

Figure S1. The forest map showed 10 DElncRNAs pairs identified by univariate (A) and multivariate (B) Cox proportional hazard regression.

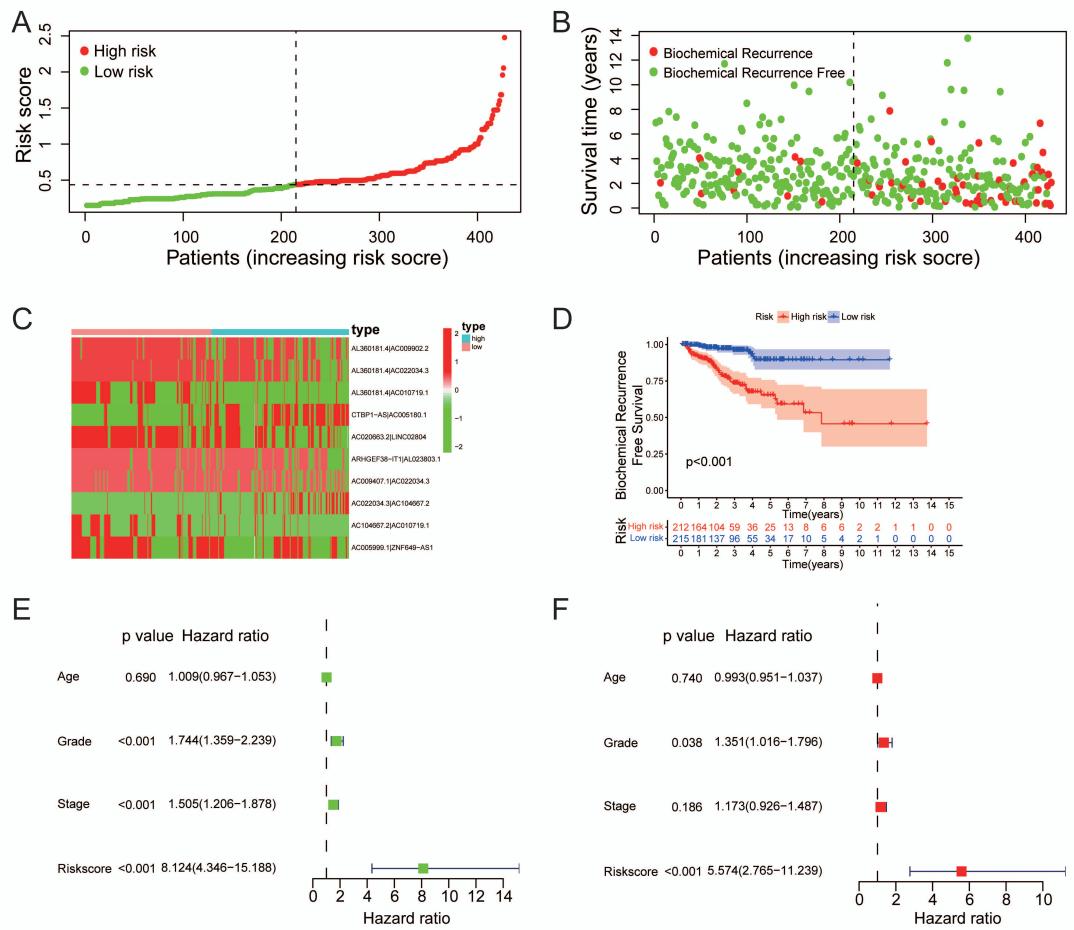


Figure S2. Evaluation of a risk model for prostate cancer in the entire set. (A) The risk curve of each sample reordered by risk score. (B)The scatter plot of the samples of BCR. (C) Heatmap showed the expression profiles of the signature in the low-risk group and high-risk group. (D) Biochemical recurrence analysis for the signature. (E) Forest plot for univariate Cox regression analysis. (F) Forest plot for multivariate Cox regression analysis.

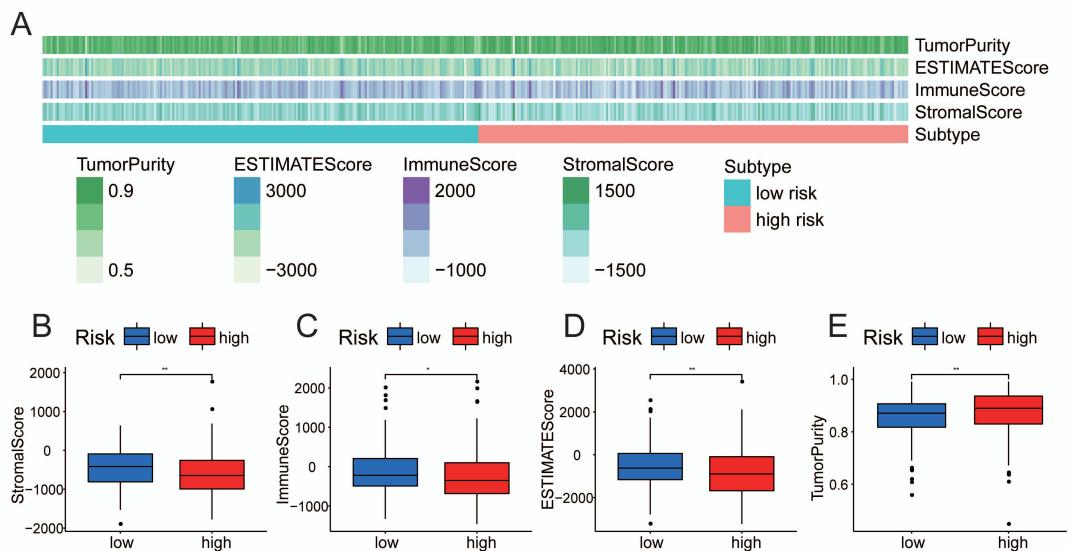


Figure S3. The role of the signature in the tumor microenvironment. (A) Distribution of tumor purity, ESTIMATE score, immune score, and stromal score in low- and high-risk groups. The statistical differences in stromal score (B), immune score (C), ESTIMATE score (D), and tumor purity (E). *P< 0.05 and **P< 0.01.

