Gene expression profiling identifies a subset of adult T-cell acute lymphoblastic leukemia with myeloid-like gene features and over-expression of miR-223

Sabina Chiaretti,¹ Monica Messina,¹ Simona Tavolaro,¹ Giuseppe Zardo,² Loredana Elia,¹ Antonella Vitale,¹ Alessandro Fatica,³ Paolo Gorello,⁴ Alfonso Piciocchi,⁵ Gina Scappucci,⁶ Irene Bozzoni,³ Claudio Fozza,⁻ Anna Candoni,⁶ Anna Guarini,¹ and Robin Foà¹

¹Division of Hematology, Department of Cellular Biotechnologies and Hematology, "Sapienza" University of Rome; ²Division of Clinical Biochemistry, Department of Cellular Biotechnologies and Hematology, "Sapienza" University of Rome; ³Department of Genetics and Molecular Biology, "Sapienza", University of Rome; ⁴Unit of Hematology and Bone Marrow Transplantation, University of Perugia; ⁵GIMEMA Data Center, Rome; ⁶Division of Molecular Genetics, Department of Cellular Biotechnologies and Hematology, "Sapienza" University of Rome, and ⁷Institute of Hematology, University of Sassari, and ⁸Clinica Ematologica, Policlinico Universitario, Udine, Italy

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High in Myeloid-like cluster						
Probe set	Gene Symbol	Accession	Entrez Gene ID	Cytoband	p-value	
218520_at	TBK1	NM 013254	29110	12q14.1	1,85E-11	
207072_at	IL18RAP	NM 003853		2q12	1,90E-11	
1554406 a at	CLEC7A	BC013385	64581	12p13.2	2,26E-11	
213524_s_at	G0S2	NM 015714		1q32.2 1q32.2-q41	2,93E-11	
220088 at	C5AR1	NM 001736		19q13.3-q13.4	3,08E-11	
213300 at	ATG2A	AW168132	23130	11q13.1	4,38E-11	
217916 s at	FAM49B	NM_016623		8q24.21	5,47E-11	
1555756 a at	CLEC7A	AF400600	64581	12p13.2	2,30E-10	
210785 s at	C1orf38	AB035482	9473	1p35.3	2,33E-10	
201858 s at	SRGN	J03223	5552	10q22.1	2,53E-10	
208704 x at	APLP2	BC000373	334	11q23-q25 11q24	3,78E-10	
217992 s_at	EFHD2	NM 024329		1p36.21	3,84E-10	
221698 s at	CLEC7A	AF313468	64581	12p13.2	4,36E-10	
203185 at	RASSF2	NM 014737		20pter-p12.1	4,73E-10	
202859_x_at	IL8	NM 000584		4q13-q21	5,46E-10	
223376 s at	BRI3	AB055977	25798	7q21.3	5,60E-10	
200663_at	CD63	NM 001780		12q12-q13	5,77E-10	
208248 x at	APLP2	NM 001642	334	11q23-q25 11q24	6,84E-10	
220404_at	GPR97	NM_014076		16q13	7,14E-10	
222483 at	EFHD2	AW664179	79180	1p36.21	7,53E-10	
204351_at	S100P	NM 005980		4p16	1,07E-09	
208869_s_at	GABARAPL1	AF087847	23710	12p13.2	1,09E-09	
207571_x_at	C1orf38	NM 004848	9473	1p35.3	1,25E-09	
226123_at	CHD7	AI870918	55636	8q12.2	1,65E-09	
220034 at	IRAK3	NM 007199	11213	12q14.3	1,89E-09	
204122 at	TYROBP	NM 003332	7305	19q13.1	3,01E-09	
205180 s at	ADAM8	NM 001109	101	10q26.3	3,36E-09	
202391 at	BASP1	NM 006317	10409	5p15.1-p14	3,58E-09	
204181 s at	ZBTB43	T90308	23099	9q33-q34	4,15E-09	
212531_at	LCN2	NM 005564		9q34	5,66E-09	
228588 s at	UBE2B	Al499236	7320	5q23-q31	5,83E-09	
214084_x_at	LOC648998	AW072388			6,97E-09	
221156 x at	CCPG1	NM 004748	9236	15q21.1	8,56E-09	
203765_at	GCA	NM_012198	25801	2q24.2	8,78E-09	
217947_at	CMTM6	NM_017801	54918	3p22.3	8,90E-09	
201110_s_at	THBS1	NM_003246	7057	15q15	1,13E-08	
221675_s_at	CHPT1	AF195624	56994	12q	1,14E-08	
227184_at		BF508702			1,17E-08	
212501 at	CEBPB	AL564683	1051	20q13.1	1,31E-08	
205119 s at	FPR1	NM_002029	2357	19q13.4	1,94E-08	
201136_at	PLP2	NM_002668	5355	Xp11.23	1,97E-08	
201087_at	PXN		5829	12q24.31	2,25E-08	
220330_s_at	SAMSN1	NM_022136		21q11	2,41E-08	
209222 s at	OSBPL2	BC000296	9885	20q13.3	3,30E-08	
202114_at	SNX2	NM_003100	6643	5q23	3,55E-08	

