Apéndice VI

Cuadro 5. Listado de genes sobrexpresados en LMA respecto a LLA. Se muestra el listado de genes sobrexpresados obtenidos para la comparación de LMA vs. LLA (2497 genes). Se muestra el identificador ENSEMBL del gen, el nombre de este, el LogFC obtenido y el p-valor asociado. Los genes se encuentran organizados de mayor LogFC a menor LogFC.

Identificador	Nombre del gen	logFC	p-valor
ENSG00000128422.17	KRT17	7,839096	2,12E-20
ENSG00000283273.1	AC138649.5	7,785926	3,75E-14
ENSG00000274736.5	CCL23	7,342354	1,16E-23
ENSG00000102854.16	MSLN	7,32803	2,36E-19
ENSG00000260182.1	AC120498.2	7,239691	1,61E-20
ENSG00000233101.10	HOXB-AS3	7,232877	2,34E-19
ENSG00000172236.18	TPSAB1	7,210291	2,93E-23
ENSG00000164825.4	DEFB1	7,185488	4,23E-18
ENSG00000095917.14	TPSD1	6,979662	2,39E-20
ENSG00000170689.10	HOXB9	6,886207	3,93E-15
ENSG00000197253.13	TPSB2	6,78316	7,55E-21
ENSG00000158258.16	CLSTN2	6,759411	2,17E-18
ENSG00000250696.5	AC111000.4	6,752311	5,69E-20
ENSG00000120075.5	HOXB5	6,645076	5,78E-18
ENSG00000269586.7	CT45A10	6,554669	1,47E-09
ENSG00000108511.10	HOXB6	6,531117	6,24E-18
ENSG00000181433.9	SAGE1	6,422299	6,57E-15
ENSG00000198848.13	CES1	6,251405	1,9E-15
ENSG00000232431.3	AC055876.1	6,178058	1,61E-13
ENSG00000120068.7	HOXB8	6,162645	1,72E-13
ENSG00000005073.6	HOXA11	6,157335	5,04E-17
ENSG00000177575.13	CD163	6,093226	1,84E-17
ENSG00000105205.7	CLC	6,092183	9,98E-19
ENSG00000234373.1	SNX18P7	6,044125	1,2E-13
ENSG00000213759.10	UGT2B11	5,989459	7,36E-17
ENSG00000115602.17	IL1RL1	5,972581	4,84E-20
ENSG00000079102.16	RUNX1T1	5,95981	1,02E-11
ENSG00000008394.13	MGST1	5,919068	2,26E-34
ENSG00000277867.1	AC138649.4	5,910099	1,96E-12
ENSG00000119919.11	NKX2-3	5,786621	3,58E-13
ENSG00000177133.11	PRDM16-DT	5,770925	6,2E-14
ENSG00000275325.4	PDCD6IPP1	5,723851	6,52E-15
ENSG00000054598.9	FOXC1	5,671846	1,33E-15
ENSG00000164853.9	UNCX	5,667349	1,27E-11
ENSG00000185168.5	LINC00482	5,588977	9,72E-18
ENSG00000165072.10	MAMDC2	5,578289	8,93E-21

ENSG00000180044.5	C3orf80	5,523737	1,46E-16
ENSG00000285498.1	AC104389.7	5,512312	7,62E-11
ENSG00000265190.7	ANXA8	5,462079	3,83E-14
ENSG00000235996.1	AL136090.1	5,459321	6,52E-13
ENSG00000187955.12	COL14A1	5,435549	1,12E-14
ENSG00000112414.15	ADGRG6	5,422358	4,03E-11
ENSG00000175445.17	LPL	5,396037	7,13E-15
ENSG00000185052.12	SLC24A3	5,388332	1,17E-20
ENSG00000214548.18	MEG3	5,388285	4,65E-11
ENSG00000197766.8	CFD	5,349325	3,58E-24
ENSG00000121053.6	EPX	5,33499	1,91E-18
ENSG00000185559.16	DLK1	5,321008	5,39E-12
ENSG00000170439.7	METTL7B	5,288336	3,29E-16
ENSG00000129152.4	MYOD1	5,279045	1,72E-07
ENSG00000143839.15	REN	5,276911	5,1E-11
ENSG00000169385.3	RNASE2	5,2766	4,06E-20
ENSG00000139329.5	LUM	5,275203	4,92E-11
ENSG00000188153.14	COL4A5	5,211872	2,62E-12
ENSG00000254369.6	HOXA-AS3	5,194721	1,59E-14
ENSG00000170837.3	GPR27	5,177294	1E-22
ENSG00000100033.16	PRODH	5,173875	1,46E-15
ENSG00000196209.13	SIRPB2	5,171962	3,84E-31
ENSG00000253552.8	HOXA-AS2	5,171311	7,82E-17
ENSG00000124107.5	SLPI	5,143684	1,91E-12
ENSG00000169397.3	RNASE3	5,124385	4,77E-16
ENSG00000259188.6	AC025040.1	5,105864	3,43E-28
ENSG00000286715.1	AL589863.2	5,095486	7,72E-30
ENSG00000147255.19	IGSF1	5,09263	4,56E-11
ENSG00000175591.12	P2RY2	5,089522	1,68E-27
ENSG00000005381.8	MPO	5,080627	7,39E-15
ENSG00000254006.5	AC104232.1	5,074309	5,46E-14
ENSG00000279814.1	AC010997.6	5,065778	8,44E-26
ENSG00000249763.1	AC114786.1	5,051426	5,77E-10
ENSG00000133105.8	RXFP2	5,04898	1,28E-17
ENSG00000188626.6	GOLGA8M	5,0484	2,32E-12
ENSG00000148655.15	LRMDA	5,031532	4,51E-35
ENSG00000276600.5	RAB7B	5,008401	2,19E-19
ENSG00000239552.2	HOXB-AS2	4,948674	1,93E-13
ENSG00000184292.7	TACSTD2	4,942339	3,82E-11
ENSG00000113100.10	CDH9	4,940383	2,27E-10
ENSG00000257582.5	LINC01475	4,9237	3,37E-11
ENSG00000087245.13	MMP2	4,91792	4,6E-13
ENSG00000163751.4	CPA3	4,913438	6,93E-15
ENSG00000096264.14	NCR2	4,911347	2,88E-09
ENSG00000268659.2	AL589863.1	4,903141	1,86E-19

ENSG00000254521.7	SIGLEC12	4,895922	9,31E-17
ENSG00000233392.5	UICLM	4,88313	2,54E-12
ENSG00000116962.15	NID1	4,87705	2,07E-20
ENSG00000157404.16	KIT	4,873328	3,21E-26
ENSG00000100448.4	CTSG	4,862797	1,65E-13
ENSG00000174403.16	MIR1-1HG-AS1	4,860276	1,44E-11
ENSG00000162747.12	FCGR3B	4,856642	1,07E-11
ENSG00000257178.5	AC103702.1	4,840979	4,71E-12
ENSG00000087116.16	ADAMTS2	4,833536	3,07E-12
ENSG00000165655.17	ZNF503	4,831754	2,74E-20
ENSG00000172232.10	AZU1	4,829151	2,6E-17
ENSG00000106006.6	HOXA6	4,813698	1,42E-12
ENSG00000225345.3	SNX18P3	4,812859	1,26E-11
ENSG00000172817.4	CYP7B1	4,809686	8,49E-14
ENSG00000140287.11	HDC	4,795975	9,28E-14
ENSG00000172752.14	COL6A5	4,788915	1,05E-09
ENSG00000266217.2	CTSLP2	4,786453	1,55E-08
ENSG00000242193.11	CRYZL2P	4,784969	4,46E-28
ENSG00000159189.12	C1QC	4,776113	1,41E-10
ENSG00000264230.9	ANXA8L1	4,76796	2,08E-09
ENSG00000171999.7	OR52P2P	4,763182	1,63E-11
ENSG00000226562.4	CYP4F26P	4,757198	1,09E-12
ENSG00000073756.12	PTGS2	4,750234	1,51E-20
ENSG00000265531.3	FCGR1CP	4,745701	4,41E-18
ENSG00000134827.8	TCN1	4,740297	4,85E-12
ENSG00000203396.3	AL512646.1	4,733657	6,27E-08
ENSG00000276644.5	DACH1	4,715315	1,67E-17
ENSG00000179639.10	FCER1A	4,708983	5,24E-15
ENSG00000164821.5	DEFA4	4,659222	5,59E-09
ENSG00000230749.5	MEIS1-AS2	4,655285	5,48E-14
ENSG00000204682.8	MIR1915HG	4,625914	6,86E-14
ENSG00000225101.6	OR52K3P	4,615386	3,48E-16
ENSG00000175084.12	DES	4,607804	2,42E-11
ENSG00000180767.10	CHST13	4,605866	2,93E-21
ENSG00000224400.5	AC010880.1	4,599793	4,05E-11
ENSG00000170955.10	CAVIN3	4,597638	6,93E-09
ENSG00000189068.11	VSTM1	4,596128	1,17E-14
ENSG00000256951.1	AC055876.3	4,592088	1,12E-06
ENSG00000090382.7	LYZ	4,585704	2,07E-16
ENSG00000223601.2	EBLN1	4,571928	7,54E-07
ENSG00000149516.14	MS4A3	4,564018	1,7E-14
ENSG00000253187.2	HOXA10-AS	4,561247	1,07E-13
ENSG00000261377.5	PDCD6IPP2	4,559765	1,79E-11
ENSG00000182676.5	PPP1R27	4,552784	8E-12
ENSG00000280800.1	FP671120.6	4,533461	2,25E-07

