

The Multi-Pathway Transcriptomic Footprint of Latent EBV-LMP1 Signaling in Advanced Nasopharyngeal Carcinoma: Host TRAF1 Induction as a Transcriptomic Surrogate of Invisible Episomal LMP1 Signaling

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SUPPLEMENTARY MATERIAL

Table 1S. Curated Pathway Panel for Canonical TNF- α Signaling Architecture

Gene Symbol	Gene id	Gene Title	System
TNF	7124	tumor necrosis factor	TNF-alpha
TNFRSF1A	7132	TNF receptor superfamily member 1A	TNF-alpha
TNFRSF1B	7133	TNF receptor superfamily member 1B	TNF-alpha
RELA	5970	RELA proto-oncogene. NF-kB subunit	TNF-alpha
NFKB1	4790	nuclear factor kappa B subunit 1	TNF-alpha
IKBKB	3551	inhibitor of nuclear factor kappa B kinase subunit beta	TNF-alpha
CHUK	1147	component of inhibitor of nuclear factor kappa B kinase complex	TNF-alpha
IKBKG	8517	inhibitor of nuclear factor kappa B kinase subunit gamma	TNF-alpha
TRAF2	7186	TNF receptor associated factor 2	TNF-alpha
TRAF1	7185	TNF receptor associated factor 1	TNF-alpha
TRADD	8717	TNFRSF1A associated via death domain	TNF-alpha
FADD	8772	Fas associated via death domain	TNF-alpha
RIPK1	8737	receptor interacting serine/threonine kinase 1	TNF-alpha
CASP8	841	caspase 8	TNF-alpha
MAP3K7	6885	mitogen-activated protein kinase kinase kinase 7	TNF-alpha
TAB1	10454	TGF-beta activated kinase 1 binding protein 1	TNF-alpha
TAB2	23118	TGF-beta activated kinase 1 binding protein 2	TNF-alpha
TNFAIP3	7128	TNF alpha induced protein 3	TNF-alpha

Table 2S. Empirical Bayes Linear Modeling (R-limma) Output for the Host TNF Architecture (T3N2 Interface vs Healthy Controls)

