675741	0.43821627
ENSMUSG00000039449.15,Prpf18,protein_coding	0.06745827	0.26559122
ENSMUSG00000105224.2,Gm3364,lncRNA	0.06741638	0.82850585
ENSMUSG00000024395.10,Lims2,protein_coding	0.06739967	0.78496826
ENSMUSG00000002059.19,Rab34,protein_coding	0.06737083	0.68456938
ENSMUSG00000026526.15,Fh1,protein_coding	0.06734637	0.56942004
ENSMUSG00000039474.14,Wfs1,protein_coding	0.06732586	0.73607661
ENSMUSG00000039148.6,Sart1,protein_coding	0.06731333	0.49927154
ENSMUSG00000032018.15,Sc5d,protein_coding	0.06719417	0.4556701
ENSMUSG00000035441.15,Myo1d,protein_coding	0.0671753	0.57485162
ENSMUSG00000086496.4,Gm14204,lncRNA	0.06713347	0.69206001
ENSMUSG00000035864.15,Syt1,protein_coding	0.06706373	0.66342749
ENSMUSG00000065392.3,Gm25894,snoRNA	0.06703245	0.90353433
ENSMUSG00000029587.17,Zfp12,protein_coding	0.06700551	0.29345362
ENSMUSG00000093904.3,Tomm20,protein_coding	0.0670012	0.52889025

ENSMUSG00000023826.18,Prkn,protein_coding	0.06698981	0.54768123
ENSMUSG00000034320.15,Slc26a2,protein_coding	0.06697963	0.59253528
ENSMUSG00000112483.2,Gm48542,TEC	0.06695128	0.69017444
ENSMUSG00000030614.9,Tmem126b,protein_coding	0.06686828	0.42706411
ENSMUSG00000027692.17,Tnik,protein_coding	0.06672132	0.58073123
ENSMUSG00000107240.2,Gm43231,TEC	0.06670194	0.71469709
ENSMUSG00000031691.15,Tnpo2,protein_coding	0.06666577	0.48006679
ENSMUSG00000026227.12,2810459M11Rik,protein_coding	0.06664216	0.73781615
ENSMUSG00000074748.4,Atxn7l3b,protein_coding	0.06664177	0.38723992
ENSMUSG00000060260.14,Pwwp2b,protein_coding	0.06662974	0.66780654
ENSMUSG00000078349.6,AW011738,lncRNA	0.06662493	0.58559857
ENSMUSG00000048070.5,Pirt,protein_coding	0.06662216	0.92187103
ENSMUSG00000039354.17,Smarcal1,protein_coding	0.06659772	0.48117868
ENSMUSG00000121350.2,ENSMUSG00000121350,lncRNA	0.06659466	0.86080222
ENSMUSG00000023118.16,Sympk,protein_coding	0.06658537	0.39746969
ENSMUSG00000036792.13,Mbd5,protein_coding	0.06644463	0.39710835
ENSMUSG00000128256.1,ENSMUSG00000128256,lncRNA	0.06637839	0.81733862
ENSMUSG00000108154.2,Gm44033,TEC	0.06635813	0.79600313
ENSMUSG00000079484.13,Phyhd1,protein_coding	0.06634686	0.74871623
ENSMUSG00000097760.4,6030442K20Rik,lncRNA	0.06623327	0.75747236
ENSMUSG00000031488.15,Rab11fip1,protein_coding	0.0662298	0.70054067
ENSMUSG00000032883.16,Acsl3,protein_coding	0.06618113	0.49536413
ENSMUSG00000050088.10,1600012H06Rik,protein_coding	0.06614862	0.64562159
ENSMUSG00000036863.13,Syde2,protein_coding	0.06613076	0.69914883
ENSMUSG00000040488.20,Ltbp4,protein_coding	0.06612254	0.71890943
ENSMUSG00000057176.5,Cfap119,protein_coding	0.06610308	0.73070215
ENSMUSG00000021051.11,Ppp2r5e,protein_coding	0.06607091	0.36560792
ENSMUSG00000034485.11,Uaca,protein_coding	0.06605203	0.6351499
ENSMUSG00000046321.9,Hs3st2,protein_coding	0.0660436	0.85266699
ENSMUSG00000115842.2,Gm49092,lncRNA	0.06598415	0.82325302
ENSMUSG00000028125.15,Abca4,protein_coding	0.06597866	0.82488647
ENSMUSG00000041624.11,Gucy1a2,protein_coding	0.06595467	0.57867529
ENSMUSG00000037251.6,Pomk,protein_coding	0.06591885	0.54377381
ENSMUSG00000046854.17,Pip5kl1,protein_coding	0.06589557	0.80562284
ENSMUSG00000078117.3,Gm16485,TEC	0.06588696	0.61952247
ENSMUSG00000022577.19,Ly6h,protein_coding	0.06587316	0.73690032
ENSMUSG00000021209.13,Ppp4r4,protein_coding	0.06581582	0.57416741
ENSMUSG00000025437.16,Usp33,protein_coding	0.06577462	0.35294977
ENSMUSG00000111254.2,Gm48717,TEC	0.06573447	0.74286126
ENSMUSG00000105742.2,Gm42748,TEC	0.06573157	0.73581621
ENSMUSG00000025413.14,Ttc4,protein_coding	0.06566994	0.39597827
ENSMUSG00000026198.16,Abcb6,protein_coding	0.065638	0.64432438
ENSMUSG00000055116.9,Bmal1,protein_coding	0.06561071	0.54523459
ENSMUSG00000044364.6,Tmem74b,protein_coding	0.06560717	0.81287987
ENSMUSG00000054640.17,Slc8a1,protein_coding	0.06556354	0.58075472
ENSMUSG00000054013.7,Tmem179,protein_coding	0.06552326	0.75808825
ENSMUSG00000025145.14,Lrrc45,protein_coding	0.06552129	0.71108553
ENSMUSG00000041986.18,Elmod1,protein_coding	0.06548575	0.64202802
ENSMUSG00000031622.17,Sin3b,protein_coding	0.06548159	0.47960333
ENSMUSG00000037946.12,Fgd3,protein_coding	0.06535764	0.63129562
ENSMUSG00000074899.7,Sptbn5,protein_coding	0.06526562	0.8115391
ENSMUSG00000078765.12,U2af1l4,protein_coding	0.06522098	0.61924677

ENSMUSG00000048347.6,Pcdhb18,protein_coding	0.06520405	0.59131466
ENSMUSG00000085316.4,D330050G23Rik,lncRNA	0.06519666	0.73228197
ENSMUSG00000003037.17,Rab8a,protein_coding	0.06511705	0.51704786
ENSMUSG00000040506.17,Ambra1,protein_coding	0.06509749	0.44897731
ENSMUSG00000063568.12,Jazf1,protein_coding	0.06497181	0.67263732
ENSMUSG00000010453.13,Kansl3,protein_coding	0.06496556	0.46964696
ENSMUSG00000074671.7,Tspyl3,protein_coding	0.06491232	0.60752689
ENSMUSG00000037730.14,Mynn,protein_coding	0.06486675	0.53567478
ENSMUSG00000073471.4,Rsph3a,protein_coding	0.06486669	0.74016624
ENSMUSG00000085227.4,6330418K02Rik,lncRNA	0.06477525	0.69886953
ENSMUSG00000111504.3,Gm48284,lncRNA	0.06476421	0.86886717
ENSMUSG00000032280.18,Tle3,protein_coding	0.06474913	0.62991821
ENSMUSG00000045608.8,Dbx2,protein_coding	0.0647127	0.57226964
ENSMUSG00000022822.18,Abcc5,protein_coding	0.06469593	0.49972974
ENSMUSG00000040532.15,Abhd11,protein_coding	0.0646243	0.67114773
ENSMUSG00000009555.17,Cdk9,protein_coding	0.06441231	0.50003187
ENSMUSG00000116290.3,Gm49518,lncRNA	0.06439508	0.8168227
ENSMUSG00000037443.14,Cep85,protein_coding	0.06436869	0.50408392
ENSMUSG00000025920.20,Stau2,protein_coding	0.06435803	0.51543226
ENSMUSG00000042761.15,Mrap2,protein_coding	0.0642894	0.83734069
ENSMUSG00000033955.14,Tnks1bp1,protein_coding	0.06426133	0.61776189
ENSMUSG00000022744.13,Cldnd1,protein_coding	0.0642201	0.3984696
ENSMUSG00000121606.1,Akap17a,protein_coding	0.06420186	0.65544321
ENSMUSG00000027778.17,Ift80,protein_coding	0.06417551	0.46738467
ENSMUSG00000018882.13,Mrpl45,protein_coding	0.06417346	0.45462578
ENSMUSG00000082029.2,H3f3c,processed_pseudogene	0.06408624	0.95969047
ENSMUSG00000018196.19,Glrx2,protein_coding	0.06404232	0.47968525
ENSMUSG00000041028.17,Ghitm,protein_coding	0.0640111	0.48922382
ENSMUSG00000032420.9,Nt5e,protein_coding	0.06399504	0.76150733
ENSMUSG00000060261.17,Gtf2i,protein_coding	0.06398504	0.38602302
ENSMUSG00000036534.7,Slc38a7,protein_coding	0.0639386	0.55234025
ENSMUSG00000042700.17,Sipa1l1,protein_coding	0.06392284	0.68716791
ENSMUSG00000056476.14,Med12l,protein_coding	0.06391229	0.36249238
ENSMUSG00000028149.13,Rap1gds1,protein_coding	0.06389472	0.57049409
ENSMUSG00000106087.2,Gm43609,TEC	0.06389321	0.71277932
ENSMUSG00000037017.16,Zscan21,protein_coding	0.06387678	0.50982381
ENSMUSG00000113831.2,Gm49602,lncRNA	0.0638344	0.67120362
ENSMUSG00000103081.4,Pcdhgb8,protein_coding	0.06381754	0.60504494
ENSMUSG00000121066.1,Gm57402,lncRNA	0.06377708	0.72291935
ENSMUSG00000037747.10,Phyhipl,protein_coding	0.06374758	0.48737449
ENSMUSG00000036790.6,Slitrk2,protein_coding	0.06371326	0.59271676
ENSMUSG00000045092.9,S1pr1,protein_coding	0.06368038	0.46833594
ENSMUSG00000034175.14,Rhbdd3,protein_coding	0.06366258	0.72279363
ENSMUSG00000034429.16,Zfp707,protein_coding	0.06365661	0.65439107
ENSMUSG00000024413.15,Npc1,protein_coding	0.06359598	0.35178333
ENSMUSG00000015869.18,Prpsap1,protein_coding	0.06358473	0.45820081
ENSMUSG00000026027.14,Stradb,protein_coding	0.06357317	0.4541704
ENSMUSG00000073988.14,Ttpa,protein_coding	0.06354266	0.82910151
ENSMUSG00000006095.13,Tbcb,protein_coding	0.0633569	0.71023208
ENSMUSG00000047554.15,Tmem41b,protein_coding	0.06335356	0.41154186
ENSMUSG00000064370.1,mt-Cytb,protein_coding	0.06334526	0.77638279
ENSMUSG00000012114.18,Med15,protein_coding	0.06331677	0.46362631

ENSMUSG00000020085.16,Aifm2,protein_coding	0.06328636	0.66049574
ENSMUSG00000037996.18,Slc24a2,protein_coding	0.06324925	0.60718313
ENSMUSG00000035284.11,Vps13c,protein_coding	0.06321102	0.34088984
ENSMUSG00000079003.4,Samd1,protein_coding	0.06315745	0.5353218
ENSMUSG00000055862.8,Izumo4,protein_coding	0.06311553	0.63147069
ENSMUSG00000059119.10,Nap1l4,protein_coding	0.06309808	0.40882786
ENSMUSG00000042116.4,Vwa1,protein_coding	0.06308403	0.65201623
ENSMUSG00000063796.10,Slc22a8,protein_coding	0.06307045	0.65378538
ENSMUSG00000025607.16,Copg2,protein_coding	0.06301583	0.48267619
ENSMUSG00000032332.18,Col12a1,protein_coding	0.06300761	0.59895779
ENSMUSG00000026798.11,Coq4,protein_coding	0.06299635	0.69081666
ENSMUSG00000021234.10,Fam161b,protein_coding	0.0629953	0.53587606
ENSMUSG00000004070.16,Hmox2,protein_coding	0.06293049	0.56132465
ENSMUSG00000057554.14,Lgals8,protein_coding	0.06281453	0.45627911
ENSMUSG00000103364.2,Gm38157,TEC	0.06281229	0.72070449
ENSMUSG00000133636.1,ENSMUSG00000133636,lncRNA	0.06280286	0.76921129
ENSMUSG00000029499.12,Pxmp2,protein_coding	0.06276525	0.78471996
ENSMUSG00000023021.16,Cers5,protein_coding	0.06261756	0.40181445
ENSMUSG00000052504.8,Epha3,protein_coding	0.06256657	0.72683218
ENSMUSG00000109460.2,Gm45591,lncRNA	0.06255186	0.7994766
ENSMUSG00000041375.20,Ccdc9,protein_coding	0.06254687	0.44338762
ENSMUSG00000044807.14,Zfp354c,protein_coding	0.06251461	0.54257776
ENSMUSG00000032612.15,Usp4,protein_coding	0.06243525	0.3188695
ENSMUSG00000113689.3,Gm29676,lncRNA	0.06238878	0.82274855
ENSMUSG00000096977.4,Gm10827,lncRNA	0.06234591	0.82524588
ENSMUSG00000014361.6,Mertk,protein_coding	0.06234346	0.60155163
ENSMUSG00000112763.4,Gm34304,lncRNA	0.06231865	0.87965555
ENSMUSG00000022228.15,Zscan26,protein_coding	0.06215028	0.39934571
ENSMUSG00000028760.18,Eif4g3,protein_coding	0.06212777	0.31821231
ENSMUSG00000015002.19,Efr3a,protein_coding	0.06212287	0.53242876
ENSMUSG00000074305.10,Peak1,protein_coding	0.06203765	0.54534438
ENSMUSG00000023092.17,Fhl1,protein_coding	0.06200135	0.46858537
ENSMUSG00000022150.17,Dab2,protein_coding	0.0619959	0.66981687
ENSMUSG00000024758.16,Rtn3,protein_coding	0.06196581	0.575288
ENSMUSG00000094622.4,Gm3055,protein_coding	0.06196256	0.82609149
ENSMUSG00000129595.1,ENSMUSG00000129595,lncRNA	0.06189148	0.82419991
ENSMUSG00000135907.1,ENSMUSG00000135907,lncRNA	0.06188902	0.77492114
ENSMUSG00000022561.14,Gpaa1,protein_coding	0.06188432	0.67375935
ENSMUSG00000006782.17,Cnp,protein_coding	0.06187979	0.53336321
ENSMUSG00000049600.10,Zbtb45,protein_coding	0.06184434	0.62077267
ENSMUSG00000004947.16,Dtx2,protein_coding	0.06176802	0.62498413
ENSMUSG00000120367.2,Gm57294,lncRNA	0.06175296	0.7418598
ENSMUSG00000029571.15,Tmem106b,protein_coding	0.06174343	0.53941649
ENSMUSG00000029463.6,Fam216a,protein_coding	0.06173924	0.62219577
ENSMUSG00000019873.9,Reep3,protein_coding	0.06173037	0.61267826
ENSMUSG00000083798.2,Gm14584,processed_pseudogene	0.06170553	0.62118126
ENSMUSG00000018417.15,Myo1b,protein_coding	0.06168457	0.71143955
ENSMUSG00000108551.2,Gm20274,lncRNA	0.06166266	0.81571093
ENSMUSG00000112947.2,Gm47493,TEC	0.06164992	0.78825673
ENSMUSG00000023966.9,Rsph9,protein_coding	0.0616473	0.81590812
ENSMUSG00000020721.17,Helz,protein_coding	0.06151952	0.27974521
ENSMUSG00000026471.15,Mr1,protein_coding	0.06151073	0.72223965

ENSMUSG00000059244.7,Gm10062,lncRNA	0.06149814	0.84864424
ENSMUSG00000038861.15,Pi4kb,protein_coding	0.06137908	0.42114054
ENSMUSG00000085321.3,4930412F09Rik,lncRNA	0.06128218	0.85407994
ENSMUSG00000032870.9,Smap2,protein_coding	0.06127675	0.51988598
ENSMUSG00000071655.13,Ubxn1,protein_coding	0.06126243	0.57661653
ENSMUSG00000052707.9,Tnrc6a,protein_coding	0.06124112	0.40108835
ENSMUSG00000052698.16,Tln2,protein_coding	0.06123626	0.52644274
ENSMUSG00000031090.15,Nadsyn1,protein_coding	0.06120491	0.75679914
ENSMUSG00000025986.7,Slc39a10,protein_coding	0.06118016	0.6392843
ENSMUSG00000103539.2,Gm37834,TEC	0.06117846	0.8004308
ENSMUSG00000006931.16,P3h4,protein_coding	0.06109645	0.74994315
ENSMUSG00000016386.16,Mpped2,protein_coding	0.06106623	0.65521217
ENSMUSG00000044676.11,Zfp612,protein_coding	0.06103775	0.40161172
ENSMUSG00000051920.8,Rspo2,protein_coding	0.06103568	0.82280381
ENSMUSG00000115360.2,Gm48932,TEC	0.06100832	0.85198941
ENSMUSG00000033676.14,Gabrb3,protein_coding	0.06099246	0.6568684
ENSMUSG00000024422.15,Dhx16,protein_coding	0.06096242	0.59988525
ENSMUSG00000038909.18,Kat7,protein_coding	0.06095996	0.43382725
ENSMUSG00000029310.14,Nudt9,protein_coding	0.06094839	0.63682506
ENSMUSG00000036894.4,Rap2b,protein_coding	0.06089781	0.67257185
ENSMUSG00000006906.11,Stambp,protein_coding	0.06089223	0.39952112
ENSMUSG00000043460.8,Elfn2,protein_coding	0.06087638	0.71654132
ENSMUSG00000119843.1,Gm25646,snoRNA	0.06077301	0.84570805
ENSMUSG00000023939.8,Mrpl14,protein_coding	0.06075588	0.79712367
ENSMUSG00000044916.11,Frey1,protein_coding	0.06072781	0.83376727
ENSMUSG00000058656.14,Samd12,protein_coding	0.06058851	0.60615193
ENSMUSG00000033416.16,Gucd1,protein_coding	0.06050347	0.66924014
ENSMUSG00000067242.12,Lgi1,protein_coding	0.06050304	0.63586271
ENSMUSG00000032245.13,Cln6,protein_coding	0.06049866	0.71286664
ENSMUSG00000096687.9,Mfsd4b4,protein_coding	0.06046392	0.65302739
ENSMUSG00000028497.13,Hacd4,protein_coding	0.06045246	0.80288835
ENSMUSG00000034274.12,Thoc5,protein_coding	0.06042584	0.57201039
ENSMUSG00000102630.2,Gm37289,TEC	0.06037432	0.76383795
ENSMUSG00000137360.1,ENSMUSG00000137360,lncRNA	0.06036578	0.82737493
ENSMUSG00000110993.2,Gm47963,TEC	0.06035485	0.68349712
ENSMUSG00000039852.18,Rere,protein_coding	0.06027635	0.49710786
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ENSMUSG00000047098.19,Rnf31,protein_coding	0.06026296	0.61234792
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ENSMUSG00000060176.5,Kif27,protein_coding	0.06023098	0.78840533
ENSMUSG00000020590.17,Snx13,protein_coding	0.06020411	0.59868241
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ENSMUSG00000020840.11,Blmh,protein_coding	0.06018385	0.55762981
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ENSMUSG00000002064.11,Sdf2,protein_coding	0.0601595	0.66713708
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ENSMUSG00000051890.14,Klhdc1,protein_coding	0.06009594	0.63073118
ENSMUSG00000000149.11,Gna12,protein_coding	0.06006387	0.51079972
ENSMUSG00000002846.10,Timmdc1,protein_coding	0.06005777	0.53760225
ENSMUSG00000030316.14,Tamm41,protein_coding	0.06003044	0.60893191
ENSMUSG00000017692.9,Rhbdl3,protein_coding	0.06001304	0.74465856
ENSMUSG00000002372.10,Ranbp3,protein_coding	0.05996468	0.55018542

ENSMUSG00000031740.9,Mmp2,protein_coding	0.05994255	0.84024483
ENSMUSG00000001496.16,Nkx2-1,protein_coding	0.05987798	0.93894157
ENSMUSG00000041782.15,Lad1,protein_coding	0.05987706	0.83624833
ENSMUSG00000042015.19,Wdr41,protein_coding	0.0598565	0.41597693
ENSMUSG00000049100.16,Pcdh10,protein_coding	0.05982589	0.72126146
ENSMUSG00000042423.10,Fbrs,protein_coding	0.0597895	0.51887544
ENSMUSG00000107364.2,Gm43051,TEC	0.05964312	0.69680508
ENSMUSG00000002031.14,Ift46,protein_coding	0.05962573	0.52632541
ENSMUSG00000112056.2,Gm48181,TEC	0.05956841	0.81434345
ENSMUSG00000034973.17,Dop1a,protein_coding	0.05951167	0.46738273
ENSMUSG00000030584.15,Dpf1,protein_coding	0.05943065	0.72246837
ENSMUSG00000038156.17,Spon1,protein_coding	0.05941772	0.46706969
ENSMUSG00000048218.7,Amigo2,protein_coding	0.05934366	0.79268853
ENSMUSG00000057375.14,Yipf1,protein_coding	0.05933872	0.56568482
ENSMUSG00000046387.6,Pcdhb17,protein_coding	0.05926044	0.52596749
ENSMUSG00000003062.14,Stard3nl,protein_coding	0.0591543	0.50108211
ENSMUSG00000004110.19,Cacna1e,protein_coding	0.05912466	0.68433481
ENSMUSG00000106416.2,Gm5857,processed_pseudogene	0.0590482	0.82610705
ENSMUSG00000079658.10,Eloc,protein_coding	0.05904013	0.63650045
ENSMUSG00000034723.12,Tmx4,protein_coding	0.05903954	0.55200699
ENSMUSG00000036450.5,Hif1an,protein_coding	0.05899678	0.42842057
ENSMUSG00000072769.9,Gm10419,lncRNA	0.05889522	0.71181083
ENSMUSG00000029199.12,Lias,protein_coding	0.05888168	0.49173411
ENSMUSG00000042104.19,Uggt2,protein_coding	0.05885495	0.56601844
ENSMUSG00000042271.14,Nxt2,protein_coding	0.05884706	0.73922713
ENSMUSG00000103747.2,Gm38236,TEC	0.05882427	0.81125196
ENSMUSG00000028822.12,Tmem50a,protein_coding	0.05873123	0.57171185
ENSMUSG00000029156.12,Sgcb,protein_coding	0.05872446	0.50060953
ENSMUSG00000063904.5,Dpp3,protein_coding	0.05871268	0.54889305
ENSMUSG00000018559.17,Ctdnep1,protein_coding	0.05868969	0.48889454
ENSMUSG00000001948.11,Spa17,protein_coding	0.05866673	0.91818102
ENSMUSG00000054871.6,Tmem158,protein_coding	0.05860428	0.78087449
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ENSMUSG00000078307.4,AI593442,protein_coding	0.05852758	0.74476799
ENSMUSG00000033392.17,Clasp2,protein_coding	0.05848096	0.39250127
ENSMUSG00000039263.17,Npepl1,protein_coding	0.05846848	0.75299
ENSMUSG00000109638.2,Gm45630,TEC	0.05836102	0.65508319
ENSMUSG00000040820.17,Hlcs,protein_coding	0.05827008	0.59678373
ENSMUSG00000062590.14,Armc9,protein_coding	0.05823748	0.63191066
ENSMUSG00000001415.11,Smg5,protein_coding	0.05821704	0.53325024
ENSMUSG00000077734.3,Snord83b,snoRNA	0.05815243	0.70096599
ENSMUSG00000010044.13,Zmynd10,protein_coding	0.05815141	0.87229389
ENSMUSG00000024978.12,Gpam,protein_coding	0.05815036	0.36802809
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ENSMUSG00000048281.10,Dleu7,protein_coding	0.0580392	0.89242365
ENSMUSG00000037621.9,Atoh8,protein_coding	0.05800334	0.85148785
ENSMUSG00000044221.15,Grsf1,protein_coding	0.05799737	0.53349956
ENSMUSG00000014551.9,Mrps25,protein_coding	0.05796092	0.56072448
ENSMUSG00000033904.17,Ccp110,protein_coding	0.05792183	0.51839071
ENSMUSG00000094483.3,Purb,protein_coding	0.05790689	0.59564679
ENSMUSG00000049946.8,BC030500,protein_coding	0.0578745	0.78381312
ENSMUSG00000039539.14,Sgcz,protein_coding	0.05782221	0.78460955

ENSMUSG00000028194.16,Ddah1,protein_coding	0.05777144	0.58099215
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ENSMUSG00000021038.18,Vipas39,protein_coding	0.05773192	0.45511515
ENSMUSG00000023921.10,Mmut,protein_coding	0.05773042	0.52215242
ENSMUSG00000019872.14,Smpdl3a,protein_coding	0.0577049	0.69095536
ENSMUSG00000041837.5,Pdcd7,protein_coding	0.0577017	0.61525114
ENSMUSG00000073062.4,Zxdb,protein_coding	0.05759751	0.59040527
ENSMUSG00000020307.17,Cdc34,protein_coding	0.05757218	0.63010052
ENSMUSG00000054302.17,Eapp,protein_coding	0.05757006	0.40741218
ENSMUSG00000039552.15,Rsph4a,protein_coding	0.05751923	0.82992164
ENSMUSG00000063362.14,Alg11,protein_coding	0.05751172	0.51440451
ENSMUSG00000103803.2,Gm37064,TEC	0.0574192	0.87920036
ENSMUSG00002074846.1,Vaultrc5,misc_RNA	0.05740234	0.78647823
ENSMUSG00000028385.15,Snx30,protein_coding	0.05736552	0.51327571
ENSMUSG00000034621.15,Gpatch8,protein_coding	0.05731946	0.52988994
ENSMUSG00000041852.16,Tcf20,protein_coding	0.05730588	0.42605565
ENSMUSG00000094306.3,Gm24924,snRNA	0.05725605	0.90151487
ENSMUSG00000029623.15,Pdap1,protein_coding	0.05725239	0.46762988
ENSMUSG00000018481.10,Appbp2,protein_coding	0.05723898	0.42606028
ENSMUSG00000023224.13,Serping1,protein_coding	0.05723485	0.90166675
ENSMUSG00000030761.17,Myo7a,protein_coding	0.05720875	0.88402912
ENSMUSG00000104310.2,Gm4081,TEC	0.05712349	0.90330527
ENSMUSG00000037847.15,Nmrk1,protein_coding	0.05710681	0.81680193
ENSMUSG00000030315.16,Vgll4,protein_coding	0.05710599	0.49015935
ENSMUSG00000100017.4,2410022M11Rik,lncRNA	0.05699239	0.78845841
ENSMUSG00000034345.15,Gtf2h5,protein_coding	0.05691583	0.52959073
ENSMUSG00000063480.9,Snu13,protein_coding	0.05691547	0.57716853
ENSMUSG00000028391.17,Wdr31,protein_coding	0.05689076	0.76220446
ENSMUSG00000020170.5,Frs2,protein_coding	0.05688784	0.41931778
ENSMUSG00000029924.13,Slc37a3,protein_coding	0.05688694	0.52321382
ENSMUSG00000083122.2,Gm15578,unprocessed_pseudogene	0.0568516	0.83617612
ENSMUSG00000064364.1,mt-Th,Mt_tRNA	0.05684877	0.89832334
ENSMUSG00000053199.14,Arhgap20,protein_coding	0.05680619	0.69754044
ENSMUSG00000106825.2,2510016D11Rik,TEC	0.05675515	0.7751804
ENSMUSG00000103696.2,Gm37531,TEC	0.05673059	0.70958488
ENSMUSG00000030870.13,Ubfd1,protein_coding	0.05669295	0.5271121
ENSMUSG00000033191.15,Tie1,protein_coding	0.05669139	0.61314404
ENSMUSG00000096948.5,Gm4221,lncRNA	0.05668314	0.7363914
ENSMUSG00000028778.16,Hcrtr1,protein_coding	0.05665443	0.8940637
ENSMUSG00000087370.4,Tmem170b,protein_coding	0.0566417	0.55986534
ENSMUSG00000028478.19,Clta,protein_coding	0.05662939	0.58725373
ENSMUSG00000130932.1,ENSMUSG00000130932,lncRNA	0.05662057	0.75960397
ENSMUSG00000024082.6,Ndufaf7,protein_coding	0.05659713	0.61744233
ENSMUSG00000025427.16,Ark2c,protein_coding	0.0565468	0.71125597
ENSMUSG00000024456.18,Diaph1,protein_coding	0.05644649	0.46858503
ENSMUSG00000007908.15,Hmgcll1,protein_coding	0.05644497	0.59597095
ENSMUSG00000055839.7,Elob,protein_coding	0.05643273	0.65646168
ENSMUSG00000022324.17,Matn2,protein_coding	0.05639863	0.78513275
ENSMUSG00000026788.14,Zbtb43,protein_coding	0.05631656	0.45444858
ENSMUSG00000006676.18,Usp19,protein_coding	0.05624955	0.45793975
ENSMUSG00000046798.15,Cldn12,protein_coding	0.05623373	0.58775975
ENSMUSG00000028082.15,Sh3d19,protein_coding	0.056199	0.61176591

ENSMUSG00000092094.6,Zfp804b,protein_coding	0.05618994	0.83708476
ENSMUSG00000035007.6,Rundc1,protein_coding	0.05618984	0.63050951
ENSMUSG00000089809.10,Rasgef1b,protein_coding	0.05618414	0.72152649
ENSMUSG00000062232.15,Rapgef2,protein_coding	0.05618266	0.60162545
ENSMUSG00000031839.8,Hsbp1,protein_coding	0.05616972	0.6110825
ENSMUSG00000042485.8,Mustn1,protein_coding	0.05615123	0.87174246
ENSMUSG00000045482.17,Trrap,protein_coding	0.05613661	0.51576524
ENSMUSG00000002625.11,Akap8l,protein_coding	0.05613167	0.62501745
ENSMUSG00000052087.15,Rgs14,protein_coding	0.0561171	0.80793901
ENSMUSG00000042496.19,Prdm10,protein_coding	0.05608493	0.55053829
ENSMUSG00000113575.2,A930023M06Rik,lncRNA	0.05604731	0.86770678
ENSMUSG00000057777.6,Mab21l2,protein_coding	0.05603562	0.92982095
ENSMUSG00000039770.7,Ypel5,protein_coding	0.05602953	0.54781539
ENSMUSG00000023911.13,Flywch2,protein_coding	0.05600596	0.83658266
ENSMUSG00000050668.11,Gpatch11,protein_coding	0.05596279	0.54036509
ENSMUSG00000026988.16,Wdsub1,protein_coding	0.05596127	0.68985271
ENSMUSG00000073680.3,Tmem88b,protein_coding	0.0559039	0.61914471
ENSMUSG00000039483.11,Asb6,protein_coding	0.0558932	0.60015052
ENSMUSG00000027860.17,Vangl1,protein_coding	0.05585378	0.8402942
ENSMUSG00000105553.2,Gm42514,TEC	0.05584867	0.86909244
ENSMUSG00000029640.18,Usp12,protein_coding	0.05578416	0.48043207
ENSMUSG00000060380.5,C030014I23Rik,lncRNA	0.05577434	0.81417298
ENSMUSG00000076928.6,Trac,TR_C_gene	0.05574308	0.93023156
ENSMUSG00000005899.15,Smpd4,protein_coding	0.05567662	0.63583121
ENSMUSG00000042712.11,Tceal9,protein_coding	0.05562988	0.5763672
ENSMUSG00000011306.8,Sugp1,protein_coding	0.05558744	0.47059162
ENSMUSG00000081829.2,Gm15460,processed_pseudogene	0.0555551	0.912809
ENSMUSG00000061306.17,Slc38a10,protein_coding	0.05551473	0.60147489
ENSMUSG00000026154.5,Sdhaf4,protein_coding	0.05551038	0.73353588
ENSMUSG00000062929.9,Cfl2,protein_coding	0.05540318	0.60407692
ENSMUSG00000050052.13,Tdrp,protein_coding	0.05539999	0.6786972
ENSMUSG00000037262.8,Kin,protein_coding	0.05539431	0.7569371
ENSMUSG00000141102.1,ENSMUSG00000141102,lncRNA	0.05536888	0.94154414
ENSMUSG00000074939.4,Chrm5,protein_coding	0.05531435	0.9108123
ENSMUSG00000042660.9,Wdr55,protein_coding	0.05526986	0.76113051
ENSMUSG00000004788.12,Eif2b2,protein_coding	0.05521388	0.75213389
ENSMUSG00000033214.11,Slitrk5,protein_coding	0.05519314	0.71480114
ENSMUSG00000121004.2,Gm57302,lncRNA	0.055185	0.84797705
ENSMUSG00000073987.5,Ggh,protein_coding	0.05514325	0.74328649
ENSMUSG00000122922.1,ENSMUSG00000122922,lncRNA	0.05509342	0.89053984
ENSMUSG00000044528.6,Tram1l1,protein_coding	0.05505444	0.70007821
ENSMUSG00000002910.12,Arrdc2,protein_coding	0.05505196	0.83913773
ENSMUSG00000032475.16,Nck1,protein_coding	0.05505052	0.68944343
ENSMUSG00000020108.5,Ddit4,protein_coding	0.05503729	0.83061147
ENSMUSG00000074521.11,Zfp1003,protein_coding	0.0550338	0.75816405
ENSMUSG00000024507.7,Hsd17b4,protein_coding	0.05503014	0.57711384
ENSMUSG00000042208.17,Sanbr,protein_coding	0.05494258	0.56419843
ENSMUSG00000050930.6,Map10,protein_coding	0.05492314	0.69091356
ENSMUSG00000025162.19,Csnk1d,protein_coding	0.05489975	0.51745297
ENSMUSG00000038084.17,Opa1,protein_coding	0.05482654	0.51509494
ENSMUSG00000024792.10,Zfpl1,protein_coding	0.05481608	0.6952278
ENSMUSG00000037366.15,Pafah2,protein_coding	0.05477267	0.71799796