ENSG00000283486.2	FAM95C	4,532015	9,28E-11
ENSG00000113396.13	SLC27A6	4,516165	1,36E-11
ENSG00000285662.2	FAM245B	4,514621	1,86E-12
ENSG00000237272.2	OR51R1P	4,511645	9,8E-11
ENSG00000251129.2	LINC02506	4,502116	3,42E-08
ENSG00000164125.16	GASK1B	4,478848	6,93E-14
ENSG00000102287.19	GABRE	4,473785	2,27E-07
ENSG00000010327.10	STAB1	4,466442	1,31E-12
ENSG00000111052.7	LIN7A	4,464065	3,19E-11
ENSG00000118231.5	CRYGD	4,458946	1,05E-09
ENSG00000182585.10	EPGN	4,444381	2,45E-13
ENSG00000142619.4	PADI3	4,433183	1,96E-08
ENSG00000173369.17	C1QB	4,432231	1,67E-08
ENSG00000234232.7	AC243772.3	4,415815	4,71E-12
ENSG00000197561.7	ELANE	4,412754	2,48E-10
ENSG00000106004.5	HOXA5	4,405013	1,26E-10
ENSG00000263381.1	MIR5584	4,390728	2,5E-16
ENSG00000162390.18	ACOT11	4,386261	2,51E-29
ENSG00000226321.5	CROCC2	4,378673	3,17E-11
ENSG00000171509.16	RXFP1	4,378027	1,74E-11
ENSG00000163563.8	MNDA	4,37273	1,16E-17
ENSG00000227825.4	SLC9A7P1	4,366627	2,45E-16
ENSG00000164946.20	FREM1	4,361619	4,53E-07
ENSG00000129538.14	RNASE1	4,356347	7,93E-11
ENSG00000173372.17	C1QA	4,337819	7,69E-09
ENSG00000137673.9	MMP7	4,332152	9,33E-09
ENSG00000142611.17	PRDM16	4,329222	4,03E-08
ENSG00000123095.6	BHLHE41	4,327817	3,18E-11
ENSG00000125900.13	SIRPD	4,326221	8,86E-11
ENSG00000188393.9	CLEC2A	4,307415	2,48E-07
ENSG00000101425.14	BPI	4,302455	8,2E-11
ENSG00000253625.1	IGKV2-23	4,290978	3,81E-10
ENSG00000234282.1	AL109809.2	4,285136	1,43E-09
ENSG00000120885.22	CLU	4,283604	9,37E-14
ENSG00000185332.8	TMEM105	4,268832	1,12E-10
ENSG00000230453.9	ANKRD18B	4,267912	1,97E-09
ENSG00000197506.8	SLC28A3	4,262315	2,38E-11
ENSG00000101276.18	SLC52A3	4,260883	2,52E-12
ENSG00000271455.1	AC112187.2	4,255563	1,46E-06
ENSG00000215208.3	KRT18P60	4,246563	2,81E-14
ENSG00000156234.7	CXCL13	4,2421	9,03E-07
ENSG00000181963.5	OR52K2	4,23542	6,15E-10
ENSG00000111057.11	KRT18	4,222647	2,55E-10
ENSG00000147206.17	NXF3	4,220925	6,08E-11
ENSG00000162078.11	ZG16B	4,220639	1,64E-18

ENSG00000253578.1	IGKV1-22	4,215185	7,04E-10
ENSG00000157150.5	TIMP4	4,210361	5,97E-09
ENSG00000002726.21	AOC1	4,194356	4,84E-11
ENSG00000179593.16	ALOX15B	4,193584	1,02E-07
ENSG00000251691.2	AC114786.3	4,191797	9,99E-07
ENSG00000137819.14	PAQR5	4,187929	7,3E-11
ENSG00000255587.9	RAB44	4,179977	8,91E-24
ENSG00000116711.10	PLA2G4A	4,179647	6,68E-26
ENSG00000104043.15	ATP8B4	4,179567	2,47E-23
ENSG00000242550.6	SERPINB10	4,17866	6,86E-12
ENSG00000139970.17	RTN1	4,175979	1,2E-08
ENSG00000197576.14	HOXA4	4,174163	5,96E-11
ENSG00000180871.8	CXCR2	4,168939	1,11E-13
ENSG00000235568.7	NFAM1	4,157342	8,98E-17
ENSG00000271474.1	AC106881.1	4,154932	1,83E-07
ENSG00000113494.17	PRLR	4,154757	1,16E-09
ENSG00000254330.1	AC104232.2	4,150626	1,05E-07
ENSG00000272235.1	AL590438.1	4,148106	3,38E-08
ENSG00000205212.5	CCDC144NL	4,145667	7,74E-07
ENSG00000154864.13	PIEZO2	4,144233	5,54E-09
ENSG00000038427.16	VCAN	4,140087	1,66E-09
ENSG00000136869.16	TLR4	4,13929	2,68E-17
ENSG00000091181.20	IL5RA	4,137336	2,34E-11
ENSG00000134873.10	CLDN10	4,136705	2,78E-08
ENSG00000233430.3	AC239798.1	4,135864	4,08E-06
ENSG00000283839.1	AC096667.1	4,132582	1,77E-17
ENSG00000204860.5	FAM201A	4,131332	6,19E-09
ENSG00000180071.20	ANKRD18A	4,131219	9,44E-09
ENSG00000258114.1	AC005871.2	4,129763	4,29E-06
ENSG00000164741.15	DLC1	4,127932	1,86E-13
ENSG00000241911.1	TRBVB	4,124503	1,33E-10
ENSG00000014257.16	ACP3	4,115175	9,68E-21
ENSG00000237476.1	LINC01637	4,103848	5,54E-20
ENSG00000137558.9	PI15	4,103392	2,84E-07
ENSG00000198019.13	FCGR1B	4,102055	2,66E-16
ENSG00000242324.1	AL049634.1	4,098704	2,53E-11
ENSG00000242119.1	AC117454.1	4,095807	9,17E-08
ENSG00000163221.9	S100A12	4,093005	2,01E-08
ENSG00000160883.11	HK3	4,087447	1,24E-11
ENSG00000138316.11	ADAMTS14	4,083183	4,59E-13
ENSG00000123342.16	MMP19	4,079046	8,45E-15
ENSG00000007350.17	TKTL1	4,077619	1,63E-07
ENSG00000096006.12	CRISP3	4,07733	1,04E-06
ENSG00000108244.17	KRT23	4,07483	3,28E-08
ENSG00000163421.9	PROK2	4,073177	3,2E-12

ENSG00000122592.8	HOXA7	4,071514	3,76E-09
ENSG00000274536.7	MIR223HG	4,071017	2,52E-19
ENSG00000079689.14	SCGN	4,067991	5,34E-06
ENSG00000232125.5	DYTN	4,066926	1E-12
ENSG00000275344.1	MIR6503	4,063062	4,53E-12
ENSG00000106031.9	HOXA13	4,057167	6,09E-07
ENSG00000064692.20	SNCAIP	4,055827	5,92E-07
ENSG00000163191.6	S100A11	4,053349	2,97E-15
ENSG00000277755.1	AC138649.3	4,044952	2,29E-06
ENSG00000240990.10	HOXA11-AS	4,042662	3,37E-08
ENSG00000152377.14	SPOCK1	4,037866	1,06E-09
ENSG00000073737.17	DHRS9	4,035157	4,78E-12
ENSG00000201086.1	RNA5SP394	4,03379	2,26E-16
ENSG00000152760.10	TCTEX1D1	4,029593	1,07E-13
ENSG00000184221.13	OLIG1	4,026622	2,88E-13
ENSG00000279359.1	AL359195.2	4,022974	2,38E-08
ENSG00000108702.4	CCL1	4,014511	3,02E-06
ENSG00000181195.11	PENK	4,011302	4,15E-07
ENSG00000288595.1	AC236668.1	4,00906	3,69E-08
ENSG00000205502.4	C2CD4B	4,001183	4,33E-06
ENSG00000172322.14	CLEC12A	3,99956	4,12E-18
ENSG00000198829.6	SUCNR1	3,995743	8E-13
ENSG00000268388.6	FENDRR	3,994415	5,61E-06
ENSG00000287828.1	AL354743.2	3,992764	4,7E-07
ENSG00000287430.1	AL136090.2	3,989028	4,02E-10
ENSG00000242810.1	MRPL42P6	3,987074	2,95E-09
ENSG00000175164.15	ABO	3,984708	5,3E-09
ENSG00000140090.18	SLC24A4	3,98414	2,57E-17
ENSG00000204706.14	MAMDC2-AS1	3,982735	4,31E-11
ENSG00000254343.2	AC091563.1	3,980077	1,43E-16
ENSG00000179447.2	SLC24A3-AS1	3,979722	9,75E-10
ENSG00000254154.8	CRYZL2P-SEC16B	3,977471	2,74E-12
ENSG00000230257.5	NFE4	3,971434	2,54E-10
ENSG00000249835.2	VCAN-AS1	3,968959	2,56E-08
ENSG00000184838.15	PRR16	3,965553	3,59E-07
ENSG00000115414.21	FN1	3,958717	1,63E-10
ENSG00000167850.4	CD300C	3,95015	1,32E-13
ENSG00000183773.15	AIFM3	3,949135	1,74E-18
ENSG00000120093.11	HOXB3	3,946665	5,35E-09
ENSG00000211915.1	IGHD5-18	3,946575	2,15E-08
ENSG00000179348.12	GATA2	3,941282	1,76E-15
ENSG00000271616.1	AC055876.6	3,941013	1,36E-05
ENSG00000162391.12	FAM151A	3,935108	1,36E-17
ENSG00000105352.10	CEACAM4	3,932832	2,36E-14

ENSG00000118113.12	MMP8	3,932595	2,33E-07
ENSG00000179277.9	MEIS3P1	3,92501	1,86E-08
ENSG00000143546.10	S100A8	3,923632	5,94E-09
ENSG00000169403.12	PTAFR	3,919263	1,55E-15
ENSG00000204832.10	ST8SIA6-AS1	3,915703	1,98E-12
ENSG00000135378.4	PRRG4	3,912494	4,1E-22
ENSG00000237321.1	AL354936.1	3,911877	2,82E-06
ENSG00000136315.4	AL355922.1	3,901298	9,45E-10
ENSG00000283647.1	AL512643.1	3,896968	9,79E-05
ENSG00000155792.10	DEPTOR	3,896494	1,37E-18
ENSG00000287083.1	AC108169.1	3,891464	2,96E-05
ENSG00000253523.1	AC104350.1	3,887574	8,89E-05
ENSG00000125255.7	SLC10A2	3,886821	3E-05
ENSG00000250986.1	LINC02600	3,883927	1,05E-06
ENSG00000182636.8	NDN	3,883901	1,71E-07
ENSG00000163739.5	CXCL1	3,882527	4,97E-10
ENSG00000211917.1	IGHD3-16	3,878101	1,89E-09
ENSG00000269019.2	HOMER3-AS1	3,876949	5,42E-13
ENSG00000278530.4	CHMP1B2P	3,869645	6,27E-06
ENSG00000268758.7	ADGRE4P	3,864185	6,38E-12
ENSG00000167419.11	LPO	3,860122	1,47E-09
ENSG00000251799.1	Y_RNA	3,856317	5,96E-08
ENSG00000173376.14	NDNF	3,855114	1,35E-05
ENSG00000165966.16	PDZRN4	3,844252	2,22E-06
ENSG00000125285.6	SOX21	3,836662	1,05E-05
ENSG00000202356.1	RNA5SP277	3,836414	1,72E-08
ENSG00000164023.14	SGMS2	3,834568	6,49E-12
ENSG00000278971.1	AC091305.1	3,823384	1,3E-10
ENSG00000107562.16	CXCL12	3,823378	6,03E-07
ENSG00000176076.7	KCNE5	3,822615	3,31E-06
ENSG00000168995.13	SIGLEC7	3,817484	2,38E-10
ENSG00000246100.4	LINC00900	3,816199	1,8E-08
ENSG00000133317.16	LGALS12	3,815753	4,25E-11
ENSG00000181656.7	GPR88	3,815137	8,94E-10
ENSG00000248347.3	AC120036.1	3,809468	2,31E-06
ENSG00000234177.5	LINC01114	3,800887	6,07E-08
ENSG00000154269.15	ENPP3	3,789669	2,76E-08
ENSG00000156575.2	PRG3	3,789315	1,02E-06
ENSG00000143067.5	ZNF697	3,78706	5,31E-16
ENSG00000128709.13	HOXD9	3,779056	9,04E-05
ENSG00000115107.20	STEAP3	3,774488	4,65E-20
ENSG00000112773.16	TENT5A	3,774197	4,05E-21
ENSG00000275585.2	AC241377.2	3,771986	4,2E-06
ENSG00000198883.12	PNMA5	3,770194	6,91E-08
ENSG00000232444.1	AC010745.4	3,769723	2,22E-06