Probe_ID	Gene Symbol	logFC	Fold_Change_Lineal	AveExpr	t	P.Value	adj.P.Val	B
202535_at	FADD	0.8439	1.7950	8.5544	3.9853	3.08E-04	7.97E-03	0.1921
206853_s_at	MAP3K7	0.9291	1.9040	8.1894	3.8374	4.73E-04	7.97E-03	-0.2091
205641_s_at	TRADD	-0.6371	-1.5550	8.8589	-3.6998	7.04E-04	7.97E-03	-0.5771
213443_at	TRADD	-0.3871	-1.3080	5.7459	-3.3979	1.65E-03	1.40E-02	-1.3629
210284_s_at	TAB2	0.3988	1.3180	6.9255	3.2709	2.34E-03	1.59E-02	-1.6833
202643_s_at	TNFAIP3	1.1033	2.1480	9.1894	3.1914	2.90E-03	1.64E-02	-1.8809
211027_s_at	IKBKB	-0.3101	-1.2400	4.6921	-2.9540	5.45E-03	2.45E-02	-2.4538
205599_at	TRAF1	0.6237	1.5410	7.7885	2.9322	5.77E-03	2.45E-02	-2.5052
1553306_at	CASP8	-0.2726	-1.2080	7.2874	-2.7927	8.25E-03	3.12E-02	-2.8280
202644_s_at	TNFAIP3	0.9237	1.8970	11.0748	2.7396	9.44E-03	3.21E-02	-2.9483
1729_at	TRADD	-0.4716	-1.3870	8.5200	-2.5652	1.45E-02	4.49E-02	-3.3325
209666_s_at	CHUK	0.4913	1.4060	8.0131	2.2828	2.83E-02	8.03E-02	-3.9170
211537_x_at	MAP3K7	0.3884	1.3090	7.2180	2.1530	3.80E-02	9.93E-02	-4.1687
212184_s_at	TAB2	0.4123	1.3310	8.6024	2.0203	5.07E-02	1.16E-01	-4.4141
206854_s_at	MAP3K7	0.5147	1.4290	9.1691	2.0169	5.11E-02	1.16E-01	-4.4203
203901_at	TAB1	-0.1906	-1.1410	5.5538	-1.8831	6.76E-02	1.44E-01	-4.6550
209941_at	RIPK1	-0.1520	-1.1110	7.3674	-1.5772	1.23E-01	2.47E-01	-5.1407
207686_s_at	CASP8	-0.1984	-1.1470	6.5451	-1.5120	1.39E-01	2.63E-01	-5.2348
209239_at	NFKB1	0.2064	1.1540	8.8693	1.4299	1.61E-01	2.75E-01	-5.3481
211536_x_at	MAP3K7	0.2212	1.1660	6.9845	1.4271	1.62E-01	2.75E-01	-5.3519
209878_s_at	RELA	-0.1082	-1.0780	6.6808	-1.2683	2.13E-01	3.42E-01	-5.5546
201783_s_at	RELA	0.1546	1.1130	8.5728	1.2449	2.21E-01	3.42E-01	-5.5826
235827_at	TAB1	-0.1022	-1.0730	7.0969	-1.2032	2.37E-01	3.50E-01	-5.6314
204413_at	TRAF2	0.1645	1.1210	7.4058	1.0664	2.93E-01	4.15E-01	-5.7806
209342_s_at	IKBKB	0.1607	1.1180	6.8488	0.9042	3.72E-01	4.96E-01	-5.9355
207113_s_at	TNF	0.1750	1.1290	7.0448	0.8897	3.79E-01	4.96E-01	-5.9481
203508_at	TNFRSF1B	0.2531	1.1920	6.9038	0.7520	4.57E-01	5.75E-01	-6.0585
209929_s_at	IKBKG	-0.0891	-1.0640	7.6405	-0.6609	5.13E-01	6.23E-01	-6.1217
207643_s_at	TNFRSF1A	0.0990	1.0710	8.0089	0.5896	5.59E-01	6.43E-01	-6.1657
36004_at	IKBKG	-0.0614	-1.0430	8.4065	-0.5773	5.67E-01	6.43E-01	-6.1727
209341_s_at	IKBKB	0.0803	1.0570	9.1512	0.3629	7.19E-01	7.88E-01	-6.2724
213373_s_at	CASP8	-0.0625	-1.0440	9.2408	-0.2826	7.79E-01	8.28E-01	-6.2982
226551_at	RIPK1	-0.0297	-1.0210	8.0193	-0.2076	8.37E-01	8.62E-01	-6.3164
235116_at	TRAF1	-0.0147	-1.0100	4.8764	-0.1687	8.67E-01	8.67E-01	-6.3237

Table 3S. Curated Pathway Panel for the Host IL-6 Transduction Core

Gene Symbol	Gene id	Gene Title	System
IL6		3569 interleukin 6	IL-6
IL6R		3570 interleukin 6 receptor	IL-6
IL6ST		3572 interleukin 6 cytokine family signal transducer	IL-6
JAK1		3716 Janus kinase 1	IL-6
JAK2		3717 Janus kinase 2	IL-6
STAT3		6774 signal transducer and activator of transcription 3	IL-6
CEBPB		1051 CCAAT enhancer binding protein beta	IL-6
GRB2		2885 growth factor receptor bound protein 2	IL-6
SHC1		6464 SHC adaptor protein 1	IL-6
SOS1		6654 SOS Ras/Rac guanine nucleotide exchange factor 1	IL-6
HRAS		3265 HRas proto-oncogene. GTPase	IL-6
RAF1		5894 Raf-1 proto-oncogene. serine/threonine kinase	IL-6
MAP2K1		5604 mitogen-activated protein kinase kinase 1	IL-6
MAPK3		5595 mitogen-activated protein kinase 3	IL-6
ELK1		2002 ETS transcription factor ELK1	IL-6
FOS		2353 Fos proto-oncogene. AP-1 transcription factor subunit	IL-6
JUN		3725 Jun proto-oncogene. AP-1 transcription factor subunit	IL-6
SOCS3		9006 suppressor of cytokine signaling 3	IL-6

Table 4S. Empirical Bayes Linear Modeling (R-limma) Output for the IL-6 Transduction Matrix (T3N2 Interface vs Healthy Controls)