TableS1. Identification of 795 irlncRNAs by co-expression analysis

immuneG lncRNA	cor	pvalue	Regulation
SLC22A1 LINC0175	0.51996	6.58E-36	postive
APOBEC LINC0175	0.5055	1.00E-33	postive
LCN12 AL022328	0.50131	4.12E-33	postive
LMBR1L AL022328	0.59663	1.95E-49	postive
IRF3 AL022328	0.51527	3.45E-35	postive
C8G AL022328	0.58378	6.49E-47	postive
LTB4R AL022328	0.52271	2.46E-36	postive
AGER AL022328	0.62176	1.04E-54	postive
CD4 AC090559	0.64515	4.53E-60	postive
CTSS AC090559	0.56165	7.95E-43	postive
FCER1G AC090559	0.54623	3.73E-40	postive
HLA-DOA AC090559	0.53014	1.65E-37	postive
HLA-DQA AC090559	0.51566	3.01E-35	postive
MR1 AC090559	0.52479	1.16E-36	postive
CIITA AC090559	0.71737	4.88E-80	postive
ZC3HAV1AC090559	0.53762	1.01E-38	postive
TLR2 AC090559	0.55657	6.25E-42	postive
CYBB AC090559	0.69364	7.97E-73	postive
TLR7 AC090559	0.66778	9.97E-66	postive
TNFAIP3 AC090559	0.63462	1.34E-57	postive
CYLD AC090559	0.6444	6.86E-60	postive
TLR1 AC090559	0.6979	4.57E-74	postive
MX2 AC090559	0.57615	1.81E-45	postive
TCF7L2 AC090559	0.5568	5.71E-42	postive
SP1 AC090559	0.50646	7.24E-34	postive
JAK1 AC090559	0.57954	4.16E-46	postive
IL7R AC090559	0.8203	#####	postive
TRIM22 AC090559	0.68663	7.97E-71	postive
SERPINA AC090559	0.53698	1.29E-38	postive
CCL22 AC090559	0.60432	5.32E-51	postive
CCR7 AC090559	0.51944	7.90E-36	postive
CCR5 AC090559	0.63089	9.50E-57	postive
CCR1 AC090559	0.65886	1.95E-63	postive
CXCR4 AC090559	0.55666	6.03E-42	postive
CXCR6 AC090559	0.59807	9.99E-50	postive
JAK2 AC090559	0.67572	7.95E-68	postive
CD86 AC090559	0.64834	7.74E-61	postive
HCK AC090559	0.51059	1.76E-34	postive
BTK AC090559	0.58176	1.58E-46	postive
NFAT5 AC090559	0.72032	5.48E-81	postive
NFATC3 AC090559	0.6098	3.85E-52	postive
PIK3R5 AC090559	0.57957	4.10E-46	postive
PIK3R1 AC090559	0.51379	5.79E-35	postive
PIK3CD AC090559	0.5351	2.61E-38	postive
INPP5D AC090559	0.5818	1.55E-46	postive
PLCG2 AC090559	0.56382	3.26E-43	postive
PRKCB AC090559	0.57107	1.58E-44	postive
SLIT2 AC090559	0.54871	1.42E-40	postive
CMKLR1 AC090559	0.58234	1.22E-46	postive
CX3CR1 AC090559	0.53172	9.19E-38	postive
PLXNC1 AC090559	0.76779	3.76E-98	postive
PTAFR AC090559	0.60753	1.15E-51	postive
ADA2 AC090559	0.51374	5.90E-35	postive
IL16 AC090559	0.59182	1.77E-48	postive

IL24	AC090551	0.658	3.20E-63	postive
TNFSF13	AC090551	0.52013	6.19E-36	postive
C3AR1	AC090551	0.56839	4.87E-44	postive
CRLF3	AC090551	0.53603	1.84E-38	postive
CSF1R	AC090551	0.61892	4.31E-54	postive
CSF2RA	AC090551	0.64459	6.17E-60	postive
CSF2RB	AC090551	0.50423	1.54E-33	postive
CSF3R	AC090551	0.61834	5.77E-54	postive
IL10RA	AC090551	0.66823	7.69E-66	postive
IL2RB	AC090551	0.5424	1.64E-39	postive
IL18R1	AC090551	0.55365	2.01E-41	postive
IL2RG	AC090551	0.50172	3.59E-33	postive
PGR	AC090551	0.54899	1.27E-40	postive
RORA	AC090551	0.69751	5.94E-74	postive
TGFBR2	AC090551	0.59175	1.82E-48	postive
ITGAL	AC090551	0.57328	6.17E-45	postive
ITGB2	AC090551	0.52139	3.94E-36	postive
LCP2	AC090551	0.81931	#####	postive
FYN	AC090551	0.69023	7.59E-72	postive
SOS1	AC090551	0.65484	1.98E-62	postive
PRKCA	AC090551	0.53537	2.36E-38	postive
CD3E	AC090551	0.5129	7.88E-35	postive
CD3G	AC090551	0.59906	6.32E-50	postive
PTPRC	AC090551	0.73962	1.64E-87	postive
CD28	AC090551	0.56058	1.23E-42	postive
MAP3K8	AC090551	0.54983	9.13E-41	postive
CBL	AC090551	0.59368	7.56E-49	postive
TRAC	AC090551	0.50314	2.23E-33	postive
CIITA	AP003391	0.50919	2.84E-34	postive
LEAP2	AP003391	0.51982	6.91E-36	postive
ZC3HAV1	AP003391	0.5387	6.73E-39	postive
ZC3HAV1	AP003391	0.59887	6.90E-50	postive
CYLD	AP003391	0.53843	7.45E-39	postive
EIF2AK2	AP003391	0.53282	6.12E-38	postive
SP1	AP003391	0.54254	1.55E-39	postive
DDX17	AP003391	0.73685	1.54E-86	postive
JAK2	AP003391	0.54305	1.28E-39	postive
NFAT5	AP003391	0.75152	7.90E-92	postive
NFATC3	AP003391	0.58484	4.06E-47	postive
SLIT2	AP003391	0.51986	6.80E-36	postive
PLXNC1	AP003391	0.52449	1.30E-36	postive
CRLF3	AP003391	0.61459	3.70E-53	postive
NR2C2	AP003391	0.73817	5.32E-87	postive
RORA	AP003391	0.77323	#####	postive
SOS1	AP003391	0.6168	1.24E-53	postive
PRKCA	AP003391	0.56309	4.40E-43	postive
CBL	AP003391	0.6309	9.47E-57	postive
CBLB	AP003391	0.54289	1.36E-39	postive
SEM1	DLG5-AS	0.54034	3.60E-39	postive
AP3B1	DLG5-AS	-0.53596	1.89E-38	negative
RFXANK	DLG5-AS	0.57544	2.45E-45	postive
PSME3	DLG5-AS	-0.50289	2.42E-33	negative
UBXN1	DLG5-AS	0.50273	2.56E-33	postive
UBR1	DLG5-AS	-0.51069	1.70E-34	negative
S100A13	DLG5-AS	0.59128	2.26E-48	postive
IRF3	DLG5-AS	0.53777	9.56E-39	postive