ENSG00000165215.6	CLDN3	3,768187	1,27E-07
ENSG00000205927.5	OLIG2	3,766382	2,05E-07
ENSG00000169908.12	TM4SF1	3,757849	7,77E-07
ENSG00000182263.14	FIGN	3,757159	4,02E-05
ENSG00000286518.1	AL354743.1	3,756294	3,74E-06
ENSG00000288536.1	AF222684.1	3,756258	1,91E-05
ENSG00000171236.10	LRG1	3,755247	1,15E-15
ENSG00000174099.12	MSRB3	3,754815	3,71E-15
ENSG00000137273.6	FOXF2	3,74905	6,52E-05
ENSG00000150540.14	HNMT	3,740299	7,54E-08
ENSG00000213726.5	RPS2P52	3,725234	3,01E-13
ENSG00000272636.4	DOC2B	3,725214	8,59E-08
ENSG00000102837.7	OLFM4	3,718083	3,25E-06
ENSG00000261649.6	GOLGA6L7	3,711993	2,51E-07
ENSG00000237803.6	LINC00211	3,708108	2,2E-11
ENSG00000228778.2	AL513542.1	3,703303	1,88E-06
ENSG00000214787.10	MS4A4E	3,698419	5,61E-11
ENSG00000080709.16	KCNN2	3,693727	2,8E-05
ENSG00000139410.15	SDSL	3,692662	8,16E-18
ENSG00000224968.2	LINC01645	3,690973	2,06E-05
ENSG00000231165.3	TRBV26OR9-2	3,686257	1,76E-05
ENSG00000170396.9	ZNF804A	3,685448	2,03E-11
ENSG00000150594.7	ADRA2A	3,683739	3,03E-07
ENSG00000163220.11	S100A9	3,681246	1,58E-07
ENSG00000164877.19	MICALL2	3,677053	5,19E-20
ENSG00000259425.5	AC011767.1	3,669118	1,6E-07
ENSG00000119865.9	CNRIP1	3,666232	5,41E-09
ENSG00000154188.10	ANGPT1	3,661358	1,25E-09
ENSG00000163464.8	CXCR1	3,65947	3,5E-08
ENSG00000234493.4	RHOXF1P1	3,65886	4,16E-06
ENSG00000187098.17	MITF	3,658027	1,2E-16
ENSG00000285595.1	AC105114.2	3,654581	3,74E-07
ENSG00000121316.11	PLBD1	3,654376	7,07E-08
ENSG00000261559.1	FSCN1P1	3,650393	4,73E-07
ENSG00000287719.1	AP001531.1	3,646353	0,000116
ENSG00000232543.2	IGHD4-11	3,63907	1,1E-07
ENSG00000124882.4	EREG	3,638826	3,09E-06
ENSG00000285254.2	AL513128.2	3,637916	4,03E-06
ENSG00000237816.1	RPL21P109	3,63439	1,42E-07
ENSG00000135525.18	MAP7	3,628143	1,82E-12
ENSG00000207583.1	MIR606	3,628022	4,08E-09
ENSG00000170893.4	TRH	3,627415	1,91E-05
ENSG00000264434.2	AC110603.1	3,621134	8,45E-07
ENSG00000101307.16	SIRPB1	3,609436	7,09E-10
ENSG00000124469.12	CEACAM8	3,607433	2,47E-06

ENSG00000138395.17	CDK15	3,603607	2,9E-07
ENSG00000127951.8	FGL2	3,598061	8,55E-10
ENSG00000069535.14	MAOB	3,597572	2,26E-05
ENSG00000256660.6	CLEC12B	3,593656	4,11E-13
ENSG00000258227.7	CLEC5A	3,593168	3,23E-08
ENSG00000287998.1	AC104232.3	3,588967	1,15E-06
ENSG00000180785.10	OR51E1	3,587702	0,000172
ENSG00000144407.9	PTH2R	3,586115	1,72E-10
ENSG00000182742.6	HOXB4	3,585091	9,3E-08
ENSG00000250280.2	AC026124.1	3,584945	2,83E-12
ENSG00000100504.17	PYGL	3,577467	4,93E-23
ENSG00000163993.7	S100P	3,576803	4,86E-08
ENSG00000170909.13	OSCAR	3,572456	3,47E-11
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ENSG00000197629.6	MPEG1	3,570167	2,95E-08
ENSG00000187037.8	GPR141	3,569125	1,2E-13
ENSG00000101439.9	CST3	3,567532	2,39E-10
ENSG00000051128.19	HOMER3	3,56437	8,87E-15
ENSG00000255801.1	AC092746.1	3,563072	7,05E-05
ENSG00000196422.11	PPP1R26	3,562991	3,18E-13
ENSG00000150337.13	FCGR1A	3,555567	1,46E-12
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ENSG00000242651.3	RN7SL862P	3,543785	1,24E-07
ENSG00000266976.3	AC079466.1	3,54187	3,23E-05
ENSG00000184566.3	AC132216.1	3,54167	1,43E-14
ENSG00000221869.5	CEBPD	3,533861	2,23E-11
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ENSG00000233460.1	RPL35AP31	3,532695	2,35E-07
ENSG00000224307.2	AL161785.1	3,526685	8,36E-09
ENSG00000084110.11	HAL	3,526547	1,52E-13
ENSG00000117400.18	MPL	3,524938	5,54E-11
ENSG00000253821.2	AC090796.1	3,519502	6,81E-05
ENSG00000121552.4	CSTA	3,514618	1,2E-07
ENSG00000010610.10	CD4	3,511819	1,89E-11
ENSG00000205358.4	MT1H	3,51106	0,000898
ENSG00000260947.1	AL356489.2	3,509843	1,32E-05
ENSG00000257128.1	AC006197.1	3,508005	3,87E-06
ENSG00000211914.1	IGHD6-19	3,502761	3,25E-07
ENSG00000121807.6	CCR2	3,502256	1,67E-07
ENSG00000129450.8	SIGLEC9	3,501909	1,05E-09
ENSG00000162981.14	LRATD1	3,501531	5,88E-05
ENSG00000171517.6	LPAR3	3,50009	4,09E-06
ENSG00000108924.14	HLF	3,499046	2,27E-05
ENSG00000128040.11	SPINK2	3,494345	1,42E-06

ENSG00000005961.19	ITGA2B	3,493857	1,45E-08
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ENSG00000170128.5	GPR25	3,48942	1,17E-05
ENSG00000020181.18	ADGRA2	3,489025	3,57E-11
ENSG00000280255.1	AC004947.2	3,48352	3,62E-05
ENSG00000256347.1	OR8R1P	3,482014	6,52E-08
ENSG00000149534.9	MS4A2	3,478221	5,69E-07
ENSG00000115590.14	IL1R2	3,477232	1,93E-05
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ENSG00000221059.1	RNU6ATAC6P	3,470825	1,91E-06
ENSG00000185008.17	ROBO2	3,469304	0,000122
ENSG00000227502.3	MROCKI	3,469137	2,32E-07
ENSG00000134489.7	HRH4	3,469108	1,15E-09
ENSG00000226286.1	AL008733.1	3,468503	0,000181
ENSG00000241721.1	SUMO1P1	3,464109	1,31E-05
ENSG00000113389.16	NPR3	3,458583	6,28E-07
ENSG00000179104.9	TMTC2	3,455474	1,36E-10
ENSG00000250771.2	AC106865.1	3,453047	6,36E-06
ENSG00000164379.7	FOXQ1	3,451512	0,000513
ENSG00000177508.12	IRX3	3,45087	2,46E-05
ENSG00000186417.14	GLDN	3,448757	8,37E-06
ENSG00000182048.11	TRPC2	3,448509	4,82E-11
ENSG00000178789.9	CD300LB	3,44503	4,9E-08
ENSG00000147459.18	DOCK5	3,441408	9,32E-23
ENSG00000169122.11	FAM110B	3,439101	1,46E-06
ENSG00000103313.13	MEFV	3,438928	2,33E-08
ENSG00000287376.1	AL359538.3	3,438566	1,36E-05
ENSG00000119535.18	CSF3R	3,43856	2,76E-17
ENSG00000277561.5	GOLGA8IP	3,437196	4,77E-08
ENSG00000267218.2	AC005336.2	3,429636	5,41E-06
ENSG00000227430.1	H3P9	3,421979	5,18E-08
ENSG00000169224.13	GCSAML	3,420368	1,28E-07
ENSG00000019169.10	MARCO	3,418935	1,16E-05
ENSG00000169247.14	SH3TC2	3,418759	5,19E-10
ENSG00000171051.9	FPR1	3,415124	6,05E-07
ENSG00000166664.14	CHRFAM7A	3,409057	4,99E-12
ENSG00000215065.3	DUSP8P1	3,408795	1,54E-05
ENSG00000283573.1	AL157371.2	3,407967	3,58E-07
ENSG00000165140.11	FBP1	3,407293	9,97E-08
ENSG00000233968.7	AL157895.1	3,405753	8,68E-07
ENSG00000270390.1	SFXN4P1	3,405658	1,49E-08
ENSG00000237020.1	IGHD1-20	3,403738	2,03E-06
ENSG00000214870.9	AC004540.1	3,402968	3,42E-10
ENSG00000233029.3	AC244453.2	3,402954	9,06E-09
ENSG00000236842.1	AC010997.2	3,401958	1,5E-08