202130_at	RIOK3	AA725102	8780	18q11.2	(3,62E-08
201155_s_at	MFN2	NM_014874	9927	1p36.22	4	4,96E-08
231990_at	USP15	AK023703	9958	12q14		5,51E-08
227073_at		N50665	10746			5,82E-08
217739_s_at	NAMPT	NM_005746	10135	7q22.2	(3,23E-08
202388_at	RGS2	NM_002923	5997	1q31	(6,54E-08
214696_at	C17orf91	AF070569	84981	17p13.3	(6,55E-08
201061_s_at	STOM	M81635	2040	9q34.1	7	7,21E-08
208308 s at	GPI /// LOC1001	3NM_000175	2821	19q13.1	7	7,25E-08
202018 s at	LTF	NM_002343	4057	3p21.31	7	7,94E-08
211458 s at	GABARAPL1 ///	CAF180519	23710 ///	212p13.2 /// 15q26.1	8	3,10E-08
227983_at	RILPL2	AI810244	196383	12q24.31	1	3,12E-08
221484_at	B4GALT5	BF691447	9334	20q13.1-q13.2	8	3,36E-08
211926_s_at	MYH9	AI827941	4627	22q13.1	8	3,43E-08
225192_at	C10orf46	AA044726	143384	10q26.11	Ş	9,07E-08
200954 at	ATP6V0C	NM_001694	527	16p13.3	9	9,15E-08
222619 at	ZNF281	AU150752	23528	1q32.1	9	9,21E-08
210980 s at	ASAH1	U47674	427	8p22-p21.3		1,02E-07
223423 at	GPR160	BC000181	26996	3q26.2-q27		1,03E-07
219582_at	OGFRL1	NM_024576		6q13		1,06E-07
212975_at	DENND3	AB020677	22898	8q24.3		1,06E-07
223047 at	CMTM6	AF116694	54918	3p22.3		1,08E-07
207945 s at	CSNK1D	NM 001893		17q25		1,14E-07
201925 s at	CD55	NM_000574	1604	1q32		1,19E-07
1552773 at	CLEC4D	BC032313	338339	12p13.31		1,23E-07
36994 at	ATP6V0C	M62762	527	16p13.3		1,42E-07
202625 at	LYN	Al356412	4067	8q13		1,46E-07
213902_at	ASAH1	Al379338	427	8p22-p21.3		1,52E-07
221654_s_at	USP3	AF077040	9960	15q22.3		1,53E-07
226979_at	MAP3K2	Al125541	10746	2q14.3		1,70E-07
226876_at	FAM101B	AI961778	359845	17p13		1,80E-07
202848_s_at	GRK6	BG423052	2870	5q35		1,85E-07
218871 x at	CSGALNACT2	NM 018590		10q11.21		2,11E-07
207269_at	DEFA4	NM_001925	1669	8p23		2,35E-07
218091_at	AGFG1	AI989512	3267	2q36.3		2,47E-07
204158_s_at	TCIRG1	NM 006019	10312	11q13.2		2,77E-07
227150_at	MTF1	N46867	4520	1p33		2,79E-07
218217 at	SCPEP1	NM_021626	59342	17q22		3,10E-07
204232 at	FCER1G	NM_004106	2207	1q23		3,25E-07
213702_x_at	ASAH1	Al934569	427	8p22-p21.3		3,36E-07
200766 at	CTSD	NM_001909	1509	11p15.5		3,37E-07
1555419 a at	ASAH1	BC016828	427	8p22-p21.3		3,43E-07
201109 s at	THBS1	AV726673	7057	15q15		3,65E-07
200989 at	HIF1A	NM 001530	3091	14q21-q24		3,73E-07
225154 at	SYAP1	BG029566	94056	Xp22.2		3,73E-07
202442 at	AP3S1	NM 001284	1176	5q22		3,95E-07
201999 s at	DYNLT1	NM 006519	6993	6q25.2-q25.3		3,99E-07
1554899 s at	FCER1G	BC020763	2207	1q23		4,00E-07
225282_at	SMAP2	AL137764	64744	1p35.3-p34.1		4,09E-07
200798 x at	MCL1	NM_021960	4170	1q21		4,25E-07
208702 x at	APLP2	AI525212	334	11q23-q25 11q24		4,42E-07
211275 s at	GYG1	AF087942	2992	3q24-q25.1		4,56E-07
201244 s at	RAF1	NM 002880	5894	3p25		4,57E-07
219434_at	TREM1	NM_018643		6p21.1		4,63E-07