MAPK1	DLG5-AS	-0.52057	5.29E-36	negative
BECN1	DLG5-AS	-0.54761	2.19E-40	negative
IREB2	DLG5-AS	-0.5215	3.79E-36	negative
MAP2K2	DLG5-AS	0.5477	2.11E-40	postive
LANCL1	DLG5-AS	-0.54695	2.83E-40	negative
HRAS	DLG5-AS	0.58622	2.20E-47	postive
CLEC11A	DLG5-AS	0.5185	1.11E-35	postive
NENF	DLG5-AS	0.54604	4.02E-40	postive
UCN	DLG5-AS	0.53766	9.98E-39	postive
IGF2R	DLG5-AS	-0.54397	8.95E-40	negative
NR2F6	DLG5-AS	0.51092	1.57E-34	postive
PTPN11	DLG5-AS	-0.51621	2.47E-35	negative
LCN12	LINC0197	0.53591	1.93E-38	postive
NFAT5	AL138689	0.55331	2.31E-41	postive
AKT3	AL138689	0.52596	7.60E-37	postive
RORA	AL138689	0.60723	1.32E-51	postive
CBL	AL138689	0.56066	1.19E-42	postive
SYTL1	AC007114	0.53983	4.38E-39	postive
MYDGF	AC007114	0.50116	4.33E-33	postive
RABEP2	AC007114	0.54038	3.55E-39	postive
DDX17	AL645568	0.5813	1.93E-46	postive
NFAT5	AL645568	0.56349	3.73E-43	postive
RORA	AL645568	0.63898	1.30E-58	postive
PRKCA	AL645568	0.51422	4.98E-35	postive
LEAP2	TMEM161	0.56971	2.80E-44	postive
AGER	TMEM161	0.51532	3.39E-35	postive
CREB1	AC007401	0.6516	1.24E-61	postive
PSMC3	AC007401	-0.52003	6.41E-36	negative
AP3B1	AC007401	0.50061	5.21E-33	postive
ADRM1	AC007401	-0.55072	6.43E-41	negative
UBR1	AC007401	0.52788	3.78E-37	postive
MAPK1	AC007401	0.57603	1.90E-45	postive
EIF2AK2	AC007401	0.53784	9.32E-39	postive
MAPK8	AC007401	0.5569	5.47E-42	postive
SP1	AC007401	0.62284	6.00E-55	postive
JAK1	AC007401	0.51197	1.09E-34	postive
IREB2	AC007401	0.58188	1.50E-46	postive
MAP2K2	AC007401	-0.51616	2.52E-35	negative
PPP4C	AC007401	-0.50117	4.31E-33	negative
TANK	AC007401	0.55311	2.49E-41	postive
NFAT5	AC007401	0.5228	2.38E-36	postive
NFATC3	AC007401	0.52142	3.90E-36	postive
HRAS	AC007401	-0.55902	2.33E-42	negative
PIK3R1	AC007401	0.53976	4.50E-39	postive
ACVR2A	AC007401	0.5606	1.22E-42	postive
ACVR2B	AC007401	0.51491	3.91E-35	postive
BMPR1A	AC007401	0.52745	4.42E-37	postive
BMPR2	AC007401	0.57598	1.94E-45	postive
NR2C2	AC007401	0.59692	1.70E-49	postive
NR2F6	AC007401	-0.51989	6.74E-36	negative
PPARA	AC007401	0.58798	9.99E-48	postive
PTPN11	AC007401	0.57315	6.52E-45	postive
SOS1	AC007401	0.5806	2.62E-46	postive
SOS2	AC007401	0.66633	2.40E-65	postive
CBLB	AC007401	0.50066	5.11E-33	postive
BPIFB1	AP000851	0.60292	1.03E-50	postive

CCL23	AP00085	0.5079	4.42E-34	positive
LEAP2	MUC20-C	0.67497	1.27E-67	positive
LMBR1L	MUC20-C	0.59163	1.93E-48	positive
DDX17	MUC20-C	0.66112	5.21E-64	positive
RORA	MUC20-C	0.53715	1.21E-38	positive
RFXANK	LINC0131	0.54752	2.26E-40	positive
UBXN1	LINC0131	0.51942	7.96E-36	positive
MAP2K2	LINC0131	0.55832	3.08E-42	positive
PPP4C	LINC0131	0.51948	7.80E-36	positive
HRAS	LINC0131	0.57845	6.69E-46	positive
NR2F6	LINC0131	0.53249	6.92E-38	positive
PTPN11	LINC0131	-0.53416	3.71E-38	negative
ZC3HAV1AC00449	AC00449	0.51521	3.52E-35	positive
ZC3HAV1AC00449	AC00449	0.63004	1.48E-56	positive
SP1	AC00449	0.51681	2.01E-35	positive
DDX17	AC00449	0.63603	6.32E-58	positive
NFAT5	AC00449	0.80627	#####	positive
NFATC3	AC00449	0.6329	3.31E-57	positive
AKT3	AC00449	0.53569	2.10E-38	positive
SLIT2	AC00449	0.5561	7.54E-42	positive
PLXNC1	AC00449	0.51315	7.23E-35	positive
CRLF3	AC00449	0.54586	4.32E-40	positive
NR2C2	AC00449	0.5934	8.58E-49	positive
RORA	AC00449	0.84598	#####	positive
SOS1	AC00449	0.63806	2.14E-58	positive
PRKCA	AC00449	0.57907	5.11E-46	positive
CBL	AC00449	0.64455	6.29E-60	positive
AZGP1	AL360181	0.55994	1.60E-42	positive
SYTL1	AL360181	0.55227	3.49E-41	positive
ZC3HAV1SOS1-IT1	0.53192	8.55E-38	positive	
ZC3HAV1SOS1-IT1	0.587	1.55E-47	positive	
EIF2AK2	SOS1-IT1	0.50723	5.56E-34	positive
DDX17	SOS1-IT1	0.54208	1.85E-39	positive
NFAT5	SOS1-IT1	0.70793	4.41E-77	positive
NFATC3	SOS1-IT1	0.55801	3.49E-42	positive
AKT3	SOS1-IT1	0.57033	2.15E-44	positive
CRLF3	SOS1-IT1	0.54659	3.24E-40	positive
NR2C2	SOS1-IT1	0.53976	4.49E-39	positive
RORA	SOS1-IT1	0.77719	#####	positive
SOS1	SOS1-IT1	0.65966	1.23E-63	positive
CBL	SOS1-IT1	0.66872	5.72E-66	positive
LEAP2	AC00526	0.53607	1.81E-38	positive
MR1	PLBD1-A	0.5701	2.37E-44	positive
DUOX1	PLBD1-A	0.55216	3.65E-41	positive
APOBEC	PLBD1-A	0.65019	2.74E-61	positive
SEMA5A	PLBD1-A	0.50439	1.46E-33	positive
ROBO1	PLBD1-A	0.51504	3.73E-35	positive
ANGPT1	PLBD1-A	0.54394	9.05E-40	positive
PSMC5	AC01096	0.56199	6.92E-43	positive
RFXANK	AC01096	0.59878	7.18E-50	positive
UBXN1	AC01096	0.55485	1.25E-41	positive
MAPK1	AC01096	-0.50951	2.55E-34	negative
LMBR1	AC01096	-0.51154	1.27E-34	negative
BECN1	AC01096	-0.5156	3.07E-35	negative
IREB2	AC01096	-0.50447	1.42E-33	negative
SYTL1	AC01096	0.53242	7.10E-38	positive