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ENSG00000137672.13	TRPC6	3,39172	3,38E-05
ENSG00000267990.1	AC063977.2	3,390344	2,88E-07
ENSG00000201444.1	RNU6-1082P	3,389162	7,2E-06
ENSG00000125144.14	MT1G	3,388908	4,53E-05
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ENSG00000113763.12	UNC5A	3,382242	4,81E-07
ENSG00000246082.2	NUDT16P1	3,381728	5,92E-08
ENSG00000215097.3	AL731733.1	3,379114	2E-08
ENSG00000281162.2	LINC01127	3,377611	2,08E-06
ENSG00000187164.20	SHTN1	3,37533	1,18E-06
ENSG00000163106.11	HPGDS	3,374563	1,43E-05
ENSG00000011600.12	TYROBP	3,371983	3,57E-10
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ENSG00000287064.1	AL606500.1	3,366963	3,41E-05
ENSG00000060718.22	COL11A1	3,363467	0,000318
ENSG00000078399.19	HOXA9	3,362687	2,02E-05
ENSG00000134755.17	DSC2	3,360934	1,09E-05
ENSG00000143340.6	FAM163A	3,360443	0,000206
ENSG00000239839.7	DEFA3	3,358649	0,000257
ENSG00000148488.17	ST8SIA6	3,352932	1,24E-08
ENSG00000232031.1	AL078599.2	3,35263	1,03E-09
ENSG00000077327.16	SPAG6	3,350285	4,94E-05
ENSG00000237197.1	IGHD1-7	3,349743	4,88E-06
ENSG00000148411.8	NACC2	3,345755	8,3E-13
ENSG00000232539.1	LINC00945	3,345678	4,62E-07
ENSG00000171777.16	RASGRP4	3,343799	6,39E-17
ENSG00000211918.1	IGHD2-15	3,342498	2,07E-06
ENSG00000166831.9	RBPMS2	3,342391	1,9E-06
ENSG00000180592.17	SKIDA1	3,341323	9,48E-07
ENSG00000285354.1	AC010745.5	3,340407	4,39E-05
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ENSG00000286419.1	AC097637.3	3,338427	6,7E-07
ENSG00000248208.1	WDR45P1	3,335825	3,91E-07
ENSG00000180921.7	FAM83H	3,333076	3,51E-11
ENSG00000235321.1	AC007556.1	3,328016	5,52E-07
ENSG00000233098.9	CCDC144NL-AS1	3,32542	0,000191
ENSG00000088827.12	SIGLEC1	3,323495	2,18E-05
ENSG00000244300.3	GATA2-AS1	3,322997	2,02E-12
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ENSG00000211688.1	TRGJP2	3,317901	2,35E-07
ENSG00000184730.11	APOBR	3,315133	8,47E-15

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ENSG00000228594.4	FNDC10	3,305287	2,77E-10
ENSG00000251803.1	Y_RNA	3,303022	1,34E-05
ENSG00000102595.20	UGGT2	3,301828	4,54E-06
ENSG00000229754.1	CXCR2P1	3,296208	2,9E-06
ENSG00000254672.1	AL136146.1	3,289014	1,44E-05
ENSG00000288048.1	AC104088.3	3,284598	1,4E-05
ENSG00000166426.8	CRABP1	3,282909	0,000165
ENSG00000130487.9	KLHDC7B	3,279215	1,77E-09
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ENSG00000198121.13	LPAR1	3,274147	1,25E-06
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ENSG00000225670.4	CADM3-AS1	3,265102	3,5E-05
ENSG00000268849.5	SIGLEC22P	3,262446	9,37E-10
ENSG00000109321.11	AREG	3,260043	3,74E-05
ENSG00000105996.7	HOXA2	3,256791	2,07E-07
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ENSG00000248429.5	FAM198B-AS1	3,247756	8,96E-06
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ENSG00000267296.2	CEBPA-DT	3,244873	2,19E-09
ENSG00000211921.1	IGHD5-12	3,240598	9,32E-06
ENSG00000185198.12	PRSS57	3,235177	4,13E-08
ENSG00000135424.18	ITGA7	3,233965	1,55E-07
ENSG00000105997.22	HOXA3	3,229595	2,53E-05
ENSG00000276107.1	AC037198.1	3,226369	0,000154
ENSG00000122420.10	PTGFR	3,225181	0,000126
ENSG00000253966.1	AC008514.2	3,224891	6,38E-06
ENSG00000171433.12	GLOD5	3,223079	2,04E-06
ENSG00000261055.1	AL450468.2	3,220922	4,09E-06
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ENSG00000265470.1	MIR548AQ	3,202937	3,43E-08
ENSG00000155659.15	VSIG4	3,202397	3,27E-05
ENSG00000159307.19	SCUBE1	3,202202	2,48E-05
ENSG00000123384.14	LRP1	3,202098	3,84E-06

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ENSG00000163071.11	SPATA18	3,193694	6,59E-05
ENSG00000185904.12	LINC00839	3,191574	0,000369
ENSG00000122548.5	KIAA0087	3,190308	0,000232
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ENSG00000169218.14	RSPO1	3,184459	0,000113
ENSG00000103855.18	CD276	3,180939	1,1E-05
ENSG00000287203.1	AC005592.2	3,180288	1,93E-05
ENSG00000110799.14	VWF	3,178167	1,21E-06
ENSG00000144115.17	THNSL2	3,175779	7,93E-06
ENSG00000157445.15	CACNA2D3	3,175261	3,59E-06
ENSG00000103175.11	WFDC1	3,175213	2,29E-07
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ENSG00000228058.2	LINC01736	3,170716	0,00036
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ENSG00000185339.9	TCN2	3,161982	9,32E-08
ENSG00000170421.12	KRT8	3,157484	5,38E-06
ENSG00000140678.17	ITGAX	3,153694	2,17E-09
ENSG00000171049.9	FPR2	3,153254	1,7E-05
ENSG00000124159.15	MATN4	3,15178	9,26E-05
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ENSG00000165682.14	CLEC1B	3,145923	5,67E-10
ENSG00000198734.12	F5	3,145541	1,17E-06
ENSG00000078295.17	ADCY2	3,145136	0,000323
ENSG00000198795.11	ZNF521	3,145094	8,68E-05
ENSG00000228131.1	IGHD6-6	3,142068	1,78E-05
ENSG00000198223.17	CSF2RA	3,13946	1,01E-11
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ENSG00000007038.11	PRSS21	3,138347	0,000256
ENSG00000178081.12	ULK4P3	3,137309	4,3E-08
ENSG00000158352.16	SHROOM4	3,135569	3,28E-05
ENSG00000233451.1	AL513128.1	3,135248	0,000394
ENSG00000198185.11	ZNF334	3,134529	5,03E-06
ENSG00000280913.2	CTSLP3	3,13385	3,14E-05
ENSG00000177469.13	CAVIN1	3,13285	0,000104
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ENSG00000118508.5	RAB32	3,131684	3,93E-11
ENSG00000197503.4	LINC00477	3,127692	0,000612

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ENSG00000138449.11	SLC40A1	3,115425	5,5E-07
ENSG00000241743.4	XACT	3,115046	7,09E-05
ENSG00000272692.2	AC010997.4	3,109268	2,22E-05
ENSG00000188580.15	NKAIN2	3,100653	0,000578
ENSG00000186205.13	MTARC1	3,099861	5,74E-06
ENSG00000234906.11	APOC2	3,097745	6,14E-05
ENSG00000041353.10	RAB27B	3,096589	2,17E-07
ENSG00000281128.2	PTENP1-AS	3,095054	0,000436
ENSG00000254415.3	SIGLEC14	3,092646	2,39E-07
ENSG00000231412.2	AC005392.2	3,09253	0,000185
ENSG00000144619.15	CNTN4	3,091523	0,000493
ENSG00000197249.14	SERPINA1	3,087389	3,05E-05
ENSG00000271945.2	AL355612.1	3,086741	0,000398
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ENSG00000082781.12	ITGB5	3,085112	1,71E-07
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ENSG00000237281.1	CATIP-AS2	3,076559	5,99E-12
ENSG00000173535.15	TNFRSF10C	3,075078	2,18E-06
ENSG00000223750.1	SIRPB3P	3,073036	3,07E-05
ENSG00000085265.11	FCN1	3,066771	4,63E-05
ENSG00000138759.19	FRAS1	3,066504	0,00118
ENSG00000284858.1	AC091185.2	3,064404	3,25E-08
ENSG00000233655.1	IGHD4-4	3,064217	3,84E-05
ENSG00000245848.3	CEBPA	3,059551	3,6E-08
ENSG00000214402.7	LCNL1	3,058509	0,000217
ENSG00000091106.19	NLRC4	3,057557	1,46E-07
ENSG00000100234.12	TIMP3	3,056543	0,000421
ENSG00000263674.1	AC026620.1	3,056054	0,000348
ENSG00000169752.17	NRG4	3,053392	2,07E-07
ENSG00000127954.13	STEAP4	3,051643	5,27E-05
ENSG00000074964.17	ARHGEF10L	3,048085	6,01E-05
ENSG00000170627.11	GTSF1	3,045507	2,92E-05
ENSG00000232046.7	LINC01798	3,045429	2,7E-05
ENSG00000006611.17	USH1C	3,045335	0,001622
ENSG00000178115.11	GOLGA8Q	3,038957	5,4E-07
ENSG00000156140.10	ADAMTS3	3,036163	0,000367
ENSG00000187554.14	TLR5	3,035955	9,13E-06
ENSG00000272620.2	AFAP1-AS1	3,035794	0,000231
ENSG00000229671.3	LINC01150	3,028019	1,4E-08
ENSG00000150782.12	IL18	3,025148	2,17E-10
ENSG00000105855.10	ITGB8	3,022842	2,44E-05
ENSG00000267056.2	AC005336.1	3,022065	0,000521