			212.		100 2000 200
221840_at	PTPRE	AA775177	5791	10q26	4,96E-07
201471_s_at	SQSTM1	NM_003900	8878	5q35	5,20E-07
202362_at	RAP1A	NM_002884	5906	1p13.3	5,30E-07
224164_at	TPM3	AY004867	7170	1q21.2	5,53E-07
217738_at	NAMPT	BF575514	10135	7q22.2	5,57E-07
209949_at	NCF2	BC001606	4688	1q25	5,61E-07
223199_at	MKNK2	AA404592	2872	19p13.3	5,87E-07
210754_s_at	LYN	M79321	4067	8q13	5,93E-07
203761_at	SLA	NM_006748	6503	8q22.3-qter 8q24	6,17E-07
215223_s_at	SOD2	W46388	6648	6q25.3	6,89E-07
200078_s_at	ATP6V0B	BC005876	533	1p32.3	7,05E-07
226554_at	ZBTB7A	AW445134	51341	19p13.3	7,17E-07
203167_at	TIMP2	NM_003255	7077	17q25	7,32E-07
201422 at	IFI30	NM_006332		19p13.1	7,42E-07
203175_at	RHOG	NM_001665	391	11p15.5-p15.4	7,63E-07
200998 s at	CKAP4	AW029619	10970	12g23.3	7,71E-07
214575 s at	AZU1	NM 001700	566	19p13.3	8,14E-07
205681_at	BCL2A1	NM 004049	597	15q24.3	8,72E-07
208943 s at	SEC62	U93239	7095	3q26.2	8,92E-07
225373_at	C10orf54	BE271644	64115	10q22.1	8,93E-07
203508_at	TNFRSF1B	NM 001066	7133	1p36.3-p36.2	9,20E-07
204961_s_at	LOC648998 /// N	는 사람들이 발표 하다 면 하면 되었다면 보다 있습니다.		7q11.23	9,24E-07
206245 s at	IVNS1ABP	NM_006469	10625	1q25.1-q31.1	9,27E-07
209184 s at	IRS2	BF700086	8660	13q34	9,28E-07
206157_at	PTX3	NM_002852	5806	3q25	9,35E-07
207802_at	CRISP3	NM 006061	10321	6p12.3	9,43E-07
200655_s_at	CALM1 /// CALM		801	14q24-q31 /// 19q13.2-q13.3 /// 2p	
224796 at	ASAP1	W03103	50807	8q24.1-q24.2	9,59E-07
201285_at	MKRN1	NM_013446	23608	7q34	1,06E-06
	IL8		3576	[1] [1] [1] [1] [4] [1] [1] [1] [1] [1] [1] [1] [1] [1] [1	
211506_s_at		AF043337		4q13-q21	1,06E-06
213350_at	RPS11	BF680255 NM 002709	6205	19q13.3	1,07E-06
201409_s_at	PPP1CB		5500	2p23	1,16E-06
201963_at	ACSL1	NM_021122	2180	4q34-q35	1,20E-06
222235_s_at	CSGALNACT2	AL139812	55454	10q11.21	1,21E-06
225287_s_at	TMEM55B	AI992151	90809	14q11.2	1,22E-06
224897_at	WDR26	BF510490	80232	1q42.11	1,32E-06
205831_at	CD2	NM_001767	914	1p13	1,32E-06
235536_at	SNORD89	AI640483	440892	2q11.2	1,33E-06
228153_at	RNF144B	AI953847	255488	6p22.3	1,33E-06
225612_s_at	B3GNT5	BE672260	84002	3q28	1,40E-06
224573_at	RNASEK	BE744389	440400	17p13.1	1,40E-06
244492_at		BF357738	6503		1,41E-06
226267_at	JDP2	AA716425	122953	14q24.3	1,42E-06
227935_s_at	PCGF5	AA522681	84333	10q23.32	1,50E-06
219402_s_at	DERL1	NM_024295	79139	8q24.13	1,50E-06
226275_at	MXD1	AI188653	4084	2p13-p12	1,51E-06
266_s_at	CD24	L33930	934	6q21	1,53E-06
202084_s_at	SEC14L1	NM_003003	6397	17q25.1-q25.2	1,55E-06
201336_at	VAMP3	BC003570	9341	1p36.23	1,58E-06
209771_x_at	CD24	AA761181	934	6q21	1,59E-06
223880_x_at	C20orf24	BC004446	55969	20q11.23	1,67E-06
224791_at	ASAP1	AW513835	50807	8q24.1-q24.2	1,67E-06
1555638_a_at	SAMSN1	AF519621	64092	21q11	1,72E-06
1554149_at	CLDND1	BC013610	56650	3q12.1	1,77E-06