ENSMUSG00000108456.2,4732496C06Rik,lncRNA	0.05471406	0.7073383
ENSMUSG00000037686.7,Aspg,protein_coding	0.05466625	0.86180652
ENSMUSG00000000171.6,Sdhd,protein_coding	0.05464187	0.58515173
ENSMUSG00000038497.8,Tmco3,protein_coding	0.05458182	0.5087138
ENSMUSG00000018287.13,Spag7,protein_coding	0.05451405	0.56185698
ENSMUSG00000005267.14,Zfp287,protein_coding	0.05448123	0.48964858
ENSMUSG00000043153.7,Crppa,protein_coding	0.05446313	0.60736642
ENSMUSG00000030034.13,Ino80b,protein_coding	0.05442364	0.80134981
ENSMUSG00000022580.14,Rhpn1,protein_coding	0.05442311	0.82016746
ENSMUSG00000031447.8,Lamp1,protein_coding	0.0544026	0.53129552
ENSMUSG00000075324.14,Fign,protein_coding	0.05439872	0.74778871
ENSMUSG00000000948.17,Gm38393,protein_coding	0.05437419	0.73374431
ENSMUSG00000040785.20,Ttc3,protein_coding	0.05437296	0.54084806
ENSMUSG00000040536.16,Necab1,protein_coding	0.05437243	0.78928084
ENSMUSG00000109733.3,Gm33940,lncRNA	0.0543054	0.90899259
ENSMUSG00000021596.18,Mctp1,protein_coding	0.05428213	0.71863834
ENSMUSG00000024969.17,Mark2,protein_coding	0.05426195	0.54159819
ENSMUSG00000015843.11,Rxrg,protein_coding	0.05423664	0.87654342
ENSMUSG00000074576.5,Mocs3,protein_coding	0.05420369	0.75724878
ENSMUSG00000103947.2,Gm37345,TEC	0.05417511	0.84076618
ENSMUSG00000108572.2,Gm44883,TEC	0.05415847	0.83368767
ENSMUSG00000026162.9,Nhej1,protein_coding	0.05415847	0.82942204
ENSMUSG00000068732.6,Tmem167b,protein_coding	0.05415766	0.49185496
ENSMUSG00000120300.2,Gm56828,lncRNA	0.05414899	0.84458429
ENSMUSG00000056493.10,Foxk1,protein_coding	0.05411159	0.48934927
ENSMUSG00000008090.15,Fgfrl1,protein_coding	0.05406842	0.70485198
ENSMUSG00000034842.17,Art3,protein_coding	0.05406401	0.87332799
ENSMUSG00000034987.5,Hrh2,protein_coding	0.05401242	0.73444909
ENSMUSG00000103756.2,Gm37285,TEC	0.05400175	0.82753397
ENSMUSG00000020441.7,2310033P09Rik,protein_coding	0.05396001	0.7217066
ENSMUSG00000031382.15,Asb11,protein_coding	0.05395548	0.88857446
ENSMUSG00000021575.17,Ahrr,protein_coding	0.05394289	0.88589047
ENSMUSG00000083811.2,Gm13071,processed_pseudogene	0.05391366	0.84825156
ENSMUSG00000025006.19,Sorbs1,protein_coding	0.05389441	0.62319143
ENSMUSG00000048485.13,Zbtb8b,protein_coding	0.05388974	0.80768365
ENSMUSG00000109776.3,Gm30400,lncRNA	0.05383953	0.84558156
ENSMUSG00000032017.15,Grik4,protein_coding	0.05371864	0.76486168
ENSMUSG00000001151.11,Pcnt,protein_coding	0.0537051	0.59743123
ENSMUSG00000117069.3,Gm49894,lncRNA	0.05367058	0.84174467
ENSMUSG00000024423.7,Impact,protein_coding	0.05365206	0.69663372
ENSMUSG00000028456.19,Unc13b,protein_coding	0.05361109	0.65406141
ENSMUSG00000056832.15,Ift56,protein_coding	0.05361084	0.66324527
ENSMUSG00000104195.2,B230377A18Rik,TEC	0.0535936	0.86411281
ENSMUSG00000063856.9,Gpx1,protein_coding	0.05345651	0.7248088
ENSMUSG00000019864.15,Rtn4ip1,protein_coding	0.05340195	0.58682795
ENSMUSG00000060733.14,Ipmk,protein_coding	0.05333941	0.46393817
ENSMUSG00000033579.17,Fa2h,protein_coding	0.0533076	0.69476043
ENSMUSG00000103403.2,Gm37931,TEC	0.05330102	0.78676763
ENSMUSG00000036333.12,Kidins220,protein_coding	0.0532166	0.49067178
ENSMUSG00000023262.14,Acy1,protein_coding	0.05316208	0.7025648
ENSMUSG00000025231.18,Sufu,protein_coding	0.05314807	0.53387313
ENSMUSG00002076675.1,Gm56334,misc_RNA	0.05310603	0.89229719

ENSMUSG00000060803.7,Gstp1,protein_coding	0.05307359	0.72839258
ENSMUSG00000038838.16,Vars2,protein_coding	0.05301547	0.69886166
ENSMUSG00000079414.7,Gm11110,lncRNA	0.05299962	0.82322516
ENSMUSG00000041771.15,Slc24a4,protein_coding	0.05297301	0.78388446
ENSMUSG00000025332.15,Kdm5c,protein_coding	0.05296744	0.46713358
ENSMUSG00000029536.9,Gatc,protein_coding	0.05294609	0.59538512
ENSMUSG00000079277.10,Hoxd3,protein_coding	0.05293621	0.97217247
ENSMUSG00000020023.19,Tmcc3,protein_coding	0.0528951	0.53275309
ENSMUSG00000110419.4,AW046200,lncRNA	0.05286315	0.80954166
ENSMUSG00000024983.11,Vti1a,protein_coding	0.05285756	0.50067704
ENSMUSG00000051177.17,Plcb1,protein_coding	0.05285298	0.75403345
ENSMUSG00000031979.18,Cog2,protein_coding	0.05276332	0.62897986
ENSMUSG00000038280.13,Ostm1,protein_coding	0.05272627	0.59970329
ENSMUSG00000028161.18,Ppp3ca,protein_coding	0.05272596	0.75745688
ENSMUSG00000030008.10,Pradc1,protein_coding	0.05271754	0.75943987
ENSMUSG00000002129.12,Sf3a1,protein_coding	0.0527052	0.46181765
ENSMUSG00000089828.3,Gm16300,processed_pseudogene	0.05269398	0.86675259
ENSMUSG00000026778.14,Prkcq,protein_coding	0.0526044	0.81977534
ENSMUSG00000102419.2,Gm36940,TEC	0.05257631	0.82647808
ENSMUSG00000021071.18,Trim9,protein_coding	0.05253358	0.65986973
ENSMUSG00000033960.7,Jcad,protein_coding	0.0524749	0.79565313
ENSMUSG00000007655.17,Cav1,protein_coding	0.05246014	0.70736554
ENSMUSG00000107511.2,Gm44440,TEC	0.05244765	0.83041798
ENSMUSG00000025512.16,Chid1,protein_coding	0.05240819	0.62569267
ENSMUSG00000004098.8,Col5a3,protein_coding	0.05230616	0.87738999
ENSMUSG00000047747.11,Rnf150,protein_coding	0.05230586	0.74617573
ENSMUSG00000005103.13,Wdr1,protein_coding	0.05229249	0.41627728
ENSMUSG00000026082.12,Rev1,protein_coding	0.05226894	0.49882836
ENSMUSG00000055670.15,Zzef1,protein_coding	0.05220878	0.34890696
ENSMUSG00000047003.16,Zfp41,protein_coding	0.05216546	0.57581522
ENSMUSG00000004455.17,Ppp1cc,protein_coding	0.05215647	0.60354378
ENSMUSG00000022948.17,Setd4,protein_coding	0.05203198	0.73852841
ENSMUSG00000114469.4,C730002L08Rik,lncRNA	0.05200684	0.88357744
ENSMUSG00000031916.18,Cog8,protein_coding	0.05200526	0.53711658
ENSMUSG00000105322.2,Gm43751,TEC	0.0519914	0.81313113
ENSMUSG00000024248.15,Cox7a2l,protein_coding	0.05196893	0.63994927
ENSMUSG00000032500.11,Dclk3,protein_coding	0.05193887	0.83845154
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ENSMUSG00000026686.15,Lmx1a,protein_coding	0.05193416	0.92226435
ENSMUSG00000029311.17,Hsd17b11,protein_coding	0.05185403	0.56632214
ENSMUSG00000031483.9,Erlin2,protein_coding	0.05172319	0.52073457
ENSMUSG00000021958.6,Pinx1,protein_coding	0.05169665	0.71871147
ENSMUSG00000034636.10,Zyg11b,protein_coding	0.05169418	0.5618209
ENSMUSG00000057133.15,Chd6,protein_coding	0.05158371	0.42084353
ENSMUSG00000006932.18,Ctnnb1,protein_coding	0.05156893	0.52251552
ENSMUSG00000036309.15,Skp1,protein_coding	0.05156499	0.63733447
ENSMUSG00000046402.11,Rbp1,protein_coding	0.05150807	0.85508109
ENSMUSG00000031153.17,Gripap1,protein_coding	0.05149604	0.5116034
ENSMUSG00000004945.16,Tmem242,protein_coding	0.05143493	0.71181262
ENSMUSG00000032356.13,Rasgrf1,protein_coding	0.05137219	0.76920156
ENSMUSG00000030598.16,Fbxo17,protein_coding	0.05136584	0.88665324
ENSMUSG00000024534.16,Sncaip,protein_coding	0.05135688	0.71603651

ENSMUSG00000097623.10,B230323A14Rik,lncRNA	0.05131898	0.9098823
ENSMUSG00000027035.11,Cers6,protein_coding	0.05131068	0.66639047
ENSMUSG00000031652.12,N4bp1,protein_coding	0.05126416	0.38697441
ENSMUSG00000115423.3,Gm56450,protein_coding	0.05117186	0.89894761
ENSMUSG00000045435.10,Tmem60,protein_coding	0.05116576	0.67626669
ENSMUSG00000002455.15,Prpf6,protein_coding	0.05116233	0.51862041
ENSMUSG00000101860.5,Mindy4b-ps,protein_coding	0.0511549	0.88966262
ENSMUSG00000030103.12,Bhlhe40,protein_coding	0.05110472	0.5347721
ENSMUSG00000021700.11,Rab3c,protein_coding	0.05109968	0.67961468
ENSMUSG00000002633.5,Shh,protein_coding	0.0510698	0.83997418
ENSMUSG00000047821.17,Trim16,protein_coding	0.05097878	0.84989242
ENSMUSG00000027318.18,Adam33,protein_coding	0.0509667	0.89306166
ENSMUSG00000001143.14,Lman2l,protein_coding	0.05095482	0.54822499
ENSMUSG00000027951.17,Adar,protein_coding	0.0508755	0.58217991
ENSMUSG00000055866.10,Per2,protein_coding	0.05086107	0.72982177
ENSMUSG00000048304.9,Slitrk3,protein_coding	0.05085531	0.70707346
ENSMUSG00000004631.16,Sgce,protein_coding	0.05082401	0.58403959
ENSMUSG00000046897.18,Zfp740,protein_coding	0.05082294	0.5013343
ENSMUSG00000118828.1,Gm26488,snoRNA	0.05081621	0.96882371
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ENSMUSG00000033039.11,Micall1,protein_coding	0.05074665	0.59327615
ENSMUSG00000018589.9,Glra2,protein_coding	0.05068872	0.81264592
ENSMUSG00000027698.15,Nceh1,protein_coding	0.05048296	0.63638
ENSMUSG00000049800.14,Sertad2,protein_coding	0.0504317	0.63024522
ENSMUSG00000046096.8,Mosmo,protein_coding	0.05040505	0.61021215
ENSMUSG00000048249.15,Crebrf,protein_coding	0.05035354	0.55100246
ENSMUSG00000025782.13,Taf3,protein_coding	0.0502088	0.42338037
ENSMUSG00000025762.17,Larp1b,protein_coding	0.05019626	0.56138298
ENSMUSG00000120378.2,Gm57196,lncRNA	0.05018953	0.87038155
ENSMUSG00000041540.17,Sox5,protein_coding	0.05015222	0.71352641
ENSMUSG00000045071.15,E130308A19Rik,protein_coding	0.05011959	0.50754695
ENSMUSG00000119776.1,Gm23849,snRNA	0.05009053	0.86604409
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ENSMUSG00000118837.1,Rnu2-10,snRNA	0.05009053	0.86604409
ENSMUSG00000028199.19,Cryz,protein_coding	0.0500028	0.64400624
ENSMUSG00000034055.17,Phka1,protein_coding	0.04996548	0.59831127
ENSMUSG00000032202.12,Rab27a,protein_coding	0.04993401	0.67588905
ENSMUSG00000034243.18,Golgb1,protein_coding	0.04992632	0.50838396
ENSMUSG00000021007.15,Spata7,protein_coding	0.04992398	0.65330223
ENSMUSG00000043631.9,Ecm2,protein_coding	0.04991374	0.80633677
ENSMUSG00000034818.18,Celf5,protein_coding	0.04989715	0.80370051
ENSMUSG00000022855.10,Senp2,protein_coding	0.04986874	0.36230214
ENSMUSG00000097699.4,5430400D12Rik,lncRNA	0.04982365	0.75482923
ENSMUSG00000087514.2,Gm16076,lncRNA	0.04978922	0.90876387
ENSMUSG00000064068.16,Mtx1,protein_coding	0.04972356	0.62879055
ENSMUSG00000060938.15,Rpl26,protein_coding	0.04970564	0.85833279
ENSMUSG00000103596.2,Gm37354,TEC	0.04966866	0.8232035
ENSMUSG00000007682.9,Dio2,protein_coding	0.04964533	0.75752318
ENSMUSG00000130218.1,ENSMUSG00000130218,lncRNA	0.04953862	0.92586738
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ENSMUSG00000051185.10,Fam174a,protein_coding	0.04945896	0.58617715
ENSMUSG00000022329.16,Stk3,protein_coding	0.04936505	0.72033724

ENSMUSG00000013155.11,Enkd1,protein_coding	0.04935342	0.81941206
ENSMUSG00000025932.15,Eya1,protein_coding	0.04933033	0.7639664
ENSMUSG00000025702.16,Marchf8,protein_coding	0.04924943	0.45783049
ENSMUSG00000029056.14,Pank4,protein_coding	0.04920905	0.7007412
ENSMUSG00000032773.10,Chrm1,protein_coding	0.04920828	0.84160391
ENSMUSG00000068739.14,Sars1,protein_coding	0.04914953	0.62847552
ENSMUSG00000029319.9,Coq2,protein_coding	0.04914207	0.58458093
ENSMUSG00000037280.13,Galnt6,protein_coding	0.04911136	0.72854261
ENSMUSG00000059890.17,Ube4a,protein_coding	0.04910882	0.4030853
ENSMUSG00000020227.11,Irak3,protein_coding	0.04910065	0.89253913
ENSMUSG00000021823.11,Vcl,protein_coding	0.0490397	0.47101906
ENSMUSG00000068284.15,Usf3,protein_coding	0.04900227	0.57229806
ENSMUSG00000020936.9,Nmt1,protein_coding	0.0489797	0.61546177
ENSMUSG00000026927.18,Entr1,protein_coding	0.04894482	0.54521887
ENSMUSG00000063870.13,Chd4,protein_coding	0.04888578	0.4669521
ENSMUSG00000024797.15,Vps51,protein_coding	0.04887049	0.70504444
ENSMUSG00000105229.2,Gm43149,lncRNA	0.04882067	0.82917575
ENSMUSG00000034532.10,Fbxo16,protein_coding	0.04880578	0.79031922
ENSMUSG00000025224.17,Gbf1,protein_coding	0.04876711	0.48269852
ENSMUSG00000052539.16,Magi3,protein_coding	0.04874299	0.71744314
ENSMUSG00000045374.19,Wdr81,protein_coding	0.04874232	0.65658096
ENSMUSG00000051910.14,Sox6,protein_coding	0.04873272	0.604473
ENSMUSG00000020978.11,Klhdc2,protein_coding	0.04869589	0.57343016
ENSMUSG00000120002.2,Gm57146,lncRNA	0.04867313	0.82354043
ENSMUSG00000020423.7,Btg2,protein_coding	0.04865649	0.79554951
ENSMUSG00000026585.14,Kifap3,protein_coding	0.04865431	0.67934958
ENSMUSG00000120766.2,Gm57027,lncRNA	0.04862542	0.86780454
ENSMUSG00000024101.16,Washc1,protein_coding	0.04861544	0.6309839
ENSMUSG00000074766.11,Ism1,protein_coding	0.04860557	0.82364386
ENSMUSG00000026748.14,Plxdc2,protein_coding	0.04860077	0.5617311
ENSMUSG00000001630.14,Stk38l,protein_coding	0.04857897	0.55083222
ENSMUSG00000023707.14,Ogfod2,protein_coding	0.04854602	0.66837368
ENSMUSG00000104210.2,Gm37984,TEC	0.04852647	0.8457906
ENSMUSG00000082570.2,Gm15711,processed_pseudogene	0.04847227	0.88199065
ENSMUSG00000054412.6,Gm4793,lncRNA	0.0483158	0.89462486
ENSMUSG00000040550.18,Otud6b,protein_coding	0.04830996	0.56700906
ENSMUSG00000022634.10,Yaf2,protein_coding	0.04830369	0.64914278
ENSMUSG00000021884.19,Hacl1,protein_coding	0.04829155	0.81665247
ENSMUSG00000015341.18,Golga7,protein_coding	0.04828785	0.53300955
ENSMUSG00000085030.2,2810455O05Rik,lncRNA	0.04828639	0.80936038
ENSMUSG00000073131.13,Vma21,protein_coding	0.04824031	0.75702027
ENSMUSG00000039419.18,Cntnap2,protein_coding	0.0482393	0.66210738
ENSMUSG00000005089.16,Slc1a2,protein_coding	0.04821479	0.7244606
ENSMUSG00000001173.16,Ocrl,protein_coding	0.04821123	0.51748903
ENSMUSG00000031295.14,Phka2,protein_coding	0.04814995	0.60446999
ENSMUSG00000032329.5,Hmg20a,protein_coding	0.04808696	0.46580591
ENSMUSG00000043252.9,Tmem64,protein_coding	0.04799954	0.7186546
ENSMUSG00000038143.17,Stox2,protein_coding	0.047996	0.61490705
ENSMUSG00000110447.3,Gm31518,lncRNA	0.04797965	0.93191019
ENSMUSG00000112163.2,Gm8188,processed_pseudogene	0.04797212	0.76804434
ENSMUSG00000003458.13,Ncstn,protein_coding	0.04795491	0.56303783
ENSMUSG00000022494.16,Shisa9,protein_coding	0.04795481	0.74543026

ENSMUSG00000003235.14,Eif2b5,protein_coding	0.04791363	0.61306704
ENSMUSG00000036501.8,Fam13b,protein_coding	0.04786496	0.50543672
ENSMUSG00000031963.9,Bmper,protein_coding	0.04778199	0.77223258
ENSMUSG00000071253.9,Slc25a16,protein_coding	0.04778133	0.62824442
ENSMUSG00000027774.17,Gfm1,protein_coding	0.04772285	0.49526218
ENSMUSG00000022507.7,Hapstr1,protein_coding	0.04769726	0.58469423
ENSMUSG00000032766.10,Gng11,protein_coding	0.04768102	0.76920053
ENSMUSG00000118125.2,Gm50387,protein_coding	0.04757011	0.75782244
ENSMUSG00000045284.10,Dcaf12l1,protein_coding	0.04756519	0.76061411
ENSMUSG00000078901.10,Zfp1009,protein_coding	0.04755321	0.6962995
ENSMUSG00000031960.15,Aars1,protein_coding	0.04752495	0.67058568
ENSMUSG00000036103.10,Colec12,protein_coding	0.04752334	0.78820203
ENSMUSG00000036718.18,Micall2,protein_coding	0.04747196	0.83218152
ENSMUSG00000046219.10,C230012O17Rik,lncRNA	0.04741061	0.82937686
ENSMUSG00000028347.15,Tmeff1,protein_coding	0.04730829	0.75192442
ENSMUSG00000027131.4,Emc4,protein_coding	0.04727895	0.70426972
ENSMUSG00000038174.15,Hycc2,protein_coding	0.0472031	0.68460687
ENSMUSG00000045594.11,Glb1,protein_coding	0.04716327	0.7386533
ENSMUSG00000022762.19,Ncam2,protein_coding	0.04716084	0.74170016
ENSMUSG00000014867.10,Surf4,protein_coding	0.04714379	0.558658
ENSMUSG00000072966.12,Gprasp2,protein_coding	0.04710153	0.71647307
ENSMUSG00000033307.8,Mif,protein_coding	0.04705166	0.79234394
ENSMUSG00000034997.6,Htr2a,protein_coding	0.04702764	0.85058116
ENSMUSG00000000247.12,Lhx2,protein_coding	0.04696347	0.82077927
ENSMUSG00000043629.13,1700019D03Rik,protein_coding	0.0469577	0.75499685
ENSMUSG00000020088.11,Sar1a,protein_coding	0.04686555	0.54130987
ENSMUSG00000031683.17,Lsm6,protein_coding	0.04682563	0.63332665
ENSMUSG00000032977.10,Slx9,protein_coding	0.04680681	0.68411694
ENSMUSG00000031402.13,Mpp1,protein_coding	0.04679899	0.63568898
ENSMUSG00000021198.17,Unc79,protein_coding	0.04678872	0.69593806
ENSMUSG00000029131.15,Dnajb6,protein_coding	0.04672863	0.55390314
ENSMUSG00000107705.2,Gm45062,protein_coding	0.04660851	0.86436514
ENSMUSG00000020387.16,Jade2,protein_coding	0.04660804	0.55932886
ENSMUSG00000051674.16,Dcun1d4,protein_coding	0.04660573	0.7092134
ENSMUSG00000015222.19,Map2,protein_coding	0.04654156	0.68111902
ENSMUSG00000028466.17,Creb3,protein_coding	0.04653657	0.70103247
ENSMUSG00000006344.18,Ggt5,protein_coding	0.04652531	0.80479477
ENSMUSG00000033088.20,Triobp,protein_coding	0.04648228	0.79679326
ENSMUSG00000105891.7,A230001M10Rik,lncRNA	0.04647542	0.81627524
ENSMUSG00000113465.3,Gm40271,lncRNA	0.04645532	0.93970204
ENSMUSG00000050567.17,Maml1,protein_coding	0.04645047	0.66419537
ENSMUSG00000024008.17,Cpne5,protein_coding	0.0464494	0.83546391
ENSMUSG00000114251.2,Tmed10-ps,processed_pseudogene	0.04642944	0.89077181
ENSMUSG00000049321.18,Zfp2,protein_coding	0.04642439	0.69754637
ENSMUSG00000075232.7,Amd1,protein_coding	0.04636894	0.69044303
ENSMUSG00000034911.9,Ushbp1,protein_coding	0.04627854	0.79037182
ENSMUSG00000022386.13,Trmu,protein_coding	0.0462352	0.73311338
ENSMUSG00000038506.14,Dcun1d2,protein_coding	0.0461877	0.53917087
ENSMUSG00000000058.7,Cav2,protein_coding	0.04611989	0.82901043
ENSMUSG00000025510.15,Cd151,protein_coding	0.04608547	0.76122263
ENSMUSG00000051034.8,Zfp11,protein_coding	0.04608367	0.73861987
ENSMUSG00000049624.15,Slc17a5,protein_coding	0.04608195	0.68086263

ENSMUSG00000103427.2,Gm37534,TEC	0.04607488	0.84304102
ENSMUSG00000029420.15,Rimbp2,protein_coding	0.04607349	0.79475094
ENSMUSG00000034647.16,Ankrd12,protein_coding	0.04601375	0.57233302
ENSMUSG00000031485.16,Plpbp,protein_coding	0.04599956	0.5054268
ENSMUSG00000058625.7,Gm17383,processed_pseudogene	0.04598833	0.94406129
ENSMUSG00000036537.7,Rnf113a1,protein_coding	0.04596089	0.83112894
ENSMUSG00000005886.15,Ncoa2,protein_coding	0.04593691	0.40333904
ENSMUSG00000120130.2,Gm56640,lncRNA	0.04592955	0.89366701
ENSMUSG00000138835.1,ENSMUSG00000138835,lncRNA	0.04592711	0.86558661
ENSMUSG00000023806.11,Rsph3b,protein_coding	0.04589293	0.83467178
ENSMUSG00000022295.9,Atp6v1c1,protein_coding	0.04588346	0.65785859
ENSMUSG00000033624.11,Pdpr,protein_coding	0.04587748	0.46711557
ENSMUSG00000085389.10,1700003M07Rik,lncRNA	0.04583736	0.7869777
ENSMUSG00000113269.2,Gm47494,TEC	0.04581511	0.85364903
ENSMUSG00000091514.5,Gm17484,lncRNA	0.04578336	0.72803556
ENSMUSG00000087361.9,0610043K17Rik,lncRNA	0.04577139	0.79927629
ENSMUSG00000033769.17,Exoc6b,protein_coding	0.04572888	0.50430869
ENSMUSG00000036306.14,Lzts1,protein_coding	0.04571069	0.82103545
ENSMUSG00000026478.15,Lamc1,protein_coding	0.04566875	0.56075675
ENSMUSG00000048776.9,Pthlh,protein_coding	0.04566668	0.87651365
ENSMUSG00000032231.15,Anxa2,protein_coding	0.04565477	0.88826381
ENSMUSG00000110996.3,Gm36251,lncRNA	0.04562	0.91815058
ENSMUSG00000104379.2,Gm37509,TEC	0.04559338	0.74854325
ENSMUSG00000027577.15,Chrna4,protein_coding	0.04557497	0.87257268
ENSMUSG00000024067.15,Dpy30,protein_coding	0.04536416	0.72527297
ENSMUSG00000029625.17,Cpsf4,protein_coding	0.04527115	0.66897744
ENSMUSG00000103891.2,Gm37941,TEC	0.04526117	0.78957019
ENSMUSG00000021868.8,Ppif,protein_coding	0.04524516	0.61717728
ENSMUSG00000000223.14,Drp2,protein_coding	0.0452379	0.76483105
ENSMUSG00000002688.9,Prkd1,protein_coding	0.04523655	0.69827559
ENSMUSG00000036513.16,Commd2,protein_coding	0.04522608	0.76706358
ENSMUSG00000131611.1,ENSMUSG00000131611,lncRNA	0.04521087	0.90388006
ENSMUSG00000034290.10,Nek9,protein_coding	0.04513562	0.54967814
ENSMUSG00000033728.15,Lrrc14,protein_coding	0.0450946	0.62655461
ENSMUSG00000029672.17,Fam3c,protein_coding	0.04507674	0.66514538
ENSMUSG00000106940.2,Gm42930,TEC	0.04503907	0.77199334
ENSMUSG00000039488.16,Cntn5,protein_coding	0.04500922	0.83443511
ENSMUSG00000110331.2,Nudc-ps1,processed_pseudogene	0.04497945	0.87437564
ENSMUSG00000000530.17,Acvrl1,protein_coding	0.04496725	0.76725677
ENSMUSG00000021147.18,Wdr37,protein_coding	0.04495405	0.48121723
ENSMUSG00000028821.9,Syf2,protein_coding	0.04493883	0.67527024
ENSMUSG00000132274.1,ENSMUSG00000132274,lncRNA	0.04491325	0.82954148
ENSMUSG00000021339.5,Mrs2,protein_coding	0.04485001	0.4842014
ENSMUSG00000031577.11,Tti2,protein_coding	0.0448129	0.67127016
ENSMUSG00000042389.14,Tsen2,protein_coding	0.04480429	0.71206529
ENSMUSG00000111340.2,Gm47171,TEC	0.04472217	0.87102076
ENSMUSG00000028414.18,Fktn,protein_coding	0.04470433	0.5444663
ENSMUSG00000065649.3,Snora74a,snoRNA	0.04467363	0.65521571
ENSMUSG00000028794.14,A3galt2,protein_coding	0.04464136	0.89323543
ENSMUSG00000091288.2,Gm17075,processed_pseudogene	0.04463182	0.88210422
ENSMUSG00000021675.5,F2rl2,protein_coding	0.04455366	0.92665222
ENSMUSG00000040904.11,Gm21988,protein_coding	0.04448341	0.94005958

ENSMUSG00000022801.14,Lrch3,protein_coding	0.04438796	0.57818695
ENSMUSG00000049225.16,Pdp1,protein_coding	0.04435172	0.80333035
ENSMUSG00000071317.5,Bves,protein_coding	0.04433149	0.89190309
ENSMUSG00000044835.16,Ankrd45,protein_coding	0.04431159	0.73976983
ENSMUSG00000062209.16,Erbb4,protein_coding	0.04427305	0.71898641
ENSMUSG00000024096.18,Ralbp1,protein_coding	0.0442489	0.5078336
ENSMUSG00000121815.1,ENSMUSG00000121815,lncRNA	0.04421553	0.86350197
ENSMUSG00000027304.10,Rtf1,protein_coding	0.04417142	0.52058802
ENSMUSG00000028692.15,Akr1a1,protein_coding	0.04407777	0.66573207
ENSMUSG00000031540.15,Kat6a,protein_coding	0.04402754	0.64653723
ENSMUSG00000045466.19,Zfp956,protein_coding	0.04401784	0.6721458
ENSMUSG00000117775.2,Gm50462,lncRNA	0.04399116	0.7788387
ENSMUSG00000060012.10,Kif13b,protein_coding	0.04399103	0.57047653
ENSMUSG00000037110.21,Ralgapa2,protein_coding	0.04396656	0.59316327
ENSMUSG00000033653.20,Vps8,protein_coding	0.04393276	0.60110483
ENSMUSG00000099083.8,Atf7,protein_coding	0.04388893	0.67962353
ENSMUSG00000052684.6,Jun,protein_coding	0.04388374	0.73564675
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ENSMUSG00000038370.7,Pcp4l1,protein_coding	0.04376335	0.79885996
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ENSMUSG00000054893.16,Zfp667,protein_coding	0.04369802	0.65013798
ENSMUSG00000123652.1,ENSMUSG00000123652,lncRNA	0.04368562	0.91843206
ENSMUSG00000071359.14,Tbpl1,protein_coding	0.04367321	0.63835403
ENSMUSG00000105230.2,Gm42433,TEC	0.04367064	0.78576347
ENSMUSG00000026987.17,Baz2b,protein_coding	0.04365704	0.64402933
ENSMUSG00000072946.13,Ptgr2,protein_coding	0.0436378	0.63900973
ENSMUSG00000017299.14,Dnttip1,protein_coding	0.04363754	0.7355645
ENSMUSG00000066324.3,Bpnt2,protein_coding	0.04363511	0.65264989
ENSMUSG00000120522.2,Gm54109,lncRNA	0.04360241	0.79573855
ENSMUSG00000121141.1,Gm56878,lncRNA	0.04359363	0.69372572
ENSMUSG00000091264.4,Smim13,protein_coding	0.04358545	0.75967078
ENSMUSG00000025592.18,Dach2,protein_coding	0.04354424	0.87640695
ENSMUSG00000034413.15,Neurl1b,protein_coding	0.04352671	0.84690104
ENSMUSG00000031986.7,Sprtn,protein_coding	0.04350722	0.58942548
ENSMUSG00000040028.11,Elavl1,protein_coding	0.04345386	0.45237074
ENSMUSG00000054074.11,Skida1,protein_coding	0.04342065	0.68360284
ENSMUSG00000030729.18,Pgm2l1,protein_coding	0.04340728	0.76599638
ENSMUSG00000021987.10,Mtmr6,protein_coding	0.04340133	0.67363253
ENSMUSG00000032023.8,Jhy,protein_coding	0.04336928	0.90162535
ENSMUSG00000026028.13,Trak2,protein_coding	0.04336834	0.65362406
ENSMUSG00000026754.17,Golga1,protein_coding	0.04322577	0.48999936
ENSMUSG00000097527.5,1700112J16Rik,lncRNA	0.04321542	0.88701711
ENSMUSG00000024622.9,Hmgxb3,protein_coding	0.04320419	0.51056895
ENSMUSG00000074796.11,Slc4a11,protein_coding	0.04319708	0.9013929
ENSMUSG00000028629.10,Exo5,protein_coding	0.04316775	0.77271279
ENSMUSG00000044229.10,Nxpe4,protein_coding	0.04314892	0.75996352
ENSMUSG00000046873.19,Mbtps2,protein_coding	0.04314315	0.72538733
ENSMUSG00000021701.9,Plk2,protein_coding	0.04311673	0.80149501
ENSMUSG00000043943.15,Naalad2,protein_coding	0.04311015	0.86762827
ENSMUSG00000079884.7,Tmed2b,processed_pseudogene	0.04307927	0.84569563
ENSMUSG00000119132.1,Gm24407,snRNA	0.04305501	0.88365401
ENSMUSG00000028953.11,Abcf2,protein_coding	0.0429633	0.69432342

ENSMUSG00000024425.5,Ndfip1,protein_coding	0.04296275	0.69054198
ENSMUSG00000024268.17,Celf4,protein_coding	0.04288879	0.66479279
ENSMUSG00000022836.12,Mylk,protein_coding	0.04282982	0.73174383
ENSMUSG00000022571.10,Pycr3,protein_coding	0.0427666	0.8230157
ENSMUSG00000022521.11,Crebbp,protein_coding	0.04274992	0.48194092
ENSMUSG00000125305.1,ENSMUSG00000125305,lncRNA	0.0427259	0.90043368
ENSMUSG00000052406.15,Rexo4,protein_coding	0.04269493	0.6244733
ENSMUSG00000068206.14,Pick1,protein_coding	0.04269156	0.64708566
ENSMUSG00000024647.15,Cbln2,protein_coding	0.04267881	0.85331685
ENSMUSG00000021720.12,Rnf180,protein_coding	0.04262156	0.68568962
ENSMUSG00000000346.10,Dazap2,protein_coding	0.04261625	0.53704767
ENSMUSG00000001247.17,Lsr,protein_coding	0.04260489	0.83688224
ENSMUSG00000024524.18,Gnal,protein_coding	0.04260247	0.81305145
ENSMUSG00000026643.17,Nmt2,protein_coding	0.04257572	0.63917625
ENSMUSG00000031870.17,Pgr,protein_coding	0.04254599	0.78233174
ENSMUSG00000097063.6,Pantr2,lncRNA	0.04249473	0.8218349
ENSMUSG00000104454.2,Gm37827,TEC	0.04246034	0.8542901
ENSMUSG00000037426.19,Depdc5,protein_coding	0.04245017	0.51601445
ENSMUSG00000028572.14,Hook1,protein_coding	0.04241184	0.72456648
ENSMUSG00000006021.6,Kptn,protein_coding	0.04236571	0.71439535
ENSMUSG00000026365.16,Cfh,protein_coding	0.04233429	0.8655759
ENSMUSG00000015112.16,Slc25a13,protein_coding	0.04227907	0.83419636
ENSMUSG00000020630.10,Rnaseh1,protein_coding	0.04222576	0.75318794
ENSMUSG00000045659.19,Plekha7,protein_coding	0.04220409	0.7834586
ENSMUSG00000124272.1,ENSMUSG00000124272,lncRNA	0.04220039	0.87779571
ENSMUSG00000042942.19,Greb1l,protein_coding	0.04216118	0.70966945
ENSMUSG00000037139.16,Myom3,protein_coding	0.04214743	0.89875946
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ENSMUSG00000048271.15,Rbm33,protein_coding	0.04208937	0.61478089
ENSMUSG00000059854.9,Hydin,protein_coding	0.04208572	0.92059258
ENSMUSG00000030868.7,Dctn5,protein_coding	0.04207224	0.6033588
ENSMUSG00000034974.14,Dapk3,protein_coding	0.04206243	0.75903713
ENSMUSG00000025262.9,Fam120c,protein_coding	0.04202972	0.62076918
ENSMUSG00000102940.2,Gm37551,TEC	0.04197144	0.81820914
ENSMUSG00000022377.17,Asap1,protein_coding	0.04195752	0.7451132
ENSMUSG00000024812.12,Tjp2,protein_coding	0.04195201	0.67827144
ENSMUSG00000030486.10,Zfp108,protein_coding	0.04194731	0.74651811
ENSMUSG00000109394.4,A230057D06Rik,lncRNA	0.04191596	0.7790811
ENSMUSG00000032350.10,Gclc,protein_coding	0.04185105	0.54056804
ENSMUSG00000041773.9,Enc1,protein_coding	0.0418507	0.83971159
ENSMUSG00000040181.15,Fmo1,protein_coding	0.04183645	0.77534481
ENSMUSG00000045248.7,Med26,protein_coding	0.04180449	0.78421667
ENSMUSG00000040714.15,Klc3,protein_coding	0.04179748	0.87897247
ENSMUSG00000067722.5,Uqcc4,protein_coding	0.04178457	0.64573957
ENSMUSG00000033427.15,Upb1,protein_coding	0.0417248	0.93062788
ENSMUSG00000061104.6,Sap18b,protein_coding	0.04168526	0.78867064
ENSMUSG00000121513.1,Ptprg,protein_coding	0.04161527	0.64427665
ENSMUSG00000041506.16,Rrp9,protein_coding	0.04159427	0.76562492
ENSMUSG00000139373.1,ENSMUSG00000139373,lncRNA	0.04159331	0.81090291
ENSMUSG00000031209.15,Heph,protein_coding	0.04158746	0.82035161
ENSMUSG00000033940.9,Brk1,protein_coding	0.04158461	0.66978397
ENSMUSG00000016262.15,Sertad4,protein_coding	0.04158354	0.81688275