MAP2K2	AC01096	0.5923	1.42E-48	postive
HRAS	AC01096	0.5922	1.49E-48	postive
GSK3B	AC01096	-0.54599	4.10E-40	negative
NENF	AC01096	0.56329	4.06E-43	postive
UCN	AC01096	0.53228	7.47E-38	postive
IGF2R	AC01096	-0.52944	2.13E-37	negative
NR2F6	AC01096	0.54666	3.16E-40	postive
PTPN11	AC01096	-0.56101	1.03E-42	negative
PAK2	AC01096	-0.51321	7.08E-35	negative
IL7R	AC01340	0.56638	1.13E-43	postive
DDX17	AC01340	0.53319	5.32E-38	postive
NFAT5	AC01340	0.71598	1.35E-79	postive
NFATC3	AC01340	0.52686	5.48E-37	postive
RORA	AC01340	0.67527	1.05E-67	postive
SOS1	AC01340	0.53564	2.13E-38	postive
PRKCA	AC01340	0.5402	3.81E-39	postive
ZC3HAV1AC00877	I	0.5571	5.04E-42	postive
ZC3HAV1AC00877	I	0.64047	5.83E-59	postive
EIF2AK2	AC00877	0.53207	8.08E-38	postive
SP1	AC00877	0.57115	1.52E-44	postive
DDX17	AC00877	0.63735	3.13E-58	postive
NFAT5	AC00877	0.79161	#####	postive
NFATC3	AC00877	0.65765	3.92E-63	postive
AKT3	AC00877	0.55207	3.78E-41	postive
SLIT2	AC00877	0.52239	2.76E-36	postive
ACVR2B	AC00877	0.52548	9.04E-37	postive
CRLF3	AC00877	0.57223	9.66E-45	postive
NR2C2	AC00877	0.67567	8.18E-68	postive
PPARA	AC00877	0.5065	7.14E-34	postive
RORA	AC00877	0.81202	#####	postive
SOS1	AC00877	0.6613	4.71E-64	postive
PRKCA	AC00877	0.55121	5.31E-41	postive
CBL	AC00877	0.658	3.21E-63	postive
DDX17	AC13988	0.62686	7.67E-56	postive
NR2C2	AC13988	0.59515	3.85E-49	postive
CREB1	AC01050	-0.56734	7.55E-44	negative
MR1	AC01050	-0.50631	7.62E-34	negative
PSMC5	AC01050	0.52818	3.39E-37	postive
RFX5	AC01050	-0.51767	1.48E-35	negative
RFXANK	AC01050	0.58809	9.50E-48	postive
ERAP1	AC01050	-0.54682	2.97E-40	negative
UBR1	AC01050	-0.6035	7.84E-51	negative
NFKB1	AC01050	-0.55759	4.14E-42	negative
MAPK1	AC01050	-0.52031	5.81E-36	negative
LRP1	AC01050	-0.52918	2.34E-37	negative
STAT3	AC01050	-0.50562	9.63E-34	negative
MAPK14	AC01050	-0.61794	7.06E-54	negative
EIF2AK2	AC01050	-0.53228	7.47E-38	negative
AHNAK	AC01050	-0.54319	1.21E-39	negative
LMBR1	AC01050	-0.50009	6.19E-33	negative
SP1	AC01050	-0.51689	1.95E-35	negative
BECN1	AC01050	-0.53652	1.53E-38	negative
JAK1	AC01050	-0.62055	1.91E-54	negative
IREB2	AC01050	-0.57055	1.96E-44	negative
ILK	AC01050	-0.52326	2.01E-36	negative
IFNAR2	AC01050	-0.53463	3.11E-38	negative

SYTL1	AC01050:	0.50103	4.53E-33	postive
SEPTIN7	AC01050:	-0.53133	1.06E-37	negative
MAP2K2	AC01050:	0.57203	1.05E-44	postive
LANCL1	AC01050:	-0.52319	2.07E-36	negative
MIF	AC01050:	0.51052	1.80E-34	postive
PPP3CB	AC01050:	-0.50253	2.73E-33	negative
HRAS	AC01050:	0.57546	2.43E-45	postive
PIK3R1	AC01050:	-0.5358	2.01E-38	negative
PIK3CA	AC01050:	-0.51932	8.24E-36	negative
MYDGF	AC01050:	0.60426	5.47E-51	postive
NENF	AC01050:	0.53467	3.06E-38	postive
RABEP2	AC01050:	0.55073	6.41E-41	postive
UCN	AC01050:	0.56545	1.66E-43	postive
BMPR2	AC01050:	-0.57828	7.20E-46	negative
CRIM1	AC01050:	-0.61293	8.38E-53	negative
NR2C2	AC01050:	-0.58461	4.50E-47	negative
NR2F6	AC01050:	0.65718	5.17E-63	postive
NR3C1	AC01050:	-0.5322	7.68E-38	negative
OSMR	AC01050:	-0.50089	4.74E-33	negative
PPARA	AC01050:	-0.52797	3.65E-37	negative
TGFB2	AC01050:	-0.53571	2.08E-38	negative
PTPN11	AC01050:	-0.61822	6.12E-54	negative
SOS1	AC01050:	-0.5356	2.16E-38	negative
SOS2	AC01050:	-0.60335	8.42E-51	negative
AP3B1	AP00116(	-0.55177	4.24E-41	negative
RFXANK	AP00116(	0.50928	2.76E-34	postive
LEAP2	AP00116(	0.55131	5.10E-41	postive
LCN12	AP00116(	0.57046	2.04E-44	postive
LMBR1L	AP00116(	0.58684	1.66E-47	postive
IRF3	AP00116(	0.55094	5.91E-41	postive
C8G	AP00116(	0.51771	1.46E-35	postive
LANCL1	AP00116(	-0.51352	6.37E-35	negative
AGER	AP00116(	0.66724	1.40E-65	postive
HRAS	AP00116(	0.52166	3.58E-36	postive
UCN	AP00116(	0.56627	1.18E-43	postive
IL7R	AC10469(	0.59062	3.04E-48	postive
SERPINA	AC10469(	0.52609	7.24E-37	postive
RORA	AC10469(	0.51553	3.15E-35	postive
LCP2	AC10469(	0.5063	7.63E-34	postive
FYN	AC10469(	0.52311	2.13E-36	postive
IL7R	AL12179(	0.53686	1.35E-38	postive
NFAT5	AL12179(	0.70872	2.53E-77	postive
NFATC3	AL12179(	0.55049	7.04E-41	postive
RORA	AL12179(	0.67756	2.53E-68	postive
SOS1	AL12179(	0.52629	6.74E-37	postive
SDC4	BHLHE40	0.69451	4.47E-73	postive
SSTR1	BHLHE40	0.51043	1.86E-34	postive
CANX	AC00694(	-0.53843	7.46E-39	negative
CREB1	AC00694(	-0.53317	5.36E-38	negative
PSMC3	AC00694(	0.53197	8.39E-38	postive
PSMC5	AC00694(	0.5423	1.71E-39	postive
PSMD4	AC00694(	0.52464	1.23E-36	postive
AP3B1	AC00694(	-0.55023	7.81E-41	negative
RFXANK	AC00694(	0.66742	1.25E-65	postive
PSME3	AC00694(	-0.51179	1.16E-34	negative
UBXN1	AC00694(	0.57826	7.24E-46	postive