Probe_ID	Gene Symbol	logFC	Fold_Change_Lineal	AveExpr	t	P.Value	adj.P.Val	B
212046_x_at	MAPK3	-0.5227	-1.4370	7.7930	-5.1309	9.87E-06	4.64E-04	3.3193
205841_at	JAK2	1.0149	2.0210	7.3075	3.0496	4.26E-03	7.29E-02	-2.4436
225289_at	STAT3	0.4857	1.4000	7.7478	3.0072	4.77E-03	7.29E-02	-2.5467
227426_at	SOS1	0.7395	1.6700	8.7508	2.9058	6.21E-03	7.29E-02	-2.7894
1562031_at	JAK2	0.5893	1.5050	6.0847	2.3239	2.58E-02	1.55E-01	-4.0754
209189_at	FOS	-0.9716	-1.9610	7.6561	-2.2391	3.14E-02	1.55E-01	-4.2457
201244_s_at	RAF1	-0.3733	-1.2950	9.3444	-2.2218	3.26E-02	1.55E-01	-4.2799
234967_at	IL6ST	-0.2193	-1.1640	4.5724	-2.2149	3.31E-02	1.55E-01	-4.2934
205842_s_at	JAK2	0.6759	1.5980	7.8448	2.1907	3.50E-02	1.55E-01	-4.3409
201466_s_at	JUN	0.9032	1.8700	7.9130	2.1842	3.55E-02	1.55E-01	-4.3536
202670_at	MAP2K1	0.3526	1.2770	9.7237	2.1374	3.94E-02	1.55E-01	-4.4438
208992_s_at	STAT3	0.2810	1.2150	8.4603	2.1036	4.24E-02	1.55E-01	-4.5081
208991_at	STAT3	0.4880	1.4030	9.5610	2.0998	4.28E-02	1.55E-01	-4.5151
212501_at	CEBPB	0.5296	1.4440	8.5619	1.9864	5.46E-02	1.83E-01	-4.7245
212780_at	SOS1	0.3332	1.2600	7.5901	1.5798	1.23E-01	3.85E-01	-5.3957
205207_at	IL6	-0.2397	-1.1810	6.8884	-1.4941	1.44E-01	4.22E-01	-5.5203
201464_x_at	JUN	0.3138	1.2430	9.1601	1.2322	2.26E-01	5.77E-01	-5.8627
223049_at	GRB2	-0.2193	-1.1640	9.8062	-1.1785	2.46E-01	5.77E-01	-5.9254
201469_s_at	SHC1	0.1140	1.0820	5.5791	1.1314	2.65E-01	5.77E-01	-5.9783
239695_at	JAK1	0.2024	1.1510	6.4931	1.1221	2.69E-01	5.77E-01	-5.9885
228572_at	GRB2	-0.1667	-1.1220	8.1432	-1.0830	2.86E-01	5.77E-01	-6.0306
240613_at	JAK1	0.1291	1.0940	5.5731	1.0825	2.86E-01	5.77E-01	-6.0312
234474_x_at	IL6ST	-0.0849	-1.0610	4.7259	-1.0704	2.92E-01	5.77E-01	-6.0439
203617_x_at	ELK1	0.1459	1.1060	8.3772	1.0638	2.94E-01	5.77E-01	-6.0508
201465_s_at	JUN	-0.1969	-1.1460	5.9675	-1.0250	3.12E-01	5.87E-01	-6.0904
1557354_at	SOS1	0.1645	1.1210	4.0190	0.8852	3.82E-01	6.78E-01	-6.2219
1552611_a_at	JAK1	0.2228	1.1670	7.2256	0.8635	3.94E-01	6.78E-01	-6.2406
205945_at	IL6R	-0.2973	-1.2290	6.7389	-0.8448	4.04E-01	6.78E-01	-6.2565
204864_s_at	IL6ST	-0.1066	-1.0770	5.9740	-0.8031	4.27E-01	6.80E-01	-6.2904
217489_s_at	IL6R	0.0727	1.0520	4.0638	0.7674	4.48E-01	6.80E-01	-6.3183
226333_at	IL6R	-0.2915	-1.2240	7.5045	-0.7529	4.56E-01	6.80E-01	-6.3292
230337_at	SOS1	0.2772	1.2120	8.1452	0.7337	4.68E-01	6.80E-01	-6.3434
1557675_at	RAF1	0.1022	1.0730	8.1117	0.6671	5.09E-01	6.80E-01	-6.3899
210376_x_at	ELK1	0.0728	1.0520	7.1312	0.6543	5.17E-01	6.80E-01	-6.3983
201648_at	JAK1	0.1618	1.1190	10.8689	0.6288	5.33E-01	6.80E-01	-6.4146
215075_s_at	GRB2	0.1134	1.0820	8.3273	0.6217	5.38E-01	6.80E-01	-6.4190
1552610_a_at	JAK1	0.1660	1.1220	7.3675	0.6189	5.40E-01	6.80E-01	-6.4208
212196_at	IL6ST	-0.1176	-1.0850	7.9197	-0.6032	5.50E-01	6.80E-01	-6.4304
212777_at	SOS1	0.0621	1.0440	6.8168	0.5408	5.92E-01	7.13E-01	-6.4660
204863_s_at	IL6ST	0.1362	1.0990	5.8427	0.4369	6.65E-01	7.65E-01	-6.5170
243213_at	STAT3	0.0582	1.0410	6.0367	0.4334	6.67E-01	7.65E-01	-6.5185
212983_at	HRAS	-0.0861	-1.0620	6.9982	-0.3962	6.94E-01	7.77E-01	-6.5340
210850_s_at	ELK1	0.0581	1.0410	6.5531	0.2313	8.18E-01	8.95E-01	-6.5861
211000_s_at	IL6ST	0.0413	1.0290	6.1414	0.1700	8.66E-01	9.25E-01	-6.5985
214853_s_at	SHC1	0.0053	1.0040	9.3474	0.0401	9.68E-01	9.74E-01	-6.6123
212195_at	IL6ST	0.0105	1.0070	10.5018	0.0390	9.69E-01	9.74E-01	-6.6123
213281_at	JUN	-0.0060	-1.0040	6.4904	-0.0331	9.74E-01	9.74E-01	-6.6125