ENSMUSG00000024083.17,Pja2,protein_coding	0.04157977	0.72594909
ENSMUSG00000020453.18,Patz1,protein_coding	0.04155192	0.63162754
ENSMUSG00000028926.16,Cdk14,protein_coding	0.04151982	0.76010168
ENSMUSG00000047037.6,Nipa1,protein_coding	0.04147579	0.77575672
ENSMUSG00000029502.15,Golga3,protein_coding	0.0411965	0.43793813
ENSMUSG00000097749.4,Gm16938,lncRNA	0.04110366	0.84914554
ENSMUSG00000059602.15,Syn3,protein_coding	0.0410885	0.70758123
ENSMUSG00000021555.16,Naa35,protein_coding	0.04107997	0.55080765
ENSMUSG00000007837.12,Prrg2,protein_coding	0.04097947	0.83193475
ENSMUSG00000104339.2,C130089K02Rik,TEC	0.04097132	0.86694261
ENSMUSG00000023084.12,Lrrc71,protein_coding	0.04095742	0.93274451
ENSMUSG00000040760.12,Appl1,protein_coding	0.04094653	0.6819197
ENSMUSG00000024501.21,Dpysl3,protein_coding	0.04092452	0.77822449
ENSMUSG00000031529.6,Tnks,protein_coding	0.04086672	0.4961157
ENSMUSG00000024346.7,Pfdn1,protein_coding	0.04073344	0.70352815
ENSMUSG00000030534.14,Vps33b,protein_coding	0.04066823	0.66588152
ENSMUSG00000039470.17,Zdhhc2,protein_coding	0.04063779	0.7540216
ENSMUSG00000041961.15,Znrf3,protein_coding	0.04062404	0.60364737
ENSMUSG00000025104.14,Hdgfl3,protein_coding	0.0406055	0.7677032
ENSMUSG00000062257.14,Opcml,protein_coding	0.04059404	0.7567615
ENSMUSG00000054723.7,Vmac,protein_coding	0.04047793	0.76288574
ENSMUSG00000024910.6,Ctsw,protein_coding	0.04046695	0.9650045
ENSMUSG00000018509.9,Cenpv,protein_coding	0.04045124	0.78668571
ENSMUSG00000026659.14,Dusp12,protein_coding	0.04042222	0.7552783
ENSMUSG00000051098.7,Mblac2,protein_coding	0.0404082	0.8100684
ENSMUSG00000032349.14,Elovl5,protein_coding	0.04037791	0.66023765
ENSMUSG00000020205.9,Phlda1,protein_coding	0.04036366	0.78149342
ENSMUSG00000041229.16,Phf8,protein_coding	0.0403219	0.52301363
ENSMUSG00000024212.11,Mllt1,protein_coding	0.04027099	0.66898644
ENSMUSG00000086742.11,Gm16201,lncRNA	0.04024618	0.88441242
ENSMUSG00000064080.13,Fbln2,protein_coding	0.04019513	0.80774679
ENSMUSG00000038418.9,Egr1,protein_coding	0.04018711	0.86811372
ENSMUSG00000116590.3,Gm53028,lncRNA	0.04016304	0.89549606
ENSMUSG00000044296.11,Zfp879,protein_coding	0.04009894	0.86402202
ENSMUSG00000027665.14,Pik3ca,protein_coding	0.04009355	0.62339861
ENSMUSG00000041769.14,Ppp2r2d,protein_coding	0.04002451	0.60608171
ENSMUSG00000015085.9,Entpd2,protein_coding	0.03996182	0.85987476
ENSMUSG00000041762.17,Gpr155,protein_coding	0.03989189	0.78430518
ENSMUSG00000029729.13,Zkscan1,protein_coding	0.03987952	0.5483682
ENSMUSG00000040016.17,Ptger3,protein_coding	0.03984834	0.89013988
ENSMUSG00000026181.14,Ppm1f,protein_coding	0.03980916	0.67542404
ENSMUSG00000031154.16,Otud5,protein_coding	0.03976209	0.52211743
ENSMUSG00000120950.1,Gm57241,lncRNA	0.03970755	0.79838028
ENSMUSG00000038957.14,Edc3,protein_coding	0.03967999	0.64467396
ENSMUSG00000038844.11,Kif16b,protein_coding	0.03961557	0.6558297
ENSMUSG00000064302.15,Clasp1,protein_coding	0.03961347	0.52592281
ENSMUSG00000021794.17,Glud1,protein_coding	0.03961045	0.61651984
ENSMUSG00000026617.17,Bpnt1,protein_coding	0.0395982	0.60224262
ENSMUSG00000038533.16,Cbfa2t2,protein_coding	0.03957518	0.58261379
ENSMUSG00000097385.2,Gm26814,TEC	0.0395611	0.82391545
ENSMUSG00000040570.15,Rundc3b,protein_coding	0.03955342	0.76608874
ENSMUSG00000051864.11,Tbc1d22a,protein_coding	0.03951146	0.73897413

ENSMUSG00000038876.13,Rnf146,protein_coding	0.03949184	0.626564
ENSMUSG00000011831.17,Evi5,protein_coding	0.03947264	0.65288169
ENSMUSG00000011884.14,Gltp,protein_coding	0.03944779	0.72991562
ENSMUSG00000044365.17,Cxxc4,protein_coding	0.03944186	0.68740471
ENSMUSG00000117604.3,Gm33228,lncRNA	0.03937388	0.79649073
ENSMUSG00000037007.18,Zfp113,protein_coding	0.03936069	0.69351339
ENSMUSG00000102481.2,Gm37925,TEC	0.03934139	0.77428206
ENSMUSG00000035121.7,Neil2,protein_coding	0.03930177	0.83663315
ENSMUSG00000035184.16,Fam124a,protein_coding	0.0392625	0.81032876
ENSMUSG00000049728.15,Zfp668,protein_coding	0.039214	0.65365765
ENSMUSG00000039018.16,Mtg1,protein_coding	0.03918945	0.75322176
ENSMUSG00000106557.2,Gm42442,TEC	0.03914639	0.83074804
ENSMUSG00000042569.14,Dhrs7b,protein_coding	0.03914631	0.73607778
ENSMUSG00000098702.3,1500015A07Rik,lncRNA	0.03914482	0.81945354
ENSMUSG00000039458.16,Mtmr12,protein_coding	0.03913814	0.73597255
ENSMUSG00000036646.14,Man1b1,protein_coding	0.03911389	0.67251641
ENSMUSG00000049470.14,Aff4,protein_coding	0.03899079	0.50836608
ENSMUSG00000047242.15,Taf9b,protein_coding	0.03898302	0.78937196
ENSMUSG00000017679.17,Ttpal,protein_coding	0.0389786	0.66687709
ENSMUSG00000021684.18,Pde8b,protein_coding	0.03896999	0.8205308
ENSMUSG00000041378.3,Cldn5,protein_coding	0.03893781	0.77046769
ENSMUSG00000006586.16,Runx1t1,protein_coding	0.03890352	0.69172577
ENSMUSG00000059203.11,Il1rapl2,protein_coding	0.03886933	0.88956127
ENSMUSG00000030822.16,Prr14,protein_coding	0.03886204	0.74985566
ENSMUSG00000000148.18,Brat1,protein_coding	0.03882635	0.68420154
ENSMUSG00000030498.16,Gas2,protein_coding	0.03880928	0.81028171
ENSMUSG00000021972.15,Hmbox1,protein_coding	0.03877757	0.49796602
ENSMUSG00000025059.17,Gk,protein_coding	0.03868971	0.68743533
ENSMUSG00000047221.6,Fam185a,protein_coding	0.03864033	0.70723506
ENSMUSG00000028019.10,Pdgfc,protein_coding	0.03863328	0.82603561
ENSMUSG00000113708.2,Gm47584,TEC	0.03863256	0.90313336
ENSMUSG00000061979.9,Rcc1l,protein_coding	0.03862543	0.76789069
ENSMUSG00000042350.14,Arel1,protein_coding	0.03862416	0.6707295
ENSMUSG00000074892.10,B3galt5,protein_coding	0.03859346	0.69076575
ENSMUSG00000046942.18,Mageb16,protein_coding	0.03853681	0.89407821
ENSMUSG00000081339.2,Gm16044,processed_pseudogene	0.03852064	0.88814334
ENSMUSG00000022094.16,Slc39a14,protein_coding	0.03850565	0.65072295
ENSMUSG00000120863.2,Gm56582,lncRNA	0.03845785	0.78224462
ENSMUSG00000102070.2,Gm28661,unprocessed_pseudogene	0.03843597	0.87711274
ENSMUSG00000001829.18,Clpb,protein_coding	0.03842869	0.69182463
ENSMUSG00000120183.2,1700085D22Rik,lncRNA	0.03835096	0.74806995
ENSMUSG00000102874.2,Gm37137,TEC	0.03834097	0.82296736
ENSMUSG00000005621.12,Zfp592,protein_coding	0.03832479	0.65307512
ENSMUSG00000026750.7,Psmb7,protein_coding	0.03832366	0.72047771
ENSMUSG00000030826.20,Bcat2,protein_coding	0.03827692	0.75933344
ENSMUSG00000023572.17,Ccndbp1,protein_coding	0.03825874	0.66561041
ENSMUSG00000019577.7,Pdk4,protein_coding	0.03821011	0.83726831
ENSMUSG00000030124.3,Lag3,protein_coding	0.03815507	0.95018485
ENSMUSG00000041124.12,Msantd4,protein_coding	0.03815072	0.64928531
ENSMUSG00000018427.9,Ypel2,protein_coding	0.03810017	0.7698414
ENSMUSG00000026782.16,Abi2,protein_coding	0.03806201	0.76486851
ENSMUSG00000041440.19,Gk5,protein_coding	0.03800428	0.77541601

ENSMUSG00000024206.16,Rfx2,protein_coding	0.03796673	0.82915024
ENSMUSG00000069631.15,Strada,protein_coding	0.0379488	0.70220993
ENSMUSG00000022024.11,Sugt1,protein_coding	0.03792828	0.66770599
ENSMUSG00000068921.15,Dap3,protein_coding	0.03791587	0.68417073
ENSMUSG00000030539.14,Sema4b,protein_coding	0.03779647	0.75321938
ENSMUSG00000032307.17,Ube2q2,protein_coding	0.03777018	0.71826905
ENSMUSG00000087574.4,C030037D09Rik,lncRNA	0.03775954	0.72204441
ENSMUSG00000041278.11,Ttc1,protein_coding	0.03771975	0.69230854
ENSMUSG00000033540.19,Idua,protein_coding	0.03769329	0.74469784
ENSMUSG00000074346.8,Kcnd3os,lncRNA	0.03766523	0.8624668
ENSMUSG00000031642.10,Sh3rf1,protein_coding	0.03765773	0.79177988
ENSMUSG00000024454.17,Hdac3,protein_coding	0.03761338	0.65856212
ENSMUSG00000063972.14,Nr6a1,protein_coding	0.03760935	0.67583994
ENSMUSG00000103972.2,Gm37466,TEC	0.03755254	0.89558443
ENSMUSG00000006019.16,Dhx34,protein_coding	0.03753629	0.82180104
ENSMUSG00000121877.2,1700086L19Rik,lncRNA	0.03747232	0.85397042
ENSMUSG00000044308.19,Ubr3,protein_coding	0.03743669	0.60337588
ENSMUSG00000001065.16,Zfp276,protein_coding	0.03743196	0.77371568
ENSMUSG00000021273.12,Fdft1,protein_coding	0.03740833	0.80510126
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ENSMUSG00000034616.18,Ssh3,protein_coding	0.03723174	0.77320434
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ENSMUSG00000020272.9,Stk10,protein_coding	0.03713849	0.81268833
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ENSMUSG00000025821.10,Zfp282,protein_coding	0.03710292	0.68343256
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ENSMUSG00000047959.5,Kcna3,protein_coding	0.0370426	0.85988802
ENSMUSG00000062604.12,Srpk2,protein_coding	0.03703991	0.62638781
ENSMUSG00000027651.17,Rprd1b,protein_coding	0.03702555	0.63239889
ENSMUSG00000069895.5,Atxn1l,protein_coding	0.03700424	0.59802608
ENSMUSG00000083623.2,Gm7224,unprocessed_pseudogene	0.0369962	0.87284222
ENSMUSG00000013089.16,Etv5,protein_coding	0.03698508	0.79466974
ENSMUSG00000006288.9,Ttc5,protein_coding	0.03690041	0.5762956
ENSMUSG00000044352.7,Sowaha,protein_coding	0.03686702	0.86448557
ENSMUSG00000027569.16,Mrgbp,protein_coding	0.03684068	0.71545985
ENSMUSG00000005779.13,Psmb4,protein_coding	0.03683412	0.78438531
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ENSMUSG00000031833.11,Mast3,protein_coding	0.03670713	0.82762061
ENSMUSG00000103694.2,Gm37530,TEC	0.03665971	0.89984434
ENSMUSG00000021918.11,Nek4,protein_coding	0.03662421	0.6002493
ENSMUSG00000059852.8,Kcng2,protein_coding	0.03655363	0.88039752
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ENSMUSG00000103662.2,Gm34294,TEC	0.0365334	0.89700326
ENSMUSG00000103354.2,Gm38083,TEC	0.03653331	0.82893112
ENSMUSG00000093536.8,Smim17,protein_coding	0.03651998	0.8733364

ENSMUSG00000038305.16,Spats2l,protein_coding	0.03645068	0.76451319
ENSMUSG00000031487.6,Brf2,protein_coding	0.03642893	0.7753325
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ENSMUSG00000039703.17,Nploc4,protein_coding	0.03632042	0.62116411
ENSMUSG00000113149.2,Gm49383,protein_coding	0.03630574	0.95243703
ENSMUSG00000017713.10,Tha1,protein_coding	0.03623675	0.84903716
ENSMUSG00000107172.2,4933430H06Rik,TEC	0.03615666	0.89091593
ENSMUSG00000014301.14,Pam16,protein_coding	0.0360135	0.72353669
ENSMUSG00000041112.19,Elmo1,protein_coding	0.03593179	0.66098013
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ENSMUSG00000030994.17,D7Ertd443e,protein_coding	0.03579516	0.79567847
ENSMUSG00000025956.11,Mettl21a,protein_coding	0.03578694	0.7673587
ENSMUSG00000029123.9,Stk32b,protein_coding	0.03576408	0.90235071
ENSMUSG00000105574.2,Gm43648,TEC	0.03572991	0.88380749
ENSMUSG00000027674.17,Pex5l,protein_coding	0.03571959	0.78408021
ENSMUSG00000023284.16,Zfp605,protein_coding	0.03570093	0.73792558
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ENSMUSG00000034639.8,Setmar,protein_coding	0.03561534	0.83635976
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ENSMUSG00000038079.15,Tmem237,protein_coding	0.03555212	0.86496522
ENSMUSG00000053963.8,Stum,protein_coding	0.03554937	0.87079093
ENSMUSG00000035329.8,Fbxo33,protein_coding	0.03554098	0.77099347
ENSMUSG00000022008.5,Gpalpp1,protein_coding	0.0355318	0.64823413
ENSMUSG00000026766.17,Mmadhc,protein_coding	0.03552785	0.72591866
ENSMUSG00000134236.1,ENSMUSG00000134236,lncRNA	0.03551616	0.90777238
ENSMUSG00000062995.13,Ica1,protein_coding	0.03546431	0.78123124
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ENSMUSG00000035629.20,Rubcn,protein_coding	0.03534747	0.65074694
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ENSMUSG00000028164.16,Manba,protein_coding	0.03533522	0.74959918
ENSMUSG00000075254.13,Heg1,protein_coding	0.03530961	0.7141444
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ENSMUSG00000031161.16,Hdac6,protein_coding	0.03518657	0.73554626
ENSMUSG00000143385.1,ENSMUSG00000143385,lncRNA	0.03515736	0.92406136
ENSMUSG00000060904.15,Arl1,protein_coding	0.03514676	0.73538884
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ENSMUSG00000028479.19,Gne,protein_coding	0.03496298	0.74661824
ENSMUSG00000018199.10,Ro60,protein_coding	0.03489775	0.76692354
ENSMUSG00000036225.16,Kctd1,protein_coding	0.03489128	0.82162229
ENSMUSG00000030255.14,Sspn,protein_coding	0.03487721	0.81339014
ENSMUSG00000052566.9,Hook2,protein_coding	0.03483005	0.83230136
ENSMUSG00000039318.13,Rab3gap2,protein_coding	0.03482914	0.53194443
ENSMUSG00000097305.5,Gm17276,lncRNA	0.03480757	0.84272168
ENSMUSG00000022285.18,Ywhaz,protein_coding	0.03479013	0.72489518
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ENSMUSG00000032839.14,Trpc1,protein_coding	0.03468469	0.74483526
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ENSMUSG00000031111.17,Igsf1,protein_coding	0.03459411	0.91104566

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ENSMUSG00000024059.11,Clip4,protein_coding	0.03438847	0.77469943
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ENSMUSG00000003161.16,Sri,protein_coding	0.03422695	0.74592675
ENSMUSG00000024294.16,Mib1,protein_coding	0.03419613	0.72040186
ENSMUSG00000008206.17,Cers4,protein_coding	0.03415703	0.73034472
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ENSMUSG00000024369.17,Nelfe,protein_coding	0.03405594	0.8162823
ENSMUSG00000064341.1,mt-Nd1,protein_coding	0.03401139	0.90220953
ENSMUSG00000086040.9,Wipf3,protein_coding	0.03400306	0.83974959
ENSMUSG00000047409.14,Ctdspl,protein_coding	0.03400069	0.80537871
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ENSMUSG00000066643.13,Wdr35,protein_coding	0.03395828	0.72592899
ENSMUSG00000049482.17,Ctu2,protein_coding	0.03390975	0.82927071
ENSMUSG00000022827.15,Rabl3,protein_coding	0.03390877	0.83266123
ENSMUSG00000023973.14,Cnpy3,protein_coding	0.03388205	0.81913032
ENSMUSG00000042178.7,Armc5,protein_coding	0.03385463	0.80668719
ENSMUSG00000041236.9,Vps41,protein_coding	0.03383861	0.71197236
ENSMUSG00000106831.2,Ube2n-ps1,processed_pseudogene	0.03371674	0.84899875
ENSMUSG00000072704.7,Smim10l1,protein_coding	0.03370897	0.80855558
ENSMUSG00000021306.12,Gpr137b,protein_coding	0.03369782	0.77677825
ENSMUSG00000023965.14,Fbxl17,protein_coding	0.03356091	0.64652153
ENSMUSG00000026554.16,Dcaf8,protein_coding	0.03343445	0.53761296
ENSMUSG00000034227.8,Foxj1,protein_coding	0.03341974	0.91440327
ENSMUSG00000030105.9,Arl8b,protein_coding	0.03333143	0.74319206
ENSMUSG00000006699.18,Cdc42,protein_coding	0.03320399	0.68636912
ENSMUSG00000026655.16,Fam107b,protein_coding	0.03318237	0.90269841
ENSMUSG00000000399.11,Ndufa9,protein_coding	0.03316712	0.75475067
ENSMUSG00000027858.14,Tspan2,protein_coding	0.03315004	0.75194156
ENSMUSG00000037234.18,Hook3,protein_coding	0.03312554	0.69373034
ENSMUSG00000048661.15,Lemd3,protein_coding	0.03311561	0.61083488
ENSMUSG00000023079.15,Gtf2ird1,protein_coding	0.03310144	0.76915492
ENSMUSG00000042390.10,Gatad2b,protein_coding	0.03303444	0.5789068
ENSMUSG00000035509.18,Fbxl21,protein_coding	0.03303366	0.85011347
ENSMUSG00000030811.15,Fbxl19,protein_coding	0.03295377	0.82672647
ENSMUSG00000021360.17,Gcnt2,protein_coding	0.03290574	0.88306745
ENSMUSG00000037933.17,Bicd2,protein_coding	0.0329022	0.6162767
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ENSMUSG00000002108.11,Nr1h3,protein_coding	0.03280154	0.90077584
ENSMUSG00000022515.7,Anks3,protein_coding	0.03272233	0.73687524
ENSMUSG00000024517.18,Grp,protein_coding	0.032691	0.93808676
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ENSMUSG00000021488.9,Nsd1,protein_coding	0.03267668	0.58536303

ENSMUSG00000059263.10,Usp47,protein_coding	0.03262961	0.61463573
ENSMUSG00000036667.15,Tcaf1,protein_coding	0.03260633	0.73996211
ENSMUSG00000017715.12,Pgs1,protein_coding	0.03260211	0.73032058
ENSMUSG00000032777.10,Gtf3c1,protein_coding	0.03257479	0.70308607
ENSMUSG00000036880.11,Acaa2,protein_coding	0.0325645	0.83807808
ENSMUSG00000040385.8,Ppp1ca,protein_coding	0.03254907	0.73329654
ENSMUSG00000006315.10,Tmem147,protein_coding	0.03254592	0.82062363
ENSMUSG00000027329.10,Spef1,protein_coding	0.03251173	0.85364393
ENSMUSG00000031060.17,Rbm10,protein_coding	0.03250257	0.75670824
ENSMUSG00000028710.19,Atpaf1,protein_coding	0.03245153	0.74212965
ENSMUSG00000063317.8,Usp31,protein_coding	0.03243671	0.70114274
ENSMUSG00000039116.8,Adgrg6,protein_coding	0.03242579	0.87107023
ENSMUSG00000109992.2,Gm45650,lncRNA	0.03242055	0.94553884
ENSMUSG00000022023.7,Wbp4,protein_coding	0.03241447	0.61772551
ENSMUSG00000041341.11,Atg2b,protein_coding	0.03228018	0.56423774
ENSMUSG00000024889.6,Rce1,protein_coding	0.03225825	0.82908198
ENSMUSG00000020946.14,Gosr2,protein_coding	0.03223209	0.62135693
ENSMUSG00000061455.14,Stx17,protein_coding	0.03222976	0.68233642
ENSMUSG00000073481.10,Mtarc2,protein_coding	0.03220781	0.70509003
ENSMUSG00000039428.12,Tmem135,protein_coding	0.0321669	0.68023077
ENSMUSG00000048939.14,Atp13a5,protein_coding	0.03213363	0.76475959
ENSMUSG00000095930.2,Nim1k,protein_coding	0.03212473	0.80422586
ENSMUSG00000020838.13,Slc6a4,protein_coding	0.03208983	0.99010034
ENSMUSG00000109890.4,AU023762,lncRNA	0.03207866	0.92448273
ENSMUSG00000105733.2,Gm42973,TEC	0.03204974	0.82332136
ENSMUSG00000043866.12,Taf10,protein_coding	0.03201315	0.71913513
ENSMUSG00000100147.5,1700047M11Rik,lncRNA	0.03201036	0.86368331
ENSMUSG00000031825.17,Crispld2,protein_coding	0.03198823	0.90411405
ENSMUSG00000040855.16,Reps2,protein_coding	0.0318717	0.8100099
ENSMUSG00000010609.16,Psen2,protein_coding	0.03186459	0.82784116
ENSMUSG00000047361.17,Gm973,protein_coding	0.03184813	0.87255155
ENSMUSG00000090112.9,Shprh,protein_coding	0.03172523	0.76270925
ENSMUSG00000024387.14,Csnk2b,protein_coding	0.03169372	0.73942074
ENSMUSG00000037363.10,Letm2,protein_coding	0.03167634	0.75847125
ENSMUSG00000040549.17,Ckap5,protein_coding	0.03165202	0.66423133
ENSMUSG00000005150.17,Wdr83,protein_coding	0.03156326	0.80830774
ENSMUSG00000034563.17,Ccpg1,protein_coding	0.03150038	0.64823306
ENSMUSG00000061298.16,Agbl4,protein_coding	0.03147844	0.85435692
ENSMUSG00000026958.14,Dpp7,protein_coding	0.03147031	0.80942409
ENSMUSG00000068184.8,Ndufaf2,protein_coding	0.03144877	0.81881337
ENSMUSG00000023828.4,Slc22a3,protein_coding	0.03142896	0.92966907
ENSMUSG00000093465.2,Gm20682,lncRNA	0.03142365	0.88356936
ENSMUSG00000020102.16,Slc16a7,protein_coding	0.03141974	0.84654685
ENSMUSG00000039128.14,Cdc123,protein_coding	0.03138996	0.70806704
ENSMUSG00000020707.7,Rnf135,protein_coding	0.03134523	0.87079179
ENSMUSG00000009569.15,Mrtfb,protein_coding	0.0313101	0.84589844
ENSMUSG00000034118.16,Tpst1,protein_coding	0.03124601	0.70869047
ENSMUSG00000038982.11,Bloc1s5,protein_coding	0.03122949	0.69025359
ENSMUSG00000026941.17,Mamdc4,protein_coding	0.03115702	0.9282008
ENSMUSG00000006784.15,Odad4,protein_coding	0.0311144	0.91869629
ENSMUSG00000034088.16,Hdlbp,protein_coding	0.0310991	0.57045533
ENSMUSG00000048796.8,Cyb561d1,protein_coding	0.03109733	0.74897676

ENSMUSG00000110558.2,Gm45779,TEC	0.03107559	0.82464255
ENSMUSG00000028088.15,Fmo5,protein_coding	0.0310339	0.87359727
ENSMUSG00000045103.20,Dmd,protein_coding	0.03102928	0.80589575
ENSMUSG00000027562.13,Car2,protein_coding	0.03095573	0.76490796
ENSMUSG00000017386.11,Traf4,protein_coding	0.03085838	0.85394728
ENSMUSG00000037395.17,Rcor3,protein_coding	0.03082946	0.76785983
ENSMUSG00000027695.17,Pld1,protein_coding	0.03073828	0.77146289
ENSMUSG00000039828.8,Wdr70,protein_coding	0.03067047	0.70705898
ENSMUSG00000036873.14,2410004B18Rik,protein_coding	0.0306633	0.79621532
ENSMUSG00000041354.17,Rgl2,protein_coding	0.03066046	0.83306717
ENSMUSG00000048076.15,Arf1,protein_coding	0.03063696	0.69681115
ENSMUSG00000025184.11,R3hcc1l,protein_coding	0.03050862	0.70014561
ENSMUSG00000037822.13,Smim14,protein_coding	0.0304972	0.6073979
ENSMUSG00000022779.17,Top3b,protein_coding	0.03043763	0.69525635
ENSMUSG00000022231.11,Sema5a,protein_coding	0.03041329	0.78129922
ENSMUSG00000063506.15,Arhgap22,protein_coding	0.03036432	0.89467269
ENSMUSG00000004929.13,Thop1,protein_coding	0.03032733	0.81776143
ENSMUSG00000047187.10,Rab2a,protein_coding	0.03028239	0.81675259
ENSMUSG00000040688.17,Tbl3,protein_coding	0.03024132	0.83452563
ENSMUSG00000104346.2,Pcdhga3,protein_coding	0.03019909	0.8376707
ENSMUSG00000020181.19,Nav3,protein_coding	0.03015846	0.837298
ENSMUSG00000045078.13,Rnf216,protein_coding	0.03015777	0.66672553
ENSMUSG00000025465.14,Echs1,protein_coding	0.03015179	0.682652
ENSMUSG00000099954.2,Gm28112,lncRNA	0.03010942	0.92338383
ENSMUSG00000025889.14,Snca,protein_coding	0.03009197	0.86559542
ENSMUSG00000026956.16,Uap1l1,protein_coding	0.03006509	0.83576115
ENSMUSG00000020070.19,Rufy2,protein_coding	0.03006353	0.7019049
ENSMUSG00000030747.6,Dgat2,protein_coding	0.0299455	0.88072409
ENSMUSG00000052229.6,Gpr17,protein_coding	0.02993595	0.89046989
ENSMUSG00000095730.4,Vmn2r29,protein_coding	0.02993111	0.94069011
ENSMUSG00000038803.8,Ost4,protein_coding	0.02992481	0.80067722
ENSMUSG00000001127.13,Araf,protein_coding	0.02989254	0.6486373
ENSMUSG00000022130.11,Tgds,protein_coding	0.02983594	0.8785005
ENSMUSG00000140427.1,ENSMUSG00000140427,lncRNA	0.02970064	0.92672655
ENSMUSG00000039427.15,Alg1,protein_coding	0.02968943	0.87785311
ENSMUSG00000120390.1,Gm56743,lncRNA	0.02967731	0.81771986
ENSMUSG00000008958.15,Vps72,protein_coding	0.0296709	0.77968997
ENSMUSG00000090121.11,Abhd12b,protein_coding	0.02961811	0.97815016
ENSMUSG00000002413.16,Braf,protein_coding	0.02942775	0.70651143
ENSMUSG00000017418.15,Arl5b,protein_coding	0.02939415	0.80457162
ENSMUSG00000079426.14,Arpc4,protein_coding	0.02937967	0.74804194
ENSMUSG00000119948.2,1700087I21Rik,lncRNA	0.02931785	0.87193276
ENSMUSG00000028894.19,Inpp5b,protein_coding	0.02930843	0.71727903
ENSMUSG00000097209.4,AU022754,lncRNA	0.02929819	0.93639494
ENSMUSG00000002052.7,Supt6,protein_coding	0.02928442	0.70418821
ENSMUSG00000086980.3,Gm13791,lncRNA	0.02926559	0.90623097
ENSMUSG00000069769.14,Msi2,protein_coding	0.02913625	0.67925165
ENSMUSG00000103625.2,Gm37357,TEC	0.02911464	0.90104799
ENSMUSG00000030168.14,Adipor2,protein_coding	0.02911461	0.79432534
ENSMUSG00000081272.2,Ap2m1-ps,transcribed_processed_pseudogene	0.02910631	0.83547882
ENSMUSG00000000934.10,Top1mt,protein_coding	0.02909318	0.85863902
ENSMUSG00000078619.11,Smarcd2,protein_coding	0.02908578	0.88219068