UBR1	AC00694:	-0.51962	7.42E-36	negative
S100A13	AC00694:	0.60065	3.01E-50	postive
IRF3	AC00694:	0.64791	9.82E-61	postive
MAPK1	AC00694:	-0.56078	1.13E-42	negative
IREB2	AC00694:	-0.52217	2.98E-36	negative
SYTL1	AC00694:	0.50742	5.21E-34	postive
MAP2K2	AC00694:	0.68045	4.13E-69	postive
LANCL1	AC00694:	-0.52239	2.76E-36	negative
PPP4C	AC00694:	0.50507	1.16E-33	postive
HRAS	AC00694:	0.6402	6.73E-59	postive
NFKBIB	AC00694:	0.51048	1.83E-34	postive
GSK3B	AC00694:	-0.55066	6.60E-41	negative
CLEC11A	AC00694:	0.51201	1.07E-34	postive
NENF	AC00694:	0.55273	2.90E-41	postive
NMB	AC00694:	0.51323	7.04E-35	postive
UCN	AC00694:	0.50098	4.60E-33	postive
VEGFB	AC00694:	0.52697	5.27E-37	postive
IGF2R	AC00694:	-0.52469	1.21E-36	negative
NR2F6	AC00694:	0.59162	1.94E-48	postive
OGFR	AC00694:	0.52817	3.39E-37	postive
PTPN11	AC00694:	-0.56565	1.53E-43	negative
SOS2	AC00694:	-0.53326	5.19E-38	negative
PAK2	AC00694:	-0.50894	3.10E-34	negative
CREB1	AF13121:	0.5497	9.63E-41	postive
PSMC3	AF13121:	-0.52384	1.64E-36	negative
PSMD4	AF13121:	-0.50161	3.73E-33	negative
PSMD13	AF13121:	-0.51512	3.63E-35	negative
ADRM1	AF13121:	-0.51137	1.34E-34	negative
UBXN1	AF13121:	-0.58047	2.78E-46	negative
UBR1	AF13121:	0.61214	1.23E-52	postive
ZC3HAV1	AF13121:	0.5657	1.49E-43	postive
ZC3HAV1	AF13121:	0.52693	5.35E-37	postive
MAPK1	AF13121:	0.66702	1.59E-65	postive
NEDD4	AF13121:	0.6082	8.31E-52	postive
CYLD	AF13121:	0.50945	2.60E-34	postive
EIF2AK2	AF13121:	0.5173	1.69E-35	postive
SP1	AF13121:	0.62323	4.93E-55	postive
IREB2	AF13121:	0.54421	8.18E-40	postive
PPP4C	AF13121:	-0.52011	6.23E-36	negative
JAK2	AF13121:	0.50802	4.25E-34	postive
NFAT5	AF13121:	0.60055	3.15E-50	postive
NFATC3	AF13121:	0.60839	7.60E-52	postive
HRAS	AF13121:	-0.50739	5.28E-34	negative
AKT3	AF13121:	0.54494	6.15E-40	postive
NR2C2	AF13121:	0.5702	2.28E-44	postive
PPARA	AF13121:	0.50129	4.15E-33	postive
RORA	AF13121:	0.5292	2.33E-37	postive
PTPN11	AF13121:	0.50981	2.30E-34	postive
SOS1	AF13121:	0.64136	3.60E-59	postive
CBL	AF13121:	0.60892	5.89E-52	postive
CREB1	FGD5-AS	0.71923	1.24E-80	postive
NFYA	FGD5-AS	0.5135	6.41E-35	postive
PSMC3	FGD5-AS	-0.63094	9.28E-57	negative
PSMC5	FGD5-AS	-0.63673	4.36E-58	negative
PSMD4	FGD5-AS	-0.55794	3.60E-42	negative
PSMD5	FGD5-AS	0.51113	1.46E-34	postive

PSMD10	FGD5-AS	0.5208	4.87E-36	postive
PSMD13	FGD5-AS	-0.51822	1.22E-35	negative
RFX5	FGD5-AS	0.55158	4.59E-41	postive
AP3B1	FGD5-AS	0.55508	1.14E-41	postive
RFXANK	FGD5-AS	-0.68022	4.77E-69	negative
PSME3	FGD5-AS	0.52995	1.76E-37	postive
UBXN1	FGD5-AS	-0.62711	6.75E-56	negative
UBR1	FGD5-AS	0.64779	1.05E-60	postive
S100A13	FGD5-AS	-0.54941	1.08E-40	negative
IRF3	FGD5-AS	-0.52445	1.31E-36	negative
MAPK1	FGD5-AS	0.71534	2.15E-79	postive
CYLD	FGD5-AS	0.54641	3.49E-40	postive
MAPK14	FGD5-AS	0.63254	4.00E-57	postive
EIF2AK2	FGD5-AS	0.59796	1.05E-49	postive
MAPK8	FGD5-AS	0.57882	5.68E-46	postive
ADAR	FGD5-AS	0.54975	9.43E-41	postive
AHNAK	FGD5-AS	0.5081	4.13E-34	postive
LMBR1	FGD5-AS	0.65455	2.33E-62	postive
SP1	FGD5-AS	0.64952	4.01E-61	postive
ECD	FGD5-AS	0.5912	2.34E-48	postive
DCK	FGD5-AS	0.62671	8.31E-56	postive
JAK1	FGD5-AS	0.56601	1.31E-43	postive
IREB2	FGD5-AS	0.65855	2.34E-63	postive
SYTL1	FGD5-AS	-0.52448	1.30E-36	negative
SEPTIN7	FGD5-AS	0.6282	3.85E-56	postive
MAP2K2	FGD5-AS	-0.67425	1.97E-67	negative
LANCL1	FGD5-AS	0.63915	1.19E-58	postive
TANK	FGD5-AS	0.62714	6.64E-56	postive
TBK1	FGD5-AS	0.66882	5.39E-66	postive
JAK2	FGD5-AS	0.57313	6.59E-45	postive
PTK2	FGD5-AS	0.59945	5.25E-50	postive
HRAS	FGD5-AS	-0.64197	2.58E-59	negative
KRAS	FGD5-AS	0.60843	7.45E-52	postive
NRAS	FGD5-AS	0.59547	3.33E-49	postive
CHUK	FGD5-AS	0.56511	1.91E-43	postive
PIK3CA	FGD5-AS	0.63301	3.13E-57	postive
GSK3B	FGD5-AS	0.70264	1.78E-75	postive
MYDGF	FGD5-AS	-0.60853	7.10E-52	negative
CD320	FGD5-AS	-0.63668	4.47E-58	negative
CMTM6	FGD5-AS	0.66061	7.05E-64	postive
GMFB	FGD5-AS	0.61737	9.37E-54	postive
NENF	FGD5-AS	-0.59896	6.62E-50	negative
NMB	FGD5-AS	-0.53983	4.38E-39	negative
RABEP2	FGD5-AS	-0.53549	2.26E-38	negative
BMPR1A	FGD5-AS	0.51792	1.36E-35	postive
BMPR2	FGD5-AS	0.68593	1.25E-70	postive
CRIM1	FGD5-AS	0.52335	1.95E-36	postive
CRLF3	FGD5-AS	0.51259	8.78E-35	postive
EGFR	FGD5-AS	0.52782	3.86E-37	postive
IL1RAP	FGD5-AS	0.50849	3.61E-34	postive
NR1D2	FGD5-AS	0.61856	5.16E-54	postive
NR2C2	FGD5-AS	0.69735	6.64E-74	postive
NR2F2	FGD5-AS	0.52024	5.94E-36	postive
NR2F6	FGD5-AS	-0.61782	7.49E-54	negative
PPARA	FGD5-AS	0.55062	6.69E-41	postive
PTPN11	FGD5-AS	0.76413	1.10E-96	postive