Table 5S. Curated Pathway Panel for the S100 Calcium-Binding Family

Gene Symbol	Gene id	Gene Title	System
S100A1	6271	S100 calcium binding protein A1	Proteínas S100
S100A2	6273	S100 calcium binding protein A2	Proteínas S100
S100A3	6274	S100 calcium binding protein A3	Proteínas S100
S100A4	6275	S100 calcium binding protein A4	Proteínas S100
S100A5	6276	S100 calcium binding protein A5	Proteínas S100
S100A6	6277	S100 calcium binding protein A6	Proteínas S100
S100A7	6278	S100 calcium binding protein A7	Proteínas S100
S100A8	6279	S100 calcium binding protein A8	Proteínas S100
S100A9	6280	S100 calcium binding protein A9	Proteínas S100
S100A10	6281	S100 calcium binding protein A10	Proteínas S100
S100A11	6282	S100 calcium binding protein A11	Proteínas S100
S100A12	6283	S100 calcium binding protein A12	Proteínas S100
S100A13	6284	S100 calcium binding protein A13	Proteínas S100
S100A14	57402	S100 calcium binding protein A14	Proteínas S100
S100A16	142246	S100 calcium binding protein A16	Proteínas S100
S100B	6285	S100 calcium binding protein B	Proteínas S100
S100G	795	S100 calcium binding protein G	Proteínas S100
S100P	6286	S100 calcium binding protein P	Proteínas S100
S100Z	170505	S100 calcium binding protein Z	Proteínas S100

Table 6S. Empirical Bayes Linear Modeling (R-limma) Output for the S100 Structural Regulators (T3N2 Interface vs Healthy Controls)