ENSMUSG00000015189.13,Casd1,protein_coding	0.02903469	0.80296354
ENSMUSG00000028532.15,Cachd1,protein_coding	0.02901165	0.85610944
ENSMUSG00000055334.5,Snupn,protein_coding	0.02894359	0.85047575
ENSMUSG00000037685.16,Atp8a1,protein_coding	0.02884591	0.70233095
ENSMUSG00000050730.18,Arhgap42,protein_coding	0.02879271	0.85586625
ENSMUSG00000008136.15,Fhl2,protein_coding	0.02875564	0.89658417
ENSMUSG00000120011.2,Gm56639,lncRNA	0.02873078	0.94150741
ENSMUSG00000039804.16,Ncoa5,protein_coding	0.02871479	0.74881305
ENSMUSG00000034673.15,Pbx2,protein_coding	0.02869909	0.74970824
ENSMUSG00000038400.17,Pmepa1,protein_coding	0.02867391	0.81251718
ENSMUSG00000026667.15,Uhmk1,protein_coding	0.02866363	0.78388971
ENSMUSG00000141774.1,ENSMUSG00000141774,lncRNA	0.02866171	0.91771063
ENSMUSG00000001827.13,Folr1,protein_coding	0.02865321	0.95819161
ENSMUSG00000026303.7,Mlph,protein_coding	0.0286291	0.89746656
ENSMUSG00000028886.16,Eya3,protein_coding	0.02856182	0.65722174
ENSMUSG00000027820.13,Mme,protein_coding	0.02848008	0.91021853
ENSMUSG00000054280.15,Prr14l,protein_coding	0.02846991	0.6768929
ENSMUSG00000052336.9,Cx3cr1,protein_coding	0.0284606	0.86121221
ENSMUSG00000103194.2,Gm37643,TEC	0.02845168	0.86430516
ENSMUSG00000026553.18,Copa,protein_coding	0.02839742	0.66844954
ENSMUSG00000102493.2,Gm8010,unprocessed_pseudogene	0.02834648	0.95139628
ENSMUSG00000050954.16,Zfp169,protein_coding	0.02832454	0.7034207
ENSMUSG00000070923.5,Klhl9,protein_coding	0.02830442	0.76807028
ENSMUSG00000032590.15,Apeh,protein_coding	0.0282835	0.85503134
ENSMUSG00000004936.9,Map2k1,protein_coding	0.0282744	0.78869712
ENSMUSG00000102801.2,Gm37478,TEC	0.02827284	0.88370683
ENSMUSG00000134362.1,ENSMUSG00000134362,lncRNA	0.02821281	0.93401757
ENSMUSG00000027487.12,Cdk5rap1,protein_coding	0.02818158	0.83788386
ENSMUSG00000091537.3,Tma7,protein_coding	0.02816563	0.81993039
ENSMUSG00000052752.16,Traf7,protein_coding	0.02814654	0.75834634
ENSMUSG00000107019.2,Gm43682,TEC	0.02814196	0.84448878
ENSMUSG00000025503.6,Taldo1,protein_coding	0.02811096	0.8176278
ENSMUSG00000031231.5,Cox7b,protein_coding	0.02807081	0.83296711
ENSMUSG00000142256.1,ENSMUSG00000142256,lncRNA	0.02805442	0.92365134
ENSMUSG00000049090.4,Ptgr3,protein_coding	0.02801203	0.73513488
ENSMUSG00000031563.9,Wwc2,protein_coding	0.02799822	0.78475465
ENSMUSG00000019699.17,Akt3,protein_coding	0.02798748	0.7764247
ENSMUSG00000020267.7,Hint1,protein_coding	0.02791381	0.83145159
ENSMUSG00000021645.17,Smn1,protein_coding	0.02788148	0.8291585
ENSMUSG00000023915.6,Tnfrsf21,protein_coding	0.02787618	0.83073176
ENSMUSG00000107411.2,Gm19040,processed_pseudogene	0.02784797	0.8666439
ENSMUSG00000023004.9,Tuba1b,protein_coding	0.0278325	0.85891088
ENSMUSG00000015357.11,Clpx,protein_coding	0.02780491	0.77106773
ENSMUSG00000052372.11,Il1rapl1,protein_coding	0.02769894	0.86076834
ENSMUSG00000067336.7,Bmpr2,protein_coding	0.02769642	0.75073161
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ENSMUSG00000003452.16,Bicd1,protein_coding	0.02749544	0.81143314
ENSMUSG00000055373.9,Fut9,protein_coding	0.02741133	0.88722923
ENSMUSG00000026915.17,Strbp,protein_coding	0.02738199	0.78767983
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ENSMUSG00000046985.12,Tapt1,protein_coding	0.02724497	0.79872586
ENSMUSG00000020794.14,Ube2g1,protein_coding	0.02716281	0.82354984
ENSMUSG00000036932.15,Aifm1,protein_coding	0.0270824	0.75984561
ENSMUSG00000048911.16,Rnf24,protein_coding	0.02705539	0.75156413
ENSMUSG00000045930.4,Clec14a,protein_coding	0.0270532	0.87975455
ENSMUSG00000030393.9,Zik1,protein_coding	0.0270519	0.82950169
ENSMUSG00000008301.12,Phax,protein_coding	0.02703093	0.79923932
ENSMUSG00000056812.15,St8sia3,protein_coding	0.02701085	0.8560251
ENSMUSG00000103116.3,4930539M17Rik,lncRNA	0.02695506	0.96048118
ENSMUSG00000027663.14,Zmat3,protein_coding	0.0269221	0.74890224
ENSMUSG00000037876.18,Jmjd1c,protein_coding	0.02691819	0.8134504
ENSMUSG00000052914.5,Cyp2j6,protein_coding	0.02686204	0.80095385
ENSMUSG00000001098.16,Kctd10,protein_coding	0.02679497	0.72075966
ENSMUSG00000024039.16,Cbs,protein_coding	0.02675794	0.83301781
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ENSMUSG00000026074.16,Map4k4,protein_coding	0.02668953	0.69727037
ENSMUSG00000105791.2,Gm43341,TEC	0.02666161	0.92670863
ENSMUSG00000015932.9,Dstn,protein_coding	0.02663366	0.81301318
ENSMUSG00000119258.1,Gm26096,snoRNA	0.02657938	0.93559124
ENSMUSG00000119726.1,Gm26499,snoRNA	0.02657938	0.93559124
ENSMUSG00000025266.12,Gnl3l,protein_coding	0.02655857	0.76014753
ENSMUSG00000075600.4,Zc3h3,protein_coding	0.02648524	0.86626142
ENSMUSG00000022526.9,Zfp251,protein_coding	0.02640622	0.81594875
ENSMUSG00000007836.7,Hnrnpa0,protein_coding	0.0263971	0.81520563
ENSMUSG00000028899.12,Taf12,protein_coding	0.02625363	0.79462844
ENSMUSG00000085526.4,Gm16083,lncRNA	0.02622633	0.89210386
ENSMUSG00000027429.17,Sec23b,protein_coding	0.02622332	0.76019514
ENSMUSG00000121179.2,Gm56999,lncRNA	0.02618374	0.86284635
ENSMUSG00000035845.18,Alg12,protein_coding	0.02614513	0.87311637
ENSMUSG00000028106.14,Rprd2,protein_coding	0.02613406	0.65135059
ENSMUSG00000132281.1,ENSMUSG00000132281,lncRNA	0.02611366	0.93027436
ENSMUSG00000023861.19,Mpc1,protein_coding	0.02609138	0.85233447
ENSMUSG00000034518.15,Hmgxb4,protein_coding	0.0260553	0.82439025
ENSMUSG00000041654.16,Slc39a11,protein_coding	0.02599712	0.85921685
ENSMUSG00000115497.2,Gm49207,lncRNA	0.02597043	0.90615199
ENSMUSG00000022656.16,Nectin3,protein_coding	0.02596744	0.84348315
ENSMUSG00000120493.2,Gm57059,lncRNA	0.02593589	0.88946041
ENSMUSG00000024150.13,Mcfd2,protein_coding	0.02591273	0.7880806
ENSMUSG00000040151.10,Hs2st1,protein_coding	0.02590893	0.77200274
ENSMUSG00000082208.2,Gm15379,processed_pseudogene	0.02587981	0.94183001
ENSMUSG00000002109.15,Ddb2,protein_coding	0.02586391	0.84998587
ENSMUSG00000026404.13,Ddx59,protein_coding	0.0258494	0.85565509
ENSMUSG00000039512.13,Bltp3a,protein_coding	0.02578925	0.77339042
ENSMUSG00000096233.2,Gm13238,processed_pseudogene	0.0257822	0.96630486
ENSMUSG00000047342.18,Zfp286,protein_coding	0.02578217	0.85089811
ENSMUSG00000026159.14,Agfg1,protein_coding	0.025773	0.7518115
ENSMUSG00000061778.11,Mospd2,protein_coding	0.02576091	0.84164377
ENSMUSG00000067879.4,Vxn,protein_coding	0.0257506	0.92334559
ENSMUSG00000026918.17,Brd3,protein_coding	0.02574626	0.67140081
ENSMUSG00000124114.1,ENSMUSG00000124114,lncRNA	0.02571204	0.88590619
ENSMUSG00000026269.15,Rnpepl1,protein_coding	0.02568491	0.83479594
ENSMUSG00000071014.11,Ndufb6,protein_coding	0.02567715	0.90119354

ENSMUSG00000035202.9,Lars2,protein_coding	0.02565469	0.92271748
ENSMUSG00000042298.19,Ttc19,protein_coding	0.02565438	0.80462231
ENSMUSG00000041915.10,Ammecr1l,protein_coding	0.02565373	0.71362687
ENSMUSG00000044477.13,Zfand3,protein_coding	0.02563347	0.71071902
ENSMUSG00000120070.2,Gm56719,lncRNA	0.02563032	0.93552422
ENSMUSG00000017466.11,Timp2,protein_coding	0.025624	0.87629216
ENSMUSG00000113853.2,Gm47583,TEC	0.02561247	0.87495923
ENSMUSG00000136219.1,ENSMUSG00000136219,lncRNA	0.02558936	0.93620515
ENSMUSG00000031703.9,Itfg1,protein_coding	0.02558273	0.83159939
ENSMUSG00000019927.7,Ube2d1,protein_coding	0.02558106	0.8175593
ENSMUSG00000040128.10,Pnrc1,protein_coding	0.02556767	0.81694367
ENSMUSG00000000916.16,Nsun5,protein_coding	0.02552904	0.83787633
ENSMUSG00000001323.18,Srr,protein_coding	0.0255217	0.84458623
ENSMUSG00000056234.16,Ncoa4,protein_coding	0.02544484	0.69995475
ENSMUSG00000038056.16,Kmt2c,protein_coding	0.02542909	0.7425446
ENSMUSG00000082711.2,Gm12987,processed_pseudogene	0.02534744	0.95965922
ENSMUSG00000019803.12,Nr2e1,protein_coding	0.02534722	0.90125521
ENSMUSG00000006463.14,Zdhhc24,protein_coding	0.02533097	0.7613417
ENSMUSG00000064363.1,mt-Nd4,protein_coding	0.02530932	0.92234891
ENSMUSG00000032786.17,Alas1,protein_coding	0.02529339	0.74367987
ENSMUSG00000097391.10,Mirg,lncRNA	0.02527131	0.86439853
ENSMUSG00000021981.11,Cab39l,protein_coding	0.0252343	0.81130613
ENSMUSG00000015536.15,Mocs2,protein_coding	0.02522131	0.7378548
ENSMUSG00000026663.7,Atf6,protein_coding	0.0251611	0.75307695
ENSMUSG00000015970.20,Chdh,protein_coding	0.02509856	0.90134412
ENSMUSG00000102417.2,Gm36939,TEC	0.02506782	0.9198863
ENSMUSG00000052920.17,Prkg1,protein_coding	0.02506563	0.84367393
ENSMUSG00000032480.18,Dhx30,protein_coding	0.02503043	0.71735135
ENSMUSG00000019232.15,Etnppl,protein_coding	0.02494067	0.92344578
ENSMUSG00000011427.17,Zfp790,protein_coding	0.02490445	0.80948079
ENSMUSG00000084941.2,Gm11944,lncRNA	0.02486736	0.92565501
ENSMUSG00000063458.14,Lrmda,protein_coding	0.02485899	0.94629221
ENSMUSG00000040021.15,Lats1,protein_coding	0.02480958	0.78266281
ENSMUSG00000022560.10,Slc52a2,protein_coding	0.02480503	0.8361953
ENSMUSG00000048782.17,Insc,protein_coding	0.02477947	0.91428598
ENSMUSG00000108092.2,Gm44189,TEC	0.02471987	0.91106907
ENSMUSG00000032353.10,Tmed3,protein_coding	0.02471658	0.87500478
ENSMUSG00000086804.10,Gm43154,lncRNA	0.02468878	0.94842678
ENSMUSG00000027809.15,Etfdh,protein_coding	0.02464297	0.73743296
ENSMUSG00000024853.11,Sf3b2,protein_coding	0.02464145	0.77882427
ENSMUSG00000044647.17,Csrnp3,protein_coding	0.02457934	0.83026814
ENSMUSG00000089847.9,Timm10b,protein_coding	0.02446834	0.76715519
ENSMUSG00000106047.2,Gm42942,TEC	0.02441624	0.89295297
ENSMUSG00000061414.9,Cracr2a,protein_coding	0.02441413	0.91013422
ENSMUSG00000039205.17,Ciz1,protein_coding	0.02435617	0.80030912
ENSMUSG00000087475.6,4933406I18Rik,lncRNA	0.02432626	0.87600581
ENSMUSG00000030815.12,Phkg2,protein_coding	0.0243143	0.75516614
ENSMUSG00000037772.14,Mrpl23,protein_coding	0.02428077	0.89773717
ENSMUSG00000110156.5,Gm42067,lncRNA	0.02422047	0.9053477
ENSMUSG00000087694.9,Gjd2os,lncRNA	0.02422029	0.87601439
ENSMUSG00000051527.12,Usp29,protein_coding	0.02421641	0.86279896
ENSMUSG00000047904.7,Sstr2,protein_coding	0.02415683	0.90854162

ENSMUSG00000022840.10,Adcy5,protein_coding	0.02415176	0.92392848
ENSMUSG00000007415.16,Gatad1,protein_coding	0.024145	0.78831291
ENSMUSG00000035783.10,Acta2,protein_coding	0.02414147	0.9182211
ENSMUSG00000026072.13,Il1r1,protein_coding	0.02406743	0.88370355
ENSMUSG00000038132.7,Rbm24,protein_coding	0.02406225	0.90041742
ENSMUSG00000031835.17,Mbtps1,protein_coding	0.02391493	0.71743218
ENSMUSG00000033900.14,Map9,protein_coding	0.02389829	0.84784646
ENSMUSG00000021967.5,Mrpl57,protein_coding	0.023833	0.8296536
ENSMUSG00000007989.8,Fzd3,protein_coding	0.02378844	0.84841547
ENSMUSG00000016128.15,Stard13,protein_coding	0.02375513	0.78744072
ENSMUSG00000045409.17,Trim39,protein_coding	0.02369531	0.82753141
ENSMUSG00000028085.13,Gatb,protein_coding	0.02359438	0.82343793
ENSMUSG00000057335.12,Cep170,protein_coding	0.02356979	0.73026161
ENSMUSG00000006567.12,Atp7b,protein_coding	0.02349263	0.89674145
ENSMUSG00000117613.4,Gm2629,lncRNA	0.02344823	0.92487023
ENSMUSG00000017858.13,Ift52,protein_coding	0.02333574	0.83660979
ENSMUSG00000055817.19,Mta3,protein_coding	0.02329158	0.81189647
ENSMUSG00000023074.12,Mospd1,protein_coding	0.02328734	0.89817661
ENSMUSG00000106291.2,1110003F10Rik,TEC	0.02322994	0.93911194
ENSMUSG00000022883.12,Robo1,protein_coding	0.02317376	0.85673862
ENSMUSG00000029616.10,Erp29,protein_coding	0.02313284	0.80958522
ENSMUSG00000048602.10,Morc2b,protein_coding	0.02311599	0.88160446
ENSMUSG00000090564.11,A430057M04Rik,lncRNA	0.02311137	0.9432873
ENSMUSG00000020628.17,Trappc12,protein_coding	0.02308295	0.77149626
ENSMUSG00000032051.10,Fdx1,protein_coding	0.02308111	0.86978102
ENSMUSG00000022453.9,Naga,protein_coding	0.02307599	0.89241993
ENSMUSG00000020175.16,Rab36,protein_coding	0.02306469	0.89528532
ENSMUSG00000001755.13,Coasy,protein_coding	0.02304293	0.88440598
ENSMUSG00000020124.11,Usp15,protein_coding	0.02300719	0.76544251
ENSMUSG00000042564.15,Fam227a,protein_coding	0.02298363	0.85224481
ENSMUSG00000137245.1,ENSMUSG00000137245,lncRNA	0.02290751	0.92009036
ENSMUSG00000003882.6,Il7r,protein_coding	0.02282146	0.97283699
ENSMUSG00000022604.19,Cep97,protein_coding	0.02279662	0.78098491
ENSMUSG00000032316.9,Clk3,protein_coding	0.02277395	0.79942498
ENSMUSG00000032946.17,Rasgrp2,protein_coding	0.02266989	0.92002519
ENSMUSG00000029397.16,Rchy1,protein_coding	0.02262534	0.76590913
ENSMUSG00000134568.1,ENSMUSG00000134568,lncRNA	0.02259921	0.96121322
ENSMUSG00000068396.10,Rpl34-ps1,processed_pseudogene	0.02255386	0.98784001
ENSMUSG00000019432.16,Ddx39b,protein_coding	0.02250973	0.83461417
ENSMUSG00000040822.8,1700123O20Rik,protein_coding	0.02247261	0.8820951
ENSMUSG00000028249.16,Sdcbp,protein_coding	0.0224648	0.84094668
ENSMUSG00000075033.5,Nxpe3,protein_coding	0.02246207	0.86434742
ENSMUSG00000039672.13,Kcne2,protein_coding	0.02239737	0.96844245
ENSMUSG00000052296.8,Ppp6r1,protein_coding	0.02239491	0.79539544
ENSMUSG00000047155.14,Cyp4x1,protein_coding	0.02239181	0.87566563
ENSMUSG00000020325.11,Fstl3,protein_coding	0.02234264	0.94749202
ENSMUSG00000045576.17,St7l,protein_coding	0.02233452	0.79304843
ENSMUSG00000092074.3,Dynlt1a,protein_coding	0.02227141	0.87307187
ENSMUSG00000114926.4,Gm2379,lncRNA	0.02224977	0.9367516
ENSMUSG00000121092.1,Gm56862,lncRNA	0.02224931	0.94566371
ENSMUSG00000014402.16,Tsg101,protein_coding	0.02222856	0.77498973
ENSMUSG00000033730.5,Egr3,protein_coding	0.02219152	0.94327163

ENSMUSG00000016503.19,Gtf3a,protein_coding	0.02216917	0.86847706
ENSMUSG00000035601.10,Trmt10b,protein_coding	0.02208373	0.87341775
ENSMUSG00000032264.10,Zw10,protein_coding	0.02202012	0.87092935
ENSMUSG00000110400.2,Gm45416,TEC	0.02197176	0.93094877
ENSMUSG00000042572.13,Ube2q1,protein_coding	0.02196862	0.71846313
ENSMUSG00000090622.2,A930033H14Rik,lncRNA	0.02195357	0.91744604
ENSMUSG00000027428.10,Rbbp9,protein_coding	0.02194463	0.84978049
ENSMUSG00000056771.10,Gm10010,lncRNA	0.02194106	0.90523402
ENSMUSG00000048078.17,Tenm4,protein_coding	0.02190013	0.88514257
ENSMUSG00000023805.18,Synj2,protein_coding	0.02186217	0.84579281
ENSMUSG00000032419.9,Tbx18,protein_coding	0.02185623	0.91018566
ENSMUSG00000115122.2,Gm49685,lncRNA	0.02181808	0.93863941
ENSMUSG00000055494.6,Gm14168,lncRNA	0.02173827	0.93032629
ENSMUSG00000138670.1,ENSMUSG00000138670,lncRNA	0.0216795	0.93807324
ENSMUSG00000060206.12,Zfp462,protein_coding	0.02167655	0.83390156
ENSMUSG00000028013.17,Ppa2,protein_coding	0.02166611	0.78608333
ENSMUSG00000020849.14,Ywhae,protein_coding	0.02165399	0.733273
ENSMUSG00000115456.3,Gm35248,lncRNA	0.02159523	0.94080186
ENSMUSG00000001946.15,Esam,protein_coding	0.02158585	0.89215363
ENSMUSG00000030801.11,Kat8,protein_coding	0.02154823	0.83927309
ENSMUSG00000049336.17,Tenm2,protein_coding	0.0215106	0.89359539
ENSMUSG00000018974.8,Sart3,protein_coding	0.02143903	0.80199245
ENSMUSG00000027936.19,Crtc2,protein_coding	0.02133067	0.85201306
ENSMUSG00000030934.10,Oat,protein_coding	0.0212241	0.84828461
ENSMUSG00000087424.4,5730405O15Rik,lncRNA	0.02121062	0.86762742
ENSMUSG00000021747.13,Cfap20dc,protein_coding	0.02117202	0.89895501
ENSMUSG00000029670.13,Ing3,protein_coding	0.02116927	0.84958282
ENSMUSG00000038848.15,Ythdf1,protein_coding	0.02110905	0.75146943
ENSMUSG00000039473.9,Ubn1,protein_coding	0.02106698	0.71839648
ENSMUSG00000032299.11,Commd4,protein_coding	0.0210495	0.85858419
ENSMUSG00000017760.17,Ctsa,protein_coding	0.02104586	0.8305963
ENSMUSG00000058672.8,Tubb2a,protein_coding	0.02102715	0.8974548
ENSMUSG00000121107.1,9330133O14Rik,lncRNA	0.02100774	0.87394832
ENSMUSG00000110360.2,Gm45380,processed_pseudogene	0.02100148	0.94086022
ENSMUSG00000135361.1,ENSMUSG00000135361,lncRNA	0.02098262	0.94171405
ENSMUSG00000029403.15,Cdkl2,protein_coding	0.02093194	0.86879937
ENSMUSG00000058569.9,Tmed9,protein_coding	0.02093171	0.79095007
ENSMUSG00000057396.8,Zfp759,protein_coding	0.0208714	0.90160638
ENSMUSG00000045767.10,B230219D22Rik,protein_coding	0.02085052	0.841009
ENSMUSG00000045251.14,Zfp688,protein_coding	0.02077547	0.90960799
ENSMUSG00000024780.8,Cdc37l1,protein_coding	0.02071274	0.80824157
ENSMUSG00000002812.5,Flii,protein_coding	0.02068508	0.85965053
ENSMUSG00000043415.6,Otud1,protein_coding	0.02065005	0.86373462
ENSMUSG00000022747.18,St3gal6,protein_coding	0.02064035	0.86763153
ENSMUSG00000028923.15,Necap2,protein_coding	0.02063856	0.8796957
ENSMUSG00000112448.2,Gm48182,TEC	0.0205895	0.92963645
ENSMUSG00000033542.14,Arhgef5,protein_coding	0.0205249	0.87827171
ENSMUSG00000080078.3,Gm15583,transcribed_processed_pseudogene	0.02050775	0.98603461
ENSMUSG00000050315.15,Synpo2,protein_coding	0.02050313	0.94695663
ENSMUSG00000084029.2,Gm8855,processed_pseudogene	0.02044049	0.93625909
ENSMUSG00000025157.9,Zdhhc16,protein_coding	0.02040421	0.7974666
ENSMUSG00000055148.8,Klf2,protein_coding	0.02040021	0.92386854

ENSMUSG00000056941.18,Commd7,protein_coding	0.02037297	0.81940443
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ENSMUSG00000045257.11,Morn2,protein_coding	0.0203289	0.92426657
ENSMUSG00000120906.1,Gm57036,lncRNA	0.02031813	0.92112191
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ENSMUSG00000050121.10,Opalin,protein_coding	0.02025721	0.91742939
ENSMUSG00000057134.8,Ado,protein_coding	0.02025629	0.81590748
ENSMUSG00000024782.8,Ak3,protein_coding	0.02023019	0.81223144
ENSMUSG00000047193.17,Dync2h1,protein_coding	0.02018484	0.76571842
ENSMUSG00000019846.12,Lama4,protein_coding	0.0201738	0.84409071
ENSMUSG00000117126.2,Gm49924,TEC	0.02007553	0.95433414
ENSMUSG00000120399.2,Gm56949,lncRNA	0.02002505	0.93697196
ENSMUSG00000032199.14,Polr2m,protein_coding	0.02001779	0.81120016
ENSMUSG00000035392.18,Dennd1a,protein_coding	0.02001233	0.74808302
ENSMUSG00000001157.14,Gmcl1,protein_coding	0.01987929	0.8516476
ENSMUSG00000005686.18,Ampd3,protein_coding	0.01987499	0.81858848
ENSMUSG00000038965.18,Ube2l3,protein_coding	0.01987163	0.74603699
ENSMUSG00000031755.7,Bbs2,protein_coding	0.01981397	0.8581917
ENSMUSG00000034801.14,Sos2,protein_coding	0.01981391	0.76761679
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ENSMUSG00000029128.13,Rab28,protein_coding	0.01976952	0.81790366
ENSMUSG00000024885.10,Aldh3b1,protein_coding	0.01974955	0.94803754
ENSMUSG00000067194.7,Eif1ax,protein_coding	0.01972198	0.87578966
ENSMUSG00000032905.6,Atg12,protein_coding	0.01972144	0.80397278
ENSMUSG00000034573.15,Ptpn13,protein_coding	0.0196775	0.84917319
ENSMUSG00000087056.3,Gm14004,lncRNA	0.01961102	0.94973868
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ENSMUSG00000027534.17,Snx16,protein_coding	0.019558	0.90041884
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ENSMUSG00000029648.14,Flt1,protein_coding	0.01933139	0.83598769
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ENSMUSG00000126648.1,ENSMUSG00000126648,lncRNA	0.01923229	0.9272484
ENSMUSG00000048000.16,Gigyf2,protein_coding	0.01921535	0.71039653
ENSMUSG00000044018.4,Mrpl50,protein_coding	0.01920785	0.81464382
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ENSMUSG00000034111.7,Tmed8,protein_coding	0.01906492	0.80937603
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ENSMUSG00000040649.16,Rimklb,protein_coding	0.01880435	0.88366457
ENSMUSG00000026563.14,Tada1,protein_coding	0.01878226	0.82361085
ENSMUSG00000041153.10,Osgin2,protein_coding	0.0187817	0.89165019
ENSMUSG00000021908.11,Ncoa4-ps,transcribed_processed_pseudogene	0.01871425	0.9840595
ENSMUSG00000025240.11,Sacm1l,protein_coding	0.01866633	0.87165194
ENSMUSG00000026087.12,Mrpl30,protein_coding	0.0186587	0.85372723
ENSMUSG00000024122.17,Pdpk1,protein_coding	0.01862932	0.79985292
ENSMUSG00000069662.6,Marcks,protein_coding	0.01859824	0.86437647
ENSMUSG00000007656.15,Arpp19,protein_coding	0.01859065	0.93173334
ENSMUSG00000019791.13,Hint3,protein_coding	0.01855332	0.86581111
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ENSMUSG00000034889.9,Cactin,protein_coding	0.01852523	0.90125561
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ENSMUSG00000036285.11,Noa1,protein_coding	0.01835519	0.8553586
ENSMUSG00000129086.1,ENSMUSG00000129086,lncRNA	0.01833311	0.97333771
ENSMUSG00000034893.10,Cog3,protein_coding	0.01829686	0.78723498
ENSMUSG00000020585.6,Laptm4a,protein_coding	0.01828446	0.81459862
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ENSMUSG00000026457.15,Adipor1,protein_coding	0.01817315	0.77871566
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ENSMUSG00000043635.13,Adamts3,protein_coding	0.0180362	0.91861042
ENSMUSG00000112875.2,Gm48074,TEC	0.01800689	0.95057619
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ENSMUSG00000029192.18,Tbc1d14,protein_coding	0.0180002	0.80296479
ENSMUSG00000029992.15,Gfpt1,protein_coding	0.01797092	0.79953828
ENSMUSG00000035443.11,Thyn1,protein_coding	0.0179332	0.843419
ENSMUSG00000024211.16,Grm8,protein_coding	0.01787929	0.90927538
ENSMUSG00000036009.17,Mettl25,protein_coding	0.0178312	0.91754599
ENSMUSG00000103037.2,Pcdhgb1,protein_coding	0.01782586	0.90389898
ENSMUSG00000039145.17,Camk1d,protein_coding	0.01782013	0.86282243
ENSMUSG00000024644.18,Cndp2,protein_coding	0.01778713	0.8739495
ENSMUSG00000001052.16,Sec24b,protein_coding	0.01777876	0.80027107
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ENSMUSG00000032393.16,Dpp8,protein_coding	0.01774398	0.78664813
ENSMUSG00000055818.4,A230083G16Rik,lncRNA	0.01771824	0.8951766
ENSMUSG00000087513.3,Gm13236,lncRNA	0.01769664	0.91090574
ENSMUSG00000091475.8,Cerox1,lncRNA	0.01769104	0.90184208
ENSMUSG00000028266.18,Lmo4,protein_coding	0.01767828	0.90547338
ENSMUSG00000081137.4,Gm15246,transcribed_processed_pseudogene	0.01765396	0.92050185
ENSMUSG00000032547.13,Ryk,protein_coding	0.01763643	0.80747923
ENSMUSG00000106092.2,Gm43072,TEC	0.01760956	0.91418876
ENSMUSG00000050379.16,Septin6,protein_coding	0.01750161	0.85770525

ENSMUSG00000028086.16,Fbxw7,protein_coding	0.01749604	0.86825371
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ENSMUSG00000001763.15,Tspan33,protein_coding	0.01747319	0.86384275
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ENSMUSG00000076433.6,Cep295nl,protein_coding	0.01742855	0.95736591
ENSMUSG00000059248.14,Septin9,protein_coding	0.01738241	0.90432322
ENSMUSG00000028688.14,Toe1,protein_coding	0.01733272	0.9163079
ENSMUSG00000026430.17,Rassf5,protein_coding	0.01733147	0.90306159
ENSMUSG00000027088.11,Phospho2,protein_coding	0.01722166	0.84756107
ENSMUSG00000115073.2,Gm49283,TEC	0.0171943	0.9381147
ENSMUSG00000097464.2,Gm26736,TEC	0.01710188	0.94249828
ENSMUSG00000033577.19,Myo6,protein_coding	0.01709519	0.82884986
ENSMUSG00000079465.9,Col4a3,protein_coding	0.01708402	0.96080169
ENSMUSG00000063884.7,Ptcd3,protein_coding	0.01707241	0.81192645
ENSMUSG00000051599.5,Pcdhb2,protein_coding	0.01696054	0.93751453
ENSMUSG00000086224.10,2700069I18Rik,lncRNA	0.01694937	0.96340695
ENSMUSG00000021702.8,Thbs4,protein_coding	0.01694189	0.96928533
ENSMUSG00000008763.17,Man1a2,protein_coding	0.01693209	0.85522529
ENSMUSG00000004896.17,Mettl25b,protein_coding	0.01692761	0.86378362
ENSMUSG00000036985.13,Zdhhc9,protein_coding	0.01692392	0.79579495
ENSMUSG00000090291.4,Lrrc10b,protein_coding	0.01691806	0.97070235
ENSMUSG00000037824.7,Tspan14,protein_coding	0.01691192	0.87375742
ENSMUSG00000042364.12,Snx18,protein_coding	0.01689954	0.85951111
ENSMUSG00000102916.2,Gm37725,TEC	0.01688706	0.95999975
ENSMUSG00000107278.2,Gm42600,TEC	0.01688347	0.94648691
ENSMUSG00000000804.15,Usp32,protein_coding	0.01684811	0.84387729
ENSMUSG00000107877.3,4933427D14Rik,protein_coding	0.01680081	0.9323525
ENSMUSG00000005373.14,Mlxipl,protein_coding	0.0166762	0.94223824
ENSMUSG00000051232.14,Tmem199,protein_coding	0.01658217	0.89934348
ENSMUSG00000091712.3,Sec14l5,protein_coding	0.01656611	0.90821012
ENSMUSG00000021286.9,Zfyve21,protein_coding	0.01652339	0.93405415
ENSMUSG00000110405.2,Gm45534,TEC	0.01645718	0.94471476
ENSMUSG00000037999.14,Arap2,protein_coding	0.01630011	0.87949712
ENSMUSG00000092569.5,Gm20544,lncRNA	0.01627838	0.93481566
ENSMUSG00000037190.13,Cyb561d2,protein_coding	0.01625044	0.93379036
ENSMUSG00000121724.2,Ppp1ccb,lncRNA	0.01620571	0.93133594
ENSMUSG00000103827.4,Gm32950,lncRNA	0.01616096	0.95709815
ENSMUSG00000017686.18,Rhot1,protein_coding	0.01604966	0.83472053
ENSMUSG00000050064.16,Zfp697,protein_coding	0.01601567	0.8906928
ENSMUSG00000050428.8,Fbxo46,protein_coding	0.01601539	0.88899872
ENSMUSG00000033632.18,AW554918,protein_coding	0.01600816	0.87327819
ENSMUSG00000020149.18,Rab1a,protein_coding	0.01594426	0.87895912
ENSMUSG00000040272.15,Accs,protein_coding	0.01590229	0.91754381
ENSMUSG00000121773.1,ENSMUSG00000121773,lncRNA	0.01589287	0.92550039
ENSMUSG00000109108.2,Gm36371,lncRNA	0.01588405	0.956061
ENSMUSG00000042581.15,Thsd7b,protein_coding	0.01584269	0.93410159
ENSMUSG00000030654.10,Arl6ip1,protein_coding	0.01584023	0.88539675
ENSMUSG00000003680.17,Taf6l,protein_coding	0.0158173	0.93426345
ENSMUSG00000030309.17,Caprin2,protein_coding	0.01578276	0.88654873
ENSMUSG00000047910.7,Pcdhb16,protein_coding	0.01576665	0.85961463
ENSMUSG00000011158.9,Brf1,protein_coding	0.01576462	0.85706541
ENSMUSG00000064367.1,mt-Nd5,protein_coding	0.01572485	0.94118879

ENSMUSG00000030123.16,Plxnd1,protein_coding	0.01571876	0.92290538
ENSMUSG00000002043.18,Trappc6a,protein_coding	0.01565164	0.95091042
ENSMUSG00000013878.19,Rnf170,protein_coding	0.01543102	0.88454854
ENSMUSG00000023885.10,Thbs2,protein_coding	0.01542198	0.92601334
ENSMUSG00000039117.17,Taf4,protein_coding	0.01540524	0.85531045
ENSMUSG00000062070.13,Pgk1,protein_coding	0.0153497	0.89654967
ENSMUSG00000108055.2,Gm43876,TEC	0.01532852	0.92137764
ENSMUSG00000067028.12,Cntnap5b,protein_coding	0.01529418	0.89783546
ENSMUSG00000044361.17,BC024139,protein_coding	0.01527822	0.96624742
ENSMUSG00000025280.9,Polr3a,protein_coding	0.01526179	0.8510416
ENSMUSG00000041193.16,Pla2g5,protein_coding	0.01524109	0.96682271
ENSMUSG00000105485.2,Gm42447,TEC	0.01514532	0.95097859
ENSMUSG00000020973.8,Dnaaf2,protein_coding	0.01512836	0.94912147
ENSMUSG00000130563.1,ENSMUSG00000130563,lncRNA	0.01506457	0.95087281
ENSMUSG00000034653.12,Ythdc2,protein_coding	0.0150274	0.86928751
ENSMUSG00000103400.3,Gm15853,lncRNA	0.01499683	0.9481426
ENSMUSG00000035529.11,Prdm4,protein_coding	0.01496115	0.85966134
ENSMUSG00000033444.15,Specc1l,protein_coding	0.01494479	0.81238951
ENSMUSG00000028277.14,Ube2j1,protein_coding	0.0149367	0.88209625
ENSMUSG00000048279.20,Sacs,protein_coding	0.01493169	0.89067399
ENSMUSG00000022897.16,Dyrk1a,protein_coding	0.01489116	0.83376508
ENSMUSG00000031077.8,Fadd,protein_coding	0.01485455	0.92972213
ENSMUSG00000114431.2,Gm48601,TEC	0.01484009	0.93267392
ENSMUSG00000037992.17,Rara,protein_coding	0.01482857	0.93629455
ENSMUSG00000000031.20,H19,lncRNA	0.0148206	0.98366577
ENSMUSG00000025812.19,Pard3,protein_coding	0.01479224	0.89809143
ENSMUSG00000071252.7,2210408I21Rik,protein_coding	0.0147573	0.88856947
ENSMUSG00000030613.14,Ccdc90b,protein_coding	0.01471112	0.92754319
ENSMUSG00000040857.16,Erf,protein_coding	0.01461959	0.90204734
ENSMUSG00000105896.2,Gm43311,TEC	0.01459515	0.96138836
ENSMUSG00000115591.3,Gm31282,lncRNA	0.01457161	0.97149964
ENSMUSG00000071652.9,Ints5,protein_coding	0.01455629	0.88721776
ENSMUSG00000038633.6,Degs1,protein_coding	0.01453954	0.90912064
ENSMUSG00000012296.17,Tjap1,protein_coding	0.01449368	0.9218854
ENSMUSG00000013495.16,Tmem175,protein_coding	0.01444718	0.85008168
ENSMUSG00000070583.2,Fv1,protein_coding	0.01442578	0.90447005
ENSMUSG00000027598.17,Itch,protein_coding	0.01440998	0.82385215
ENSMUSG00000053916.5,Nanp,protein_coding	0.01440184	0.92103889
ENSMUSG00000043140.11,Tmem186,protein_coding	0.01439741	0.85452633
ENSMUSG00000106596.2,Gm42822,TEC	0.01439577	0.94032212
ENSMUSG00000024253.10,Dync2li1,protein_coding	0.01439463	0.92486649
ENSMUSG00000106815.2,Gm43658,TEC	0.01431858	0.91927016
ENSMUSG00000047369.18,Dnah14,protein_coding	0.0143094	0.96326457
ENSMUSG00000020053.19,Igf1,protein_coding	0.01425021	0.91846076
ENSMUSG00000033436.14,Armcx2,protein_coding	0.01423842	0.86935938
ENSMUSG00000126929.1,ENSMUSG00000126929,lncRNA	0.01417805	0.96592469
ENSMUSG00000096006.2,Gm21596,processed_pseudogene	0.01408801	0.96853501
ENSMUSG00000032599.13,Ip6k2,protein_coding	0.01407953	0.84163396
ENSMUSG00000022887.10,Masp1,protein_coding	0.01405779	0.9273653
ENSMUSG00000024382.14,Ercc3,protein_coding	0.01404092	0.88789593
ENSMUSG00000017428.17,Psmd11,protein_coding	0.01399296	0.83585922
ENSMUSG00000025487.16,Psmd13,protein_coding	0.01398578	0.90282099