SHC2	FGD5-AS	-0.50834	3.81E-34	negative
SOS1	FGD5-AS	0.62599	1.21E-55	postive
SOS2	FGD5-AS	0.73518	5.87E-86	postive
RAF1	FGD5-AS	0.60488	4.08E-51	postive
NCK1	FGD5-AS	0.56825	5.17E-44	postive
PAK2	FGD5-AS	0.67286	4.64E-67	postive
CBL	FGD5-AS	0.53561	2.16E-38	postive
CBLB	FGD5-AS	0.574	4.54E-45	postive
LEAP2	AC00902	0.56206	6.71E-43	postive
LMBR1L	AC00902	0.53005	1.70E-37	postive
DDX17	AC00902	0.61412	4.67E-53	postive
IRF9	AC00902	0.56077	1.14E-42	postive
JAG1	HAGLR	0.58781	1.08E-47	postive
SSTR1	HAGLR	0.57065	1.89E-44	postive
BIRC5	MAFG-D1	0.52161	3.65E-36	postive
HDGF	MAFG-D1	0.51247	9.15E-35	postive
LEAP2	NDUFV2-	0.61558	2.28E-53	postive
TGFB2	TGFB2-A	0.88725	#####	postive
CRIM1	TGFB2-A	0.51403	5.32E-35	postive
NRP2	TGFB2-A	0.5063	7.65E-34	postive
PGR	TGFB2-A	0.50685	6.33E-34	postive
DDX17	AC02711	0.513	7.63E-35	postive
FAM3B	PCOTH	0.56688	9.17E-44	postive
CANX	AC06928	-0.57739	1.06E-45	negative
CREB1	AC06928	-0.57633	1.67E-45	negative
PSMC3	AC06928	0.56344	3.80E-43	postive
PSMC5	AC06928	0.5589	2.44E-42	postive
PSMD4	AC06928	0.53906	5.87E-39	postive
PSME2	AC06928	0.50717	5.69E-34	postive
SEM1	AC06928	0.53453	3.23E-38	postive
AP3B1	AC06928	-0.60337	8.35E-51	negative
RFXANK	AC06928	0.71664	8.36E-80	postive
PSME3	AC06928	-0.51864	1.05E-35	negative
ADRM1	AC06928	0.50518	1.12E-33	postive
UBXN1	AC06928	0.6008	2.80E-50	postive
UBR1	AC06928	-0.5844	4.93E-47	negative
S100A13	AC06928	0.62635	9.98E-56	postive
LCN12	AC06928	0.54535	5.25E-40	postive
IRF3	AC06928	0.69397	6.39E-73	postive
C8G	AC06928	0.57725	1.12E-45	postive
MAPK1	AC06928	-0.64604	2.77E-60	negative
LMBR1	AC06928	-0.5171	1.81E-35	negative
SP1	AC06928	-0.54864	1.46E-40	negative
BECN1	AC06928	-0.50914	2.89E-34	negative
IREB2	AC06928	-0.58901	6.28E-48	negative
SYTL1	AC06928	0.60056	3.13E-50	postive
MAP2K2	AC06928	0.71522	2.35E-79	postive
LANCL1	AC06928	-0.57789	8.52E-46	negative
PPP4C	AC06928	0.53863	6.90E-39	postive
AGER	AC06928	0.53908	5.82E-39	postive
HRAS	AC06928	0.7282	1.39E-83	postive
CHUK	AC06928	-0.50909	2.95E-34	negative
NFKBIB	AC06928	0.52338	1.93E-36	postive
GSK3B	AC06928	-0.56451	2.45E-43	negative
CD320	AC06928	0.50505	1.17E-33	postive
CLEC11A	AC06928	0.50814	4.08E-34	postive

CMTM6	AC06928	-0.51683	1.99E-35	negative
GMFB	AC06928	-0.50718	5.67E-34	negative
NENF	AC06928	0.55737	4.53E-42	postive
RABEP2	AC06928	0.56038	1.34E-42	postive
UCN	AC06928	0.54145	2.36E-39	postive
BMPR2	AC06928	-0.57876	5.85E-46	negative
IGF2R	AC06928	-0.58798	1.00E-47	negative
NR2F6	AC06928	0.65405	3.09E-62	postive
OGFR	AC06928	0.60634	2.03E-51	postive
PPARA	AC06928	-0.52343	1.90E-36	negative
TNFRSF1A	AC06928	0.51695	1.91E-35	postive
PTPN11	AC06928	-0.63154	6.76E-57	negative
SOS2	AC06928	-0.57753	9.97E-46	negative
PAK2	AC06928	-0.50337	2.06E-33	negative
MAPK1	AL023284	-0.52121	4.22E-36	negative
AGER	AL023284	0.52127	4.11E-36	postive
SEM1	AL590617	0.52131	4.07E-36	postive
RFXANK	AL590617	0.58625	2.16E-47	postive
UBR1	AL590617	-0.50267	2.61E-33	negative
IRF3	AL590617	0.55562	9.15E-42	postive
C8G	AL590617	0.50214	3.12E-33	postive
IREB2	AL590617	-0.50199	3.28E-33	negative
SYTL1	AL590617	0.54722	2.54E-40	postive
MAP2K2	AL590617	0.5736	5.38E-45	postive
HRAS	AL590617	0.57167	1.22E-44	postive
RABEP2	AL590617	0.50383	1.76E-33	postive
UCN	AL590617	0.6057	2.76E-51	postive
ACVR1B	AL590617	-0.51864	1.05E-35	negative
NR2F6	AL590617	0.59458	5.01E-49	postive
PTPN11	AL590617	-0.51755	1.55E-35	negative
SOS2	AL590617	-0.57703	1.23E-45	negative
AZGP1	AC005790	0.51745	1.60E-35	postive
PSMC5	LINC0248	0.53616	1.75E-38	postive
RFXANK	LINC0248	0.6694	3.79E-66	postive
UBXN1	LINC0248	0.57195	1.09E-44	postive
UBR1	LINC0248	-0.5684	4.86E-44	negative
MAPK1	LINC0248	-0.51501	3.78E-35	negative
MAPK14	LINC0248	-0.52029	5.85E-36	negative
ADAR	LINC0248	-0.50684	6.35E-34	negative
BECN1	LINC0248	-0.54321	1.20E-39	negative
JAK1	LINC0248	-0.50767	4.78E-34	negative
IREB2	LINC0248	-0.51696	1.90E-35	negative
MAP2K2	LINC0248	0.5621	6.61E-43	postive
LANCL1	LINC0248	-0.52561	8.63E-37	negative
HRAS	LINC0248	0.6216	1.12E-54	postive
CD320	LINC0248	0.51352	6.36E-35	postive
NENF	LINC0248	0.57396	4.61E-45	postive
RABEP2	LINC0248	0.50237	2.89E-33	postive
UCN	LINC0248	0.51122	1.41E-34	postive
IGF2R	LINC0248	-0.53646	1.57E-38	negative
NR2F6	LINC0248	0.57634	1.67E-45	postive
PTPN11	LINC0248	-0.57285	7.42E-45	negative
SOS2	LINC0248	-0.53351	4.74E-38	negative
LEAP2	ADNP-AS	0.52514	1.02E-36	postive
PSMC3	Z93930.2	0.5217	3.53E-36	postive
PSMC5	Z93930.2	0.62622	1.07E-55	postive