202228_s_at						
22762_lat WTAP BE464729 9689 6q25-q27 1,86E-06 40446_at PHFI AL021366 5252 6p21.3 1,86E-06 217835_xat C20orf24 NM_01880 55969 20q11.23 1,93E-06 202537_sat CHMP2B AF151842 25978 3p11.2 1,95E-06 1554390_sat ACTR2 BC0365051 10077 2p14 2,10E-06 200653_sat CALMI /// CALM/M27319 801 14q22+q31 /// 19q13.2-q13.3 /// 2p2 2,19E-06 205403_at ILTR2 NM_006235 8613 19p13.3-p13.2 2,33E-06 208438_sat FGR NM_005248 2268 1p36.2-p36.1 2,41E-06 208552_at C10r162 AW662189 128346 1p13.2 2,74E-06 208571_at LACXSAP NM_001629 241 13q12 2,95E-06 208438_sat FGR NM_001629 241 13q12 2,95E-06 20417_sat ALOXSAP NM_001629 241 13q12 2,95E-06	202228_s_at	NPTN	NM_017455	27020	15q22	1,78E-06
22762_lat WTAP BE464729 9689 6q25-q27 1,86E-06 40446_at PHFI AL021366 5252 6p21.3 1,86E-06 217835_xat C20orf24 NM_01880 55969 20q11.23 1,93E-06 202537_sat CHMP2B AF151842 25978 3p11.2 1,95E-06 1554390_sat ACTR2 BC0365051 10077 2p14 2,10E-06 200653_sat CALMI /// CALM/M27319 801 14q22+q31 /// 19q13.2-q13.3 /// 2p2 2,19E-06 205403_at ILTR2 NM_006235 8613 19p13.3-p13.2 2,33E-06 208438_sat FGR NM_005248 2268 1p36.2-p36.1 2,41E-06 208552_at C10r162 AW662189 128346 1p13.2 2,74E-06 208571_at LACXSAP NM_001629 241 13q12 2,95E-06 208438_sat FGR NM_001629 241 13q12 2,95E-06 20417_sat ALOXSAP NM_001629 241 13q12 2,95E-06	226970 at	FBXO33	AI690694	254170	14q21.1	1,81E-06
A0446 at ALO21366 5252 6p21.3 1,86E-06	227621 at	WTAP	BE464729	9589	가게 가입해입다 (mb.) 전에	1.86E-06
21783_x_at C20orf24 NM_018840 59699 20q11.23 1,93E-06 202537_s_at CHMP2B AF151842 25978 3p11.2 1,95E-06 15242_at TUBA4A AL565074 7277 2q35 1,97E-06 1554390_s_at ACTR2 BC036253 10097 2p14 2,10E-06 200653_s_at DKIRS BC36366 23533 17p13.1 19q13.2-q13.3/// 19q13.2-q13.3/// 2p2.1,19E-06 205403_at LLTR2 NM_006239 281422_x_at 17SND1 Al345813 219743 10q22_1 2,33E-06 204417_at C10r1f162 AW662189 128346 1p13.2 2,74E-06 206871_at ELA2 NM_001629 241 13q12 2,95E-06 207785_s_at RGR NM						
202537_s_at						
212242_aft TUBA4A AL565074 7277 2q35 1,97E-06 1554390_s_aft ACTR2 BC036253 10097 2p14 2,10E-06 207645_aft PIK385 BG236366 23533 17p13.1 2,16E-06 209367_aft STXBP2 STXBP2 813 19p13.3-p13.2 2,33E-06 205403_aft IL1R2 NM_004633 7850 2q12-q22 2,37E-06 205433_aft IL1R2 NM_004633 7850 2q12-q22 2,37E-06 205433_aft FGR NM_005248 2268 1p36.2-p36.1 2,41E-06 208438_aft FGR NM_005248 2268 1p36.2-p36.1 2,41E-06 216379_x_at C10r162 AW662189 128346 1p13.2 2,74E-06 216379_x_at C10r162 AW662189 1241 13q12 2,99E-06 204177_at ALOX5AP NM_001629 241 13q12 2,99E-06 205871_at ELA2 NM_0015787 3516 4p15.2 3,38E-06 </td <td></td> <td></td> <td></td> <td></td> <td>7 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -</td> <td></td>					7 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	
1554390_s_at ACTR2 BC036253 10097 2p14 2,10E-06 227645_at PIK3R5 BG236366 23533 17p13.1 2,16E-06 209367_at STXBP2 AB002559 8813 19p13.3-p13.2 2,33E-06 205403_at IL1R2 NM_004633 7850 2q12-q22 2,33E-06 231422_x_at TYSND1 Al345813 219743 10q22.1 2,33E-06 228532_at C10f162 AW662189 128346 1p13.2 2,74E-06 26877_at CD24 AK000168 934 6q21 2,95E-06 204174_at ALOX5AP NM_001629 241 13q12 2,99E-06 203398_at C9orf89 BC004500 84270 9q22.31 3,12E-06 207795_s_at RBPJ NM_015874 3516 4p15.2 3,38E-06 207795_s_at RBPJ NM_003909 895 8q21.3 3,42E-06 20119_s_at CPNE3 NM_003909 895 8q21.3 3,45E-06						
227645_at PIK3R5 BG236366 23533 17p13.1 2,16E-06 200653_s_at CALM1 /// CALM/M27319 801 14q24-q31 /// 19q13.2-q13.3 /// 2p22,19E-06 209367_at STXBP2 AB002559 6813 19p13.3-p13.2-q13.3 /// 2p22 2,33E-06 231422_x_at TYSND1 Al345813 219743 10q22.1 2,38E-06 28532_at C1orlf62 AW662189 128346 1p13.2 2,74E-06 28532_at C1orlf62 AW662189 128346 1p13.2 2,74E-06 216379_x_at CD24 AK00168 934 6q21 2,95E-06 204174_at ALOX5AP NM_001629 241 13q12 2,99E-06 213398_at C9orf89 BC004500 84270 9q22.31 3,12E-06 227399_at YOD1 Al982535 55432 1q32.1 3,38E-06 202119_s_at CPNE3 NM_003909 8895 8q21.3 3,4E-06 206177_s_at ARG1 NM_0062426 9262 2q32.3 3,5E-06	THE RESIDENCE OF STREET STREET, THE PARTY OF					
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229101_at LOC150166 Al963142 150166 22q11.21 1,05E-05 217977_at SEPX1 NM_016332 51734 16p13.3 1,05E-05 201401_s_at ADRBK1 M80776 156 11q13.1 1,06E-05 201926_s_at CD55 BC001288 1604 1q32 1,07E-05 201425_at ALDH2 NM_000690 217 12q24.2 1,08E-05 205627_at CDA NM_001785 978 1p36.2-p35 1,10E-05 223553_s_at DOK3 BC004564 79930 5q35.3 1,12E-05 212360_at AMPD2 Al916249 271 1p13.3 1,14E-05 226294_x_at FAM91A1 Al245517 157769 8q24.13 1,16E-05 203922_s_at CYBB Al308863 1536 Xp21.1 1,16E-05 209333_s_at UBE2B AA877765 7320 5q23-q31 1,17E-05 209300_s_at NECAP1 BC002888 25977 12p13.31 1,25E-05 <tr< td=""><td></td><td>IRS2</td><td>AF073310</td><td>8660</td><td></td><td></td></tr<>		IRS2	AF073310	8660		
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223553_s_at DOK3 BC004564 79930 5q35.3 1,12E-05 212360_at AMPD2 Al916249 271 1p13.3 1,14E-05 226294_x_at FAM91A1 Al245517 157769 8q24.13 1,16E-05 203922_s_at CYBB Al308863 1536 Xp21.1 1,16E-05 202333_s_at UBE2B AA877765 7320 5q23-q31 1,17E-05 219033_at PARP8 NM_024615 79668 5q11.1 1,23E-05 209300_s_at NECAP1 BC002888 25977 12p13.31 1,25E-05 211764_s_at UBE2D1 BC005980 7321 10q11.2-q21 1,25E-05	201425_at	ALDH2	NM_000690	217	12q24.2	1,08E-05
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226294_x_at FAM91A1 Al245517 157769 8q24.13 1,16E-05 203922_s_at CYBB Al308863 1536 Xp21.1 1,16E-05 202333_s_at UBE2B AA877765 7320 5q23-q31 1,17E-05 219033_at PARP8 NM_024615 79668 5q11.1 1,23E-05 209300_s_at NECAP1 BC002888 25977 12p13.31 1,25E-05 211764_s_at UBE2D1 BC005980 7321 10q11.2-q21 1,25E-05	212360 at	AMPD2	AI916249	271	1p13.3	1,14E-05
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209300_s_at NECAP1 BC002888 25977 12p13.31 1,25E-05 211764_s_at UBE2D1 BC005980 7321 10q11.2-q21 1,25E-05		PARP8	NM 024615	79668	[14] [14] [14] [14] [15] [15] [15]	
211764_s_at UBE2D1 BC005980 7321 10q11.2-q21 1,25E-05					[전하시] [10] (10] (10] (10] (10] (10] (10] (10] ([1] A [7] B [1] B [1] B [2] B [3] B [4]
- 1978-1978-1978-1979-1979-1979-1979-1979-						
200031 X dt CD24 1930004 934 0021	208651_x_at	CD24	M58664	934	6q21	1,26E-05
219938 s at PSTPIP2 NM_024430 9050 18q12 1,28E-05						
202131_s_at RIOK3 NM_003831 8780 18q11.2 1,29E-05						
207275 s at ACSL1 NM 001995 2180 4q34-q35 1,32E-05						
205237_at FCN1 NM_002003 2219 9q34 1,32E-05						