ENSMUSG00000026753.6,Ppp6c,protein_coding	0.01398407	0.92804709
ENSMUSG00000090135.2,Gm15809,lncRNA	0.01392695	0.97305021
ENSMUSG00000070934.7,Rraga,protein_coding	0.01392053	0.90409981
ENSMUSG00000074211.5,Sdhaf1,protein_coding	0.01390521	0.92704524
ENSMUSG00000136351.1,ENSMUSG00000136351,lncRNA	0.01390191	0.94475803
ENSMUSG00000079402.10,Gm3020,protein_coding	0.0138251	0.96540361
ENSMUSG00000096488.2,Gm10409,protein_coding	0.0138251	0.96540361
ENSMUSG00000020716.17,Nf1,protein_coding	0.01381209	0.81788656
ENSMUSG00000071656.8,Lrrn4cl,protein_coding	0.01378614	0.96727384
ENSMUSG00000113425.2,Gm48653,lncRNA	0.01376762	0.9463877
ENSMUSG00000028681.12,Ptch2,protein_coding	0.01373966	0.95705917
ENSMUSG00000010021.14,Kif19a,protein_coding	0.01373898	0.96181462
ENSMUSG00000057788.14,Ddx49,protein_coding	0.01373698	0.91440491
ENSMUSG00000015143.16,Actn1,protein_coding	0.01370658	0.93100933
ENSMUSG00000040177.11,2310057M21Rik,protein_coding	0.01370442	0.84187189
ENSMUSG00000041460.17,Cacna2d4,protein_coding	0.01361236	0.94818451
ENSMUSG00000029004.16,Kmt2e,protein_coding	0.01360179	0.86029802
ENSMUSG00000059975.16,Zfp74,protein_coding	0.01351971	0.86331207
ENSMUSG00000104420.2,E230020A03Rik,TEC	0.01350243	0.93708676
ENSMUSG00000003438.18,Timm50,protein_coding	0.01343815	0.92782892
ENSMUSG00000028729.16,Ebna1bp2,protein_coding	0.01335889	0.83588138
ENSMUSG00000114081.2,Gm48904,TEC	0.01332891	0.9360684
ENSMUSG00000096938.9,9530052E02Rik,lncRNA	0.01332546	0.95972666
ENSMUSG00000030663.13,1110004F10Rik,protein_coding	0.01331416	0.87934128
ENSMUSG00000096010.3,H4c16,protein_coding	0.01328983	0.94768606
ENSMUSG00000106469.2,C030015E24Rik,TEC	0.01327577	0.95128735
ENSMUSG00000032571.15,Pik3r4,protein_coding	0.01327013	0.86408041
ENSMUSG00000107396.4,4930425L21Rik,lncRNA	0.01326947	0.97795622
ENSMUSG00000113216.4,Gm40841,lncRNA	0.01323104	0.92523423
ENSMUSG00000077698.3,Snord12,snoRNA	0.01318887	0.96799491
ENSMUSG00000004565.16,Pnpla6,protein_coding	0.01310533	0.8815671
ENSMUSG00000025159.9,Mms19,protein_coding	0.01310102	0.8900554
ENSMUSG00000015522.20,Arnt,protein_coding	0.01303751	0.89028055
ENSMUSG00000025008.16,Tctn3,protein_coding	0.01298616	0.91711711
ENSMUSG00000043463.7,Rab9b,protein_coding	0.01291094	0.93812008
ENSMUSG00000024663.21,Rab3il1,protein_coding	0.01284639	0.93615589
ENSMUSG00000062794.9,Zfp599,protein_coding	0.01283126	0.92519274
ENSMUSG00000022772.13,Senp5,protein_coding	0.01282846	0.83721286
ENSMUSG00000024218.14,Taf11,protein_coding	0.01278515	0.8619747
ENSMUSG00000029098.18,Acox3,protein_coding	0.01273957	0.8831169
ENSMUSG00000064368.1,mt-Nd6,protein_coding	0.01273537	0.933244
ENSMUSG00000046959.17,Slc26a1,protein_coding	0.01271651	0.96398914
ENSMUSG00000042523.13,Dnal1,protein_coding	0.01270677	0.91516792
ENSMUSG00000015023.8,Ddx19a,protein_coding	0.01267234	0.91132824
ENSMUSG00000050963.8,Kcns2,protein_coding	0.0126488	0.94392
ENSMUSG00000121080.1,Gm57228,lncRNA	0.01263719	0.94408322
ENSMUSG00000023755.11,Rhebl1,protein_coding	0.01243967	0.94464053
ENSMUSG00000031971.16,Ccsap,protein_coding	0.01240946	0.93193363
ENSMUSG00000119740.1,Gm24100,snoRNA	0.01238019	0.99166297
ENSMUSG00000019528.19,Gyg1,protein_coding	0.01234151	0.93824464
ENSMUSG00000033475.16,Tomm6,protein_coding	0.01231596	0.92655783
ENSMUSG00000039176.18,Polg,protein_coding	0.01228976	0.85948186

ENSMUSG00000032656.15,Marchf3,protein_coding	0.01228431	0.94473648
ENSMUSG00000030730.13,Atp2a1,protein_coding	0.01227554	0.98207033
ENSMUSG00000020354.16,Sgcd,protein_coding	0.01224303	0.93096102
ENSMUSG00000044566.16,Cage1,protein_coding	0.0121234	0.9506217
ENSMUSG00000053746.9,Ptrh1,protein_coding	0.01212002	0.96557522
ENSMUSG00000059878.13,Zfp422,protein_coding	0.01208082	0.9092385
ENSMUSG00000028525.17,Pde4b,protein_coding	0.01202446	0.86510767
ENSMUSG00000024286.9,Ccny,protein_coding	0.0120003	0.91418433
ENSMUSG00000091764.5,Zfp964,protein_coding	0.01195498	0.93424923
ENSMUSG00000123640.1,ENSMUSG00000123640,lncRNA	0.01183733	0.96063369
ENSMUSG00000036902.12,Neto2,protein_coding	0.01181814	0.94119857
ENSMUSG00000035949.16,Fbxw2,protein_coding	0.01175877	0.8613376
ENSMUSG00000106758.2,Gm42731,TEC	0.0117413	0.966183
ENSMUSG00000043313.7,Pcdhb19,protein_coding	0.01173524	0.93423042
ENSMUSG00000016257.16,Prelid3b,protein_coding	0.01170772	0.9100821
ENSMUSG00000025737.6,Wdr24,protein_coding	0.01166655	0.9067829
ENSMUSG00000079657.11,Rab26,protein_coding	0.01160081	0.95676039
ENSMUSG00000005917.16,Otx1,protein_coding	0.011581	0.96149706
ENSMUSG00000020755.10,Sap30bp,protein_coding	0.01157811	0.89320793
ENSMUSG00000103867.2,9630010A21Rik,TEC	0.01156718	0.94000263
ENSMUSG00000029428.14,Stx2,protein_coding	0.01156496	0.93145316
ENSMUSG00000054675.6,Tmem119,protein_coding	0.01153992	0.95562238
ENSMUSG00000109390.2,Gm45718,TEC	0.01149674	0.94029034
ENSMUSG00000138169.1,ENSMUSG00000138169,lncRNA	0.01146208	0.97321489
ENSMUSG00000072720.10,Myo18b,protein_coding	0.01143589	0.96177637
ENSMUSG00000036707.17,Cab39,protein_coding	0.01143158	0.88558145
ENSMUSG00000075279.6,Mrpl23-ps1,processed_pseudogene	0.01141131	0.94815581
ENSMUSG00000028557.11,Rnf11,protein_coding	0.01140776	0.92607027
ENSMUSG00000071661.8,Zbtb3,protein_coding	0.01139183	0.95821577
ENSMUSG00000028860.14,Sytl1,protein_coding	0.01138508	0.97768504
ENSMUSG00000033335.19,Dnm2,protein_coding	0.01138443	0.90737658
ENSMUSG00000029575.18,Mmab,protein_coding	0.01133835	0.92398131
ENSMUSG00000028096.14,Gpr89,protein_coding	0.01133354	0.89268223
ENSMUSG00000019877.11,Serinc1,protein_coding	0.01125063	0.93062658
ENSMUSG00000031860.18,Pbx4,protein_coding	0.01121649	0.95103762
ENSMUSG00000029034.10,Ints11,protein_coding	0.01120114	0.94002474
ENSMUSG00000115674.2,Gm49297,TEC	0.01112734	0.95393361
ENSMUSG00000042043.7,Tbca,protein_coding	0.01109428	0.93656446
ENSMUSG00000001017.17,Chtop,protein_coding	0.01102645	0.88730059
ENSMUSG00000027346.16,Gpcpd1,protein_coding	0.01087353	0.92251748
ENSMUSG00000139101.1,ENSMUSG00000139101,lncRNA	0.01084938	0.96686063
ENSMUSG00000074826.11,Ramacl,protein_coding	0.01084592	0.97038928
ENSMUSG00000053565.11,Eif3k,protein_coding	0.01083106	0.94501064
ENSMUSG00000051379.13,Flrt3,protein_coding	0.01083077	0.93001408
ENSMUSG00000117332.2,Gm49942,TEC	0.01079025	0.9597792
ENSMUSG00000042211.8,Fbxo38,protein_coding	0.01076237	0.8681243
ENSMUSG00000027985.15,Lef1,protein_coding	0.010738	0.96598951
ENSMUSG00000109089.4,4833411C07Rik,lncRNA	0.0106813	0.97246908
ENSMUSG00000021495.11,Fam193b,protein_coding	0.01067303	0.93623896
ENSMUSG00000022359.11,Ntaq1,protein_coding	0.01060915	0.92325869
ENSMUSG00000002345.19,Borcs8,protein_coding	0.01055451	0.9350101
ENSMUSG00000109555.2,Gm44891,TEC	0.01054374	0.95732903

ENSMUSG00000022434.9,Fam118a,protein_coding	0.0104757	0.91202092
ENSMUSG00000027706.9,Sec62,protein_coding	0.010413	0.92521225
ENSMUSG00000105382.2,Gm43339,TEC	0.01039939	0.93853692
ENSMUSG00000039285.13,Azi2,protein_coding	0.01037743	0.8996805
ENSMUSG00000095115.3,Itpripl2,protein_coding	0.01036426	0.95320751
ENSMUSG00000052062.15,Pard3b,protein_coding	0.01034745	0.92593237
ENSMUSG00000039367.12,Sec24c,protein_coding	0.01028822	0.88380743
ENSMUSG00000022200.9,Golph3,protein_coding	0.01028314	0.90965941
ENSMUSG00000108256.2,Gm43923,TEC	0.0102475	0.96632924
ENSMUSG00000126811.1,ENSMUSG00000126811,lncRNA	0.01023133	0.95389489
ENSMUSG00000022351.15,Sqle,protein_coding	0.0102052	0.93660879
ENSMUSG00000073154.13,9330158H04Rik,lncRNA	0.0101983	0.97823371
ENSMUSG00000005506.17,Celf1,protein_coding	0.01019339	0.90101741
ENSMUSG00000052430.16,Bmpr1b,protein_coding	0.01002625	0.93104261
ENSMUSG00000056215.15,Lrguk,protein_coding	0.01001919	0.93608837
ENSMUSG00000127033.1,ENSMUSG00000127033,lncRNA	0.00992673	0.97474754
ENSMUSG00000068566.14,Myadm,protein_coding	0.00991653	0.91975482
ENSMUSG00000053985.11,Zfp14,protein_coding	0.00985413	0.9541008
ENSMUSG00000013973.13,Dedd,protein_coding	0.00976918	0.88701049
ENSMUSG00000021385.11,Ippk,protein_coding	0.00976555	0.9217174
ENSMUSG00000071533.12,Pcnp,protein_coding	0.00974568	0.91717284
ENSMUSG00000055371.18,Stam2,protein_coding	0.00973334	0.91626694
ENSMUSG00000022184.9,Fbxo4,protein_coding	0.00960905	0.95994866
ENSMUSG00000038816.15,Ctnnal1,protein_coding	0.00960667	0.91753199
ENSMUSG00000006850.9,Tmco6,protein_coding	0.00958593	0.95902355
ENSMUSG00000048833.10,Slc39a9,protein_coding	0.00958562	0.88876743
ENSMUSG00002076149.1,Gm55801,misc_RNA	0.00956748	0.97349725
ENSMUSG00000105584.2,Gm42588,TEC	0.00953739	0.96341136
ENSMUSG00000018412.17,Kansl1,protein_coding	0.00950614	0.86821757
ENSMUSG00000061758.14,Akr1b10,protein_coding	0.00948353	0.9467431
ENSMUSG00000030861.16,Acadsb,protein_coding	0.00945262	0.88519111
ENSMUSG00000049686.16,Orai1,protein_coding	0.00940449	0.95674163
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ENSMUSG00000112142.2,Gm47022,TEC	0.00925735	0.96766036
ENSMUSG00000034880.8,Mrpl34,protein_coding	0.00921336	0.95915601
ENSMUSG00000078671.12,Chd2,protein_coding	0.00916777	0.89376421
ENSMUSG00000056167.9,Cnot10,protein_coding	0.00916698	0.90562069
ENSMUSG00000054942.14,Miga1,protein_coding	0.00911817	0.90043462
ENSMUSG00000042082.8,Arsb,protein_coding	0.0090015	0.9423747
ENSMUSG00000113396.3,Gm33467,lncRNA	0.00899942	0.97703765
ENSMUSG00000086145.2,Gm15479,lncRNA	0.00897776	0.97423378
ENSMUSG00000022898.14,Vps26c,protein_coding	0.00896728	0.93488174
ENSMUSG00000018449.13,Rpain,protein_coding	0.00896477	0.94104665
ENSMUSG00000059246.5,Foxb1,protein_coding	0.00894909	0.99012689
ENSMUSG00000022722.19,Arl6,protein_coding	0.00893699	0.94691423
ENSMUSG00000018501.18,Ncor1,protein_coding	0.00891955	0.89572791
ENSMUSG00000019790.18,Stxbp5,protein_coding	0.00876549	0.91938005
ENSMUSG00000046785.9,Epm2aip1,protein_coding	0.00876245	0.93332013
ENSMUSG00000062944.5,Zfp696,protein_coding	0.00869759	0.95842082
ENSMUSG00000044447.6,Dock5,protein_coding	0.008596	0.94868156
ENSMUSG00000036151.16,Tm6sf2,protein_coding	0.00852838	0.98885114

ENSMUSG00000021608.16,Lpcat1,protein_coding	0.00852835	0.91760784
ENSMUSG00000034903.19,Cobll1,protein_coding	0.00849752	0.9335312
ENSMUSG00000114310.2,Gm48602,TEC	0.00849073	0.96074217
ENSMUSG00000026004.16,Kansl1l,protein_coding	0.008488	0.95020022
ENSMUSG00000078681.11,Tm2d3,protein_coding	0.00848723	0.96295027
ENSMUSG00000040167.17,Ikzf5,protein_coding	0.00839503	0.92616859
ENSMUSG00000066233.7,Tmem42,protein_coding	0.00838447	0.95875398
ENSMUSG00000047044.8,D030056L22Rik,protein_coding	0.00837259	0.94619511
ENSMUSG00000000581.9,C1d,protein_coding	0.00835819	0.94544354
ENSMUSG00000024505.17,Dtwd2,protein_coding	0.00833629	0.95925612
ENSMUSG00000020515.14,Cnot8,protein_coding	0.00826836	0.93624807
ENSMUSG00000116226.2,Gm49502,TEC	0.00820606	0.96362032
ENSMUSG00000026209.16,Dnpep,protein_coding	0.00820344	0.95098564
ENSMUSG00000021759.15,Plpp1,protein_coding	0.00817431	0.95829504
ENSMUSG00000026577.14,Blzf1,protein_coding	0.00814917	0.92487404
ENSMUSG00000031143.5,Ccdc22,protein_coding	0.00814287	0.95665247
ENSMUSG00000024570.8,Rbfa,protein_coding	0.00812865	0.95693618
ENSMUSG00000022992.18,Kansl2,protein_coding	0.0081135	0.90847746
ENSMUSG00000031007.3,Atp6ap2,protein_coding	0.00807189	0.95926872
ENSMUSG00000052415.6,Tchh,protein_coding	0.00803465	0.9722674
ENSMUSG00000068854.8,H2bc21,protein_coding	0.00796231	0.95323643
ENSMUSG00000142529.1,ENSMUSG00000142529,lncRNA	0.00792825	0.97536358
ENSMUSG00000027375.15,Mal,protein_coding	0.00790346	0.94405824
ENSMUSG00000025321.15,Itgb8,protein_coding	0.00786728	0.94917174
ENSMUSG00000120010.2,Gm57327,lncRNA	0.0078509	0.9660005
ENSMUSG00000066842.19,Hmcn1,protein_coding	0.00784776	0.9704073
ENSMUSG00000102147.2,Gm38055,TEC	0.00777528	0.97556714
ENSMUSG00000022280.10,Rnf19a,protein_coding	0.00776768	0.92046837
ENSMUSG00000102060.3,1700061E17Rik,lncRNA	0.0077639	0.97729999
ENSMUSG00000079487.12,Med12,protein_coding	0.0077133	0.94499322
ENSMUSG00000020250.12,Txnrd1,protein_coding	0.0076773	0.92479739
ENSMUSG00000028394.10,Pole3,protein_coding	0.0076761	0.94756265
ENSMUSG00000022335.18,Zfat,protein_coding	0.00764907	0.94439436
ENSMUSG00000087968.3,Gm25395,scaRNA	0.00759533	0.94601974
ENSMUSG00000037601.12,Nme1,protein_coding	0.00756212	0.95052635
ENSMUSG00000038843.19,Gcnt1,protein_coding	0.00754437	0.97851421
ENSMUSG00000027508.16,Pag1,protein_coding	0.00745336	0.93368115
ENSMUSG00000050323.15,Ndufaf6,protein_coding	0.00744836	0.97025145
ENSMUSG00000036893.19,Ehmt1,protein_coding	0.00744584	0.92039062
ENSMUSG00000042353.10,Frem3,protein_coding	0.00744385	0.98071902
ENSMUSG00000070498.4,Tmem132b,protein_coding	0.00743403	0.96162499
ENSMUSG00000073437.13,D330041H03Rik,lncRNA	0.00740437	0.95100045
ENSMUSG00000109243.2,Gm45867,TEC	0.00739572	0.97372414
ENSMUSG00000028251.6,Tstd3,protein_coding	0.00736792	0.94603238
ENSMUSG00000022387.18,Brd1,protein_coding	0.00734157	0.91812301
ENSMUSG00000078627.10,Marchf10,protein_coding	0.00731009	0.98129621
ENSMUSG00000074785.6,Plxnc1,protein_coding	0.00729962	0.94757044
ENSMUSG00000024997.8,Prdx3,protein_coding	0.00728537	0.94963856
ENSMUSG00000120849.2,Gm56768,lncRNA	0.00722953	0.96845062
ENSMUSG00000036275.14,9530068E07Rik,protein_coding	0.00719837	0.92664723
ENSMUSG00000002825.9,Qtrt1,protein_coding	0.00718413	0.96900263
ENSMUSG00000031503.14,Col4a2,protein_coding	0.00716869	0.96365592

ENSMUSG00000109529.2,Gm44801,TEC	0.00706051	0.96048824
ENSMUSG00000044787.8,Spata32,protein_coding	0.00705636	0.98684761
ENSMUSG00000096981.4,Gm16845,lncRNA	0.00700606	0.98175306
ENSMUSG00000031365.14,Zfp275,protein_coding	0.00698617	0.93366627
ENSMUSG00000020359.14,Phykpl,protein_coding	0.00696485	0.96112905
ENSMUSG00000059708.13,Akap17b,protein_coding	0.00691278	0.94760816
ENSMUSG00000031889.10,Phaf1,protein_coding	0.00680923	0.93320759
ENSMUSG00000029049.15,Morn1,protein_coding	0.00677901	0.9462231
ENSMUSG00000051054.5,Spata31d1e,protein_coding	0.00677466	0.98456051
ENSMUSG00000014767.18,Tbp,protein_coding	0.00677288	0.95312884
ENSMUSG00000103252.2,Gm37521,TEC	0.00675716	0.9684246
ENSMUSG00000042105.19,Inpp5f,protein_coding	0.00669881	0.93415339
ENSMUSG00000034947.14,Tmem106a,protein_coding	0.00668598	0.9880389
ENSMUSG00000049659.16,Aftph,protein_coding	0.00664272	0.91996255
ENSMUSG00000021268.20,Meg3,lncRNA	0.0066347	0.96585352
ENSMUSG00000057778.15,Cyb5d2,protein_coding	0.00662062	0.95226429
ENSMUSG00000021610.9,Clptm1l,protein_coding	0.00654962	0.94329036
ENSMUSG00000086392.11,Mccc1os,lncRNA	0.00649277	0.97893469
ENSMUSG00000073147.6,5031425E22Rik,lncRNA	0.00648002	0.95834699
ENSMUSG00000035632.17,Cnot3,protein_coding	0.00646663	0.93925527
ENSMUSG00000020917.18,Acly,protein_coding	0.00643068	0.95650137
ENSMUSG00000019505.8,Ubb,protein_coding	0.00642205	0.96947481
ENSMUSG00000050511.2,Oprd1,protein_coding	0.00641482	0.97498825
ENSMUSG00000108474.2,Gm44895,TEC	0.00640791	0.97445044
ENSMUSG00000016200.15,Syt14,protein_coding	0.00631576	0.96381773
ENSMUSG00000038611.18,Phrf1,protein_coding	0.00629279	0.93782977
ENSMUSG00000026254.18,Eif4e2,protein_coding	0.00628669	0.92363256
ENSMUSG00000052102.16,Gnpda1,protein_coding	0.0061774	0.95208553
ENSMUSG00000001156.10,Mxd1,protein_coding	0.00617044	0.93710762
ENSMUSG00000107234.2,Gm43371,TEC	0.00615836	0.98279282
ENSMUSG00000087396.10,4933407K13Rik,lncRNA	0.00614134	0.97034026
ENSMUSG00000096929.10,A330023F24Rik,lncRNA	0.00613031	0.96681817
ENSMUSG00000004031.14,Brinp2,protein_coding	0.00612891	0.96885723
ENSMUSG00000045180.14,Shroom2,protein_coding	0.00609359	0.96279005
ENSMUSG00000083420.2,Gm15665,processed_pseudogene	0.00609272	0.98764913
ENSMUSG00000045519.16,Zfp560,protein_coding	0.00608173	0.96385013
ENSMUSG00000097604.2,Gm17322,lncRNA	0.00607432	0.97041587
ENSMUSG00000058979.8,Hdhd5,protein_coding	0.0060491	0.95932224
ENSMUSG00000042213.19,Zfand4,protein_coding	0.00602477	0.96851011
ENSMUSG00000051726.7,Kcnf1,protein_coding	0.00601714	0.98089235
ENSMUSG00000034574.11,Daam1,protein_coding	0.00599912	0.91529518
ENSMUSG00000063108.16,Zfp26,protein_coding	0.00598802	0.95676262
ENSMUSG00000020137.6,Thap2,protein_coding	0.00593305	0.96327118
ENSMUSG00000070284.11,Gmppb,protein_coding	0.00593226	0.9739414
ENSMUSG00000037652.16,Phc3,protein_coding	0.0059111	0.93102645
ENSMUSG00000038369.15,Ncoa6,protein_coding	0.00588264	0.93648524
ENSMUSG00000035878.14,Hykk,protein_coding	0.00585952	0.96599261
ENSMUSG00000045934.16,Mtmr11,protein_coding	0.00585197	0.96593346
ENSMUSG00000024383.10,Map3k2,protein_coding	0.00585026	0.95454002
ENSMUSG00000061028.8,Clasrp,protein_coding	0.00574383	0.96780208
ENSMUSG00000023886.11,Smoc2,protein_coding	0.00568936	0.98248536
ENSMUSG00000034910.6,Pygo1,protein_coding	0.0055779	0.95364244

ENSMUSG00000139213.1,ENSMUSG00000139213,lncRNA	0.00554652	0.98752907
ENSMUSG00000105947.2,Gm43789,TEC	0.00553767	0.98104388
ENSMUSG00000061374.15,Fiz1,protein_coding	0.00550935	0.95508803
ENSMUSG00000040007.9,Bahd1,protein_coding	0.00550118	0.96188884
ENSMUSG00000072809.4,9330160F10Rik,lncRNA	0.00544626	0.97850168
ENSMUSG00000010051.16,Hyal1,protein_coding	0.00538874	0.98026988
ENSMUSG00000004846.11,Plod3,protein_coding	0.00538801	0.96740826
ENSMUSG00000120873.2,3300002P09Rik,lncRNA	0.00530152	0.98936831
ENSMUSG00000033207.8,Mamdc2,protein_coding	0.00525209	0.983812
ENSMUSG00000042828.13,Trim72,protein_coding	0.00519419	0.98845449
ENSMUSG00000034292.14,Traf3ip1,protein_coding	0.00507282	0.95373507
ENSMUSG00000005682.10,Pan2,protein_coding	0.00505266	0.96003254
ENSMUSG00000015214.15,Mtmr1,protein_coding	0.00504669	0.95172604
ENSMUSG00000033669.9,Zfp7,protein_coding	0.00503243	0.9692137
ENSMUSG00000070699.6,Sars2,protein_coding	0.00500569	0.97309537
ENSMUSG00000085206.2,Gm13380,lncRNA	0.0049852	0.98600458
ENSMUSG00000032278.12,Paqr5,protein_coding	0.0049684	0.98619142
ENSMUSG00000052368.4,Gm9873,lncRNA	0.00494925	0.98113962
ENSMUSG00000063689.5,H2ac21,protein_coding	0.00493165	0.98826239
ENSMUSG00000092260.8,Zfp963,protein_coding	0.00488219	0.97261304
ENSMUSG00000111211.2,Gm48233,TEC	0.00485339	0.99138554
ENSMUSG00000021993.11,Mipep,protein_coding	0.00484567	0.96530784
ENSMUSG00000113656.2,Gm47370,TEC	0.00483717	0.97880894
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ENSMUSG00000027805.17,Pfn2,protein_coding	0.00475391	0.97274035
ENSMUSG00000102632.2,Gm37786,TEC	0.00474741	0.97978731
ENSMUSG00000046519.17,Golph3l,protein_coding	0.00473443	0.96931461
ENSMUSG00000059040.6,Eno1b,protein_coding	0.00471383	0.96382473
ENSMUSG00000054715.12,Zscan22,protein_coding	0.00471174	0.96586573
ENSMUSG00000069763.4,Tmem100,protein_coding	0.00466333	0.98110587
ENSMUSG00000052516.22,Robo2,protein_coding	0.00462599	0.97700552
ENSMUSG00000026849.19,Tor1a,protein_coding	0.00456913	0.97387951
ENSMUSG00000032323.14,Cyp11a1,protein_coding	0.00453409	0.98350797
ENSMUSG00000028545.14,Bend5,protein_coding	0.00446744	0.98467785
ENSMUSG00000021144.15,Mta1,protein_coding	0.00445733	0.95866375
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ENSMUSG00000041355.14,Ssr2,protein_coding	0.00445165	0.96882123
ENSMUSG00000085771.2,C230066G23Rik,lncRNA	0.00442119	0.98959206
ENSMUSG00000048921.12,Zfp689,protein_coding	0.00440219	0.9776231
ENSMUSG00000092448.3,Gm20387,lncRNA	0.00439545	0.98545803
ENSMUSG00000137706.1,ENSMUSG00000137706,lncRNA	0.00435674	0.98598958
ENSMUSG00000024271.9,Elp2,protein_coding	0.00432196	0.94155579
ENSMUSG00000021785.9,Ngly1,protein_coding	0.00424842	0.96698972
ENSMUSG00000031802.10,Phxr4,TEC	0.00423014	0.982877
ENSMUSG00000014956.16,Ppp1cb,protein_coding	0.00421015	0.9746961
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ENSMUSG00000027427.14,Polr3f,protein_coding	0.00420364	0.96645442
ENSMUSG00000064202.17,Spata6l,protein_coding	0.00418972	0.98712585
ENSMUSG00000078676.10,Casc3,protein_coding	0.00418037	0.95186436
ENSMUSG00000129437.1,Gm9925,lncRNA	0.00417933	0.97674609
ENSMUSG00000002320.16,Tm9sf1,protein_coding	0.00417793	0.97097519
ENSMUSG00000018906.15,P4ha2,protein_coding	0.0041361	0.97246395

ENSMUSG00000057969.16,Sema3b,protein_coding	0.00406068	0.99268847
ENSMUSG00000022961.19,Son,protein_coding	0.00405392	0.96041844
ENSMUSG00000074182.9,Znhit6,protein_coding	0.00403529	0.97000752
ENSMUSG00000027466.16,Rbck1,protein_coding	0.00403317	0.96903175
ENSMUSG00000024603.9,Dctn4,protein_coding	0.00403006	0.94540286
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ENSMUSG00000021238.12,Aldh6a1,protein_coding	0.00400507	0.97792973
ENSMUSG00000070883.4,Cfap210,protein_coding	0.00398216	0.98274727
ENSMUSG00000020664.11,Dld,protein_coding	0.00395812	0.97525601
ENSMUSG00000022607.19,Ptk2,protein_coding	0.00394474	0.96956752
ENSMUSG00000026279.15,Thap4,protein_coding	0.00387756	0.96831261
ENSMUSG00000031853.6,Map3k21,protein_coding	0.00383705	0.99031863
ENSMUSG00000028035.14,Dnajb4,protein_coding	0.00377117	0.96802603
ENSMUSG00000035437.16,Rabgap1,protein_coding	0.00376929	0.9488692
ENSMUSG00000093178.3,Snord87,snoRNA	0.00375989	0.99359236
ENSMUSG00000026718.18,Stam,protein_coding	0.00371555	0.95975039
ENSMUSG00000027162.8,Lin7c,protein_coding	0.00362393	0.97513664
ENSMUSG00000021494.10,Ddx41,protein_coding	0.00358977	0.97979763
ENSMUSG00000033739.9,Fkbpl,protein_coding	0.00358743	0.98635486
ENSMUSG00000057265.14,Bbof1,protein_coding	0.00358187	0.98522625
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ENSMUSG00000022748.9,Cmss1,protein_coding	0.0035619	0.98666293
ENSMUSG00000021782.15,Dlg5,protein_coding	0.0035166	0.97330115
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ENSMUSG00000120273.2,1700018P22Rik,lncRNA	0.00348446	0.98899873
ENSMUSG00000051495.9,Irf2bp2,protein_coding	0.00342456	0.97013428
ENSMUSG00000044533.16,Rps2,protein_coding	0.00328725	0.985921
ENSMUSG00000106612.2,Gm43750,TEC	0.00328031	0.98752661
ENSMUSG00000006010.15,Odr4,protein_coding	0.00327606	0.97006861
ENSMUSG00000097290.11,1300002E11Rik,lncRNA	0.00324977	0.98262815
ENSMUSG00000103307.2,Gm19335,TEC	0.00323956	0.99280045
ENSMUSG00000102465.2,Gm38198,TEC	0.00321988	0.98387332
ENSMUSG00000033004.17,Mycbp2,protein_coding	0.00316038	0.95164304
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ENSMUSG00000035594.11,Chrna5,protein_coding	0.00314892	0.99262842
ENSMUSG00000030541.17,Idh2,protein_coding	0.00305718	0.98010974
ENSMUSG00000025962.16,Fastkd2,protein_coding	0.00302367	0.97697203
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ENSMUSG00000046550.9,Spin2c,protein_coding	0.00294114	0.98996339
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ENSMUSG00000022811.18,Zfp148,protein_coding	0.00291227	0.97600507
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ENSMUSG00000031605.9,Klhl2,protein_coding	0.00284863	0.98335553
ENSMUSG00000092083.5,Kcnb2,protein_coding	0.0028268	0.98496595
ENSMUSG00000119238.1,Gm26230,snoRNA	0.00279318	0.99484887
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ENSMUSG00000079083.4,Jrkl,protein_coding	0.002764	0.98442959
ENSMUSG00000038695.14,Josd2,protein_coding	0.00273292	0.98403285
ENSMUSG00000028128.14,F3,protein_coding	0.00256088	0.98530654
ENSMUSG00000135421.1,ENSMUSG00000135421,lncRNA	0.00253881	0.99323847
ENSMUSG00000039830.10,Olig2,protein_coding	0.00248887	0.98521277