ENSG00000277435.1	AC138649.2	3,020976	0,000675
ENSG00000187796.15	CARD9	3,012753	6,21E-11
ENSG00000285653.1	AC006238.2	3,011739	1,04E-05
ENSG00000163823.4	CCR1	3,008439	8,48E-06
ENSG00000279717.1	AC005336.3	3,007763	0,000533
ENSG00000118495.20	PLAGL1	3,007034	6,19E-15
ENSG00000184785.6	SMIM10	3,005451	1,13E-05
ENSG00000283122.1	HYMAI	3,003914	2,11E-11
ENSG00000280081.4	LINC01667	3,002686	0,001873
ENSG00000274752.1	TRBV12-3	3,000194	2,16E-05
ENSG00000102362.15	SYTL4	2,995705	0,000106
ENSG00000139567.13	ACVRL1	2,994867	5,18E-05
ENSG00000130881.14	LRP3	2,994423	7,44E-06
ENSG00000265728.1	AP001099.1	2,993784	0,000329
ENSG00000143226.15	FCGR2A	2,991222	1,99E-07
ENSG00000102524.11	TNFSF13B	2,987976	8,61E-09
ENSG00000134323.12	MYCN	2,984888	9,69E-05
ENSG00000120279.6	MYCT1	2,980638	0,001438
ENSG00000260378.1	AC109597.1	2,97814	1,94E-08
ENSG00000273112.1	AL590385.2	2,977892	1,99E-05
ENSG00000231560.1	CLEC12A-AS1	2,977768	8,34E-05
ENSG00000133048.13	CHI3L1	2,976469	0,000201
ENSG00000086288.12	NME8	2,975039	2,45E-07
ENSG00000145431.11	PDGFC	2,974805	5,13E-07
ENSG00000206557.6	TRIM71	2,971934	0,000188
ENSG00000149294.17	NCAM1	2,97163	0,000385
ENSG00000274253.5	AC138649.1	2,970475	0,000227
ENSG00000196593.9	ANKRD20A19P	2,96923	0,002752
ENSG00000188175.10	HEPACAM2	2,968758	0,001489
ENSG00000050555.19	LAMC3	2,967917	7,43E-05
ENSG00000128052.10	KDR	2,966807	0,001063
ENSG00000049130.16	KITLG	2,964682	0,000137
ENSG00000261247.1	GOLGA8T	2,962085	6,8E-07
ENSG00000120156.22	TEK	2,958278	0,000227
ENSG00000144057.15	ST6GAL2	2,957611	0,001479
ENSG00000198959.12	TGM2	2,956898	6,37E-05
ENSG00000238405.1	RNA5SP311	2,954871	2,06E-06
ENSG00000249437.8	NAIP	2,954379	1,59E-07
ENSG00000058866.15	DGKG	2,953848	9,85E-09
ENSG00000155011.9	DKK2	2,953341	0,000945
ENSG00000224940.9	PRRT4	2,95296	9,86E-05
ENSG00000159339.13	PADI4	2,952134	3,56E-06
ENSG00000236323.1	BMP6P1	2,951211	0,001601
ENSG00000174837.15	ADGRE1	2,946494	8,03E-07
ENSG00000106565.18	TMEM176B	2,94355	0,000694

ENSG00000175538.11	KCNE3	2,938442	5,17E-08
ENSG00000182578.14	CSF1R	2,937902	8,63E-07
ENSG00000163661.4	PTX3	2,937704	7,11E-06
ENSG00000151718.16	WWC2	2,937433	4,25E-05
ENSG00000134830.6	C5AR2	2,937067	2,83E-06
ENSG00000258472.9	AC005726.1	2,934302	0,000224
ENSG00000185686.18	PRAME	2,933534	0,003142
ENSG00000126890.13	CTAG2	2,93159	0,0251
ENSG00000138722.10	MMRN1	2,92965	0,000119
ENSG00000261158.1	AC109597.2	2,928711	2,93E-08
ENSG00000249639.1	AC022092.1	2,928325	0,00137
ENSG00000111261.14	MANSC1	2,927102	1,89E-06
ENSG00000161944.16	ASGR2	2,926952	0,000138
ENSG00000003096.14	KLHL13	2,921849	7,85E-06
ENSG00000278992.1	AC012048.1	2,921119	0,000208
ENSG00000260802.1	SERTM2	2,919485	0,000823
ENSG00000268336.1	SIGLEC20P	2,91671	0,000105
ENSG00000144331.20	ZNF385B	2,916499	0,000789
ENSG00000030582.18	GRN	2,912561	2,8E-07
ENSG00000125869.10	LAMP5	2,911378	0,005743
ENSG00000174175.17	SELP	2,911001	3,79E-05
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ENSG00000102104.9	RS1	2,908335	0,003065
ENSG00000189221.10	MAOA	2,908264	0,000297
ENSG00000166825.15	ANPEP	2,907156	2E-06
ENSG00000172482.5	AGXT	2,904817	0,000913
ENSG00000198736.12	MSRB1	2,904668	1,9E-09
ENSG00000180061.10	TMEM150B	2,903141	1,24E-05
ENSG00000130147.16	SH3BP4	2,900796	0,000471
ENSG00000186399.10	GOLGA8R	2,898135	1,32E-07
ENSG00000261279.5	ULK4P1	2,89693	2,09E-06
ENSG00000105971.15	CAV2	2,896068	0,000291
ENSG00000244682.7	FCGR2C	2,893686	0,000116
ENSG00000188282.12	RUFY4	2,892766	0,000247
ENSG00000204644.10	ZFP57	2,892569	0,003422
ENSG00000084234.18	APLP2	2,89212	3,39E-11
ENSG00000275678.1	AL133320.2	2,891099	0,001749
ENSG00000105967.16	TFEC	2,889499	3,83E-07
ENSG00000146205.14	ANO7	2,888813	6,86E-05
ENSG00000163864.17	NMNAT3	2,887563	9,26E-09
ENSG00000130876.11	SLC7A10	2,887155	0,00062
ENSG00000152766.6	ANKRD22	2,886359	0,00011
ENSG00000173597.9	SULT1B1	2,885451	2,61E-06
ENSG00000242498.8	ARPIN	2,8851	3,03E-05
ENSG00000140022.13	STON2	2,884863	3,49E-05

ENSG00000225217.1	HSPA7	2,88403	0,000231
ENSG00000253474.2	AC044893.1	2,882747	0,00426
ENSG00000161647.19	MPP3	2,881634	1,78E-05
ENSG00000182985.18	CADM1	2,879974	0,001601
ENSG00000067798.16	NAV3	2,878836	0,002885
ENSG00000273129.1	PACERR	2,878558	6,51E-05
ENSG00000145794.17	MEGF10	2,87797	0,000602
ENSG00000242082.2	SLC5A4-AS1	2,876263	0,00039
ENSG00000118733.17	OLFM3	2,87469	0,004313
ENSG00000197405.8	C5AR1	2,874651	0,000181
ENSG00000249797.2	LINC02147	2,874005	0,001823
ENSG00000075420.13	FNDC3B	2,871947	7,91E-12
ENSG00000165300.7	SLITRK5	2,866869	0,002783
ENSG00000112077.17	RHAG	2,864046	0,001814
ENSG00000198053.12	SIRPA	2,861721	4,64E-07
ENSG00000184564.11	SLITRK6	2,861532	0,006052
ENSG00000100292.18	HMOX1	2,861338	0,000175
ENSG00000286942.1	AC017104.5	2,860965	0,000552
ENSG00000166927.13	MS4A7	2,858618	1,12E-05
ENSG00000073910.22	FRY	2,85715	7,65E-11
ENSG00000169083.18	AR	2,856319	0,001108
ENSG00000236582.1	PRPF38AP2	2,855426	0,000285
ENSG00000244040.7	IL12A-AS1	2,854561	0,000974
ENSG00000183798.5	EMILIN3	2,853313	0,003428
ENSG00000136250.12	AOAH	2,853022	6,69E-07
ENSG00000175294.6	CATSPER1	2,852897	1,6E-05
ENSG00000165152.9	PGAP4	2,850155	0,002639
ENSG00000255571.9	MIR9-3HG	2,849855	1,94E-05
ENSG00000122641.11	INHBA	2,849081	0,000595
ENSG00000168329.14	CX3CR1	2,8488	0,000447
ENSG00000265658.6	MIR3690	2,84661	1,13E-05
ENSG00000122862.5	SRGN	2,846582	4,36E-06
ENSG00000136944.19	LMX1B	2,846351	0,003187
ENSG00000120708.17	TGFBI	2,845547	0,000851
ENSG00000100079.7	LGALS2	2,839407	0,002019
ENSG00000182168.15	UNC5C	2,836932	0,005983
ENSG00000115919.15	KYNU	2,835823	6,66E-06
ENSG00000188897.9	AC099489.1	2,83456	8,45E-05
ENSG00000133101.10	CCNA1	2,83412	0,001091
ENSG00000237520.1	AL391832.1	2,833814	5,44E-05
ENSG00000109743.11	BST1	2,833622	1,04E-06
ENSG00000213956.4	AC112187.1	2,833079	0,001003
ENSG00000235244.4	DANT2	2,832154	0,00127
ENSG00000122574.11	WIPF3	2,831923	0,001827
ENSG00000254639.1	AC116021.1	2,830201	0,000216

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ENSG00000101916.12	TLR8	2,827853	0,000511
ENSG00000129951.19	PLPPR3	2,827198	1,18E-05
ENSG00000244620.1	AC246787.2	2,825906	0,000345
ENSG00000286076.1	AC005050.3	2,824876	0,002149
ENSG00000064601.20	CTSA	2,824046	4,66E-10
ENSG00000033627.17	ATP6V0A1	2,823024	5,26E-10
ENSG00000156414.19	TDRD9	2,819136	0,000661
ENSG00000069011.16	PITX1	2,816779	0,008836
ENSG00000103381.12	CPPED1	2,815708	1,37E-09
ENSG00000196778.3	OR52K1	2,812517	0,000655
ENSG00000101160.14	CTSZ	2,812059	4,78E-07
ENSG00000018280.17	SLC11A1	2,810918	0,000153
ENSG00000100985.7	MMP9	2,809814	0,001366
ENSG00000214888.3	AL772337.1	2,809333	0,003931
ENSG00000057294.15	PKP2	2,808526	0,001648
ENSG00000163734.4	CXCL3	2,807433	0,000782
ENSG00000286179.1	AL139351.2	2,806881	0,006113
ENSG00000102145.15	GATA1	2,804946	0,000297
ENSG00000102010.15	BMX	2,80488	0,001443
ENSG00000113361.13	CDH6	2,804782	0,007455
ENSG00000135226.18	UGT2B28	2,80451	0,00148
ENSG00000177910.8	SPATA31C2	2,80418	0,002057
ENSG00000171860.5	C3AR1	2,803344	2,28E-05
ENSG00000152580.8	IGSF10	2,801436	0,001012
ENSG00000248385.8	TARM1	2,796669	0,001621
ENSG00000158163.15	DZIP1L	2,795578	4,66E-05
ENSG00000211930.1	IGHD3-3	2,795569	0,000516
ENSG00000186407.7	CD300E	2,795042	0,002497
ENSG00000256751.6	PLBD1-AS1	2,79467	0,000968
ENSG00000186792.17	HYAL3	2,788625	1,04E-07
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ENSG00000243289.1	AGAP13P	2,781354	1,7E-05
ENSG00000128714.6	HOXD13	2,780761	0,009929
ENSG00000286151.1	AL732406.1	2,778584	0,002996
ENSG00000000938.13	FGR	2,778423	6,29E-05
ENSG00000105383.15	CD33	2,777017	3,81E-06
ENSG00000250433.1	CLSTN2-AS1	2,776319	0,005011
ENSG00000134955.12	SLC37A2	2,775903	3,37E-05
ENSG00000261795.1	AC093627.7	2,775442	0,002552
ENSG00000134138.20	MEIS2	2,771799	0,004626
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ENSG00000137462.9	TLR2	2,76962	2,29E-07
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ENSG00000210077.1	MT-TV	2,767693	0,009649