202072 at	HNRNPL	NM_001533	3191	19q13.2	1,33E-05
221485 at	B4GALT5	AL035683	9334	20q13.1-q13.2	1,34E-05
208724 s at	RAB1A	BC000905	5861	2p14	1,39E-05
202538_s_at	CHMP2B	NM 014043		3p11.2	1,40E-05
			5048		일이 아이를 하게 되었다.
200815_s_at	PAFAH1B1	L13386	5046	17p13.3	1,40E-05
226789_at	LOC647121	W84421	22002	1p11.2	1,42E-05
202302_s_at	RSRC2	NM_023012		12q24.31	1,46E-05
204160_s_at	ENPP4	AW194947	22875	6p12.3	1,48E-05
200958_s_at	SDCBP	NM_005625	6386	8q12	1,48E-05
203234 at	UPP1	NM 003364	7378	7p12.3	1,49E-05
224905 at	WDR26	AA482548	80232	1q42.11	1,50E-05
226905 at	FAM101B	BG036514	359845	17p13	1,51E-05
212041 at	ATP6V0D1	AL566172	9114	16q22	1,52E-05
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205863_at	S100A12	NM_005621	6283	1921	1,53E-05
223160_s_at	SMEK1	AK024297	55671	14q32.12	1,55E-05
200808_s_at	ZYX	NM_003461	7791	7q32	1,60E-05
225390_s_at	KLF13	AL390127	51621	15q12	1,60E-05
205786_s_at	ITGAM	NM_000632	3684	16p11.2	1,69E-05
225347 at	ARL8A	AL520984	127829	1q32.1	1,72E-05
209892 at	FUT4	AF305083	2526	11q21	1,73E-05
225434_at	DEDD2	AW245401	162989	19q13.2	1,75E-05
210592_s_at	SAT1	M55580	6303	Xp22.1	1,78E-05
218157_x_at	CDC42SE1	NM 020239	56882	1q21.2	1,78E-05
201898_s_at	UBE2A	AI126625	7319	Xq24-q25	1,84E-05
204789_at	FMNL1	NM_005892		17q21	1,84E-05
204970_s_at	MAFG	NM_002359		17q25.3	1,95E-05
209514_s_at	RAB27A	BE502030	5873	15q15-q21.1	1,97E-05
228834_at	TOB1	BF240286	10140	17q21	1,98E-05
212120_at	RHOQ	BE897886	23433	2p21	2,01E-05
202205_at	VASP	NM_003370	7408	19q13.2-q13.3	2,05E-05
229120 s at	CDC42SE1	BG150636	56882	1q21.2	2,06E-05
212723_at	JMJD6	AK021780	23210	17q25	2,16E-05
226683 at	SNX18	AU146771	112574	5q11.2	2,21E-05
204500_s_at	AGTPBP1	NM 015239		9q21.33	2,27E-05
201040_at	GNAI2	NM_002070		3p21	2,30E-05
235242_at		BE739287			2,36E-05
201354_s_at	BAZ2A	AA788652	11176	12g24.3-gter	2,37E-05
	USP8				2,38E-05
229501_s_at		AI393759	373509	15q21.2	
222199_s_at	BIN3	AK001289	55909	8p21.3	2,41E-05
214246_x_at	MINK1	AI859060	50488	17p13.2	2,42E-05
227131_at	MAP3K3	BG231756	4215	17q23.3	2,46E-05
202096_s_at	TSPO	NM_000714	706	22q13.31	2,48E-05
200911_s_at	TACC1	NM_006283	6867	8p11	2,64E-05
218319_at	PELI1	NM_020651	57162	2p13.3	2,64E-05
205322 s at	MTF1	AW182367	4520	1p33	2,71E-05
204859 s at	APAF1	NM_013229	317	12q23	2,75E-05
203127 s at	SPTLC2	BC005123	9517	14q24.3-q31	2,77E-05
224891_at	FOXO3	AV725666	2309	6q21	2,82E-05
219357 at	GTPBP1	NM_014027	9567	22q13.1	2,83E-05
224787_s_at	RAB18		22931	J. S. (1997) 1977 1978 1	
		AI333232		10p12.1	2,85E-05
227129_x_at	tcag7.907	AW006934	284701 ///	1987 M 200 M 1987 M	2,92E-05
209515_s_at	RAB27A	U38654	5873	15q15-q21.1	2,96E-05
211676_s_at	IFNGR1	AF056979	3459	6q23.3	2,97E-05
217728_at	S100A6	NM_014624	6277	1q21	3,00E-05