ENSMUSG00000026062.13,Slc9a2,protein_coding	0.00241701	0.99222878
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ENSMUSG00000006476.20,Nsmf,protein_coding	0.00233585	0.98798104
ENSMUSG00000036357.6,Gpr101,protein_coding	0.00232547	0.99520063
ENSMUSG00000028247.3,Coq3,protein_coding	0.00231979	0.98339462
ENSMUSG00000048424.19,Ranbp3l,protein_coding	0.00229376	0.99204408
ENSMUSG00000108780.2,5430434F05Rik,TEC	0.00215415	0.98848697
ENSMUSG00000028431.12,Elp1,protein_coding	0.00209107	0.97992657
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ENSMUSG00000049038.4,Mterf2,protein_coding	0.00201207	0.98416689
ENSMUSG00000097903.4,Gm26679,lncRNA	0.00197128	0.99483894
ENSMUSG00000050855.17,Zfp940,protein_coding	0.00195126	0.98678517
ENSMUSG00000102664.2,Gm38380,TEC	0.00191382	0.99079837
ENSMUSG00000055024.13,Ep300,protein_coding	0.00187763	0.97481136
ENSMUSG00000047749.3,Zc3hav1l,protein_coding	0.00182977	0.98530593
ENSMUSG00000056687.12,Gm11696,lncRNA	0.00175238	0.99204703
ENSMUSG00000118369.3,Gm30541,lncRNA	0.00174745	0.99237138
ENSMUSG00000028221.4,Pip4p2,protein_coding	0.00163469	0.99214469
ENSMUSG00000038872.11,Zfhx3,protein_coding	0.00161676	0.99523364
ENSMUSG00000028017.8,Egf,protein_coding	0.00160828	0.99559971
ENSMUSG00000014547.11,Wdfy2,protein_coding	0.00156918	0.98264388
ENSMUSG00000032913.14,Lrig2,protein_coding	0.00149392	0.98410991
ENSMUSG00000108049.2,Gm44168,TEC	0.00147134	0.99265125
ENSMUSG00000103038.2,Gm37124,TEC	0.00138375	0.99522886
ENSMUSG00000036120.11,Rfxank,protein_coding	0.00135299	0.99289845
ENSMUSG00000016541.11,Atxn10,protein_coding	0.00131965	0.98998326
ENSMUSG00000034768.5,Asb16,protein_coding	0.00129889	0.9963737
ENSMUSG00000027359.17,Slc27a2,protein_coding	0.00128141	0.99506437
ENSMUSG00000005871.16,Apc,protein_coding	0.00127828	0.99029956
ENSMUSG00000074340.10,Ovgp1,protein_coding	0.0012659	0.99425774
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ENSMUSG00000037001.11,Zfp39,protein_coding	0.00119344	0.99293903
ENSMUSG00000004360.10,9330159F19Rik,protein_coding	0.00116071	0.99107196
ENSMUSG00000020015.11,Cdk17,protein_coding	0.00109123	0.99257397
ENSMUSG00000029125.15,Stx18,protein_coding	0.00101124	0.99055367
ENSMUSG00000053552.15,Ebf4,protein_coding	0.00093479	0.99672067
ENSMUSG00000071662.5,Polr2g,protein_coding	0.00086598	0.99509462
ENSMUSG00000018752.20,Tnfsfm13,protein_coding	0.00085775	0.99792969
ENSMUSG00000038648.6,Creb3l2,protein_coding	0.00082496	0.99366109
ENSMUSG00000057637.14,Prdm2,protein_coding	0.00080746	0.99042592
ENSMUSG00000130714.1,ENSMUSG00000130714,lncRNA	0.00077082	0.99714452
ENSMUSG00000070565.12,Rasal2,protein_coding	0.0007695	0.99428242
ENSMUSG00000037210.17,Fam193a,protein_coding	0.00069236	0.99094545
ENSMUSG00000128312.1,ENSMUSG00000128312,lncRNA	0.00069033	0.99798469
ENSMUSG00000039357.3,Fut11,protein_coding	0.00068298	0.99545294
ENSMUSG00000126665.1,ENSMUSG00000126665,lncRNA	0.00068047	0.99831721
ENSMUSG00000056999.17,Ide,protein_coding	0.00062899	0.99241453
ENSMUSG00000047045.18,Tmem164,protein_coding	0.000604	0.99412728
ENSMUSG00000078490.11,Cfap74,protein_coding	0.00057386	0.9962343
ENSMUSG00000000563.18,Atp5pb,protein_coding	0.00056852	0.99587169
ENSMUSG00000039585.16,Myo9a,protein_coding	0.00049233	0.9951392

ENSMUSG00000055733.7,Nap1l3,protein_coding	0.00047447	0.9969516
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ENSMUSG00000030319.9,Cand2,protein_coding	0.00037537	0.99843934
ENSMUSG00000060600.16,Eno3,protein_coding	0.00035645	0.99859574
ENSMUSG00000026519.17,Tmem63a,protein_coding	0.00035526	0.9979925
ENSMUSG00000060002.15,Chpt1,protein_coding	0.00035356	0.99838439
ENSMUSG00000019775.18,Rgs17,protein_coding	0.00029562	0.99843191
ENSMUSG00000086728.5,Man2c1os,lncRNA	0.00029442	0.99896308
ENSMUSG00000036437.7,Npy1r,protein_coding	0.00027848	0.99881931
ENSMUSG00000035666.15,Gtf3c4,protein_coding	0.00023908	0.99688103
ENSMUSG00000042185.15,Nfrkb,protein_coding	0.00023068	0.99748492
ENSMUSG00000037492.17,Zmat4,protein_coding	0.00020973	0.99872473
ENSMUSG00000106110.2,Gm43571,TEC	0.00020786	0.99873108
ENSMUSG00000048617.17,Rtbdn,protein_coding	0.00018255	0.9995414
ENSMUSG00000026520.9,Pycr2,protein_coding	0.00011742	0.99925588
ENSMUSG00000006276.12,Eps15l1,protein_coding	0.00011548	0.99872026
ENSMUSG00000031921.18,Terf2,protein_coding	8.9116E-05	0.99894301
ENSMUSG00000004451.15,Ralb,protein_coding	6.6124E-05	0.99945791
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ENSMUSG00000105613.2,Gm43684,TEC	7.6818E-06	0.99998349
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ENSMUSG00000049252.18,Lrp1b,protein_coding	-6.2048E-06	0.99995507
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ENSMUSG00000029550.12,Sppl3,protein_coding	-7.218E-05	0.99917194
ENSMUSG00000103098.2,Gm37559,processed_pseudogene	-9.5681E-05	0.99970005
ENSMUSG00000063253.12,Scoc,protein_coding	-0.00010812	0.99938186
ENSMUSG00000040043.18,Rbms2,protein_coding	-0.00015691	0.9992355
ENSMUSG00000115012.3,9630009A06Rik,lncRNA	-0.00022949	0.99957414
ENSMUSG00000016382.16,Pls3,protein_coding	-0.00024615	0.99818257
ENSMUSG00000044912.12,Syt16,protein_coding	-0.00024804	0.9989573
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ENSMUSG00000033007.16,Asic4,protein_coding	-0.00029433	0.9991887
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ENSMUSG00000031935.10,Med17,protein_coding	-0.00184224	0.98427991
ENSMUSG00000061167.10,Rpl15-ps3,processed_pseudogene	-0.00189245	0.99870752
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ENSMUSG00000030268.18,Bcat1,protein_coding	-0.00214289	0.98908044
ENSMUSG00000032872.17,Cyb5r4,protein_coding	-0.00215173	0.98421791
ENSMUSG00000039220.17,Ppp1r10,protein_coding	-0.00223632	0.97877343

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ENSMUSG00000109379.2,Gm44550,TEC	-0.00806285	0.95424396
ENSMUSG00000097007.5,4930432B10Rik,lncRNA	-0.0082051	0.97479667
ENSMUSG00000038503.16,Mesd,protein_coding	-0.00825667	0.93371379
ENSMUSG00000103622.2,B430319G15Rik,TEC	-0.00828154	0.9733227
ENSMUSG00000013662.7,Atad1,protein_coding	-0.00828192	0.92667704
ENSMUSG00000026103.15,Gls,protein_coding	-0.00834869	0.9403321
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ENSMUSG00000111521.3,Gm48529,lncRNA	-0.00853852	0.9691068
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ENSMUSG00000030889.15,Vwa3a,protein_coding	-0.00904249	0.97495644
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ENSMUSG00000030869.12,Ndufab1,protein_coding	-0.01594926	0.84416188
ENSMUSG00000050600.6,Zfp831,protein_coding	-0.01604014	0.93648202
ENSMUSG00000033707.10,Lrrc24,protein_coding	-0.01604315	0.93424314
ENSMUSG00000108886.2,Gm44830,TEC	-0.01607409	0.95698248
ENSMUSG00000144217.1,ENSMUSG00000144217,lncRNA	-0.01608811	0.92464562
ENSMUSG00000020409.11,Slu7,protein_coding	-0.01610525	0.81245858
ENSMUSG00000034810.8,Scn7a,protein_coding	-0.0161204	0.94561424
ENSMUSG00000114024.4,Gm46336,lncRNA	-0.01616003	0.96603628
ENSMUSG00000035378.18,Shq1,protein_coding	-0.01626156	0.90762691
ENSMUSG00000127189.1,ENSMUSG00000127189,lncRNA	-0.01629704	0.9677768
ENSMUSG00000021193.11,Pitrm1,protein_coding	-0.01630736	0.83873201
ENSMUSG00000005897.15,Nr2c1,protein_coding	-0.01634251	0.8631025
ENSMUSG00000024238.16,Zeb1,protein_coding	-0.01637652	0.80312629
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ENSMUSG00000025155.16,Dus1l,protein_coding	-0.0166042	0.88510378
ENSMUSG00000049091.8,Sephs2,protein_coding	-0.01663844	0.86762389
ENSMUSG00000030166.15,Rad52,protein_coding	-0.01669596	0.86676643
ENSMUSG00000099881.4,2810013P06Rik,lncRNA	-0.01675276	0.86498121
ENSMUSG00000105290.2,Gm43528,TEC	-0.01677957	0.94248991
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ENSMUSG00000101481.3,1700123O21Rik,lncRNA	-0.01687057	0.94608901
ENSMUSG00000097494.10,4933406C10Rik,lncRNA	-0.016873	0.93554282
ENSMUSG00000061950.18,Ppp4r1,protein_coding	-0.01693836	0.83014057
ENSMUSG00000047676.7,Rpsa-ps10,processed_pseudogene	-0.0169533	0.97276842
ENSMUSG00000037149.11,Ddx1,protein_coding	-0.01695548	0.84735814
ENSMUSG00000037316.10,Bag4,protein_coding	-0.01701075	0.86755752
ENSMUSG00000041483.15,Zfp281,protein_coding	-0.01703611	0.88248834
ENSMUSG00000006289.15,Osgep,protein_coding	-0.01706227	0.84047916
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ENSMUSG00000092124.4,B930094E09Rik,lncRNA	-0.01870851	0.92567578
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ENSMUSG00000110080.4,Gm6145,lncRNA	-0.02463397	0.85806262
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ENSMUSG00000030621.18,Me3,protein_coding	-0.02470727	0.86411208
ENSMUSG00000097115.5,1810019N24Rik,lncRNA	-0.02473074	0.93685252
ENSMUSG00000121088.2,Gm57138,lncRNA	-0.02475024	0.91787731
ENSMUSG00000038866.16,Zcchc2,protein_coding	-0.02478482	0.69206834
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ENSMUSG00000078515.6,Ddi2,protein_coding	-0.02506287	0.64667714
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ENSMUSG00000103854.2,Gm37250,TEC	-0.02512597	0.91205027
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ENSMUSG00000095315.4,Zfp1001,protein_coding	-0.02530407	0.90456787
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ENSMUSG00000004270.14,Lpcat3,protein_coding	-0.02536377	0.87458763
ENSMUSG00000039081.11,Zfp503,protein_coding	-0.02541187	0.92040726
ENSMUSG00000027714.12,Exosc9,protein_coding	-0.02543836	0.80419103
ENSMUSG00000052833.10,Sae1,protein_coding	-0.02546406	0.81312289
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ENSMUSG00000064345.1,mt-Nd2,protein_coding	-0.02548556	0.92925792
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ENSMUSG00000045876.5,Pcdhb8,protein_coding	-0.02623816	0.86146229
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ENSMUSG00000038936.14,Sccpdh,protein_coding	-0.02687738	0.84009439
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ENSMUSG00000073805.6,Insyn2a,protein_coding	-0.0269644	0.87288932
ENSMUSG00000007480.7,Mc5r,protein_coding	-0.02697034	0.93709092
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ENSMUSG00000024370.18,Cdc23,protein_coding	-0.02701885	0.69775843
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ENSMUSG00000039536.17,Stau1,protein_coding	-0.03289243	0.60934307
ENSMUSG00000026384.14,Ptpn4,protein_coding	-0.03289775	0.81660377
ENSMUSG00000005054.8,Cstb,protein_coding	-0.03300207	0.87445278
ENSMUSG00000026614.8,Slc30a10,protein_coding	-0.03305778	0.80167801
ENSMUSG00000030042.16,Pole4,protein_coding	-0.03313888	0.76126886
ENSMUSG00000006800.15,Sulf2,protein_coding	-0.03323124	0.80498576
ENSMUSG00000021870.18,Slmap,protein_coding	-0.03327648	0.72240974
ENSMUSG00000040621.15,Gemin8,protein_coding	-0.03330003	0.84259167
ENSMUSG00000020458.17,Rtn4,protein_coding	-0.03333792	0.76584367
ENSMUSG00000041716.8,Gm20604,protein_coding	-0.03338093	0.80114459
ENSMUSG00000038637.16,Lrrc56,protein_coding	-0.03342328	0.82696379
ENSMUSG00000085936.10,2610307P16Rik,lncRNA	-0.03343191	0.87779086
ENSMUSG00000028811.13,Yars1,protein_coding	-0.03343517	0.73302028
ENSMUSG00000030237.15,Slco1a4,protein_coding	-0.03348311	0.79849682
ENSMUSG00000027599.10,Armc1,protein_coding	-0.03350511	0.76711932
ENSMUSG00000024424.16,Ttc39c,protein_coding	-0.03351269	0.67755276

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ENSMUSG00000032637.16,Atxn2l,protein_coding	-0.03361711	0.6729677
ENSMUSG00000041638.19,Gcn1,protein_coding	-0.03363144	0.69375685
ENSMUSG00000097451.13,Rian,lncRNA	-0.03369872	0.79172534
ENSMUSG00000063714.18,Sp3os,lncRNA	-0.03371908	0.81734737
ENSMUSG00000024621.17,Csf1r,protein_coding	-0.03377612	0.8514021
ENSMUSG00000004771.13,Rab11a,protein_coding	-0.03379669	0.76825251
ENSMUSG00000030844.12,Rgs10,protein_coding	-0.03386138	0.8125642
ENSMUSG00000109095.2,Gm44799,TEC	-0.03389994	0.8207825
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ENSMUSG00000111994.4,A330049N07Rik,lncRNA	-0.03395319	0.87216311
ENSMUSG00000004897.18,Hdgf,protein_coding	-0.03399816	0.65924567
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ENSMUSG00000026848.15,Tor1b,protein_coding	-0.03453565	0.70896589
ENSMUSG00000074794.11,Arrdc3,protein_coding	-0.03453945	0.71624466
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ENSMUSG00000029438.10,Bcl7a,protein_coding	-0.03541532	0.60180633
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ENSMUSG00000047036.9,Zfp445,protein_coding	-0.03563334	0.68207923
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ENSMUSG00000036188.5,Ankmy2,protein_coding	-0.04188414	0.61825285
ENSMUSG00000073856.12,Iqck,protein_coding	-0.04189444	0.79301313
ENSMUSG00000066026.15,Dhrs3,protein_coding	-0.0419141	0.79428759
ENSMUSG00000036053.19,Fmnl2,protein_coding	-0.04194331	0.60186022
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ENSMUSG00000051695.7,Pcbp1,protein_coding	-0.04227661	0.71858403
ENSMUSG00000043659.12,Npsr1,protein_coding	-0.04232618	0.89187
ENSMUSG00000030298.11,Sec13,protein_coding	-0.04242313	0.67004358
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ENSMUSG00000043541.17,Dnai7,protein_coding	-0.04248051	0.78151077
ENSMUSG00000006705.14,Pknox1,protein_coding	-0.04250185	0.7126355
ENSMUSG00000029913.15,Prdm5,protein_coding	-0.04253164	0.74812696
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ENSMUSG00000031774.9,Psme3ip1,protein_coding	-0.04259166	0.5543848
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ENSMUSG00000032952.12,Ap4b1,protein_coding	-0.04273141	0.66817903
ENSMUSG00000006373.11,Pgrmc1,protein_coding	-0.04273387	0.73680021
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ENSMUSG00000033671.19,Cep350,protein_coding	-0.04428688	0.50200581
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ENSMUSG00000032026.8,Rexo2,protein_coding	-0.04430549	0.64039806
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ENSMUSG00000025909.17,Sntg1,protein_coding	-0.05074926	0.72990768
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ENSMUSG00000022342.7,Kcnv1,protein_coding	-0.05077705	0.86834434
ENSMUSG00000017264.17,Exosc10,protein_coding	-0.05078051	0.63749549
ENSMUSG00000033933.14,Vhl,protein_coding	-0.05078915	0.56528522

ENSMUSG00000055850.13,Rnf181,protein_coding	-0.0508028	0.5008567
ENSMUSG00000049739.11,Zfp646,protein_coding	-0.05084507	0.61973199
ENSMUSG00000024830.18,Rps6kb2,protein_coding	-0.05095292	0.703216
ENSMUSG00000028412.18,Slc44a1,protein_coding	-0.05099918	0.58692935
ENSMUSG00000034247.10,Plekhm1,protein_coding	-0.05100111	0.6223716
ENSMUSG00000111107.2,Gm48737,TEC	-0.05103536	0.83666231
ENSMUSG00000070814.18,Zswim9,protein_coding	-0.05103871	0.58495269
ENSMUSG00000036528.17,Ppfibp2,protein_coding	-0.05108837	0.67525126
ENSMUSG00000087120.4,Gm12279,lncRNA	-0.05109017	0.72707196
ENSMUSG00000105079.2,Gm43715,TEC	-0.05109698	0.81508064
ENSMUSG00000051256.11,Jagn1,protein_coding	-0.0511424	0.63471029
ENSMUSG00000057378.16,Ryr3,protein_coding	-0.05117099	0.76441578
ENSMUSG00000086992.8,Gm15941,lncRNA	-0.05120692	0.81464614
ENSMUSG00000042050.9,Dync2i1,protein_coding	-0.05121148	0.65176959
ENSMUSG00000044452.11,Zfp507,protein_coding	-0.05124159	0.44875476
ENSMUSG00000075225.17,Ccdc162,protein_coding	-0.05125887	0.88190052
ENSMUSG00000038650.16,Rnh1,protein_coding	-0.05130056	0.71414866
ENSMUSG00000122712.1,ENSMUSG00000122712,lncRNA	-0.0513072	0.80525629
ENSMUSG00000108802.2,Gm44769,TEC	-0.05134583	0.76739059
ENSMUSG00000050830.18,Vwc2,protein_coding	-0.05136576	0.76424775
ENSMUSG00000033949.13,Trim36,protein_coding	-0.051459	0.73628483
ENSMUSG00000055884.9,Fancm,protein_coding	-0.05147371	0.56105772
ENSMUSG00000028580.16,Pum1,protein_coding	-0.05157246	0.39399166
ENSMUSG00000076431.5,Sox4,protein_coding	-0.05164027	0.68479008
ENSMUSG00000108181.2,C030015A19Rik,TEC	-0.05173597	0.69252217
ENSMUSG00000049241.7,Hcar1,protein_coding	-0.05176808	0.79838454
ENSMUSG00000034602.16,Mon2,protein_coding	-0.05181304	0.37528185
ENSMUSG00000023764.19,Sfi1,protein_coding	-0.05183709	0.8364056
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ENSMUSG00000029063.17,Nadk,protein_coding	-0.05202555	0.48085187
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ENSMUSG00000075000.12,Nrbf2,protein_coding	-0.05218888	0.58925137
ENSMUSG00000004791.8,Pgf,protein_coding	-0.05224071	0.84957877
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ENSMUSG00000062184.12,Hs6st2,protein_coding	-0.05230426	0.70365294
ENSMUSG00000068122.11,Agtr2,protein_coding	-0.05233561	0.84960793
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ENSMUSG00000074272.11,Ceacam1,protein_coding	-0.05248694	0.78980797
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ENSMUSG00000131992.1,ENSMUSG00000131992,lncRNA	-0.05260653	0.83866849
ENSMUSG00000104990.2,Gm43504,TEC	-0.052711	0.76607799
ENSMUSG00000026803.18,Ttf1,protein_coding	-0.05271433	0.57380827
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ENSMUSG00000028741.14,Mrto4,protein_coding	-0.05316469	0.71034757
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ENSMUSG00000013846.11,St3gal1,protein_coding	-0.05403015	0.78336704
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ENSMUSG00000036499.10,Eea1,protein_coding	-0.05412029	0.51695643
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ENSMUSG00000026492.12,Tfb2m,protein_coding	-0.05925311	0.65015404
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ENSMUSG00000037353.10,Letmd1,protein_coding	-0.05930236	0.5036891
ENSMUSG00000037214.13,Thap1,protein_coding	-0.05933919	0.69590833
ENSMUSG00000102148.2,Gm38059,TEC	-0.05935581	0.79962736
ENSMUSG00000109568.2,Gm45074,TEC	-0.05937076	0.81477027
ENSMUSG00000104027.2,Gm37211,TEC	-0.05940855	0.75493868
ENSMUSG00000109162.2,2900027M19Rik,TEC	-0.05944818	0.65302807
ENSMUSG00000032463.11,Faim,protein_coding	-0.05953641	0.49811516
ENSMUSG00000038039.14,Gcc2,protein_coding	-0.05961195	0.50785553
ENSMUSG00000022894.7,Adamts5,protein_coding	-0.05964381	0.78026722
ENSMUSG00000030423.8,Pop4,protein_coding	-0.05964991	0.76064988
ENSMUSG00000039713.18,Plekhg5,protein_coding	-0.05967629	0.75505538
ENSMUSG00000054426.14,A930005H10Rik,lncRNA	-0.05972768	0.59444287
ENSMUSG00000020752.12,Recql5,protein_coding	-0.0597305	0.56425264
ENSMUSG00000039844.21,Rapgef1,protein_coding	-0.05975411	0.5427157
ENSMUSG00000024026.14,Glo1,protein_coding	-0.05984873	0.75953379
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ENSMUSG00000071078.7,Nr2c2ap,protein_coding	-0.0598731	0.73212801
ENSMUSG00000105803.2,Gm43526,TEC	-0.0598752	0.77624857
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ENSMUSG00000025971.7,Maip1,protein_coding	-0.06001311	0.5635864
ENSMUSG00000061079.15,Zfp143,protein_coding	-0.06004071	0.68404791
ENSMUSG00000102321.2,Gm37792,TEC	-0.06007336	0.83754614

ENSMUSG00000060735.5,Rxfp3,protein_coding	-0.0600844	0.8248114
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ENSMUSG00000063410.9,Stk24,protein_coding	-0.06021749	0.45479698
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ENSMUSG00000040268.18,Plekha1,protein_coding	-0.06211192	0.46464735
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ENSMUSG00000096740.9,Lbhd1,protein_coding	-0.06888367	0.62005905
ENSMUSG00000101337.7,Dnah7c,protein_coding	-0.06892761	0.75278491
ENSMUSG00000005610.18,Eif4g2,protein_coding	-0.06896948	0.35217713
ENSMUSG00000031862.12,Atp13a1,protein_coding	-0.06902006	0.49058799
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ENSMUSG00000082908.5,Gm13736,transcribed_processed_pseudogene	-0.06902822	0.90223039
ENSMUSG00000077563.3,Snora68,snoRNA	-0.06903329	0.73388615
ENSMUSG00000085069.3,Prdm16os,lncRNA	-0.06905205	0.74724941
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ENSMUSG00000035024.18,Ncapd3,protein_coding	-0.06915658	0.42063372
ENSMUSG00000115662.2,Gm7232,processed_pseudogene	-0.06916791	0.83444381
ENSMUSG00000054555.12,Adam12,protein_coding	-0.06917458	0.67480064
ENSMUSG00000029810.16,Tmem176b,protein_coding	-0.06917666	0.65319422
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ENSMUSG00000032578.8,Cish,protein_coding	-0.06951852	0.80864422
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ENSMUSG00000105868.2,Gm43766,TEC	-0.06964161	0.84131393
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ENSMUSG00000032288.10,Imp3,protein_coding	-0.06978941	0.65746226
ENSMUSG00000032567.17,Aste1,protein_coding	-0.06985161	0.65154042
ENSMUSG00000040407.19,Akap9,protein_coding	-0.06985813	0.29135566
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ENSMUSG00000021027.19,Ralgapa1,protein_coding	-0.07221858	0.29877434
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ENSMUSG00000086212.10,Mkln1os,lncRNA	-0.0723027	0.64147306
ENSMUSG00000106691.2,2700029L08Rik,TEC	-0.07238998	0.72810653
ENSMUSG00000031561.17,Tenm3,protein_coding	-0.07253161	0.6695152
ENSMUSG00000088689.3,Scarna17,scaRNA	-0.07258693	0.70222177
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ENSMUSG00000042369.9,Rbm45,protein_coding	-0.07300915	0.41902715
ENSMUSG00000003762.14,Coq8b,protein_coding	-0.07317073	0.594163
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ENSMUSG00000033055.13,Ankrd54,protein_coding	-0.07885911	0.60720052
ENSMUSG00000022124.16,Fbxl3,protein_coding	-0.07892289	0.55418005
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ENSMUSG00000022194.16,Pabpn1,protein_coding	-0.07910382	0.32922717
ENSMUSG00000103442.6,Pcdha1,protein_coding	-0.0791102	0.80476246
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ENSMUSG00000028229.12,Rmdn1,protein_coding	-0.07921417	0.62999883
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ENSMUSG00000103092.2,Pcdha5,protein_coding	-0.07923004	0.64097643
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ENSMUSG00000037646.11,Vps13b,protein_coding	-0.07944748	0.22977417
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ENSMUSG00000016995.18,Matn4,protein_coding	-0.07952906	0.64735833
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ENSMUSG00000025103.9,Btbd1,protein_coding	-0.07955893	0.48284145
ENSMUSG00000024935.12,Slc1a1,protein_coding	-0.07962994	0.50592301
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ENSMUSG00000022378.15,Cyrib,protein_coding	-0.07973641	0.32759199
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ENSMUSG00000056296.18,Synpr,protein_coding	-0.07979919	0.66006395
ENSMUSG00000038002.10,Cramp1,protein_coding	-0.07980766	0.29050709
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ENSMUSG00000021203.16,Otub2,protein_coding	-0.08011566	0.53920522
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ENSMUSG00000091020.4,Gm5828,processed_pseudogene	-0.08174727	0.82865573
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ENSMUSG00000025066.11,Sfr1,protein_coding	-0.08179191	0.38191298
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ENSMUSG00000134840.1,ENSMUSG00000134840,lncRNA	-0.08813291	0.8672198
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ENSMUSG00002075102.1,Gm55598,misc_RNA	-0.08829184	0.86414512
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ENSMUSG00000100306.2,Gm29362,lncRNA	-0.08854539	0.90927823
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ENSMUSG00000126185.1,ENSMUSG00000126185,lncRNA	-0.08873265	0.60580624
ENSMUSG00000085379.4,2310058D17Rik,lncRNA	-0.0887329	0.59482311
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ENSMUSG00000075701.11,Selenos,protein_coding	-0.09823675	0.50728676
ENSMUSG00000034892.9,Rps29,protein_coding	-0.0982761	0.62761891
ENSMUSG00000082896.2,Gm5844,processed_pseudogene	-0.09828361	0.69536554
ENSMUSG00000063888.8,Rpl7l1,protein_coding	-0.09832351	0.42184678
ENSMUSG00000093930.3,Hmgcs1,protein_coding	-0.09836391	0.47109796
ENSMUSG00000028409.12,Smu1,protein_coding	-0.0983698	0.31675867
ENSMUSG00000081156.2,Gm14425,transcribed_processed_pseudogene	-0.09839285	0.62916061
ENSMUSG00000039704.9,Lmbrd2,protein_coding	-0.09845161	0.4106813
ENSMUSG00000109324.3,Prmt1,protein_coding	-0.09846299	0.48158064
ENSMUSG00000027099.10,Mtx2,protein_coding	-0.09858804	0.35370711
ENSMUSG00000036779.14,Tent4b,protein_coding	-0.09866221	0.22635214
ENSMUSG00000021712.16,Trim23,protein_coding	-0.09871164	0.59082207
ENSMUSG00000133849.1,ENSMUSG00000133849,lncRNA	-0.09872273	0.61013794
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ENSMUSG00000040331.17,Nsmce4a,protein_coding	-0.09876809	0.52992127
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ENSMUSG00000115729.3,Gm5468,lncRNA	-0.09888997	0.68833444
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ENSMUSG00000024077.16,Strn,protein_coding	-0.09908127	0.50685908
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ENSMUSG00000003721.15,Insig2,protein_coding	-0.09911415	0.31137717
ENSMUSG00000105326.2,6030400A10Rik,TEC	-0.09914916	0.56414282
ENSMUSG00000117541.3,Gm50048,lncRNA	-0.09930902	0.76122579
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ENSMUSG00000103520.2,1110025M09Rik,TEC	-0.10009164	0.7193789
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ENSMUSG00000049516.10,Spty2d1,protein_coding	-0.10760769	0.33694683
ENSMUSG00000045275.18,Lca5l,protein_coding	-0.10761458	0.62433101
ENSMUSG00000116493.3,Gm49445,lncRNA	-0.10762545	0.66165429
ENSMUSG00000032846.13,Zswim6,protein_coding	-0.10769687	0.33511578
ENSMUSG00000034248.8,Slc25a37,protein_coding	-0.10782827	0.19716524
ENSMUSG00000045962.17,Wnk1,protein_coding	-0.10790356	0.1417264
ENSMUSG00000019826.12,Zbtb24,protein_coding	-0.10792479	0.26298082
ENSMUSG00000106648.2,Gm43176,TEC	-0.10810025	0.59248134
ENSMUSG00000097888.4,Gm26682,lncRNA	-0.10812781	0.73210081
ENSMUSG00000137154.1,ENSMUSG00000137154,lncRNA	-0.10815222	0.71757267
ENSMUSG00000110027.4,C030029H02Rik,lncRNA	-0.10815269	0.60129928
ENSMUSG00000116564.2,Riok2,protein_coding	-0.1081862	0.25942913
ENSMUSG00000097587.5,4930578M01Rik,lncRNA	-0.10819668	0.52718215
ENSMUSG00000030386.20,Zfp606,protein_coding	-0.10820775	0.37526304
ENSMUSG00000104597.2,B230334C09Rik,lncRNA	-0.10822086	0.55971239
ENSMUSG00000025016.12,Tm9sf3,protein_coding	-0.10828883	0.37943614
ENSMUSG00000022807.10,Osbpl11,protein_coding	-0.10831323	0.25438019
ENSMUSG00000097462.10,9530026P05Rik,lncRNA	-0.10832442	0.42225528
ENSMUSG00000130917.1,ENSMUSG00000130917,lncRNA	-0.10838026	0.75815306
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ENSMUSG00000050174.16,Nudt6,protein_coding	-0.10852157	0.72359754
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ENSMUSG00000028420.14,Tmem38b,protein_coding	-0.10881564	0.3848587
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ENSMUSG00000105636.2,Gm43625,lncRNA	-0.1094027	0.71676432
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ENSMUSG00000026743.17,Mllt10,protein_coding	-0.11014591	0.20601981
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ENSMUSG00000044442.12,N6amt1,protein_coding	-0.1105418	0.23613041
ENSMUSG00000015120.17,Ube2i,protein_coding	-0.11059306	0.15092545
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ENSMUSG00000118071.2,Gm50455,lncRNA	-0.11064477	0.731265
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ENSMUSG00000026694.20,Mettl13,protein_coding	-0.11074787	0.2945165
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ENSMUSG00000054162.16,Spock3,protein_coding	-0.11084465	0.55528945
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ENSMUSG00000024480.10,Ap3s1,protein_coding	-0.11121965	0.47436594
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ENSMUSG00000104378.2,Gm37510,TEC	-0.11137318	0.49612453
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ENSMUSG00000044937.16,Ttc41,protein_coding	-0.11703816	0.51930224
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ENSMUSG00000040433.17,Zbtb38,protein_coding	-0.11734364	0.11027463
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ENSMUSG00000092564.5,BC051226,lncRNA	-0.11757861	0.71713578
ENSMUSG00000111496.2,Gm47483,TEC	-0.11761671	0.48455881
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ENSMUSG00000091994.4,E130317F20Rik,lncRNA	-0.12930052	0.45207495
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ENSMUSG00000068917.14,Clk2,protein_coding	-0.13948501	0.17404998
ENSMUSG00000105460.2,Gm42671,TEC	-0.1395135	0.65294332
ENSMUSG00000028696.13,lpp,protein_coding	-0.13957059	0.25124415
ENSMUSG00000107859.3,Gm30731,lncRNA	-0.13958421	0.49179078
ENSMUSG00000069996.5,Gm41341,transcribed_processed_pseudogene	-0.13962564	0.81541675
ENSMUSG00000023961.17,Enpp4,protein_coding	-0.13968366	0.26052276
ENSMUSG00000090965.2,Gm17203,lncRNA	-0.13969126	0.53993216
ENSMUSG00000036249.17,Rbm43,protein_coding	-0.13988612	0.29805519
ENSMUSG00000039178.10,Tbc1d19,protein_coding	-0.13997814	0.31418017
ENSMUSG00000067148.16,Polr1c,protein_coding	-0.1399796	0.36431496
ENSMUSG00000025077.15,Dclre1a,protein_coding	-0.14002901	0.28422173
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ENSMUSG00000024776.19,Stambpl1,protein_coding	-0.14018972	0.19493835
ENSMUSG00000024807.19,Syvn1,protein_coding	-0.14025751	0.41116612
ENSMUSG00000020311.18,Erlec1,protein_coding	-0.14025943	0.22627106
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ENSMUSG00000028809.17,Srrm1,protein_coding	-0.14036076	0.06258267
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ENSMUSG00000031137.18,Fgf13,protein_coding	-0.14054028	0.3649271
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ENSMUSG00000043962.17,Thrap3,protein_coding	-0.14085093	0.13632438
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ENSMUSG00000096995.5,2810029C07Rik,lncRNA	-0.14168173	0.48447409
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ENSMUSG00000062198.6,2700097O09Rik,protein_coding	-0.14290982	0.35323861
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ENSMUSG00000031226.14,Pbdc1,protein_coding	-0.14324624	0.09719873
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ENSMUSG00000085776.11,5430402O13Rik,lncRNA	-0.15147631	0.32073587