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ENSG00000008438.5	PGLYRP1	2,76537	0,001953
ENSG00000260128.6	ULK4P2	2,764813	1,67E-07
ENSG00000265519.1	AC015922.2	2,764637	0,001933
ENSG00000014914.21	MTMR11	2,76459	0,00058
ENSG00000259200.2	AC068722.1	2,762229	0,00903
ENSG00000132518.7	GUCY2D	2,757423	0,000428
ENSG00000266127.1	ZNF415P1	2,75569	0,00019
ENSG00000131355.15	ADGRE3	2,755364	0,00099
ENSG00000279862.1	AC092964.1	2,754175	1,38E-05
ENSG00000226981.2	ABHD17AP6	2,752882	0,002168
ENSG00000260418.1	AL023284.4	2,75193	0,00101
ENSG00000237149.5	ZNF503-AS2	2,751495	0,000155
ENSG00000245330.4	AP005717.1	2,750527	1,79E-05
ENSG00000086570.12	FAT2	2,745787	2,58E-06
ENSG00000255197.6	AC090559.1	2,745738	1,45E-07
ENSG00000041515.16	MYO16	2,741239	0,002343
ENSG00000138061.12	CYP1B1	2,740157	0,003428
ENSG00000225953.3	SATB2-AS1	2,740115	0,002945
ENSG00000259823.6	LYPD8	2,739067	0,00095
ENSG00000218048.2	AL121949.1	2,736396	0,001994
ENSG00000163915.7	IGF2BP2-AS1	2,735553	2,64E-05
ENSG00000159374.17	M1AP	2,732026	6,32E-07
ENSG00000001036.14	FUCA2	2,729659	2,73E-10
ENSG00000134780.10	DAGLA	2,728529	9,68E-05
ENSG00000183578.8	TNFAIP8L3	2,727206	0,002894
ENSG00000266369.1	AC090774.2	2,726857	0,008682
ENSG00000277559.1	AC018553.1	2,725581	0,00267
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ENSG00000165685.8	TMEM52B	2,722613	0,000415
ENSG00000176463.14	SLCO3A1	2,720484	6,46E-10
ENSG00000186326.4	RGS9BP	2,719384	0,000935
ENSG00000105514.8	RAB3D	2,718951	6,34E-08
ENSG00000254656.3	RTL1	2,718292	0,00531
ENSG00000237483.1	RPS27AP8	2,714019	2,33E-05
ENSG00000166091.21	CMTM5	2,711374	0,003506
ENSG00000182968.5	SOX1	2,710281	0,009455
ENSG00000254109.6	RBPMS-AS1	2,710115	0,002017
ENSG00000225778.5	PROSER2-AS1	2,709991	0,000556
ENSG00000169860.7	P2RY1	2,709599	7,58E-05
ENSG00000206127.11	GOLGA8O	2,709594	3,89E-05
ENSG00000163362.11	INAVA	2,709338	0,00282
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ENSG00000256399.1	AC079866.1	2,70594	0,00222
ENSG00000179314.14	WSCD1	2,704937	0,005077

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ENSG00000116990.11	MYCL	2,704482	0,000995
ENSG00000118946.12	PCDH17	2,703599	0,008827
ENSG00000133216.17	EPHB2	2,701655	0,001808
ENSG00000267453.7	CLEC4O	2,700707	0,012108
ENSG00000251209.9	LINC00923	2,699891	0,004807
ENSG00000183742.13	MACC1	2,698666	0,000483
ENSG00000223392.1	CLDN10-AS1	2,698342	0,007268
ENSG00000177989.13	ODF3B	2,69553	3,44E-05
ENSG00000189056.14	RELN	2,694297	0,013979
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ENSG00000255446.1	AP003064.2	2,689816	0,001706
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ENSG00000120332.16	TNN	2,684808	0,003311
ENSG00000147465.12	STAR	2,684431	1,29E-06
ENSG00000259845.1	HERC2P10	2,684355	4,37E-06
ENSG00000181409.14	AATK	2,684268	1,64E-05
ENSG00000137573.14	SULF1	2,683929	0,010155
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ENSG00000074416.14	MGLL	2,677834	5,79E-05
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ENSG00000180697.9	C3orf22	2,671397	0,000529
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ENSG00000107566.14	ERLIN1	2,668198	1,41E-08
ENSG00000115318.12	LOXL3	2,66602	1,5E-07
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ENSG00000212186.1	RNU6-258P	2,664526	0,00033
ENSG00000109255.11	NMU	2,663435	0,009957
ENSG00000120645.12	IQSEC3	2,661539	0,001227
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ENSG00000272279.1	AL512329.2	2,656904	0,001086
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ENSG00000229847.9	EMX2OS	2,64608	0,009054
ENSG00000162745.10	OLFML2B	2,645839	0,001603
ENSG00000175489.10	LRRC25	2,64069	0,000685
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ENSG00000115596.4	WNT6	2,636947	0,002539
ENSG00000160593.19	JAML	2,635032	0,001072
ENSG00000166104.15	AC126323.1	2,631697	0,006836
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ENSG00000284977.2	AL160272.1	2,631188	0,001126
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ENSG00000181631.7	P2RY13	2,627664	0,000647
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ENSG00000238113.7	LINC01410	2,624565	1,72E-05
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ENSG00000233038.6	PTPRN2-AS1	2,618907	0,000268
ENSG00000230246.7	SPATA31C1	2,618725	0,007748
ENSG00000186074.19	CD300LF	2,618681	3,71E-05
ENSG00000105501.12	SIGLEC5	2,618283	0,00064
ENSG00000227487.4	NCAM1-AS1	2,616624	0,007656
ENSG00000075651.16	PLD1	2,615318	2,61E-05
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ENSG00000287255.1	AC007877.1	2,613702	0,007552
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ENSG00000149131.17	SERPING1	2,61146	0,001507
ENSG00000124302.13	CHST8	2,611119	0,014704
ENSG00000204177.10	BMS1P1	2,610971	5,04E-05
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ENSG00000104332.12	SFRP1	2,602107	0,014998
ENSG00000197992.7	CLEC9A	2,601733	0,008924

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ENSG00000235027.1	AC068580.3	2,578246	0,001926
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ENSG00000237637.1	FRY-AS1	2,251929	0,010515
ENSG00000184232.9	OAF	2,250781	0,015558
ENSG00000253616.5	AC107959.3	2,248572	0,039424
ENSG00000168062.10	BATF2	2,248382	0,044887
ENSG00000278206.1	AL031320.2	2,248049	0,001472
ENSG00000113790.11	EHHADH	2,246478	0,022693
ENSG00000213316.10	LTC4S	2,245516	0,024611
ENSG00000225014.1	KCTD9P1	2,242186	0,025809
ENSG00000211691.2	TRGJP	2,242129	0,046194

ENSG00000071967.12	CYBRD1	2,241839	0,011577
ENSG00000125821.13	DTD1	2,241003	0,008037
ENSG00000123405.14	NFE2	2,239386	0,014906
ENSG00000277797.1	AL359693.1	2,238729	0,048311
ENSG00000280167.1	AP000943.3	2,236777	0,021023
ENSG00000072694.21	FCGR2B	2,234891	0,048619
ENSG00000183386.10	FHL3	2,234515	0,014694
ENSG00000250138.4	AC139495.2	2,232457	0,024059
ENSG00000127838.14	PNKD	2,224956	0,006178
ENSG00000049089.15	COL9A2	2,223093	0,035013
ENSG00000177465.4	ACOT4	2,218684	0,036301
ENSG00000263326.1	AC133552.4	2,217213	0,030231
ENSG00000148200.17	NR6A1	2,214827	0,042406
ENSG00000095303.17	PTGS1	2,212094	0,025585
ENSG00000238005.4	AL391832.2	2,210795	0,037092
ENSG00000160255.18	ITGB2	2,199533	0,037145
ENSG00000186350.12	RXRA	2,197125	0,03235
ENSG00000260517.3	AC009093.2	2,193689	0,029501
ENSG00000279106.1	AC009093.7	2,192702	0,041798
ENSG00000087253.13	LPCAT2	2,173322	0,035277
ENSG00000215187.12	FAM166B	2,16669	0,047736
ENSG00000051382.9	PIK3CB	2,164051	0,005477
ENSG00000166340.17	TPP1	2,156167	0,044097
ENSG00000173548.9	SNX33	2,155923	0,039097

Cuadro 6. Listado de genes infraexpresados en LMA respecto a LLA. Se muestra el listado de genes infraexpresados obtenidos para la comparación de LMA vs. LLA (2497 genes). Se muestra el identificador ENSEMBL del gen, el nombre de este, el LogFC obtenido y el p-valor asociado. Los genes se encuentran organizados de menor LogFC a mayor LogFC.

Identificador	Nombre del gen	logFC	p-valor
ENSG00000200314.1	Y_RNA	-8,59346	9,26E-38
ENSG00000147378.11	FATE1	-8,41867	1,08E-22
ENSG00000287172.1	AC073091.1	-8,34046	7,72E-54
ENSG00000236656.1	AL365440.1	-8,29491	4,61E-21
ENSG00000280969.2	RPS4Y2	-8,28056	5,9E-181
ENSG00000135333.14	EPHA7	-8,03846	2,9E-157
ENSG00000287700.1	AL591378.1	-7,35301	1,23E-25
ENSG00000170688.4	OR5E1P	-7,28412	2,19E-36
ENSG00000202357.1	Y_RNA	-7,08881	2,67E-40
ENSG00000204960.7	BLACE	-7,07345	1,7E-113
ENSG00000253134.1	AC025437.1	-6,92021	1,42E-88
ENSG00000230945.1	LINC01507	-6,91724	1,37E-43
ENSG00000223806.8	LINC00114	-6,90776	2,1E-163
ENSG00000182334.3	OR5P3	-6,85133	2,54E-38
ENSG00000185737.13	NRG3	-6,83485	1,6E-103
ENSG00000199831.1	RN7SKP291	-6,82228	1,2E-113
ENSG00000198703.2	OR10R3P	-6,78147	8,97E-13
ENSG00000154646.9	TMPRSS15	-6,7037	9,6E-99
ENSG00000248210.2	LINC02355	-6,62562	1,41E-32
ENSG00000184302.7	SIX6	-6,55662	2,45E-42
ENSG00000225906.1	AP000949.1	-6,55646	2,15E-19
ENSG00000201955.1	RNY3P1	-6,47858	8,94E-78
ENSG00000276778.1	LINC02227	-6,42371	2E-120
ENSG00000260426.1	AC008060.4	-6,42012	6,82E-76
ENSG00000254350.1	AC091979.1	-6,41282	6,4E-46
ENSG00000166073.11	GPR176	-6,41133	8,9E-102
ENSG00000166349.10	RAG1	-6,34261	4,1E-100
ENSG00000165973.19	NELL1	-6,27955	5,25E-68
ENSG00000253673.1	AC025437.4	-6,26933	1,54E-63
ENSG00000249752.1	AC108156.1	-6,24353	3,74E-38
ENSG00000231082.1	LINC02655	-6,23315	1,53E-41
ENSG00000257458.1	AC069437.1	-6,2165	1,5E-18
ENSG00000218672.1	AC008060.1	-6,19061	3,28E-84
ENSG00000285578.1	AL035696.4	-6,18496	2,16E-93
ENSG00000178217.14	SH2D4B	-6,14356	1,2E-118
ENSG00000279715.1	AL161912.4	-6,09541	9,31E-44
ENSG00000232494.1	AL161912.1	-6,03473	3,77E-26
ENSG00000259779.1	LINC01922	-6,03318	3,81E-78