20222	20222		2000		
210951_x_at	RAB27A	AF125393	5873	15q15-q21.1	3,02E-05
234989_at	NCRNA00084	AV699657	283131	11q13.1	3,04E-05
201010_s_at	TXNIP	NM_006472	10628	1q21.1	3,08E-05
226307_at	CRTC2	AW504757	200186	1q21.3	3,13E-05
203907_s_at	IQSEC1	NM_014869	9922	3p25.1	3,20E-05
228812_at	***	AI652899			3,22E-05
204912_at	IL10RA	NM_001558	3587	11q23	3,26E-05
227769 at		AI703476	2850		3,28E-05
212990 at	SYNJ1	AB020717	8867	21q22.2	3,30E-05
207857_at	LILRA2	NM 006866	11027	19q13.4	3,33E-05
211429_s_at	SERPINA1	AF119873	5265	14q32.1	3,37E-05
202727_s_at	IFNGR1	NM 000416		6q23.3	3,38E-05
	CTSS	NM_004079		5.4 G (T) (T) (T) (T)	3,39E-05
202902_s_at				1921	
235317_at	LOC284454	AW975045	284454	19p13.13	3,43E-05
221756_at	PIK3IP1	AL540260	113791	22q12.2	3,46E-05
203799_at	CD302	NM_014880	9936	2q24.2	3,52E-05
211924_s_at	PLAUR	AY029180	5329	19q13	3,58E-05
202083_s_at	SEC14L1	AI017770	6397	17q25.1-q25.2	3,74E-05
200678_x_at	GRN	NM_002087	2896	17q21.32	3,97E-05
200706_s_at	LITAF	NM_004862	9516	16p13.13	4,10E-05
203760_s_at	SLA	U44403	6503	8q22.3-qter 8q24	4,32E-05
203936 s at	MMP9	NM 004994	4318	20q11.2-q13.1	4,36E-05
203574 at	NFIL3	NM 005384	4783	9q22	4,38E-05
218603_at	HECA	NM_016217		6q23-q24	4,39E-05
39854 r at	PNPLA2	AF055000	57104	11p15.5	4,48E-05
210648 x at	SNX3	AB047360	8724	6q21	4,48E-05
202530_at	MAPK14			6p21.3-p21.2	4,60E-05
202381_at	ADAM9	NM 003816		8p11.23	4,68E-05
203949 at	MPO	NM_000250	4353	17q23.1	4,69E-05
202446_s_at	PLSCR1	Al825926	5359	3q23	4,75E-05
204622_x_at	NR4A2	NM_006186	4929	2q22-q23	4,76E-05
209545_s_at	RIPK2	AF064824	8767	8q21	4,78E-05
213733_at	MYO1F	BF740152	4542	19p13.3-p13.2	4,80E-05
201443_s_at	ATP6AP2	AF248966	10159	Xp11.4	4,81E-05
201531_at	ZFP36	NM_003407		19q13.1	4,83E-05
205568_at	AQP9	NM_020980	366	15q22.1-q22.2	4,83E-05
204446_s_at	ALOX5	NM_000698		10q11.2	5,04E-05
211742_s_at	EVI2B	BC005926	2124	17q11.2	5,10E-05
212408_at	TOR1AIP1	AK023204	26092	1q24.2	5,15E-05
221764_at	C19orf22	AL574186	91300	19p13.3	5,16E-05
225364_at	STK4	BE222274	6789	20q11.2-q13.2	5,28E-05
216041_x_at	GRN	AK023348	2896	17q21.32	5,28E-05
227020 at	YPEL2	BE502982	388403	17q22	5,44E-05
222408 s at	YPEL5	BC000836	51646	2p23.1	5,52E-05
1555745 a_at	LYZ	U25677	4069	12q15	5,52E-05
206174_s_at	PPP6C	NM 002721	5537	9q33.3	5,54E-05
225899 x at	LOC388312	AL040396	284701	1p36.33	5,59E-05
204265 s at	GPSM3	NM_022107		6p21.3	5,62E-05
202863_at	SP100	NM_003113	6672	2q37.1	5,65E-05
224856_at	FKBP5	W86302	2289	6p21.3-p21.2	5,68E-05
212240 s at	PIK3R1	AI679268	5295	5q13.1	5,69E-05
			10724		
200898_s_at	MGEA5	AK002091		10q24.1-q24.3	6,03E-05
203140_at	BCL6	NM_001706		3q27	6,03E-05
200696_s_at	GSN	NM_000177	2934	9q33	6,13E-05