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ENSMUSG00000019952.16,Poc1b,protein_coding	-0.15154889	0.32898542
ENSMUSG00000137201.1,ENSMUSG00000137201,lncRNA	-0.15155548	0.62911503
ENSMUSG00000013736.17,Trnt1,protein_coding	-0.15166411	0.15130554
ENSMUSG00000029390.14,Tmed2,protein_coding	-0.15175713	0.19594479
ENSMUSG00000036353.14,P2ry12,protein_coding	-0.151761	0.35061231
ENSMUSG00000104682.2,Gm42636,TEC	-0.15188466	0.47372568
ENSMUSG00000050545.11,Fam228b,protein_coding	-0.15195634	0.33152011
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ENSMUSG00000012640.17,Zfp715,protein_coding	-0.15200237	0.09019235
ENSMUSG00000024766.16,Lipo3,protein_coding	-0.15201335	0.4906827
ENSMUSG00000027341.11,Tmem230,protein_coding	-0.15211634	0.29548185
ENSMUSG00000051000.18,Fhip1a,protein_coding	-0.15220483	0.52074445
ENSMUSG00000114298.3,Gm48371,lncRNA	-0.15221519	0.63956978
ENSMUSG00000021906.15,Oxnad1,protein_coding	-0.15229319	0.09733858
ENSMUSG00000122851.1,ENSMUSG00000122851,lncRNA	-0.15242116	0.57924835
ENSMUSG00000056458.17,Mok,protein_coding	-0.15249482	0.41532102
ENSMUSG00000014905.5,Dnajb9,protein_coding	-0.15259726	0.26045648
ENSMUSG00000111077.2,Gm48743,TEC	-0.15272653	0.52637461
ENSMUSG00000030443.17,Zfp583,protein_coding	-0.15277268	0.18366019
ENSMUSG00000059820.15,Nkapd1,protein_coding	-0.1527728	0.26497615
ENSMUSG00000025193.15,Cutc,protein_coding	-0.15287377	0.57888553
ENSMUSG00000104406.2,Gm38014,TEC	-0.15289845	0.51393071
ENSMUSG00000021036.11,Sptlc2,protein_coding	-0.1529809	0.09892063
ENSMUSG00000029501.16,Ankle2,protein_coding	-0.15299043	0.13391712
ENSMUSG00000033487.15,Fndc3a,protein_coding	-0.1529997	0.10388692
ENSMUSG00000142170.1,ENSMUSG00000142170,lncRNA	-0.15302882	0.56204905
ENSMUSG00000031221.8,Igbp1,protein_coding	-0.15307579	0.08265586
ENSMUSG00000039246.9,Lyplal1,protein_coding	-0.15321509	0.59946517
ENSMUSG00000057672.17,Pkn1,protein_coding	-0.15326948	0.14734397
ENSMUSG00000057329.8,Bcl2,protein_coding	-0.15333427	0.16346805
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ENSMUSG00000054150.13,Syne3,protein_coding	-0.15359441	0.45587193
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ENSMUSG00000075256.10,Cerkl,protein_coding	-0.15409352	0.57046928
ENSMUSG00000062014.15,Gmfb,protein_coding	-0.15411669	0.27072644
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ENSMUSG00000027708.15,Dcun1d1,protein_coding	-0.15413948	0.17544885
ENSMUSG00000032041.16,Tirap,protein_coding	-0.15415128	0.44794611
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ENSMUSG00000040121.6,Rep15,protein_coding	-0.15542314	0.75257972
ENSMUSG00000083397.2,Gm5466,processed_pseudogene	-0.155435	0.44208976
ENSMUSG00000036940.16,Kdm1a,protein_coding	-0.15544786	0.03813648
ENSMUSG00000075054.6,Yae1d1,protein_coding	-0.15547658	0.14581435
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ENSMUSG00000018166.9,Erbb3,protein_coding	-0.15588739	0.25354404
ENSMUSG00000108079.4,Gm44210,lncRNA	-0.15590565	0.53420078
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ENSMUSG00000040455.18,Usp45,protein_coding	-0.1561353	0.07710456
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ENSMUSG00000049396.7,Gemin4,protein_coding	-0.15632958	0.77056319
ENSMUSG00000046010.8,Zfp830,protein_coding	-0.15641431	0.22799433
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ENSMUSG00000035726.9,Supt16,protein_coding	-0.1564705	0.10944588
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ENSMUSG00000042684.9,Npl,protein_coding	-0.15655302	0.51231465
ENSMUSG00000006392.17,Med8,protein_coding	-0.15655773	0.19336134
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ENSMUSG00000052392.6,Acot4,protein_coding	-0.15663969	0.4862597
ENSMUSG00000026199.19,Ankzf1,protein_coding	-0.15668538	0.07802752
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ENSMUSG00000036112.16,Metap2,protein_coding	-0.16407291	0.08941429
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ENSMUSG00000078903.11,Gm14391,protein_coding	-0.16409155	0.27104013
ENSMUSG00000108513.4,Gm30075,lncRNA	-0.16410395	0.54495506
ENSMUSG00000116125.3,Gm41361,lncRNA	-0.1641771	0.42143073
ENSMUSG00000030751.19,Psma1,protein_coding	-0.16421258	0.17976157
ENSMUSG00000060534.17,Dcc,protein_coding	-0.16422482	0.40309541
ENSMUSG00000056069.11,Otulinl,protein_coding	-0.16429775	0.2840506
ENSMUSG00000058291.15,Zfp68,protein_coding	-0.16432955	0.10730073
ENSMUSG00000029823.17,Luc7l2,protein_coding	-0.16437351	0.21075208
ENSMUSG00000044726.9,Erich5,protein_coding	-0.16440209	0.60467072
ENSMUSG00000000392.18,Fap,protein_coding	-0.16443673	0.48487108
ENSMUSG00000122623.1,ENSMUSG00000122623,lncRNA	-0.16451061	0.68962726
ENSMUSG00000129132.1,ENSMUSG00000129132,lncRNA	-0.16451394	0.59255269
ENSMUSG00000038722.18,Bud31,protein_coding	-0.16462671	0.27127027
ENSMUSG00000115289.2,Gm49164,lncRNA	-0.1646725	0.54320971
ENSMUSG00000097204.5,Gm17690,lncRNA	-0.16468779	0.34637598
ENSMUSG00000031508.15,Ankrd10,protein_coding	-0.16469351	0.11033206
ENSMUSG00000020781.15,Tsen54,protein_coding	-0.16470569	0.47253542
ENSMUSG00000020656.17,Grhl1,protein_coding	-0.16471402	0.32407141
ENSMUSG00000121865.2,Thap6,lncRNA	-0.16476926	0.49945194

ENSMUSG00000022407.11,Adsl,protein_coding	-0.1648033	0.29852948
ENSMUSG00000093553.3,Gm20633,lncRNA	-0.16489756	0.32734457
ENSMUSG00000104313.2,Gm37911,TEC	-0.16490007	0.43634003
ENSMUSG00000042604.6,Kcna4,protein_coding	-0.16499842	0.42643884
ENSMUSG00000104612.2,Gm42449,TEC	-0.16501006	0.55716879
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ENSMUSG00000057719.12,Sh3rf2,protein_coding	-0.16511533	0.74291659
ENSMUSG00000118094.3,Gm52988,lncRNA	-0.16516694	0.63655042
ENSMUSG00000047879.18,Usp14,protein_coding	-0.16518163	0.20280149
ENSMUSG00000022971.19,Ifnar2,protein_coding	-0.16520577	0.20348538
ENSMUSG00000032373.16,Car12,protein_coding	-0.16527124	0.42878253
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ENSMUSG00000048174.3,Tmem81,protein_coding	-0.16595429	0.36312177
ENSMUSG00000030067.18,Foxp1,protein_coding	-0.16598596	0.35468477
ENSMUSG00000064127.14,Med14,protein_coding	-0.16599601	0.05465606
ENSMUSG00000126526.1,ENSMUSG00000126526,lncRNA	-0.16600796	0.30229936
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ENSMUSG00000022175.10,Lrp10,protein_coding	-0.1661448	0.39619366
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ENSMUSG00000021282.18,Eif5,protein_coding	-0.16635294	0.19519221
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ENSMUSG00000022837.15,Iqcb1,protein_coding	-0.16645094	0.0938597
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ENSMUSG00000054517.10,Trim65,protein_coding	-0.16690523	0.28734664
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ENSMUSG00000019916.15,P4ha1,protein_coding	-0.16751391	0.1229984
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ENSMUSG00000006169.21,Clint1,protein_coding	-0.16755128	0.09866294
ENSMUSG00000024659.16,Anxa1,protein_coding	-0.16755715	0.65628971
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ENSMUSG00000027365.15,Trpm7,protein_coding	-0.16856562	0.0890628
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ENSMUSG00000031392.19,Irak1,protein_coding	-0.17716941	0.05287334
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ENSMUSG00000121822.2,Gm48691,lncRNA	-0.17727678	0.6599304
ENSMUSG00000062319.3,Gm10115,lncRNA	-0.17734654	0.5773941
ENSMUSG00000022538.21,Lsg1,protein_coding	-0.17735255	0.18096976
ENSMUSG00000073468.13,Sft2d1,protein_coding	-0.17738437	0.21128431
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ENSMUSG00000109321.3,A330076H08Rik,lncRNA	-0.17743637	0.41637728
ENSMUSG00000100002.5,Gm29642,lncRNA	-0.17746669	0.35660278
ENSMUSG00000110840.2,Gm47496,processed_pseudogene	-0.17747291	0.65951136
ENSMUSG00000121444.1,ENSMUSG00000121444,lncRNA	-0.17772423	0.51146906
ENSMUSG00000120340.2,A330069E16Rik,lncRNA	-0.17777855	0.50107323
ENSMUSG00000025133.10,Ints4,protein_coding	-0.17781088	0.07616888
ENSMUSG00000030980.19,Knop1,protein_coding	-0.17784442	0.10934577
ENSMUSG00000105864.2,Gm10484,lncRNA	-0.17784732	0.3283211
ENSMUSG00000120272.2,Gm56576,lncRNA	-0.17789237	0.60805231
ENSMUSG00000026219.15,Trip12,protein_coding	-0.17791423	0.01201499
ENSMUSG00000085193.3,Gm13322,lncRNA	-0.17796377	0.48374714
ENSMUSG00000034342.10,Cbl,protein_coding	-0.17796599	0.00866078
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ENSMUSG00000024580.9,Grpel2,protein_coding	-0.17800369	0.13482666
ENSMUSG00000027782.11,Kpna4,protein_coding	-0.17805906	0.109266
ENSMUSG00000109122.2,A230103L15Rik,TEC	-0.17810084	0.35263721
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ENSMUSG00000020790.15,Ankfy1,protein_coding	-0.17813236	0.0296889
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ENSMUSG00000033106.7,Slc7a6os,protein_coding	-0.17818525	0.093773
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ENSMUSG00000010529.7,Gm266,protein_coding	-0.17821076	0.41892366
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ENSMUSG00000091511.4,Vmn2r87,protein_coding	-0.18862293	0.35608741
ENSMUSG00000064138.15,Arb2a,protein_coding	-0.18875376	0.05674621
ENSMUSG00000024598.10,Fbn2,protein_coding	-0.18897653	0.25311969
ENSMUSG00000020024.8,Cep83,protein_coding	-0.18899371	0.06155629
ENSMUSG00000028602.13,Tnfrsf8,protein_coding	-0.18903741	0.66281881
ENSMUSG00000120215.2,Gm56511,lncRNA	-0.18906597	0.5601351
ENSMUSG00000103159.2,F830112A20Rik,TEC	-0.18909272	0.19013077
ENSMUSG00000106665.2,Gm43389,TEC	-0.18919119	0.1723263
ENSMUSG00000032397.8,Tipin,protein_coding	-0.18921433	0.36607488

ENSMUSG00000026247.14,Ecel1,protein_coding	-0.18934157	0.67629311
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ENSMUSG00000103735.2,Gm38317,processed_pseudogene	-0.18944739	0.84517864
ENSMUSG00000022514.15,Il1rap,protein_coding	-0.1895231	0.12958701
ENSMUSG00000044770.15,Scml4,protein_coding	-0.18966644	0.38374115
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ENSMUSG00000028426.11,Rad23b,protein_coding	-0.18986657	0.08363642
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ENSMUSG00000020288.14,Ahsa2,protein_coding	-0.18995573	0.04230023
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ENSMUSG00000007617.19,Homer1,protein_coding	-0.19027713	0.45225912
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ENSMUSG00000020190.14,Mknk2,protein_coding	-0.19050628	0.33145361
ENSMUSG00000036391.17,Sec24a,protein_coding	-0.19051159	0.07003476
ENSMUSG00000021311.10,Mtr,protein_coding	-0.19071774	0.02801659
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ENSMUSG00000056267.15,Cep70,protein_coding	-0.19334366	0.15048661
ENSMUSG00000000555.9,Itga5,protein_coding	-0.19335876	0.4331617
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ENSMUSG00000043535.14,Setx,protein_coding	-0.19351777	0.02803122
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ENSMUSG00000030929.18,Eri2,protein_coding	-0.19471236	0.23425183
ENSMUSG00000031631.16,Cfap97,protein_coding	-0.19474973	0.11781979
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ENSMUSG00000030232.20,Aebp2,protein_coding	-0.19488446	0.04971547
ENSMUSG00000001440.6,Kpnb1,protein_coding	-0.19492339	0.03345308
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ENSMUSG00000032434.10,Cmtm6,protein_coding	-0.20357519	0.15368579
ENSMUSG00000040025.18,Ythdf2,protein_coding	-0.2036318	0.06011182
ENSMUSG00000110499.2,Gm45873,TEC	-0.20370452	0.33070608
ENSMUSG00000021796.16,Bmpr1a,protein_coding	-0.20373092	0.11838349
ENSMUSG00000025915.15,Sgk3,protein_coding	-0.20373756	0.21283431
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ENSMUSG00000111491.2,Gm47503,TEC	-0.20393534	0.34540063
ENSMUSG00000113167.2,Gm48482,TEC	-0.20404698	0.48375025
ENSMUSG00000071072.13,Ptges3,protein_coding	-0.20412137	0.12760259
ENSMUSG00000107290.2,Gm43282,TEC	-0.20425202	0.27317929
ENSMUSG00000042708.13,Shcbp1l,protein_coding	-0.20443207	0.37435272
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ENSMUSG00000109606.2,Gm45537,TEC	-0.20446822	0.27365431
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ENSMUSG00000032449.14,Slc25a36,protein_coding	-0.20495459	0.07503658
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ENSMUSG00000029366.11,Dck,protein_coding	-0.20527908	0.24074018
ENSMUSG00000107320.2,Gm42549,TEC	-0.2052836	0.15217934
ENSMUSG00000005656.10,Snx6,protein_coding	-0.20529108	0.13792448

ENSMUSG00000031311.18,Nono,protein_coding	-0.2053412	0.06008502
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ENSMUSG00000111761.4,9230112J17Rik,lncRNA	-0.20560531	0.47957392
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ENSMUSG00000096870.6,Gm21816,lncRNA	-0.21838143	0.20525238
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ENSMUSG00000118728.1,Gm24463,snoRNA	-0.21859754	0.85791143
ENSMUSG00000122872.1,ENSMUSG00000122872,lncRNA	-0.21864353	0.43356624
ENSMUSG00000089824.11,Rbm12,protein_coding	-0.2186821	0.08808575
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ENSMUSG00000022911.12,Arl13b,protein_coding	-0.21886327	0.03665817
ENSMUSG00000085093.2,Gm12737,lncRNA	-0.21891532	0.32959319
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ENSMUSG00000039842.16,Mcph1,protein_coding	-0.21901766	0.02826862
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ENSMUSG00000029061.3,Mmp23,protein_coding	-0.21932595	0.54469151
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ENSMUSG00000106978.3,N4bp2os,lncRNA	-0.23414738	0.23925947
ENSMUSG00000107690.2,Gm44044,TEC	-0.23416982	0.27895477
ENSMUSG00000074591.9,Ankub1,protein_coding	-0.2346228	0.23790258
ENSMUSG00000122041.1,ENSMUSG00000122041,lncRNA	-0.23462897	0.36958555
ENSMUSG00000093112.4,Gm22701,misc_RNA	-0.23468209	0.43490986
ENSMUSG00000080727.5,C920021L13Rik,lncRNA	-0.23473031	0.29942111
ENSMUSG00000049957.15,Ccdc137,protein_coding	-0.23479164	0.01189593
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ENSMUSG00000034192.6,Lsm3,protein_coding	-0.23573959	0.09194446
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ENSMUSG00000020142.13,Slc1a4,protein_coding	-0.24960887	0.02412717
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ENSMUSG00000040658.8,Dnph1,protein_coding	-0.24995229	0.3352731
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ENSMUSG00000100313.2,Gm28323,lncRNA	-0.26590287	0.33640191
ENSMUSG00000106073.2,Gm42892,TEC	-0.26593939	0.24311179
ENSMUSG00000113869.2,Gm48869,processed_pseudogene	-0.2659444	0.11784769
ENSMUSG00000032265.15,Tent5a,protein_coding	-0.26603121	0.14803357
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ENSMUSG00000027722.15,Afg2a,protein_coding	-0.26610092	0.08733596
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ENSMUSG00000033102.16,Cdc14b,protein_coding	-0.28226208	0.12654243
ENSMUSG00000067736.3,Gm10222,unprocessed_pseudogene	-0.28265443	0.40605634
ENSMUSG00000087336.4,Gm15860,lncRNA	-0.28283241	0.0882951
ENSMUSG00000051736.9,Fam229b,protein_coding	-0.28298498	0.14812792
ENSMUSG00000021572.10,Cep72,protein_coding	-0.2830263	0.1753749
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ENSMUSG00000022300.11,Dcaf13,protein_coding	-0.28384094	0.00754131
ENSMUSG00000082879.2,Gm13525,processed_pseudogene	-0.28385367	0.37927688
ENSMUSG00000100480.2,Gm29156,lncRNA	-0.2839343	0.44006794
ENSMUSG00000105824.2,Gm43466,lncRNA	-0.28408614	0.1805823
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ENSMUSG00000100876.2,2810454H06Rik,lncRNA	-0.28434045	0.46689512
ENSMUSG00000018848.5,Rars1,protein_coding	-0.28437686	0.05705163
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ENSMUSG00000097583.4,6430590A07Rik,lncRNA	-0.28451957	0.1221836
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ENSMUSG00000079014.5,Serpina3i,protein_coding	-0.28513927	0.80355479
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ENSMUSG00000055323.8,Gm9967,lncRNA	-0.28564969	0.39844035
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ENSMUSG00000064023.5,Klk8,protein_coding	-0.30409382	0.46181415
ENSMUSG00000103509.2,Gm38372,TEC	-0.30424069	0.04491336
ENSMUSG00000121798.2,ENSMUSG00000121798,lncRNA	-0.30445206	0.12766208
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ENSMUSG00000107796.2,Gm44068,TEC	-0.30449288	0.26548618
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ENSMUSG00000085611.4,Ap3s1-ps1,processed_pseudogene	-0.30476999	0.73892773
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ENSMUSG00000129652.1,ENSMUSG00000129652,lncRNA	-0.30580433	0.35310804
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ENSMUSG00000084052.2,Gm11745,processed_pseudogene	-0.3230596	0.28541918
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ENSMUSG00000085208.6,Brip1os,lncRNA	-0.32322655	0.17918257
ENSMUSG00000117505.2,Gm9993,lncRNA	-0.32322699	0.09193217
ENSMUSG00000110326.2,Gm45378,TEC	-0.32329798	0.15362771
ENSMUSG00000113505.2,Gm48593,TEC	-0.32337314	0.24895772
ENSMUSG00000018446.9,C1qbp,protein_coding	-0.32358229	0.07578534
ENSMUSG00000109853.3,Gm33045,lncRNA	-0.32385048	0.29067616
ENSMUSG00000117725.3,Gm50240,lncRNA	-0.32387081	0.18405022
ENSMUSG00000050628.7,Ubald2,protein_coding	-0.32416149	0.17394443
ENSMUSG00000109239.2,Gm45176,TEC	-0.32419836	0.17933024
ENSMUSG00000038059.8,Smim3,protein_coding	-0.3242606	0.11873211
ENSMUSG00000055923.17,Aasdh,protein_coding	-0.32432005	0.00995976
ENSMUSG00000052798.15,Nup107,protein_coding	-0.32449326	0.06793186
ENSMUSG00000026245.17,Farsb,protein_coding	-0.32458603	0.00396164
ENSMUSG00000093355.3,Snora26,snoRNA	-0.3246981	0.26913864
ENSMUSG00000027804.14,Ppid,protein_coding	-0.32479544	0.00266402
ENSMUSG00000028614.15,Ndc1,protein_coding	-0.32485869	0.05758079
ENSMUSG00000103825.2,Gm38178,TEC	-0.32492597	0.15115224
ENSMUSG00000085628.7,Appbp2os,lncRNA	-0.32494523	0.13126741

ENSMUSG00000050229.4,Pigm,protein_coding	-0.32494613	0.04865685
ENSMUSG00000124097.1,ENSMUSG00000124097,lncRNA	-0.32496894	0.43754858
ENSMUSG00000027620.17,Rbm39,protein_coding	-0.32497646	0.020895
ENSMUSG00000112637.2,Gm48225,TEC	-0.32506786	0.15649008
ENSMUSG00000140383.1,ENSMUSG00000140383,lncRNA	-0.32513206	0.61649337
ENSMUSG00000079139.5,Gm4204,processed_pseudogene	-0.32516186	0.14879166
ENSMUSG00000024276.8,Zfp397,protein_coding	-0.3253806	0.03685251
ENSMUSG00000085882.4,2610507I01Rik,lncRNA	-0.32543866	0.09259027
ENSMUSG00000035367.10,Rmi1,protein_coding	-0.32559982	0.03664603
ENSMUSG00000107779.2,Gm43874,TEC	-0.32572122	0.20684026
ENSMUSG00000030744.14,Rps3,protein_coding	-0.32583317	0.10977038
ENSMUSG00000093565.4,Rab26os,lncRNA	-0.3258644	0.40383194
ENSMUSG00000129444.1,ENSMUSG00000129444,lncRNA	-0.32594312	0.36654019
ENSMUSG00000108910.2,Gm44625,TEC	-0.3259505	0.28255493
ENSMUSG00000018995.13,Nars2,protein_coding	-0.32600078	0.01974934
ENSMUSG00000130384.1,ENSMUSG00000130384,lncRNA	-0.32612177	0.45295927
ENSMUSG00000030243.17,Recql,protein_coding	-0.32612679	0.03391609
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ENSMUSG00000093880.4,Tmem181c-ps,transcribed_unprocessed_pseudoge	-0.32654155	0.50749461
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ENSMUSG00000058638.15,Zfp110,protein_coding	-0.32668238	0.07202487
ENSMUSG00000077709.3,Snora64,snoRNA	-0.32672569	0.27886272
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ENSMUSG00000025209.6,Twnk,protein_coding	-0.3277716	0.00513519
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ENSMUSG00000022241.7,Tars1,protein_coding	-0.32817435	0.08393852
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ENSMUSG00000084946.5,Dlx1as,lncRNA	-0.32982815	0.22624239
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ENSMUSG00000081441.4,Gm6161,processed_pseudogene	-0.32989998	0.60215132
ENSMUSG00000080775.2,Gm6368,processed_pseudogene	-0.32993919	0.39240814
ENSMUSG00000139555.1,ENSMUSG00000139555,lncRNA	-0.3299595	0.48727225
ENSMUSG00000027966.21,Col11a1,protein_coding	-0.33003765	0.0741537
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ENSMUSG00000135752.1,ENSMUSG00000135752,lncRNA	-0.33105999	0.31712736
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ENSMUSG00000028121.9,Bcar3,protein_coding	-0.33405456	0.05226181
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ENSMUSG00000020611.15,Gna13,protein_coding	-0.34565756	0.0676665
ENSMUSG00000106822.2,Gm43533,TEC	-0.34583394	0.1258193
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ENSMUSG00000113440.3,Gm46404,lncRNA	-0.34665918	0.10426606
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ENSMUSG00000086502.4,B130055M24Rik,lncRNA	-0.34714254	0.01477872
ENSMUSG00000102995.2,A330074H02Rik,TEC	-0.34716279	0.14547945
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ENSMUSG00000106946.2,Gm42856,TEC	-0.34737001	0.13125362
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ENSMUSG00000139292.1,ENSMUSG00000139292,lncRNA	-0.34768639	0.73793015
ENSMUSG00000107970.2,Gm49058,TEC	-0.34772736	0.14225543
ENSMUSG00000116881.2,Gm49674,TEC	-0.34781918	0.16981499
ENSMUSG00000102496.2,Gm36989,TEC	-0.34782395	0.23038872
ENSMUSG00000062353.7,Gm15772,processed_pseudogene	-0.34784717	0.09234289
ENSMUSG00000124586.1,ENSMUSG00000124586,lncRNA	-0.34797373	0.18582805
ENSMUSG00000139789.1,ENSMUSG00000139789,lncRNA	-0.34813594	0.11879862
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ENSMUSG00002076818.1,Snord14e,snoRNA	-0.35362938	0.33796873
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ENSMUSG00000085957.5,Syna,protein_coding	-0.3553388	0.53530954
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ENSMUSG00000033439.13,Trmt13,protein_coding	-0.36993939	0.03598958
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ENSMUSG00000000628.11,Hk2,protein_coding	-0.37033101	0.2611952
ENSMUSG00000110234.3,Gm45799,protein_coding	-0.3705072	0.13933531
ENSMUSG00000004040.17,Stat3,protein_coding	-0.37055533	0.03578952
ENSMUSG00000113020.2,Gm48063,TEC	-0.37073526	0.04495163
ENSMUSG00000049734.10,Trex1,protein_coding	-0.37074483	0.6750188
ENSMUSG00000049775.17,Tmsb4x,protein_coding	-0.37086233	0.00638641
ENSMUSG00000106490.2,Gm43283,TEC	-0.3709228	0.29188004
ENSMUSG00000046169.11,Adamts6,protein_coding	-0.37099248	0.01929346

ENSMUSG00000055761.15,Nkain3,protein_coding	-0.37124161	0.05562631
ENSMUSG00000022292.17,Rrm2b,protein_coding	-0.37129386	0.02020941
ENSMUSG00000109459.3,Gm39526,lncRNA	-0.3714564	0.19248462
ENSMUSG00000053205.10,Styx,protein_coding	-0.37147441	0.04656936
ENSMUSG00000107436.2,Gm44416,TEC	-0.37168275	0.05182427
ENSMUSG00000111971.3,Gm48678,lncRNA	-0.37194263	0.36290308
ENSMUSG00000109206.2,Gm45137,TEC	-0.37197558	0.01729994
ENSMUSG00000026456.19,Cyb5r1,protein_coding	-0.37208753	0.08583511
ENSMUSG00000041995.9,Zbed3,protein_coding	-0.37270742	0.03539752
ENSMUSG00000042759.13,Apobr,protein_coding	-0.37274544	0.42455627
ENSMUSG00000034282.4,Evpl,protein_coding	-0.37288808	0.172026
ENSMUSG00000103779.2,Gm36931,TEC	-0.37289945	0.12368945
ENSMUSG00000017548.16,Suz12,protein_coding	-0.37297357	0.06240848
ENSMUSG00000023272.5,Creld2,protein_coding	-0.37301324	0.17513463
ENSMUSG00000039456.12,Morc3,protein_coding	-0.3733221	0.01174196
ENSMUSG00000021713.10,Ppwd1,protein_coding	-0.37359378	0.01862082
ENSMUSG00000075271.5,Ift70a1,protein_coding	-0.37366258	0.11900361
ENSMUSG00000110227.2,Gm45634,TEC	-0.37367619	0.10829508
ENSMUSG00000026399.13,Cd55,protein_coding	-0.37402702	0.14609419
ENSMUSG00000109864.2,Eid3,protein_coding	-0.37408903	0.16729131
ENSMUSG00000079057.5,Cyp4v3,protein_coding	-0.37429227	0.08302552
ENSMUSG00000029911.15,Ssbp1,protein_coding	-0.37433498	0.02430056
ENSMUSG00000026142.16,Rhbdd1,protein_coding	-0.37456408	0.08516248
ENSMUSG00000118346.2,Tmem179b,protein_coding	-0.37457935	0.14136627
ENSMUSG00000123314.1,ENSMUSG00000123314,lncRNA	-0.37471071	0.07193914
ENSMUSG00000069208.10,Zfp825,protein_coding	-0.37484706	0.1513353
ENSMUSG00000068114.8,Ccdc134,protein_coding	-0.37509811	0.01743986
ENSMUSG00000104940.2,Gm42908,TEC	-0.37514174	0.07524589
ENSMUSG00000027078.15,Ube2l6,protein_coding	-0.3752437	0.32285885
ENSMUSG00000107120.2,Gm43059,TEC	-0.37568522	0.03610348
ENSMUSG00000074824.4,Rslcan18,protein_coding	-0.37568633	0.33574581
ENSMUSG00000071181.4,3830408C21Rik,lncRNA	-0.37614374	0.01009166
ENSMUSG00000064844.3,Gm26202,snoRNA	-0.37622229	0.21418825
ENSMUSG00000107495.2,Gm44215,TEC	-0.37632634	0.26082052
ENSMUSG00000086769.8,Gm15587,lncRNA	-0.3764305	0.36560613
ENSMUSG00000120172.2,Gm57013,lncRNA	-0.37658625	0.10520433
ENSMUSG00000029415.5,Sdad1,protein_coding	-0.37662863	0.00991088
ENSMUSG00000122616.1,ENSMUSG00000122616,lncRNA	-0.37678116	0.13789694
ENSMUSG00000045391.6,1700120B22Rik,lncRNA	-0.37725968	0.24822862
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ENSMUSG00000110275.2,Gm5905,transcribed_processed_pseudogene	-0.37763241	0.56497934
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ENSMUSG00000107815.3,Gm44257,lncRNA	-0.37897575	0.13120179
ENSMUSG00000027079.16,Clp1,protein_coding	-0.37902355	0.02307234
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ENSMUSG00000024293.17,Esco1,protein_coding	-0.37920901	0.03891186

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ENSMUSG00000042328.14,Hps4,protein_coding	-0.37940795	0.04548852
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ENSMUSG00000041408.19,Wapl,protein_coding	-0.38026036	0.01405575
ENSMUSG00000040552.9,C3ar1,protein_coding	-0.38034629	0.47410773
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ENSMUSG00000026672.12,Optn,protein_coding	-0.38086145	0.01450011
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ENSMUSG00000108112.2,Gm45193,lncRNA	-0.38127857	0.7257489
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ENSMUSG00000113601.2,Gm48735,TEC	-0.38148331	0.32396558
ENSMUSG00000103238.2,Gm36527,TEC	-0.3815563	0.02890718
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ENSMUSG00000039294.15,Cybc1,protein_coding	-0.3816787	0.10378777
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ENSMUSG00000002428.13,Hltf,protein_coding	-0.38176169	0.00566872
ENSMUSG00000102571.2,Gm37967,TEC	-0.38203455	0.1330266
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ENSMUSG00000032383.8,Ppib,protein_coding	-0.39502696	0.00190044
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ENSMUSG00000082110.2,Gm11196,transcribed_processed_pseudogene	-0.39648213	0.31584516
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ENSMUSG00000115837.2,9130002K18Rik,TEC	-0.39662668	0.07072747
ENSMUSG00000041957.16,Pkp2,protein_coding	-0.39666348	0.08361779
ENSMUSG00000021000.18,Mia2,protein_coding	-0.39674879	0.00607407
ENSMUSG00000048039.9,Isg20l2,protein_coding	-0.39691589	0.01628301
ENSMUSG00000093606.4,B130034C11Rik,lncRNA	-0.3970362	0.06773965
ENSMUSG00000135750.1,ENSMUSG00000135750,lncRNA	-0.39704657	0.46574005
ENSMUSG00000031344.12,Gabrq,protein_coding	-0.39710772	0.49315837
ENSMUSG00000046410.11,Kcnk6,protein_coding	-0.39723518	0.08365423
ENSMUSG00000141108.1,ENSMUSG00000141108,lncRNA	-0.39735242	0.05934454
ENSMUSG00000107171.2,Gm42572,TEC	-0.39736373	0.0644711
ENSMUSG00000078700.13,D030028A08Rik,lncRNA	-0.3974212	0.01032702
ENSMUSG00000099150.3,Gm27243,lncRNA	-0.39743645	0.31985674
ENSMUSG00000138708.1,ENSMUSG00000138708,lncRNA	-0.3975603	0.27092735
ENSMUSG00000032409.16,Atr,protein_coding	-0.39775641	0.02321592
ENSMUSG00000121900.1,ENSMUSG00000121900,lncRNA	-0.3979135	0.05478141
ENSMUSG00000058799.17,Nap1l1,protein_coding	-0.39797303	0.00735119
ENSMUSG00000061787.16,Rps17,protein_coding	-0.39800982	0.07893515
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ENSMUSG00000097303.5,3110083C13Rik,lncRNA	-0.39829665	0.06393936
ENSMUSG00000078879.11,Zfp973,protein_coding	-0.39831953	0.09633904
ENSMUSG00000109982.2,Gm45520,TEC	-0.39838623	0.40484838
ENSMUSG00000106585.2,Gm25053,snoRNA	-0.39839651	0.28631442
ENSMUSG00000121810.1,Pphln1-ps1,lncRNA	-0.39839892	0.22167128
ENSMUSG00000139678.1,ENSMUSG00000139678,lncRNA	-0.39848782	0.44926623
ENSMUSG00000015396.5,Cd83,protein_coding	-0.3985242	0.27244031
ENSMUSG00000104017.2,Gm37363,TEC	-0.39855231	0.06243884
ENSMUSG00000107094.2,Gm43294,TEC	-0.39873367	0.10410149
ENSMUSG00000031530.7,Dusp4,protein_coding	-0.39886124	0.04452614
ENSMUSG00000109097.4,Gm29683,lncRNA	-0.39888455	0.17275492

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ENSMUSG00000063684.10,Hadhb-ps,processed_pseudogene	-0.40011538	0.33330668
ENSMUSG00000064346.1,mt-Tw,Mt_tRNA	-0.40036027	0.4812966
ENSMUSG00000027210.21,Meis2,protein_coding	-0.40061991	0.12079036
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ENSMUSG00000119817.1,Gm24862,snoRNA	-0.40118314	0.36627111
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ENSMUSG00000105338.2,Gm43802,processed_pseudogene	-0.40131036	0.63714188
ENSMUSG00000104343.2,5730408A14Rik,TEC	-0.40145014	0.13240305
ENSMUSG00000028066.16,Pmf1,protein_coding	-0.40151654	0.31320442
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ENSMUSG00000023066.11,Rttn,protein_coding	-0.40254211	0.02984066
ENSMUSG00000062031.14,Pgghg,protein_coding	-0.40255125	0.0760443
ENSMUSG00000022833.8,Ccdc14,protein_coding	-0.4025796	0.02014334
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ENSMUSG00000020178.7,Adora2a,protein_coding	-0.40299975	0.48116118
ENSMUSG00000108750.2,Gm44750,TEC	-0.40305611	0.16643842
ENSMUSG00000120671.2,Gm57240,lncRNA	-0.40327657	0.21952989
ENSMUSG00000108217.2,Gm43883,TEC	-0.4035698	0.07894596
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ENSMUSG00000025995.17,Wdr75,protein_coding	-0.40399601	0.00654253
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ENSMUSG00000023852.15,Chd1,protein_coding	-0.40431507	0.02614784
ENSMUSG00000025353.6,Ormdl2,protein_coding	-0.40448393	0.22970796
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ENSMUSG00000019979.13,Apaf1,protein_coding	-0.40450427	0.00030022
ENSMUSG00000027322.12,Siglec1,protein_coding	-0.40456245	0.35692154
ENSMUSG00000074994.7,Qser1,protein_coding	-0.40457998	0.00978188
ENSMUSG00000060419.9,Rps16-ps2,processed_pseudogene	-0.40465337	0.2761864
ENSMUSG00000136601.1,ENSMUSG00000136601,lncRNA	-0.40488622	0.2786035
ENSMUSG00000112248.2,Gm47910,TEC	-0.40488961	0.11820312
ENSMUSG00000043131.15,Mob1a,protein_coding	-0.40493325	0.03581613

