LETTER TO THE EDITOR

Multi-omics analysis reveals a unique epigenetic signature in *MYD88* wild-type Waldenström macroglobulinemia

Authors

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Supplemental Material

Article Title: Multi-omics analysis reveals a unique epigenetic signature in *MYD88* wild-type Waldenstrom macroglobulinemia

Running Header: DNA methylation in *MYD88*-WT WM

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Supplemental Table 1: Gene set enrichment analysis evaluating RNA expression comparing patients with *MYD88*^{WT} to *MYD88*^{MUT} WM. Only top 20 positively and negatively enriched pathways are displayed. Normalized enrichment score (NES) and false discovery rate (FDR) indicated per pathway. FDR<0.001 indicated as 0.

NAME	NES	FDR
HALLMARK_E2F_TARGETS	2.86	0
HALLMARK_MYC_TARGETS_V1	2.65	0
REACTOME_SYNTHESIS_OF_DNA	2.47	0
REACTOME_G2_M_CHECKPOINTS	2.46	0
REACTOME_CELL_CYCLE_MITOTIC	2.41	0
HALLMARK_G2M_CHECKPOINT	2.40	0
REACTOME_THE_ROLE_OF_GTSE1_IN_G2_M_PROGRESSION_AFTER_G2_CHECKPOINT	2.40	0
REACTOME_DNA_REPLICATION	2.40	0
REACTOME_CELL_CYCLE_CHECKPOINTS	2.39	0
REACTOME_ABC_TRANSPORTER_DISORDERS	2.38	0
REACTOME_S_PHASE	2.38	0
REACTOME_SCF_SKP2_MEDIATED_DEGRADATION_OF_P27_P21	2.38	0
REACTOME_MITOTIC_G2_G2_M_PHASES	2.38	0
REACTOME_DEFECTIVE_CFTR_CAUSES_CYSTIC_FIBROSIS	2.36	0
REACTOME_SCF_BETA_TRCP_MEDIATED_DEGRADATION_OF_EMI1	2.36	0
REACTOME_APC_C_MEDIATED_DEGRADATION_OF_CELL_CYCLE_PROTEINS	2.33	0
REACTOME_NEGATIVE_REGULATION_OF_NOTCH4_SIGNALING	2.31	0
REACTOME_TRANSCRIPTIONAL_REGULATION_BY_RUNX2	2.31	0
REACTOME_AUF1_HNRNP_D0_BINDS_AND_DESTABILIZES_MRNA	2.31	0
REACTOME_CHROMOSOME_MAINTENANCE	2.30	0
HALLMARK_TNFA_SIGNALING_VIA_NFKB	-2.31	0
KEGG_CYTOKINE_CYTOKINE_RECEPTOR_INTERACTION	-2.30	0
KEGG_HEMATOPOIETIC_CELL_LINEAGE	-2.04	0.001
BIOCARTA_TOB1_PATHWAY	-2.04	0.001
HALLMARK_COMPLEMENT	-2.03	0.002
KEGG_GRAFT_VERSUS_HOST_DISEASE	-2.02	0.002
HALLMARK_ALLOGRAFT_REJECTION	-1.96	0.007
KEGG_INTESTINAL_IMMUNE_NETWORK_FOR_IGA_PRODUCTION	-1.94	0.008
BIOCARTA_INFLAM_PATHWAY	-1.92	0.011
HALLMARK_INFLAMMATORY_RESPONSE	-1.92	0.010
KEGG_ALLOGRAFT_REJECTION	-1.92	0.010
KEGG_TYPE_I_DIABETES_MELLITUS	-1.88	0.017
BIOCARTA_CTLA4_PATHWAY	-1.88	0.016
REACTOME_KIDNEY_DEVELOPMENT	-1.86	0.021
REACTOME_COSTIMULATION_BY_THE_CD28_FAMILY	-1.85	0.024
REACTOME_CHEMOKINE_RECEPTORS_BIND_CHEMOKINES	-1.84	0.023
HALLMARK_IL6_JAK_STAT3_SIGNALING	-1.84	0.023
KEGG_AUTOIMMUNE_THYROID_DISEASE	-1.83	0.026
REACTOME_RAC1_GTPASE_CYCLE	-1.82	0.029
BIOCARTA_ALK_PATHWAY	-1.82	0.028