ENSG00000185028.4	LRRC14B	-6,02006	3,7E-102
ENSG00000172061.9	LRRC15	-6,00499	1,13E-91
ENSG00000153404.14	PLEKHG4B	-5,99801	4,56E-51
ENSG00000286720.1	AC097375.5	-5,98321	2,97E-92
ENSG00000263667.3	AL035696.3	-5,96597	1,61E-97
ENSG00000102970.11	CCL17	-5,96123	1E-119
ENSG00000238002.3	NPAP1P6	-5,91397	6,6E-80
ENSG00000228495.2	LINC01013	-5,91123	5,03E-75
ENSG00000196549.12	MME	-5,89569	1,38E-47
ENSG00000282842.1	FRG2EP	-5,82729	3,93E-39
ENSG00000240666.2	MME-AS1	-5,81456	4,04E-70
ENSG00000248740.6	LINC02428	-5,81415	8,3E-64
ENSG00000102935.12	ZNF423	-5,78954	2,87E-83
ENSG00000237293.1	AC007099.2	-5,74998	9,57E-15
ENSG00000227892.1	OR5P4P	-5,72728	1,05E-31
ENSG00000285739.1	AC010157.2	-5,7081	2,51E-16
ENSG00000227234.2	SPANXB1	-5,70018	1,53E-29
ENSG00000288083.1	AL121888.2	-5,69587	6,8E-21
ENSG00000254056.1	IGHV3-71	-5,69297	5,86E-53
ENSG00000175097.8	RAG2	-5,67455	1,63E-75
ENSG00000213231.13	TCL1B	-5,67392	2,42E-84
ENSG00000128218.8	VPREB3	-5,65679	1,38E-82
ENSG00000183378.12	OVCH2	-5,6323	7,63E-68
ENSG00000253424.1	AC025437.2	-5,61443	4,2E-60
ENSG00000107518.18	ATRNL1	-5,60793	2,13E-54
ENSG00000280366.1	AL161782.1	-5,60706	8,99E-25
ENSG00000169418.10	NPR1	-5,60538	5,46E-97
ENSG00000249815.1	AC004704.1	-5,55713	1,03E-29
ENSG00000183303.2	OR5P2	-5,55458	1,57E-28
ENSG00000221455.2	U3	-5,54509	2,12E-15
ENSG00000286617.1	AC084167.1	-5,52022	4,41E-16
ENSG00000101198.15	NKAIN4	-5,48948	5,67E-47
ENSG00000260564.1	AL161912.2	-5,48698	5,77E-48
ENSG00000248432.1	AC139718.1	-5,48143	1,52E-19
ENSG00000287358.1	AL096706.1	-5,47989	9,45E-29
ENSG00000272085.1	AC091979.2	-5,47463	7,6E-26
ENSG00000276668.1	AC104237.3	-5,45655	2,64E-33
ENSG00000280953.2	LINC01163	-5,43673	8,19E-77
ENSG00000180777.14	ANKRD30B	-5,39672	1,7E-55
ENSG00000180219.2	FAM71C	-5,37785	1,7E-18
ENSG00000204001.9	LCN8	-5,32202	9,01E-42
ENSG00000269155.2	AL009178.2	-5,29523	3,63E-33
ENSG00000153292.16	ADGRF1	-5,28332	6,75E-44
ENSG00000253449.1	AC025437.3	-5,26886	8,82E-69
ENSG00000254951.7	AC044810.2	-5,23511	5,21E-55

ENSG00000166408.4	OR5P1P	-5,22286	8,63E-23
ENSG00000253792.1	AC025437.5	-5,22204	1,46E-29
ENSG00000134762.17	DSC3	-5,21522	8,82E-57
ENSG00000286800.1	AC090348.1	-5,20512	6,21E-17
ENSG00000240563.2	L1TD1	-5,20089	2,8E-48
ENSG00000200488.1	RN7SKP203	-5,18174	7,61E-31
ENSG00000204092.2	LINC00951	-5,17805	2,73E-47
ENSG00000275620.1	FLJ16779	-5,1679	7,46E-51
ENSG00000286546.1	AL079338.1	-5,15483	3,07E-71
ENSG00000131620.17	ANO1	-5,15457	9,89E-58
ENSG00000207513.1	RNU1-3	-5,15438	2,39E-48
ENSG00000235688.2	SNTG2-AS1	-5,15111	1,98E-57
ENSG00000250307.2	TUBB8P3	-5,13501	8,84E-20
ENSG00000199666.2	SNORD3G	-5,11246	8,28E-41
ENSG00000179136.7	LINC00670	-5,10699	6,2E-34
ENSG00000228613.1	AC141930.1	-5,10489	3,13E-46
ENSG00000224482.1	HSFY4P	-5,0971	3,4E-19
ENSG00000095777.17	MYO3A	-5,07561	1,66E-57
ENSG00000213416.4	KRTAP4-12	-5,0752	6,68E-21
ENSG00000133878.9	DUSP26	-5,07252	4,77E-82
ENSG00000254167.2	IGHV8-51-1	-5,06351	3,14E-24
ENSG00000197430.11	OPALIN	-5,0465	3,33E-43
ENSG00000169575.5	VPREB1	-5,03241	7,4E-27
ENSG00000179796.12	LRRC3B	-5,02862	6,06E-50
ENSG00000253857.2	AC022679.1	-5,02814	1,71E-23
ENSG00000275612.1	AC104237.2	-5,02508	1,14E-23
ENSG00000254417.1	LINC02584	-5,00653	3,04E-29
ENSG00000124785.9	NRN1	-4,99252	8,11E-49
ENSG00000156564.9	LRFN2	-4,98544	2,87E-50
ENSG00000176769.9	TCERG1L	-4,97881	1,72E-59
ENSG00000187621.15	TCL6	-4,97741	1,53E-51
ENSG00000141052.18	MYOCD	-4,97216	4,16E-45
ENSG00000114200.10	BCHE	-4,9368	5,91E-31
ENSG00000203635.2	AC144450.1	-4,92991	9,51E-50
ENSG00000132854.19	KANK4	-4,92117	6,58E-46
ENSG00000188269.10	OR7A5	-4,92054	4,36E-33
ENSG00000269416.6	LINC01224	-4,88145	8,94E-64
ENSG00000139292.13	LGR5	-4,87256	1,84E-51
ENSG00000228877.2	AL669970.3	-4,86445	1,02E-37
ENSG00000265962.1	GACAT2	-4,85794	2,97E-67
ENSG00000287612.1	AP000474.2	-4,85373	6,89E-23
ENSG00000287544.1	AC097518.2	-4,8526	2,36E-45
ENSG00000171303.7	KCNK3	-4,84653	1,46E-58
ENSG00000255191.1	AP003555.2	-4,83976	5,2E-23
ENSG00000100721.11	TCL1A	-4,825	1,29E-36

ENSG00000117318.9	ID3	-4,82409	9,7E-59
ENSG00000253709.1	IGHV1-14	-4,8209	1,13E-30
ENSG00000151379.4	MSGN1	-4,81785	5,89E-25
ENSG00000212933.1	KRTAP12-4	-4,81155	4,04E-15
ENSG00000279197.1	AC010608.2	-4,80864	2,16E-23
ENSG00000233928.6	AL591501.1	-4,8038	2,73E-53
ENSG00000248994.2	AC124852.1	-4,78199	5,37E-58
ENSG00000163273.4	NPPC	-4,7773	5,56E-53
ENSG00000015413.9	DPEP1	-4,76712	1,77E-32
ENSG00000236760.1	AC019118.2	-4,75903	1,54E-78
ENSG00000137962.13	ARHGAP29	-4,75814	6,02E-35
ENSG00000252487.1	RNY4P20	-4,75768	3,46E-27
ENSG00000164330.17	EBF1	-4,75177	2,77E-45
ENSG00000275155.1	AC027348.1	-4,73448	1,39E-48
ENSG00000201901.1	RN7SKP48	-4,72198	1,14E-32
ENSG00000235142.10	LINC02532	-4,71832	1,92E-62
ENSG00000130226.17	DPP6	-4,71437	1,1E-50
ENSG00000181211.1	HECW1-IT1	-4,71293	7,89E-21
ENSG00000072832.15	CRMP1	-4,70791	4,38E-29
ENSG00000141738.14	GRB7	-4,70735	1,02E-81
ENSG00000201665.1	RN7SKP6	-4,70043	1,75E-41
ENSG00000223581.2	LINC02665	-4,69984	3,15E-23
ENSG00000227220.1	AL133346.1	-4,69983	3,86E-40
ENSG00000165816.13	VWA2	-4,69897	1,55E-37
ENSG00000131016.17	AKAP12	-4,69638	4,31E-39
ENSG00000270474.2	IGHV3-29	-4,67898	1,91E-42
ENSG00000153822.14	KCNJ16	-4,66955	4,12E-42
ENSG00000261742.6	LINC00922	-4,66662	2,29E-35
ENSG00000223631.2	LINC01120	-4,63017	1,13E-33
ENSG00000201201.1	RN7SKP118	-4,61923	1,65E-49
ENSG00000173805.16	HAP1	-4,60321	2,56E-60
ENSG00000212232.1	SNORD17	-4,60161	2,1E-50
ENSG00000287683.1	AL591519.1	-4,60057	8,56E-21
ENSG00000228789.8	HCG22	-4,58578	2,6E-35
ENSG00000250366.3	TUNAR	-4,57719	6,93E-56
ENSG00000252431.1	RNU6-1247P	-4,57566	7,5E-26
ENSG00000223795.2	AL669970.1	-4,5724	5,05E-40
ENSG00000107807.13	TLX1	-4,56977	1,25E-33
ENSG00000101746.15	NOL4	-4,56928	1,06E-26
ENSG00000224443.1	NME2P2	-4,56049	2,16E-35
ENSG00000199683.1	RN7SKP185	-4,54901	1,67E-57
ENSG00000161544.10	CYGB	-4,54742	2,41E-30
ENSG00000201098.1	RNY1	-4,5452	1,17E-42
ENSG00000101438.4	SLC32A1	-4,53553	2,44E-43
ENSG00000222969.1	RN7SKP8	-4,5286	5,75E-53