PSMD13	Z93930.2	0.51853	1.09E-35	postive
RFX5	Z93930.2	-0.50229	2.96E-33	negative
RFXANK	Z93930.2	0.6467	1.92E-60	postive
UBXN1	Z93930.2	0.53432	3.49E-38	postive
MAPK14	Z93930.2	-0.57537	2.52E-45	negative
JAK1	Z93930.2	-0.50454	1.39E-33	negative
SEPTIN7	Z93930.2	-0.55884	2.50E-42	negative
MAP2K2	Z93930.2	0.6043	5.38E-51	postive
HRAS	Z93930.2	0.59978	4.50E-50	postive
MYDGF	Z93930.2	0.65564	1.25E-62	postive
NENF	Z93930.2	0.62789	4.52E-56	postive
RABEP2	Z93930.2	0.51747	1.59E-35	postive
NR2F6	Z93930.2	0.56142	8.72E-43	postive
PTPN11	Z93930.2	-0.60332	8.55E-51	negative
SOS2	Z93930.2	-0.53324	5.23E-38	negative
FCGRT	Z84492.1	0.53568	2.10E-38	postive
SLC22A1	Z84492.1	0.56775	7.08E-44	postive
IRF3	Z84492.1	0.59046	3.27E-48	postive
GSK3B	Z84492.1	-0.51721	1.74E-35	negative
CTF1	Z84492.1	0.50002	6.34E-33	postive
NTF4	Z84492.1	0.60318	9.12E-51	postive
IL11RA	Z84492.1	0.50294	2.39E-33	postive
NFAT5	AC11865 δ	0.52412	1.48E-36	postive
RORA	AC11865 δ	0.58334	7.87E-47	postive
CYLD	AP00348 δ	0.53677	1.39E-38	postive
SP1	AP00348 δ	0.50663	6.84E-34	postive
JAK2	AP00348 δ	0.50146	3.92E-33	postive
NFAT5	AP00348 δ	0.61936	3.47E-54	postive
NFATC3	AP00348 δ	0.53879	6.49E-39	postive
PIK3R1	AP00348 δ	0.50784	4.51E-34	postive
NR2C2	AP00348 δ	0.57254	8.45E-45	postive
PGR	AP00348 δ	0.53967	4.65E-39	postive
RORA	AP00348 δ	0.56417	2.82E-43	postive
SOS1	AP00348 δ	0.56963	2.89E-44	postive
SOS2	AP00348 δ	0.52075	4.96E-36	postive
PRKCA	AP00348 δ	0.51575	2.92E-35	postive
CBL	AP00348 δ	0.54437	7.69E-40	postive
NFYA	AL92865 δ	0.50406	1.64E-33	postive
PTK2	AL92865 δ	0.51659	2.17E-35	postive
SEM1	SLC12A9	0.56395	3.08E-43	postive
PPIA	SLC12A9	0.52087	4.75E-36	postive
NR2F6	SLC12A9	0.51813	1.26E-35	postive
DEFA6	AL03105 δ	0.76011	4.19E-95	postive
DEFA5	AL03105 δ	0.76177	9.38E-96	postive
CCL24	AL03105 δ	0.65753	4.21E-63	postive
EDN3	AL03105 δ	0.59611	2.48E-49	postive
CALCA	AL03105 δ	0.50597	8.54E-34	postive
CHGB	AL03105 δ	0.73891	2.92E-87	postive
FGF1	AL03105 δ	0.55134	5.04E-41	postive
TRBJ2-1	AL03105 δ	0.57669	1.43E-45	postive
TRDC	AL03105 δ	0.72293	7.75E-82	postive
IL7R	AC10469 δ	0.58619	2.22E-47	postive
SERPINA	AC10469 δ	0.50717	5.67E-34	postive
NFAT5	AC10469 δ	0.70046	7.99E-75	postive
NFATC3	AC10469 δ	0.51434	4.77E-35	postive
RORA	AC10469 δ	0.72499	1.63E-82	postive

PRKCA	AC10469	0.5176	1.52E-35	postive
LEAP2	AL121772	0.51219	1.01E-34	postive
DDX17	AL121772	0.59166	1.90E-48	postive
NFAT5	AL121772	0.67188	8.43E-67	postive
RORA	AL121772	0.71783	3.47E-80	postive
PRKCA	AL121772	0.53731	1.14E-38	postive
ZC3HAV1	AL353699	0.52724	4.77E-37	postive
NFAT5	AL353699	0.61291	8.44E-53	postive
RORA	AL353699	0.69857	2.91E-74	postive
CBL	AL353699	0.53961	4.76E-39	postive
AGER	AP000254	0.5346	3.14E-38	postive
DDX17	AC00853	0.5065	7.15E-34	postive
NFAT5	AC00853	0.55117	5.39E-41	postive
NR2C2	AC00853	0.56462	2.34E-43	postive
RORA	AC00853	0.52647	6.31E-37	postive
SOS1	AC00853	0.50076	4.95E-33	postive
CBL	AC00853	0.54884	1.35E-40	postive
AP3B1	USP46-A	0.54178	2.08E-39	postive
UBXN1	USP46-A	-0.53249	6.90E-38	negative
UBR1	USP46-A	0.54664	3.19E-40	postive
MAPK1	USP46-A	0.56473	2.24E-43	postive
TRIM5	USP46-A	0.51642	2.31E-35	postive
IREB2	USP46-A	0.53018	1.62E-37	postive
LANCL1	USP46-A	0.50593	8.67E-34	postive
TBK1	USP46-A	0.52253	2.62E-36	postive
HRAS	USP46-A	-0.50383	1.76E-33	negative
CHUK	USP46-A	0.5451	5.79E-40	postive
IGF2R	USP46-A	0.50967	2.41E-34	postive
PTPN11	USP46-A	0.52303	2.19E-36	postive
PSMD13	AC020910	0.52438	1.35E-36	postive
RFXANK	AC020910	0.53617	1.75E-38	postive
UBXN1	AC020910	0.50178	3.52E-33	postive
MAPK1	AC020910	-0.51302	7.56E-35	negative
PPIA	AC020910	0.50155	3.80E-33	postive
IL6ST	AC020910	-0.50614	8.07E-34	negative
UCN	AC020910	0.52323	2.04E-36	postive
LEAP2	AC106028	0.53113	1.14E-37	postive
ADRM1	CHKB-DT	0.50442	1.45E-33	postive
TYK2	CCDC183	0.51776	1.44E-35	postive
PLXNA3	CCDC183	0.55179	4.21E-41	postive
PLXNB3	CCDC183	0.55292	2.69E-41	postive
IRF3	AC009110	0.52979	1.87E-37	postive
AGER	AC009110	0.58379	6.45E-47	postive
NTF4	AC009110	0.5192	8.61E-36	postive
HDAC1	ITPR1-DT	0.55517	1.10E-41	postive
EIF2AK2	AC144450	0.50702	5.97E-34	postive
CMTM4	AC144450	0.52616	7.07E-37	postive
SEM1	AL392172	0.56617	1.23E-43	postive
BECN1	AL392172	-0.51646	2.27E-35	negative
NENF	AL392172	0.51666	2.11E-35	postive
IGF2R	AL392172	-0.53196	8.41E-38	negative
NR2F6	AL392172	0.5031	2.26E-33	postive
LANCL1	AC00526	-0.50001	6.36E-33	negative
IGF2R	AC00526	-0.55584	8.37E-42	negative
RFXANK	AL133353	0.52879	2.70E-37	postive
JAK1	AL133353	-0.51615	2.53E-35	negative