Probe_ID	Gene Symbol	logFC	Fold_Change _Lineal	AveExpr	t	P.Value	adj.P.Val	B
204351_at	S100P	-4.4039	-21.1700	8.7779	-10.1841	6.08E-12	1.34E-10	17.1131
217728_at	S100A6	-1.3173	-2.4920	9.8541	-4.9621	1.85E-05	2.04E-04	2.2079
203535_at	S100A9	-2.6350	-6.2120	8.0430	-3.3407	2.02E-03	1.48E-02	-2.3495
202598_at	S100A13	-0.6744	-1.5960	8.7232	-3.2313	2.71E-03	1.49E-02	-2.6296
214370_at	S100A8	-1.6924	-3.2320	6.0496	-2.6708	1.15E-02	4.14E-02	-3.9795
203186_s_at	S100A4	-0.6482	-1.5670	8.3385	-2.6071	1.34E-02	4.14E-02	-4.1225
204268_at	S100A2	-1.6109	-3.0540	9.6694	-2.5805	1.43E-02	4.14E-02	-4.1816
205334_at	S100A1	-0.3073	-1.2370	6.8712	-2.5590	1.50E-02	4.14E-02	-4.2291
202917_s_at	S100A8	-2.4329	-5.4000	9.7128	-2.5058	1.71E-02	4.18E-02	-4.3455
228923_at	S100A6	-0.2872	-1.2200	6.2453	-2.3078	2.71E-02	5.97E-02	-4.7631
205863_at	S100A12	-0.9411	-1.9200	5.7824	-2.0060	5.27E-02	1.05E-01	-5.3502
200660_at	S100A11	-0.5110	-1.4250	9.2700	-1.8411	7.42E-02	1.36E-01	-5.6435
206027_at	S100A3	-0.2213	-1.1660	5.9485	-1.7250	9.35E-02	1.58E-01	-5.8375
209686_at	S100B	0.4971	1.4110	6.0719	1.6135	1.16E-01	1.82E-01	-6.0139
205916_at	S100A7	-0.5953	-1.5110	4.6700	-1.4838	1.47E-01	2.08E-01	-6.2062
207763_at	S100A5	-0.1583	-1.1160	5.1541	-1.4662	1.52E-01	2.08E-01	-6.2312
218677_at	S100A14	-0.7734	-1.7090	9.6909	-1.4178	1.65E-01	2.14E-01	-6.2987
200872_at	S100A10	-0.4271	-1.3440	10.3024	-1.3515	1.85E-01	2.27E-01	-6.3877
213481_at	S100A13	0.1350	1.0980	6.5461	0.9889	3.30E-01	3.82E-01	-6.8053
207885_at	S100G	-0.0373	-1.0260	5.2964	-0.3621	7.19E-01	7.91E-01	-7.2321
238909_at	S100A10	-0.0863	-1.0620	6.8258	-0.3020	7.64E-01	8.01E-01	-7.2525
1561521_at	S100B	-0.0098	-1.0070	3.4131	-0.1564	8.77E-01	8.77E-01	-7.2867

Table 7S. Functional Subgroups of the 91-Variable EGFL8 Pathway Grid

Gene Symbol	Gene id	Gene Title	System
EGFL8	115797	epidermal growth factor like domain multiple 8	General upstream modulator
NOTCH1	4851	notch receptor 1	Notch Signaling
NOTCH2	4853	notch receptor 2	Notch Signaling
HES1	3280	hes family bHLH transcription factor 1	Notch Signaling
HEY1	23462	hes related family bHLH transcription factor with YRPW motif 1	Notch Signaling
MMP2	4313	matrix metalloproteinase 2	Notch Signaling / Invasion
MMP9	4318	matrix metalloproteinase 9	Notch Signaling / Invasion
ZEB1	6935	zinc finger E-box binding homeobox 1	Notch Signaling / EMT
MAPK1	5594	mitogen-activated protein kinase 1 (ERK2)	ERK/MAPK pathway
MAPK3	5595	mitogen-activated protein kinase 3 (ERK1)	ERK/MAPK pathway
RAF1	5894	Raf-1 proto-oncogene. serine/threonine kinase	ERK/MAPK pathway
MAP2K1	5604	mitogen-activated protein kinase kinase 1 (MEK1)	ERK/MAPK pathway
FOS	2353	FOS proto-oncogene. AP-1 transcription factor subunit	ERK/MAPK pathway
JUN	3725	JUN proto-oncogene. AP-1 transcription factor subunit	ERK/MAPK pathway
CDK1	983	cyclin dependent kinase 1	Cell Cycle / Apoptosis
CDK4	1019	cyclin dependent kinase 4	Cell Cycle / Apoptosis
CDK6	1021	cyclin dependent kinase 6	Cell Cycle / Apoptosis
CCND1	595	cyclin D1	Cell Cycle / Apoptosis
BCL2	596	BCL2 apoptosis regulator	Cell Cycle / Apoptosis
BCL2L1	598	BCL2 like 1 (Bcl-xL)	Cell Cycle / Apoptosis
FASLG	356	Fas ligand	Cell Cycle / Apoptosis
VEGFA	7422	vascular endothelial growth factor A	Angiogenesis / Immune Regulation
THBS1	7057	thrombospondin 1	Angiogenesis / Immune Regulation
NRP1	8829	neuropilin 1	Angiogenesis / Immune Regulation
ANGPTL1	9068	angiopoietin like 1	Angiogenesis / Immune Regulation
CXCL5	6374	C-X-C motif chemokine ligand 5	Angiogenesis / Immune Regulation
CXCL10	3627	C-X-C motif chemokine ligand 10	Angiogenesis / Immune Regulation
CXCL16	58191	C-X-C motif chemokine ligand 16	Angiogenesis / Immune Regulation
CCL20	6364	C-C motif chemokine ligand 20	Angiogenesis / Immune Regulation
CD74	972	CD74 molecule	Angiogenesis / Immune Regulation
NFKB2	4791	nuclear factor kappa B subunit 2	Angiogenesis / Immune Regulation
IRF7	3665	interferon regulatory factor 7	Angiogenesis / Immune Regulation