ENSG00000254709.8	IGLL5	-4,52799	6,74E-32
ENSG00000125879.5	OTOR	-4,49388	4,6E-36
ENSG00000237603.1	HMGB3P12	-4,49192	2,75E-37
ENSG00000250556.1	CCDC34P1	-4,44797	3,4E-16
ENSG00000067715.14	SYT1	-4,42098	1,88E-31
ENSG00000200243.1	RN7SKP79	-4,41903	1,63E-38
ENSG00000112214.10	FHL5	-4,40931	3,29E-13
ENSG00000222293.1	RNU2-36P	-4,4088	2,82E-34
ENSG00000249073.1	WSPAR	-4,40842	9,41E-25
ENSG00000254047.2	AC025437.6	-4,40263	3,97E-18
ENSG00000271394.1	7SK	-4,39343	8,36E-25
ENSG00000104237.11	RP1	-4,38399	1,28E-33
ENSG00000254135.3	AC091939.1	-4,38352	5,66E-27
ENSG00000202538.1	RNU4-2	-4,3818	2,36E-29
ENSG00000255193.1	LINC02726	-4,37747	7,38E-14
ENSG00000253976.1	AC022679.2	-4,37373	4,42E-19
ENSG00000176716.5	OR10AB1P	-4,37033	6,75E-34
ENSG00000185046.18	ANKS1B	-4,36839	1,05E-57
ENSG00000200312.1	RN7SKP255	-4,35568	2,08E-18
ENSG00000227150.1	AL669970.2	-4,35319	2,94E-17
ENSG00000254707.1	AC104237.1	-4,34794	2,77E-23
ENSG00000197588.9	KLKP1	-4,34475	4,44E-32
ENSG00000256574.8	OR13A1	-4,34387	8,58E-55
ENSG00000235564.2	AP000477.2	-4,34226	3,83E-17
ENSG00000226454.3	AL033380.1	-4,33489	2,82E-34
ENSG00000183580.10	FBXL7	-4,32839	4,94E-30
ENSG00000176771.17	NCKAP5	-4,3283	1,26E-32
ENSG00000270691.1	AL161912.3	-4,32152	5,27E-28
ENSG00000265929.1	MIR5195	-4,32036	3,72E-61
ENSG00000227051.7	C14orf132	-4,31962	9,16E-38
ENSG00000135116.9	HRK	-4,31864	1,07E-37
ENSG00000111262.6	KCNA1	-4,31526	6,77E-29
ENSG00000261441.1	AC124068.2	-4,3148	2,96E-77
ENSG00000237928.6	NFIA-AS2	-4,30799	5,03E-32
ENSG00000122585.8	NPY	-4,30733	2,17E-17
ENSG00000234423.2	LINC01250	-4,29651	8,29E-54
ENSG00000236075.1	AL359475.1	-4,28671	6,16E-23
ENSG00000285582.1	AC016042.1	-4,2853	4,2E-38
ENSG00000253456.1	AC136424.1	-4,27989	2,33E-42
ENSG00000259477.1	AC012653.1	-4,27766	1,74E-15
ENSG00000146938.16	NLGN4X	-4,27519	2,04E-27
ENSG00000245812.3	LINC02202	-4,2662	3,28E-51
ENSG00000204091.8	TDRG1	-4,25219	5,95E-36
ENSG00000231482.3	AC105450.1	-4,2506	1,04E-36
ENSG00000229269.1	AL451048.1	-4,24727	1,78E-16

ENSG00000261038.1	AL133457.1	-4,24159	1,04E-18
ENSG00000106018.14	VIPR2	-4,241	2E-37
ENSG00000202058.1	RN7SKP80	-4,23648	2,96E-26
ENSG00000113430.10	IRX4	-4,23247	8,42E-29
ENSG00000180525.13	PRR26	-4,22705	6,86E-45
ENSG00000286848.1	AC009570.2	-4,22669	2,08E-42
ENSG00000166897.16	ELFN2	-4,22195	4,27E-38
ENSG00000253811.1	AC136424.2	-4,2194	3,85E-41
ENSG00000235054.4	LINC01777	-4,18049	1,1E-12
ENSG00000226506.6	AC007463.1	-4,17935	2,49E-34
ENSG00000206596.1	RNU1-27P	-4,16	1,61E-37
ENSG00000230830.1	ARPP21-AS1	-4,15519	6E-21
ENSG00000189292.16	ALKAL2	-4,1542	7,79E-43
ENSG00000136237.19	RAPGEF5	-4,15102	9,77E-26
ENSG00000210678.1	RNU6ATAC2P	-4,14506	1,47E-15
ENSG00000107447.8	DNTT	-4,14472	7,7E-12
ENSG00000183196.10	CHST6	-4,14382	1,44E-36
ENSG00000278756.1	MIR6722	-4,13967	8,34E-26
ENSG00000234158.1	RPEP2	-4,13084	6,16E-19
ENSG00000234296.1	AL390961.1	-4,12791	1,73E-32
ENSG00000182963.11	GJC1	-4,12725	1,13E-52
ENSG00000287645.1	AC092939.1	-4,12614	1,62E-20
ENSG00000233208.6	LINC00642	-4,11855	1,01E-41
ENSG00000082497.12	SERTAD4	-4,11684	1,86E-25
ENSG00000002746.15	HECW1	-4,11677	1,31E-37
ENSG00000189184.12	PCDH18	-4,1153	3,03E-23
ENSG00000283766.1	AC141930.2	-4,1102	2,53E-16
ENSG00000158497.5	HMHB1	-4,10684	2,05E-25
ENSG00000126266.3	FFAR1	-4,10487	2,08E-32
ENSG00000153253.19	SCN3A	-4,10224	1,02E-17
ENSG00000235653.1	AC007253.1	-4,09745	2,37E-24
ENSG00000241657.1	TRBV11-2	-4,09677	8,21E-31
ENSG00000234726.1	AC245060.3	-4,09537	4,19E-23
ENSG00000105929.16	ATP6V0A4	-4,09043	2,29E-29
ENSG00000260089.2	ADAM3B	-4,08655	1,7E-19
ENSG00000222386.1	RN7SKP86	-4,08586	6,52E-25
ENSG00000286066.1	AC097375.4	-4,08582	1,27E-18
ENSG00000200795.1	RNU4-1	-4,08404	1,29E-23
ENSG00000258678.2	LINC02317	-4,08255	1,99E-26
ENSG00000202137.1	Y_RNA	-4,08254	2,28E-14
ENSG00000260172.2	LINC01413	-4,07653	1,31E-39
ENSG00000288101.1	AL359987.1	-4,07475	1,06E-18
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ENSG00000136883.14	KIF12	-4,05708	8,43E-34

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ENSG00000130037.5	KCNA5	-4,05007	4,09E-26
ENSG00000149256.16	TENM4	-4,04555	5,47E-21
ENSG00000127325.19	BEST3	-4,04467	5,9E-22
ENSG00000258039.2	AC117377.1	-4,04025	9,78E-10
ENSG00000223131.1	RNA5SP304	-4,03063	6,48E-16
ENSG00000133424.22	LARGE1	-4,02655	2,3E-35
ENSG00000226070.1	AL139275.1	-4,02603	1,13E-23
ENSG00000204011.5	COL5A1-AS1	-4,02502	4,54E-20
ENSG00000135144.7	DTX1	-4,02373	1,22E-25
ENSG00000187908.20	DMBT1	-4,02082	2,16E-26
ENSG00000184895.8	SRY	-4,01883	2,81E-22
ENSG00000171435.14	KSR2	-4,01851	6,09E-38
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ENSG00000231419.6	LINC00689	-4,00189	3,59E-15
ENSG00000197410.14	DCHS2	-4,00135	5,39E-26
ENSG00000254030.1	IGLC5	-3,99021	1,85E-26
ENSG00000114349.10	GNAT1	-3,98689	2,68E-34
ENSG00000002745.13	WNT16	-3,97673	7,95E-39
ENSG00000118402.6	ELOVL4	-3,97248	8,42E-32
ENSG00000285718.2	AL353072.2	-3,9713	3,72E-18
ENSG00000222626.1	RNU2-48P	-3,96517	4,77E-22
ENSG00000223039.1	RN7SKP268	-3,9614	9,26E-43
ENSG00000165349.12	SLC7A3	-3,955	9,5E-20
ENSG00000287292.1	AC002460.2	-3,95452	1,58E-38
ENSG00000211978.2	IGHV5-78	-3,9535	1,28E-47
ENSG00000185448.10	FAM47A	-3,94427	9,59E-11
ENSG00000207389.1	RNU1-4	-3,94121	8,9E-26
ENSG00000186493.13	C5orf38	-3,939	3,9E-16
ENSG00000254289.2	IGHV3-32	-3,93666	1,73E-22
ENSG00000007171.18	NOS2	-3,93155	1,5E-34
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ENSG00000233891.8	AC007179.2	-3,9179	1,99E-36
ENSG00000111404.7	RERGL	-3,90564	5,87E-13
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ENSG00000198691.13	ABCA4	-3,89951	4,39E-36
ENSG00000271955.2	AC007100.1	-3,8901	1,39E-41
ENSG00000233204.1	MAPRE1P3	-3,88615	2,79E-08
ENSG00000211710.3	TRBV4-1	-3,87958	5,34E-25
ENSG00000206588.1	RNU1-28P	-3,87437	5,36E-30
ENSG00000253934.2	MRPL49P2	-3,87366	2,4E-13
ENSG00000253359.1	IGHV3-37	-3,87295	5,68E-23

ENSG00000238961.1	SNORA47	-3,87149	5,33E-31
ENSG00000259432.1	AC023908.1	-3,86577	8,28E-15
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ENSG00000285981.1	AL591888.1	-3,85793	8,89E-14
ENSG00000001626.16	CFTR	-3,85414	2,04E-18
ENSG00000021645.20	NRXN3	-3,85203	5,87E-16
ENSG00000178522.14	AMBN	-3,84823	1,92E-22
ENSG00000202354.1	RNY3	-3,84259	1,03E-30
ENSG00000211749.1	TRBV23-1	-3,84217	1,17E-24
ENSG00000201428.1	RN7SKP71	-3,8407	5,3E-21
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ENSG00000172995.16	ARPP21	-3,81272	9,92E-10
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ENSG00000200156.1	RNU5B-1	-3,66864	1,09E-18
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