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ENSMUSG00000116832.2,Gm49658,TEC	-0.40554356	0.08652854
ENSMUSG00000030287.16,Itpr2,protein_coding	-0.40556534	0.03083089
ENSMUSG00000027133.4,Nop10,protein_coding	-0.40566516	0.12060591
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ENSMUSG00000047368.5,Abhd17b,protein_coding	-0.40601102	0.07826738
ENSMUSG00000113078.2,Gm48734,TEC	-0.40601274	0.06928564
ENSMUSG00000087292.3,Gm13832,lncRNA	-0.40614134	0.09153731
ENSMUSG00000036552.20,Ermard,protein_coding	-0.4062663	0.02370199
ENSMUSG00000004980.17,Hnrnpa2b1,protein_coding	-0.40640623	0.00572585
ENSMUSG00000104018.2,4833412K13Rik,TEC	-0.40641363	0.02553353
ENSMUSG00000027478.16,Dnmt3b,protein_coding	-0.40679507	0.16898524
ENSMUSG00000117905.2,Gm50230,lncRNA	-0.40709998	0.24287306
ENSMUSG00000054889.11,Dsp,protein_coding	-0.40771959	0.08943379
ENSMUSG00000073409.13,H2-Q6,protein_coding	-0.40781469	0.67221202
ENSMUSG00000137750.1,ENSMUSG00000137750,lncRNA	-0.4078894	0.02299384
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ENSMUSG00000008682.14,Rpl10,protein_coding	-0.4083921	0.05909779
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ENSMUSG00002075146.1,Snora36b,snoRNA	-0.40942187	0.29286571
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ENSMUSG00000030905.6,Crym,protein_coding	-0.42842622	0.08760936
ENSMUSG00000070697.5,Utp3,protein_coding	-0.42861082	0.00987268
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ENSMUSG00000082791.4,Gm4875,processed_pseudogene	-0.42904349	0.04604514
ENSMUSG00000060639.6,H4c9,protein_coding	-0.42911051	0.13745206
ENSMUSG00000054945.6,Gm9958,lncRNA	-0.42922952	0.10468975
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ENSMUSG00000144212.1,ENSMUSG00000144212,lncRNA	-0.42934509	0.02448411
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ENSMUSG00000107586.2,Gm44283,TEC	-0.42944015	0.04865206
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ENSMUSG00000056753.5,C330011M18Rik,lncRNA	-0.4300258	0.07543979
ENSMUSG00000113195.2,Gm48586,TEC	-0.43012002	0.10650939
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ENSMUSG00000135280.1,ENSMUSG00000135280,lncRNA	-0.43186152	0.04132025
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ENSMUSG00000032515.9,Csrnp1,protein_coding	-0.43280065	0.05198275
ENSMUSG00000085125.9,Gm16070,lncRNA	-0.43292313	0.02282287
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ENSMUSG00000067297.6,Ifit1bl2,protein_coding	-0.43391178	0.13117233
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ENSMUSG00000021127.9,Zfp36l1,protein_coding	-0.43577851	0.03555964
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ENSMUSG00000037894.14,H2az1,protein_coding	-0.44021054	0.05306854
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ENSMUSG00000103000.2,Gm37900,TEC	-0.44055095	0.0504757
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ENSMUSG00000084349.4,Rpl3-ps1,processed_pseudogene	-0.46839885	0.02077955
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ENSMUSG00000133770.1,ENSMUSG00000133770,lncRNA	-0.46941267	0.02064618
ENSMUSG00000110834.4,Gm39469,lncRNA	-0.46966023	0.03179528
ENSMUSG00000123070.1,ENSMUSG00000123070,lncRNA	-0.46966798	0.41964355
ENSMUSG00000103197.2,Gm37642,TEC	-0.4697678	0.20196307
ENSMUSG00000104469.2,Gm37663,TEC	-0.46979597	0.0854893
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ENSMUSG00000100455.2,Gm29170,lncRNA	-0.47046399	0.01407636
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ENSMUSG00000129222.1,ENSMUSG00000129222,lncRNA	-0.47103013	0.61093536
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ENSMUSG00000026994.10,Galnt3,protein_coding	-0.47183547	0.18165731
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ENSMUSG00000032691.15,Nlrp3,protein_coding	-0.50997434	0.23838183
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ENSMUSG00000108665.2,Gm44897,TEC	-0.51095974	0.16310191
ENSMUSG00000059326.8,Csf2ra,protein_coding	-0.51102763	0.00279608
ENSMUSG00000051224.14,Tceanc,protein_coding	-0.5110492	0.10570115
ENSMUSG00000117231.3,Gm41609,lncRNA	-0.51109959	0.05941344
ENSMUSG00000004665.11,Cnn2,protein_coding	-0.51119618	0.26598603
ENSMUSG00000105402.7,Gm3716,lncRNA	-0.51181218	0.14423351
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ENSMUSG00000106904.2,Gm43029,TEC	-0.52134203	0.04221266
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ENSMUSG00000026955.14,Sapcd2,protein_coding	-0.55263844	0.19486775
ENSMUSG00000060739.9,Nsa2,protein_coding	-0.55297183	0.00385183
ENSMUSG00000127588.1,ENSMUSG00000127588,lncRNA	-0.55315456	0.15986051
ENSMUSG00000118859.1,Gm26316,snRNA	-0.55341555	0.16355328
ENSMUSG00000081640.2,Rplp0-ps1,processed_pseudogene	-0.55342456	0.53683221
ENSMUSG00000117912.2,Gm50383,lncRNA	-0.5534976	0.17027536
ENSMUSG00000120717.2,Gm56791,lncRNA	-0.55417595	0.2046862
ENSMUSG00000106757.2,Gm43482,TEC	-0.55420926	0.00102619
ENSMUSG00000100153.4,Ppp1ccb,transcribed_processed_pseudogene	-0.55448717	0.59085081
ENSMUSG00000033166.12,Dis3,protein_coding	-0.55462681	0.00810975
ENSMUSG00000040195.12,Nemp1,protein_coding	-0.55479833	0.009754
ENSMUSG00000126746.1,ENSMUSG00000126746,lncRNA	-0.55487387	0.14824871
ENSMUSG00000035551.7,Igfbpl1,protein_coding	-0.55499594	0.2009195
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ENSMUSG00000062611.5,Rps3a2,processed_pseudogene	-0.5550876	0.10744511

ENSMUSG00000108214.2,Gm43982,TEC	-0.55529784	0.00808051
ENSMUSG00000081651.2,Gm15530,processed_pseudogene	-0.55545921	0.126188
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ENSMUSG00000021647.8,Cartpt,protein_coding	-0.55614106	0.34914267
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ENSMUSG00000040270.17,Bach2,protein_coding	-0.55672622	0.01861453
ENSMUSG00000025946.14,Pth2r,protein_coding	-0.55699774	0.13263589
ENSMUSG00000115771.4,Gm49312,lncRNA	-0.55728464	0.02499249
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ENSMUSG00000051444.10,Bbs12,protein_coding	-0.55783794	0.00470895
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ENSMUSG00000122530.1,ENSMUSG00000122530,lncRNA	-0.5582233	0.01415316
ENSMUSG00000120012.2,Gm36220,lncRNA	-0.55837503	0.08805643
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ENSMUSG00000087266.4,Gm15991,lncRNA	-0.55871222	0.07188662
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ENSMUSG00000120362.2,2810449D17Rik,lncRNA	-0.56462424	0.09996098
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ENSMUSG00000020228.12,Helb,protein_coding	-0.56571866	0.03193878
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ENSMUSG00000133927.1,ENSMUSG00000133927,lncRNA	-0.56871166	0.00687785
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ENSMUSG00000055184.5,Fam72a,protein_coding	-0.60938857	0.13286189
ENSMUSG00000075284.11,Wipf1,protein_coding	-0.60979813	0.03139716
ENSMUSG00000067038.7,Rps12-ps3,transcribed_processed_pseudogene	-0.61004162	0.66044237
ENSMUSG00000108123.2,Gm43884,TEC	-0.61026266	0.05146209
ENSMUSG00000001750.17,Tcirg1,protein_coding	-0.61037848	0.03952761
ENSMUSG00000079227.11,Ccr5,protein_coding	-0.61128458	0.05130493
ENSMUSG00000010048.11,Ifrd2,protein_coding	-0.61198972	0.01850117
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ENSMUSG00000050912.16,Tmem123,protein_coding	-0.61219596	0.05565502
ENSMUSG00000121172.2,Gm57324,lncRNA	-0.61245435	0.03712385
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ENSMUSG00000065226.3,Gm25791,snoRNA	-0.6132959	0.10218059
ENSMUSG00000070167.3,Snora57,snoRNA	-0.61375503	0.10493646
ENSMUSG00000030403.10,Vasp,protein_coding	-0.61379894	0.11105376
ENSMUSG00000081805.2,Gm14335,processed_pseudogene	-0.61408224	0.04915531
ENSMUSG00000083421.2,Gm14776,processed_pseudogene	-0.61419249	0.0176663
ENSMUSG00000104164.2,Gm38248,TEC	-0.61435263	0.00371645
ENSMUSG00000071267.12,Zfp942,protein_coding	-0.61438058	0.0449678
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ENSMUSG00000020908.16,Myh3,protein_coding	-0.61508119	0.23938481
ENSMUSG00000119388.1,Snord16a,snoRNA	-0.61540186	0.07802534
ENSMUSG00000115071.2,Gm49026,TEC	-0.61544865	0.04872326
ENSMUSG00000072844.8,G530011O06Rikx,lncRNA	-0.61554236	0.20051987
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ENSMUSG00000081049.2,Rps24-ps3,processed_pseudogene	-0.61632283	0.11368685
ENSMUSG00000021377.16,Dek,protein_coding	-0.61633325	0.01472709
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ENSMUSG00000111424.2,Gm48478,TEC	-0.61708801	0.00147883
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ENSMUSG00000081051.5,Gm15427,processed_pseudogene	-0.6807028	0.33681796
ENSMUSG00000109422.2,Gm45174,TEC	-0.68080111	0.02687109
ENSMUSG00000121456.2,ENSMUSG00000121456,lncRNA	-0.68086598	0.07838583
ENSMUSG00000106543.2,Gm43378,lncRNA	-0.68121012	0.12120235
ENSMUSG00000028599.11,Tnfrsf1b,protein_coding	-0.68148576	0.20050115
ENSMUSG00000143028.1,ENSMUSG00000143028,lncRNA	-0.68184195	0.19113875
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ENSMUSG00000083111.2,Gm14421,transcribed_unprocessed_pseudogene	-0.68296264	0.01560877
ENSMUSG00000119121.1,Gm25120,snoRNA	-0.68308964	0.33746082

ENSMUSG00000088958.3,Scarna8,scaRNA	-0.68320309	0.25135652
ENSMUSG00000027635.16,Dsn1,protein_coding	-0.68382417	0.11168958
ENSMUSG00000062006.13,Rpl34,protein_coding	-0.68383829	0.05043823
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ENSMUSG00000103593.2,Gm37352,TEC	-0.68837313	0.57233065
ENSMUSG00000028234.7,Rps20,protein_coding	-0.6886513	0.01503358
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ENSMUSG00000064582.3,Gm25135,snRNA	-0.69378586	0.20976164
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ENSMUSG00000104436.2,Gm37423,lncRNA	-0.69602485	0.00373918
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ENSMUSG00000125968.1,ENSMUSG00000125968,lncRNA	-0.70145988	0.06822411
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ENSMUSG00000025572.19,Tmc6,protein_coding	-0.70198517	0.13270493
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ENSMUSG00000033554.18,Dph5,protein_coding	-0.70247074	0.00306883
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ENSMUSG00000121178.2,Gm56874,lncRNA	-0.70312932	0.1206694
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ENSMUSG00000030966.14,Trim21,protein_coding	-0.70436002	0.09280969
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ENSMUSG00000030346.17,Rad51ap1,protein_coding	-0.70468026	0.22411773
ENSMUSG00000098439.2,Hm629797,lncRNA	-0.70555678	0.01142239
ENSMUSG00000112847.2,Gm47573,TEC	-0.70574174	0.00904261
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ENSMUSG00000035351.17,Nup37,protein_coding	-0.70778439	0.0181128
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ENSMUSG00000023008.19,Fmnl3,protein_coding	-0.70806079	0.03477893
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ENSMUSG00000058838.10,Rps27a-ps2,processed_pseudogene	-0.7099794	0.10308434
ENSMUSG00000103543.2,Gm37669,TEC	-0.71159465	0.11124953
ENSMUSG00000049109.16,Themis,protein_coding	-0.71190528	0.52226192
ENSMUSG00000089998.4,Phtf1os,lncRNA	-0.71195783	0.00308274
ENSMUSG00000025525.13,Apool,protein_coding	-0.71280431	0.01515034
ENSMUSG00000026896.15,Ifih1,protein_coding	-0.7136294	0.05310969
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ENSMUSG00000088252.3,Snord13,snoRNA	-0.71451674	0.07922152
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ENSMUSG00000101188.2,Eif4a-ps4,transcribed_processed_pseudogene	-0.76599635	0.01802108
ENSMUSG00000143937.1,ENSMUSG00000143937,lncRNA	-0.76631138	0.06427093
ENSMUSG00000059898.10,Dsc3,protein_coding	-0.76648202	0.23539702
ENSMUSG00000100706.9,Gm19744,lncRNA	-0.766656	0.04492075
ENSMUSG00000065309.4,Gm23244,snRNA	-0.76716702	0.15933916
ENSMUSG00000094868.2,Dlx6os2,TEC	-0.76809061	0.1935621
ENSMUSG00000020075.9,Ddx21,protein_coding	-0.76939271	0.01030514
ENSMUSG00000120198.2,Gm4633,lncRNA	-0.7695626	0.06392343
ENSMUSG00000041849.8,Card6,protein_coding	-0.77190672	0.0335395
ENSMUSG00000032035.17,Ets1,protein_coding	-0.77225231	0.00241346
ENSMUSG00000038859.8,Baiap2l1,protein_coding	-0.77262453	0.11180257
ENSMUSG00000032113.17,Chek1,protein_coding	-0.77362065	0.01939132
ENSMUSG00000039264.10,Gimap3,protein_coding	-0.77365492	0.51902131
ENSMUSG00000107173.2,Gm43266,TEC	-0.77383128	0.04686531
ENSMUSG00000066538.6,Gm6254,processed_pseudogene	-0.77427258	0.05738109
ENSMUSG00000112547.3,Gm47096,lncRNA	-0.77526115	0.13723726
ENSMUSG00000040848.12,Sft2d2,protein_coding	-0.77531425	0.01317082
ENSMUSG00000001998.16,Ap4e1,protein_coding	-0.77569757	0.02153135
ENSMUSG00000027639.17,Samhd1,protein_coding	-0.77599347	0.03685484
ENSMUSG00000141070.1,ENSMUSG00000141070,lncRNA	-0.77709017	0.01858704
ENSMUSG00002075569.1,Terc,misc_RNA	-0.77720555	0.62886877
ENSMUSG00000112627.4,4933412E12Rik,lncRNA	-0.77722046	0.0296113
ENSMUSG00000055069.4,Rab39,protein_coding	-0.77724947	0.05422884
ENSMUSG00000066406.17,Akap13,protein_coding	-0.77876539	0.0004944
ENSMUSG00000099190.3,Gm27188,lncRNA	-0.77883977	0.05524249
ENSMUSG00000041238.17,Rbbp8,protein_coding	-0.78026934	0.02249893
ENSMUSG00000022753.16,Tmem30c,protein_coding	-0.78077988	0.01587135
ENSMUSG00000037921.16,Ddx60,protein_coding	-0.78089176	0.15886293
ENSMUSG00000033826.11,Dnah8,protein_coding	-0.78114819	0.01076031
ENSMUSG00000044156.15,Hepacam2,protein_coding	-0.78119318	0.2246345
ENSMUSG00000024660.10,Incenp,protein_coding	-0.78154779	0.00587326
ENSMUSG00000083064.2,Gm7785,processed_pseudogene	-0.78179572	0.0241164
ENSMUSG00000044583.14,Tlr7,protein_coding	-0.78275174	0.09211699
ENSMUSG00000112550.2,Gm6627,transcribed_processed_pseudogene	-0.78287604	0.02733509

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ENSMUSG00000084106.5,Gm6136,processed_pseudogene	-0.78338147	0.0151671
ENSMUSG00000042351.10,Grap2,protein_coding	-0.78412459	0.32302218
ENSMUSG00000097309.3,Gm17249,lncRNA	-0.78429088	0.00323058
ENSMUSG00000091183.6,Gm5141,protein_coding	-0.78438097	0.05424788
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ENSMUSG00000105041.3,Gm42676,TEC	-0.78681844	0.03129487
ENSMUSG00000098973.3,Mir6236,miRNA	-0.78711629	0.46764662
ENSMUSG00000027287.15,Snap23,protein_coding	-0.78792292	0.00444898
ENSMUSG00000080772.2,Gm12543,transcribed_processed_pseudogene	-0.78802728	0.11241608
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ENSMUSG00000071226.12,Cecr2,protein_coding	-0.78915896	0.00933955
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ENSMUSG00000103999.2,Gm38026,TEC	-0.79121727	0.11898947
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ENSMUSG00000086993.3,Rsf1os2,lncRNA	-0.79166745	0.06326451
ENSMUSG00000121820.2,1700028E11Rik,lncRNA	-0.79168526	0.29403208
ENSMUSG00000106025.2,Gm42940,TEC	-0.79174032	0.0123293
ENSMUSG00000015533.10,Itga2,protein_coding	-0.79187974	0.22289869
ENSMUSG00000041361.15,Myzap,protein_coding	-0.79190882	0.08126064
ENSMUSG00000005413.9,Hmox1,protein_coding	-0.79260658	0.08822575
ENSMUSG00000072082.8,Ccnf,protein_coding	-0.79281687	0.00628896
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ENSMUSG00000022978.12,Mis18a,protein_coding	-0.79500435	0.00285427
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ENSMUSG00000026107.12,Nabp1,protein_coding	-0.79754405	0.00150165
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ENSMUSG00000064925.3,Snora62,snoRNA	-0.79777283	0.04261845
ENSMUSG00000023274.15,Cd4,protein_coding	-0.79843821	0.24923277
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ENSMUSG00000033644.6,Piwil2,protein_coding	-0.79872324	0.0391382
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ENSMUSG00000091575.4,2010016I18Rik,lncRNA	-0.79919476	0.41697853
ENSMUSG00000091625.9,Lsm5,protein_coding	-0.79923995	0.04856365
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ENSMUSG00000030047.15,Arhgap25,protein_coding	-0.80003062	0.00418803
ENSMUSG00000020407.14,Upp1,protein_coding	-0.80038668	0.183225
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ENSMUSG00000085176.2,Gm15397,lncRNA	-0.80711021	0.06531633
ENSMUSG00000132664.1,ENSMUSG00000132664,lncRNA	-0.80718578	0.31344685
ENSMUSG00000121476.2,ENSMUSG00000121476,lncRNA	-0.80752467	0.03334478
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ENSMUSG00000055809.8,Dnaaf3,protein_coding	-0.80783501	0.06601918
ENSMUSG00000017830.16,Dhx58,protein_coding	-0.80841713	0.13175463
ENSMUSG00000085175.10,Gm11423,lncRNA	-0.80850003	0.00336274
ENSMUSG00000019913.5,Sim1,protein_coding	-0.80911865	0.37694445
ENSMUSG00000073705.11,Cenps,protein_coding	-0.80919962	0.05904206
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ENSMUSG00000042677.8,Zc3h12a,protein_coding	-0.88830954	0.2322676
ENSMUSG00000057132.17,Rpgrip1,protein_coding	-0.88837748	0.03228921
ENSMUSG00000068335.7,Dok1,protein_coding	-0.888936	0.07423095

ENSMUSG00000077457.3,Snord65,snoRNA	-0.88954025	0.34319517
ENSMUSG00000030924.17,Rexo5,protein_coding	-0.88955773	0.08338706
ENSMUSG00000124997.1,ENSMUSG00000124997,lncRNA	-0.89021228	0.07578133
ENSMUSG00000059883.17,Irak4,protein_coding	-0.89053813	0.03247758
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ENSMUSG00000100166.3,B230110G15Rik,lncRNA	-0.89453718	0.22559613
ENSMUSG00000049676.15,Catsperg1,protein_coding	-0.89546778	0.03662915
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ENSMUSG00000117333.2,Gm16386,transcribed_processed_pseudogene	-0.89731037	0.00827567
ENSMUSG00000041974.11,Spidr,protein_coding	-0.89774917	0.00665418
ENSMUSG00000038543.14,BC028528,protein_coding	-0.89887216	0.07017723
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ENSMUSG00000047867.12,Gimap6,protein_coding	-0.90014628	0.12478588
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ENSMUSG00000126686.1,ENSMUSG00000126686,lncRNA	-0.91624226	0.00245497
ENSMUSG00000121318.2,3110053B16Rik,lncRNA	-0.91737551	0.05740859
ENSMUSG00000064768.3,Snord60,snoRNA	-0.91840112	0.09045787
ENSMUSG00000112257.2,Gm47623,TEC	-0.918644	0.18667085
ENSMUSG00000110605.4,Gm32856,lncRNA	-0.91870275	0.00216931
ENSMUSG00000091079.2,Gm17105,lncRNA	-0.91929623	0.02815493
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ENSMUSG00000021640.7,Naip1,protein_coding	-0.94302952	0.09495971
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ENSMUSG00000123401.1,ENSMUSG00000123401,lncRNA	-0.95375327	0.24759944
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ENSMUSG00000032815.17,Fanca,protein_coding	-1.07347397	0.09337552
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ENSMUSG00000121166.1,Gm57322,lncRNA	-1.07901392	0.00321711
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ENSMUSG00000137029.1,ENSMUSG00000137029,lncRNA	-1.29974364	0.01781917
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ENSMUSG00000134786.1,ENSMUSG00000134786,lncRNA	-1.30090295	0.00634677
ENSMUSG00000046338.5,Gpat2,protein_coding	-1.30463014	0.09259908
ENSMUSG00000040253.16,Gbp7,protein_coding	-1.30711245	0.04517653
ENSMUSG00000024669.9,Cd5,protein_coding	-1.3072899	0.17406069
ENSMUSG00000024014.9,Pim1,protein_coding	-1.30879691	0.05961133
ENSMUSG00000022952.18,Runx1,protein_coding	-1.3130124	0.01941692
ENSMUSG00000029826.15,Zc3hav1,protein_coding	-1.31474982	0.03002066
ENSMUSG00002076250.1,Scarna3b,scaRNA	-1.31482435	0.15714633
ENSMUSG00000026271.16,Gpr35,protein_coding	-1.31544708	0.02322794
ENSMUSG00000032400.19,Zwilch,protein_coding	-1.31549869	0.00362404
ENSMUSG00000081574.2,Gm14429,unprocessed_pseudogene	-1.31698262	0.00938278
ENSMUSG00000021391.11,Cenpp,protein_coding	-1.31728491	0.00331463
ENSMUSG00000103884.2,Gm37005,TEC	-1.31817094	0.01066613
ENSMUSG00000081730.2,Gm13785,processed_pseudogene	-1.31925908	0.0018032
ENSMUSG00000077564.3,Gm23202,snoRNA	-1.31931537	0.20909789
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ENSMUSG00000075010.8,AW112010,lncRNA	-1.33040003	0.30928422
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ENSMUSG00000026480.13,Ncf2,protein_coding	-1.39112405	0.01286688
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ENSMUSG00000026779.7,Mastl,protein_coding	-1.4191348	0.01446703
ENSMUSG00000037321.18,Tap1,protein_coding	-1.42039886	0.06763476
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ENSMUSG00000069516.9,Lyz2,protein_coding	-1.65884859	0.12029747
ENSMUSG00000022468.13,Endou,protein_coding	-1.65887803	0.0547571
ENSMUSG00000117975.2,Itprip,protein_coding	-1.65980175	0.01233848
ENSMUSG00000128280.1,ENSMUSG00000128280,lncRNA	-1.66010076	0.13153492
ENSMUSG00000108557.2,Gm44835,TEC	-1.66026439	0.00043456
ENSMUSG00000018899.18,Irf1,protein_coding	-1.66105268	0.06256953
ENSMUSG00000011008.14,Mcoln2,protein_coding	-1.66157534	0.2661004
ENSMUSG00000065061.3,Gm22884,snoRNA	-1.66606246	0.20913262
ENSMUSG00000021569.11,Trip13,protein_coding	-1.66611445	0.0504328
ENSMUSG00000026011.14,Ctla4,protein_coding	-1.66623904	0.23315765
ENSMUSG00000074403.3,H3c13,protein_coding	-1.66947834	0.0613576
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ENSMUSG00000028044.7,Cks1b,protein_coding	-1.67236455	0.02847864
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ENSMUSG00000024349.11,Sting1,protein_coding	-1.68660851	0.01430052

ENSMUSG00000038670.12,Mybpc2,protein_coding	-1.68703033	0.05954086
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ENSMUSG00000021998.17,Lcp1,protein_coding	-1.69011711	0.0305454
ENSMUSG00000027331.16,Knstrn,protein_coding	-1.6950817	0.01895571
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ENSMUSG00000112023.2,Lilrb4b,protein_coding	-1.70380244	0.19964092
ENSMUSG00000093384.2,Gm20689,processed_pseudogene	-1.70643666	0.12258711
ENSMUSG00000048277.16,Syngr2,protein_coding	-1.70795001	0.02043976
ENSMUSG00000085887.4,Arhgap27os3,lncRNA	-1.70798694	0.15592134
ENSMUSG00000065642.3,Snora69,snoRNA	-1.70803928	0.05302138
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ENSMUSG00000108980.3,Gm45155,lncRNA	-1.71021443	0.0182075
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ENSMUSG00000085399.10,Foxd2os,lncRNA	-1.71444925	0.03176119
ENSMUSG00000109244.2,Gm44751,lncRNA	-1.71866268	0.00225412
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ENSMUSG00000085900.3,A930041C12Rik,lncRNA	-1.71921287	0.19303878
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ENSMUSG00000017861.12,Mybl2,protein_coding	-1.73186658	0.01834526
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ENSMUSG00000106044.3,Gm42860,TEC	-1.74130518	0.01221408
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ENSMUSG00000073555.2,Iigp1c,protein_coding	-1.78635737	0.17897096

ENSMUSG00000027398.14,Il1b,protein_coding	-1.79073308	0.11505411
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ENSMUSG00000131911.1,4933417C20Rik,lncRNA	-1.79511168	0.15176522
ENSMUSG00000022876.19,Samsn1,protein_coding	-1.79827852	0.0371214
ENSMUSG00000027323.11,Rad51,protein_coding	-1.79914053	0.01648195
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ENSMUSG00000097415.5,AU020206,lncRNA	-1.80250993	0.02257541
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ENSMUSG00000056023.5,Gm9989,lncRNA	-2.11380044	0.06074917
ENSMUSG00000034833.11,Tespa1,protein_coding	-2.11625399	0.13395009
ENSMUSG00000041498.15,Kif14,protein_coding	-2.11773356	0.05308219
ENSMUSG00000049539.4,H1f1,protein_coding	-2.1178394	0.01186983
ENSMUSG00000112907.2,Gm47015,lncRNA	-2.11905457	0.10777916
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ENSMUSG00000045826.10,Ptprcap,protein_coding	-2.13201545	0.03211259
ENSMUSG00000129121.1,ENSMUSG00000129121,lncRNA	-2.13459188	0.01098711
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ENSMUSG00000118591.2,Gm52955,protein_coding	-2.77077566	0.05558348
ENSMUSG00000064193.9,Gm4735,transcribed_processed_pseudogene	-2.77322295	0.27098644
ENSMUSG00000104291.2,A130071D04Rik,TEC	-2.79010322	0.03073952
ENSMUSG00000109096.2,Gm44888,TEC	-2.79749512	0.02736795
ENSMUSG00000142292.1,ENSMUSG00000142292,lncRNA	-2.79865681	0.07598109
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ENSMUSG00000120754.2,Gm56536,lncRNA	-3.00896705	0.10444991
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ENSMUSG00000106148.3,Gm32877,lncRNA	-4.0959008	0.04747125
ENSMUSG00000086646.10,Platr20,lncRNA	-4.12111114	0.05140246
ENSMUSG00000057135.13,Scimp,protein_coding	-4.12846985	0.10922
ENSMUSG00000014030.16,Pax5,protein_coding	-4.13074127	0.11623866
ENSMUSG00000022033.10,Pbk,protein_coding	-4.13820813	0.06795145
ENSMUSG00000030365.12,Clec2i,protein_coding	-4.14192442	0.11848059
ENSMUSG00000079455.12,Sp110-ps1,transcribed_unprocessed_pseudogen	-4.15529449	0.02741295
ENSMUSG00000040627.15,Aicda,protein_coding	-4.16258076	0.18248955
ENSMUSG00000052013.16,Btla,protein_coding	-4.17136985	0.10914506
ENSMUSG00000067149.7,Jchain,protein_coding	-4.17313887	0.08694121
ENSMUSG00000126291.1,ENSMUSG00000126291,lncRNA	-4.21707302	0.08424868
ENSMUSG00000031635.15,Anxa10,protein_coding	-4.24207991	0.06929455
ENSMUSG00000128598.1,ENSMUSG00000128598,lncRNA	-4.26991646	0.08309106
ENSMUSG00000141894.1,ENSMUSG00000141894,lncRNA	-4.27042819	0.00335872
ENSMUSG00000095872.8,Gm15128,protein_coding	-4.27546662	0.04584811
ENSMUSG00000079685.11,Ulbp1,protein_coding	-4.27695885	0.05221262
ENSMUSG00000110720.2,Gm46223,processed_pseudogene	-4.28488843	0.01180163
ENSMUSG00000102608.3,Gm37267,lncRNA	-4.28672822	0.01228454
ENSMUSG00000031004.9,Mki67,protein_coding	-4.29388438	0.01038037
ENSMUSG00000114172.2,Gm36298,transcribed_processed_pseudogene	-4.38068801	0.01963679
ENSMUSG00000121478.2,Gm53567,lncRNA	-4.39542638	0.0312567
ENSMUSG00000104982.3,Gm32554,lncRNA	-4.40912455	0.03951155
ENSMUSG00000040084.10,Bub1b,protein_coding	-4.42099971	0.10293586
ENSMUSG00000076613.5,Ighg2b,IG_C_gene	-4.42292646	0.07339232
ENSMUSG00000079190.4,ENSMUSG00000079190,protein_coding	-4.4231045	0.07735961
ENSMUSG00000018168.9,Ikzf3,protein_coding	-4.43209241	0.1118119
ENSMUSG00000118495.2,Gm21011,transcribed_processed_pseudogene	-4.47173267	0.04285028
ENSMUSG00000074731.4,Zfp345,protein_coding	-4.49738989	0.04029358
ENSMUSG00000087107.10,Slfnlnc,lncRNA	-4.55113497	0.11656225
ENSMUSG00000051079.9,Rgs13,protein_coding	-4.55345962	0.15417758
ENSMUSG00000129577.1,ENSMUSG00000129577,lncRNA	-4.55563539	0.12386706
ENSMUSG00000142934.1,ENSMUSG00000142934,lncRNA	-4.60858545	0.04000701
ENSMUSG00000030156.6,Cd69,protein_coding	-4.63580701	0.09809108

ENSMUSG00000134979.1,ENSMUSG00000134979,lncRNA	-4.68015066	0.12096587
ENSMUSG00000106567.3,2010309G21Rik,lncRNA	-4.69836146	0.0665915
ENSMUSG00000136592.1,ENSMUSG00000136592,lncRNA	-4.70138213	0.16937224
ENSMUSG00000097779.5,4833407H14Rik,lncRNA	-4.71754942	0.04036304
ENSMUSG00000119030.1,Rnu1b2,snRNA	-4.77626203	0.39965538
ENSMUSG00000047880.16,Cxcr5,protein_coding	-4.78475834	0.081499
ENSMUSG00000052477.16,Sp140l2,protein_coding	-4.79581467	0.17863507
ENSMUSG00000027246.13,Ell3,protein_coding	-4.837751	0.12143214
ENSMUSG00000040413.16,Timd2,protein_coding	-4.8816781	0.0987683
ENSMUSG00000120432.2,Gm56600,lncRNA	-4.90910558	0.14078138
ENSMUSG00000059994.11,Fcrl1,protein_coding	-4.95124971	0.19526057
ENSMUSG00000069310.5,H3c3,protein_coding	-5.00091081	0.07147525
ENSMUSG00000024353.6,Mzb1,protein_coding	-5.00278602	0.18204341
ENSMUSG00000076615.5,Ighg3,IG_C_gene	-5.00919344	0.19402571
ENSMUSG00000038421.14,Fcrla,protein_coding	-5.01704294	0.11554572
ENSMUSG00000141856.1,ENSMUSG00000141856,lncRNA	-5.02198057	0.09502522
ENSMUSG00000105906.2,Iglc1,IG_C_gene	-5.08705706	0.0934394
ENSMUSG00000040592.12,Cd79b,protein_coding	-5.09226019	0.16433702
ENSMUSG00000030577.15,Cd22,protein_coding	-5.14135033	0.17363592
ENSMUSG00000091199.12,Gm2619,lncRNA	-5.15874582	0.15545235
ENSMUSG00000110266.2,Gm32742,protein_coding	-5.18940282	0.06437114
ENSMUSG00000076612.9,Ighg2c,IG_C_gene	-5.19111102	0.24610582
ENSMUSG00000040405.14,Havcr1,protein_coding	-5.27679997	0.26887411
ENSMUSG00000076937.4,Iglc2,IG_C_gene	-5.30598723	0.08978057
ENSMUSG00000105160.2,A530030E21Rik,TEC	-5.3238708	0.09353017
ENSMUSG00000105547.2,Iglc3,IG_C_gene	-5.41737398	0.05388242
ENSMUSG00000030724.8,Cd19,protein_coding	-5.41887601	0.24690013
ENSMUSG00000111862.2,Gm47828,lncRNA	-5.43440198	0.12718223
ENSMUSG00000118936.1,Gm22614,snRNA	-5.47240267	0.55457534
ENSMUSG00000062783.3,Csprs,protein_coding	-5.48571646	0.12080644
ENSMUSG00000021342.15,Prl,protein_coding	-5.63483758	0.04753919
ENSMUSG00000006948.8,Klk4,protein_coding	-5.64222425	0.19547492
ENSMUSG00000022659.14,Gcsam,protein_coding	-5.72620064	0.19831686
ENSMUSG00000044453.6,Ffar1,protein_coding	-5.76628536	0.05799864
ENSMUSG00000034107.11,Ano7,protein_coding	-6.05518614	0.09372395
ENSMUSG00000042474.7,Fcmr,protein_coding	-6.08926987	0.17076479
ENSMUSG00000024673.10,Ms4a1,protein_coding	-6.34723888	0.244675
ENSMUSG00000020279.11,Il9r,protein_coding	-6.39907836	0.2203244
ENSMUSG00000032053.9,Pou2af1,protein_coding	-6.77725264	0.26678603