Table 8S. Empirical Bayes Linear Modeling (R-limma) Key Targets Output for the Integrated EGFL8 Landscape (T3N2 Interface vs Healthy Controls)

Probe_ID	Gene Symbol	logFC	Fold_Change_Lineal	AveExpr	t	P.Value	adj.P.Val	B
204533_at	CXCL10	2.6114	6.1110	10.6514	6.9199	4.70E-08	4.28E-06	8.3949
212046_x_at	MAPK3	-0.5227	-1.4370	7.7930	-5.3886	4.86E-06	1.49E-04	3.8309
203213_at	CDK1	1.5660	2.9610	9.6899	5.3859	4.90E-06	1.49E-04	3.8226
202246_s_at	CDK4	1.3628	2.5720	9.8692	5.0847	1.22E-05	2.79E-04	2.9267
1567627_at	CD74	-0.6184	-1.5350	6.2935	-4.1646	1.92E-04	3.39E-03	0.2517
210559_s_at	CDK1	1.3044	2.4700	8.9829	4.1121	2.24E-04	3.39E-03	0.1037
223508_at	NOTCH1	-0.3395	-1.2650	5.6323	-3.8168	5.25E-04	6.83E-03	-0.7168
224620_at	MAPK1	-0.2592	-1.1970	7.4171	-3.7478	6.39E-04	7.27E-03	-0.9052
201069_at	MMP2	0.5716	1.4860	7.8598	3.3642	1.86E-03	1.89E-02	-1.9232
203214_x_at	CDK1	1.0398	2.0560	8.4526	3.3192	2.11E-03	1.92E-02	-2.0390
218839_at	HEY1	-0.7919	-1.7310	8.0223	-3.2210	2.75E-03	2.27E-02	-2.2892
44783_s_at	HEY1	-0.8490	-1.8010	9.5173	-3.1761	3.10E-03	2.35E-02	-2.4021
224339_s_at	ANGPTL1	-0.2751	-1.2100	5.4511	-2.9492	5.63E-03	3.94E-02	-2.9595
203395_s_at	HES1	-0.8343	-1.7830	7.2616	-2.8466	7.32E-03	4.76E-02	-3.2033
231534_at	CDK1	0.4294	1.3470	5.6180	2.7703	8.88E-03	5.39E-02	-3.3813
210865_at	FASLG	0.5229	1.4370	7.1026	2.6923	1.08E-02	6.14E-02	-3.5598
210512_s_at	VEGFA	0.9753	1.9660	9.1558	2.6571	1.18E-02	6.30E-02	-3.6395
203394_s_at	HES1	-0.8186	-1.7640	7.5154	-2.5977	1.36E-02	6.88E-02	-3.7720
218902_at	NOTCH1	0.6766	1.5980	8.1715	2.5742	1.44E-02	6.89E-02	-3.8241
203685_at	BCL2	1.4731	2.7760	8.8668	2.5537	1.51E-02	6.89E-02	-3.8691
201110_s_at	THBS1	1.3195	2.4960	6.9155	2.5092	1.69E-02	7.30E-02	-3.9660
212298_at	NRP1	1.0403	2.0570	6.7626	2.4701	1.85E-02	7.65E-02	-4.0501
212377_s_at	NOTCH2	-0.4707	-1.3860	8.2594	-2.3724	2.33E-02	8.92E-02	-4.2562