224707_at	C5orf32	AL522667	84418	5q31.3	6,20E-05
225043 at	SLC15A4	AW304786	121260	12q24.32	6,30E-05
223145_s_at	AKIRIN2	BC000764	55122	6q15	6,42E-05
214578 s at	ROCK1	AV683882		18q11.1	6,58E-05
223179_at	YPEL3	BC005009	83719	16p11.2	6,59E-05
216248_s_at	NR4A2	S77154	4929	2q22-q23	6,71E-05
204924_at	TLR2	NM_003264	7097	4q32	6,72E-05
221765_at	UGCG	AI378044	(0.200.0)	9q31	6,73E-05
213975_s_at	LYZ	AV711904	10859 ///		6,80E-05
202803_s_at	ITGB2	NM 000211	3689	21q22.3	6,95E-05
200966 x at	ALDOA	NM 000034	226	16p11.2	7,00E-05
204118 at	CD48	NM 001778	962	1q21.3-q22	7,02E-05
235568 at	C19orf59	BF433657	199675	19p13.2	7,15E-05
222646_s_at	ERO1L	AW268365	30001	14q22.1	7,15E-05
218723 s at	C13orf15	NM 014059	28984	13q14.11	7,31E-05
201200 at	CREG1	NM 003851	8804	1g24	7,33E-05
203923 s at	CYBB	NM 000397	1536	Xp21.1	7,36E-05
208959 s at	TXNDC4	BC005374	23071	9q31.1	7,40E-05
226711_at	FOXN2	BF590117	3344	2p22-p16	7,50E-05
211284 s at	GRN	BC000324	2896	17q21.32	7,57E-05
206515_at	CYP4F3	NM 000896	4051	19p13.2	7,64E-05
218346 s at	SESN1	NM_014454	27244	6q21	7,64E-05
212457_at	TFE3	AL161985	7030	Xp11.22	7,65E-05
207667_s_at	MAP2K3	NM_002756	5606	17q11.2	7,75E-05
201408_at	PPP1CB	W67887	5500	2p23	7,84E-05
1555847_a_at	LOC284454	BU617052	284454	19p13.13	8,17E-05
223144_s_at	AKIRIN2	BC000764	55122	6q15	8,25E-05
203021_at	SLPI	NM_003064	6590	20q12	8,46E-05
208671_at	SERINC1	AF164794	57515	6q22.31	8,86E-05
242008_at		BE350312	23287		9,21E-05
55705_at	C19orf22	W07773	91300	19p13.3	9,26E-05
236545_at		AA532718	5530		9,34E-05
214687_x_at	ALDOA	AK026577	226	16p11.2	9,49E-05
208949_s_at	LGALS3	BC001120		114q21-q22	9,54E-05
205041_s_at	ORM1 /// ORM2	NM_000607	5004 /// 5	09q31-q32 /// 9q32	9,84E-05
223746_at	STK4	BC005231	6789	20q11.2-q13.2	1,00E-04

High in HOXA cluster

Probe set	Gene Symbol	Accession	Entrez Gene ID	Cytoband	p-value
215096_s_at	ESD	AU145746	2098	13q14.1-q14.2	1,99E-06
214651_s_at	HOXA9	U41813	3205	7p15-p14	2,66E-06
209009_at	ESD	BC001169	2098	13q14.1-q14.2	2,95E-06
202217 at	C21orf33	NM 004649	8209	21q22.3	4,46E-06
200642 at	SOD1	NM_000454	6647	21q22.1 21q22.11	4,50E-06
227608_at		AA225118	55249		5,14E-06
200708 at	GOT2	NM_002080	2806	16q21	5,28E-06
206445 s at	PRMT1	NM_001536	3276	19q13.3	5,81E-06
1567627_at	CD74	M28590	972	5q32	7,31E-06
201623 s at	DARS	BC000629	1615	2q21.3	1,26E-05
203103_s_at	PRPF19	NM_014502	27339	11q12.2	1,31E-05
208644_at	PARP1	M32721	142	1q41-q42	1,38E-05
201268 at	NME1 /// NME1-	NNM_002512	4831	17q21.3	1,51E-05
200910_at	ССТ3	NM_005998	7203	1q23	1,64E-05

201624_at	DARS	NM_001349	1615	2q21.3	1,91E-05
217786_at	PRMT5	NM_006109	10419	14q11.2-q21	2,03E-05
229638_at	IRX3	AI681917	79191	16q12.2	2,21E-05
208758_at	ATIC	D89976	471	2q35	2,29E-05
235753 at	HOXA7	AI492051		7p15-p14	3,13E-05
212922_s_at	SMYD2	AI809870	56950	1q41	3,50E-05
227655_at	SNORD123	AI631964		5p15.2	4,36E-05
204683_at	ICAM2	NM_000873	3384	17q23-q25	4,47E-05
226880_at	NUCKS1	AL035851	64710	1q32.1	4,83E-05
224150_s_at	CEP70	AF289495	80321	3q22-q23	5,21E-05
218713_at	NARG2	NM_024611	79664	15q22.2	5,87E-05
202265_at	BMI1	NM_005180	648	10p11.23	5,89E-05
200751_s_at	HNRNPC	BE898861	3183	14q11.2	6,12E-05
201746_at	TP53	NM_000546	7157	17p13.1	6,38E-05
210125_s_at	BANF1	AF044773	8815	11q13.1	6,61E-05
217809_at	BZW2	NM_014038	28969	7p21.1	7,22E-05
209059_s_at	EDF1	AB002282	8721	9q34.3	7,51E-05
211934_x_at	GANAB	W87689	23193	11q12.3	7,71E-05
208818_s_at	COMT	BC000419	1312	22q11.21-q11.23 22q11.21	7,72E-05
213844_at	HOXA5	NM_019102	3202	7p15-p14	8,15E-05
212352_s_at	TMED10	BE780075	10972	14q24.3	8,39E-05
200612_s_at	AP2B1	NM_001282	163	17q11.2-q12	8,43E-05
208657_s_at	SEPT9	AF142408	10801	17q25	8,69E-05
208723_at	USP11	BC000350	8237	Xp11.23	9,85E-05

High in SIL/TAL cluster

Probe set	Gene Symbol	Accession	Entrez Gene ID	Cytoband	p-value
226018_at	C7orf41	W73230	222166	7p15.1	6,08E-09
227801_at	TRIM59	N90779	286827	3q26.1	2,28E-08
226206_at	MAFK	BG231691	7975	7p22.3	5,36E-08
204891 s at	LCK	NM 005356	3932	1p34.3	8,65E-08
224367_at	BEX2	AF251053	84707	Xq22	8,83E-08
233173_x_at	GTF3C5	AK000194	9328	9q34	3,71E-07
205347 s at	MGC39900 /// T	MNM 021992	11013	Xq21.33-q22.3 /// Xq22.2	4,68E-07
203244_at	PEX5	NM_000319	5830	12p13.31	8,91E-07
209706_at	NKX3-1	AF247704	4824	8p21	1,20E-06
210365_at	RUNX1	D43967	861	21q22.3	1,30E-06
205831_at	CD2	NM_001767	914	1p13	1,32E-06
209670_at	TRAC	M12959	28755	14q11	3,25E-06
200677_at	PTTG1IP	NM_004339	754	21q22.3	3,43E-06
225699_at	C7orf40	AI937446	285958	7p13	5,38E-06
1561195_at		AL832142	7107		9,96E-06
217876_at	GTF3C5	NM_012087	9328	9q34	1,09E-05
221970_s_at	NOL11	AU158148	25926	17q24.2	1,33E-05
224876_at	C5orf24	AV707506	134553	5q31.1	1,53E-05
230664_at	H2BFM /// H2BF	XH09657	286527	Xq22.2	2,68E-05
204890_s_at	LCK	U07236	3932	1p34.3	3,65E-05
226863_at	FAM110C	AI674565		2p25.3	3,97E-05
203402_at	KCNAB2	AL520102	8514	1p36.3	4,11E-05
227069_at		AA806989		1 555	4,23E-05
243888_at		AI610684			5,98E-05
236114_at		AI798118	861		6,23E-05
222396_at	HN1	AF060925	51155	17q25.1	7,62E-05

209359 x at	RUNX1	L34598	861	21q22.3	8,03E-05
230391 at		BF439449			8,08E-05
213134 x at	BTG3	AI765445	10950	21q21.1-q21.2	8,20E-05
208788 at	ELOVL5	AL136939	60481	6p21.1-p12.1	8,46E-05
212493 s at	SETD2	AI761110	29072	3p21.31	8,67E-05
34406 at	PACS2	AB011174	23241	14q32.33	8,77E-05
218803 at	CHFR	NM 018223	55743	12g24.33	9,02E-05