235086_at	THBS1	0.3764	1.2980	6.3424	2.3678	2.35E-02	8.92E-02	-4.2658
208351_s_at	MAPK1	-0.2678	-1.2040	6.4851	-2.3371	2.52E-02	9.19E-02	-4.3292
202443_x_at	NOTCH2	-0.4147	-1.3330	9.4116	-2.3133	2.67E-02	9.33E-02	-4.3781
201244_s_at	RAF1	-0.3733	-1.2950	9.3444	-2.2387	3.16E-02	1.06E-01	-4.5286
209189_at	FOS	-0.9716	-1.9610	7.6561	-2.2130	3.35E-02	1.09E-01	-4.5795
201466_s_at	JUN	0.9032	1.8700	7.9130	2.1594	3.77E-02	1.15E-01	-4.6844
202670_at	MAP2K1	0.3526	1.2770	9.7237	2.1554	3.80E-02	1.15E-01	-4.6922
1552264_a_at	MAPK1	-0.2631	-1.2000	6.5923	-2.0964	4.33E-02	1.27E-01	-4.8054
229847_at	MAPK1	-0.1607	-1.1180	6.3841	-2.0713	4.57E-02	1.30E-01	-4.8527
201109_s_at	THBS1	0.5832	1.4980	6.2625	2.0236	5.07E-02	1.40E-01	-4.9414
208712_at	CCND1	0.8319	1.7800	9.3132	1.8941	6.64E-02	1.78E-01	-5.1740
224848_at	CDK6	0.5858	1.5010	7.3654	1.8665	7.03E-02	1.79E-01	-5.2220
208711_s_at	CCND1	0.5774	1.4920	6.1002	1.8543	7.21E-02	1.79E-01	-5.2432
231198_at	CDK6	-0.2092	-1.1560	5.1228	-1.8346	7.50E-02	1.79E-01	-5.2769
215775_at	THBS1	-0.1498	-1.1090	6.0836	-1.8344	7.51E-02	1.79E-01	-5.2773
206665_s_at	BCL2L1	-0.1948	-1.1450	4.1106	-1.8172	7.77E-02	1.79E-01	-5.3064
239336_at	THBS1	-0.2035	-1.1510	4.1427	-1.8102	7.88E-02	1.79E-01	-5.3181
207535_s_at	NFKB2	0.2081	1.1550	5.3845	1.7961	8.11E-02	1.80E-01	-5.3419
203684_s_at	BCL2	0.2716	1.2070	7.1766	1.7848	8.29E-02	1.80E-01	-5.3608
203393_at	HES1	-0.2372	-1.1790	6.0401	-1.7116	9.58E-02	2.03E-01	-5.4805
1552263_at	MAPK1	-0.3405	-1.2660	6.7243	-1.6866	1.01E-01	2.06E-01	-5.5205
215037_s_at	BCL2L1	-0.1811	-1.1340	5.6621	-1.6798	1.02E-01	2.06E-01	-5.5312
231228_at	BCL2L1	-0.1398	-1.1020	6.8706	-1.6062	1.17E-01	2.32E-01	-5.6456
1561365_at	NRP1	0.1100	1.0790	3.5907	1.5440	1.32E-01	2.55E-01	-5.7387
1567628_at	CD74	-0.2111	-1.1580	5.3305	-1.4824	1.47E-01	2.72E-01	-5.8278
207852_at	CXCL5	-0.0966	-1.0690	3.4771	-1.4815	1.47E-01	2.72E-01	-5.8291

202445_s_at	NOTCH2	-0.1613	-1.1180	6.1379	-1.4742	1.49E-01	2.72E-01	-5.8394
235287_at	CDK6	0.3286	1.2560	4.3560	1.4527	1.55E-01	2.77E-01	-5.8696
231773_at	ANGPTL1	-0.1996	-1.1480	3.8588	-1.3648	1.81E-01	3.17E-01	-5.9889
211333_s_at	FASLG	0.1757	1.1290	5.9325	1.3523	1.85E-01	3.17E-01	-6.0053
203936_s_at	MMP9	0.7750	1.7110	9.6424	1.3235	1.94E-01	3.25E-01	-6.0426
227067_x_at	NOTCH2NL	-0.4135	-1.3320	8.0188	-1.3173	1.96E-01	3.25E-01	-6.0506
214974_x_at	CXCL5	0.4912	1.4060	4.7878	1.2575	2.17E-01	3.52E-01	-6.1254
1566678_at	MMP2	-0.1109	-1.0800	6.8424	-1.2469	2.21E-01	3.52E-01	-6.1383
201464_x_at	JUN	0.3138	1.2430	9.1601	1.2256	2.28E-01	3.58E-01	-6.1640
212764_at	ZEB1	0.3476	1.2720	7.4160	1.2059	2.36E-01	3.59E-01	-6.1875
215101_s_at	CXCL5	-0.0992	-1.0710	3.9411	-1.2034	2.37E-01	3.59E-01	-6.1904
201107_s_at	THBS1	-0.1652	-1.1210	5.4832	-1.1417	2.61E-01	3.90E-01	-6.2613
212758_s_at	ZEB1	0.2216	1.1660	6.2464	1.0860	2.85E-01	4.18E-01	-6.3223
207004_at	BCL2	-0.1183	-1.0850	5.6336	-1.0674	2.93E-01	4.23E-01	-6.3420
201465_s_at	JUN	-0.1969	-1.1460	5.9675	-1.0273	3.11E-01	4.42E-01	-6.3836
201108_s_at	THBS1	0.1742	1.1280	7.3106	1.0080	3.20E-01	4.42E-01	-6.4029
212171_x_at	VEGFA	0.1796	1.1330	8.1517	1.0075	3.21E-01	4.42E-01	-6.4034
209619_at	CD74	-0.3078	-1.2380	11.5453	-0.9212	3.63E-01	4.93E-01	-6.4860
205476_at	CCL20	0.5020	1.4160	11.5551	0.8212	4.17E-01	5.58E-01	-6.5729
212312_at	BCL2L1	-0.1178	-1.0850	8.2618	-0.7562	4.55E-01	6.00E-01	-6.6241
207143_at	CDK6	-0.1266	-1.0920	6.4864	-0.7240	4.74E-01	6.16E-01	-6.6480
210615_at	NRP1	0.1049	1.0750	6.1284	0.7061	4.85E-01	6.20E-01	-6.6609
212271_at	MAPK1	0.1335	1.0970	8.8414	0.6972	4.90E-01	6.20E-01	-6.6671
1557675_at	RAF1	0.1022	1.0730	8.1117	0.6753	5.04E-01	6.28E-01	-6.6822
1566677_at	MMP2	-0.0479	-1.0340	4.2330	-0.6071	5.48E-01	6.65E-01	-6.7262
210510_s_at	NRP1	0.0966	1.0690	6.0792	0.6069	5.48E-01	6.65E-01	-6.7264
211527_x_at	VEGFA	0.1214	1.0880	6.6921	0.4788	6.35E-01	7.60E-01	-6.7966
243000_at	CDK6	-0.0973	-1.0700	5.4594	-0.4449	6.59E-01	7.79E-01	-6.8124
210875_s_at	ZEB1	0.0322	1.0230	3.6868	0.3659	7.17E-01	8.36E-01	-6.8449
211524_at	NFKB2	0.0254	1.0180	5.3595	0.3372	7.38E-01	8.48E-01	-6.8551
210513_s_at	VEGFA	-0.0496	-1.0350	6.8095	-0.3267	7.46E-01	8.48E-01	-6.8587
210756_s_at	NOTCH2	0.0229	1.0160	7.5189	0.2672	7.91E-01	8.87E-01	-6.8766
208436_s_at	IRF7	0.0853	1.0610	7.8568	0.2564	7.99E-01	8.87E-01	-6.8795
209636_at	NFKB2	-0.0419	-1.0290	5.6999	-0.2260	8.23E-01	8.96E-01	-6.8870
239183_at	ANGPTL1	-0.0154	-1.0110	3.5859	-0.2197	8.27E-01	8.96E-01	-6.8884
224847_at	CDK6	0.0639	1.0450	7.9149	0.1637	8.71E-01	9.27E-01	-6.8993
224851_at	CDK6	0.0830	1.0590	8.1460	0.1568	8.76E-01	9.27E-01	-6.9004
239952_at	ZEB1	-0.0072	-1.0050	4.8140	-0.0632	9.50E-01	9.81E-01	-6.9109
207005_s_at	BCL2	0.0054	1.0040	5.4399	0.0529	9.58E-01	9.81E-01	-6.9115
224621_at	MAPK1	0.0055	1.0040	10.1455	0.0388	9.69E-01	9.81E-01	-6.9122
213281_at	JUN	-0.0060	-1.0040	6.4904	-0.0332	9.74E-01	9.81E-01	-6.9124
223454_at	CXCL16	-0.0046	-1.0030	8.2385	-0.0238	9.81E-01	9.81E-01	-6.9127