SOS2	AL133355	-0.50323	2.16E-33	negative
CTSB	AL049555	0.63069	1.05E-56	postive
HFE	AL049555	0.56834	4.98E-44	postive
MR1	AL049555	0.63761	2.72E-58	postive
DEFB1	AL049555	0.55374	1.94E-41	postive
S100A14	AL049555	0.65188	1.06E-61	postive
S100A16	AL049555	0.58724	1.39E-47	postive
WFDC2	AL049555	0.56126	9.33E-43	postive
APOBEC	AL049555	0.5814	1.85E-46	postive
SLC40A1	AL049555	0.55262	3.03E-41	postive
DUOX1	AL049555	0.72113	3.00E-81	postive
TLR3	AL049555	0.56105	1.02E-42	postive
CD40	AL049555	0.64256	1.88E-59	postive
STING1	AL049555	0.61803	6.72E-54	postive
APOBEC	AL049555	0.71357	7.80E-79	postive
GBP2	AL049555	0.54586	4.32E-40	postive
VAV3	AL049555	0.50711	5.81E-34	postive
INPP5D	AL049555	0.5266	6.03E-37	postive
CX3CL1	AL049555	0.57858	6.32E-46	postive
ROBO1	AL049555	0.60501	3.83E-51	postive
CTF1	AL049555	0.57135	1.40E-44	postive
NRG2	AL049555	0.66517	4.81E-65	postive
NTF4	AL049555	0.68014	5.03E-69	postive
PDGFC	AL049555	0.5315	9.97E-38	postive
ANGPT1	AL049555	0.51831	1.18E-35	postive
IL27RA	AL049555	0.50891	3.13E-34	postive
MET	AL049555	0.60192	1.65E-50	postive
NGFR	AL049555	0.50557	9.78E-34	postive
RARB	AL049555	0.58571	2.75E-47	postive
RARG	AL049555	0.66182	3.47E-64	postive
CD8A	U62317.2	0.51526	3.46E-35	postive
CD74	U62317.2	0.55532	1.03E-41	postive
FCER1G	U62317.2	0.51602	2.65E-35	postive
HLA-DMA	U62317.2	0.57543	2.46E-45	postive
HLA-DOB	U62317.2	0.58531	3.29E-47	postive
HLA-DPB	U62317.2	0.56257	5.46E-43	postive
HLA-DRB	U62317.2	0.53846	7.38E-39	postive
HLA-F	U62317.2	0.54876	1.39E-40	postive
PSME2	U62317.2	0.53861	6.96E-39	postive
CXCL13	U62317.2	0.53932	5.31E-39	postive
IRF3	U62317.2	0.57386	4.81E-45	postive
SOCS1	U62317.2	0.52891	2.59E-37	postive
CCL5	U62317.2	0.63905	1.25E-58	postive
IL18	U62317.2	0.56965	2.87E-44	postive
PDCD1	U62317.2	0.56094	1.06E-42	postive
GBP2	U62317.2	0.54002	4.07E-39	postive
AGER	U62317.2	0.58984	4.32E-48	postive
CCL19	U62317.2	0.5163	2.41E-35	postive
CCR7	U62317.2	0.54466	6.87E-40	postive
CXCR6	U62317.2	0.53939	5.17E-39	postive
RAC2	U62317.2	0.52684	5.52E-37	postive
NFKBIE	U62317.2	0.64105	4.25E-59	postive
PIK3CD	U62317.2	0.50036	5.65E-33	postive
CD72	U62317.2	0.66115	5.14E-64	postive
PTPN6	U62317.2	0.57897	5.33E-46	postive
IGKC	U62317.2	0.56551	1.62E-43	postive

IGKV1-17	U62317.2	0.52032	5.78E-36	postive
IGLC2	U62317.2	0.52015	6.14E-36	postive
TYMP	U62317.2	0.69247	1.74E-72	postive
CXCR3	U62317.2	0.55291	2.70E-41	postive
EBI3	U62317.2	0.58275	1.02E-46	postive
FLT3LG	U62317.2	0.55574	8.73E-42	postive
GMFG	U62317.2	0.68311	7.65E-70	postive
IL32	U62317.2	0.56297	4.63E-43	postive
LTB	U62317.2	0.59342	8.51E-49	postive
TNFSF13	U62317.2	0.50733	5.39E-34	postive
IL2RG	U62317.2	0.61404	4.85E-53	postive
IL3RA	U62317.2	0.51679	2.02E-35	postive
OGFR	U62317.2	0.51342	6.58E-35	postive
TNFRSF1	U62317.2	0.528	3.61E-37	postive
TNFRSF2	U62317.2	0.70984	1.14E-77	postive
TNFRSF4	U62317.2	0.67751	2.61E-68	postive
TYROBP	U62317.2	0.5191	8.91E-36	postive
CD247	U62317.2	0.60387	6.59E-51	postive
ZAP70	U62317.2	0.58882	6.85E-48	postive
HCST	U62317.2	0.65424	2.78E-62	postive
CD48	U62317.2	0.53769	9.85E-39	postive
GZMB	U62317.2	0.63526	9.51E-58	postive
PRF1	U62317.2	0.55708	5.09E-42	postive
CD3D	U62317.2	0.66209	2.96E-64	postive
CD3E	U62317.2	0.59578	2.89E-49	postive
TRAC	U62317.2	0.57682	1.35E-45	postive
TRBC2	U62317.2	0.63166	6.35E-57	postive
TRBV28	U62317.2	0.68014	5.02E-69	postive
CANX	AL35483€	-0.55795	3.58E-42	negative
AP3B1	AL35483€	-0.54461	6.99E-40	negative
RFXANK	AL35483€	0.52874	2.75E-37	postive
S100A13	AL35483€	0.57612	1.82E-45	postive
LCN12	AL35483€	0.55628	7.03E-42	postive
LMBR1L	AL35483€	0.66388	1.03E-64	postive
IRF3	AL35483€	0.77972	#####	postive
C8G	AL35483€	0.58745	1.27E-47	postive
MAPK1	AL35483€	-0.57271	7.86E-45	negative
ROBO3	AL35483€	0.63672	4.38E-58	postive
LTB4R	AL35483€	0.60859	6.91E-52	postive
SYTL1	AL35483€	0.51871	1.03E-35	postive
MAP2K2	AL35483€	0.5022	3.06E-33	postive
LANCL1	AL35483€	-0.51737	1.65E-35	negative
AGER	AL35483€	0.79346	#####	postive
HRAS	AL35483€	0.57798	8.19E-46	postive
GSK3B	AL35483€	-0.52489	1.12E-36	negative
SEMA3B	AL35483€	0.59254	1.27E-48	postive
NTF4	AL35483€	0.57578	2.12E-45	postive
UCN	AL35483€	0.50367	1.86E-33	postive
IGF2R	AL35483€	-0.5455	4.97E-40	negative
IL11RA	AL35483€	0.59204	1.60E-48	postive
IL3RA	AL35483€	0.53309	5.53E-38	postive
MC1R	AL35483€	0.51762	1.51E-35	postive
OGFR	AL35483€	0.58334	7.87E-47	postive
TNFRSF2	AL35483€	0.5493	1.13E-40	postive
PTPN11	AL35483€	-0.5014	3.99E-33	negative
LEAP2	LINC0123	0.52421	1.43E-36	postive

MC1R	LINC0093	0.57327	6.18E-45	postive
LEAP2	LINC0064	0.5005	5.41E-33	postive
TCF7L2	LINC0064	0.56506	1.95E-43	postive
IL7R	LINC0064	0.54265	1.49E-39	postive
DDX17	LINC0064	0.61339	6.68E-53	postive
JAK2	LINC0064	0.52871	2.79E-37	postive
NFAT5	LINC0064	0.7595	7.23E-95	postive
NFATC3	LINC0064	0.56618	1.23E-43	postive
PRKCB	LINC0064	0.51212	1.04E-34	postive
SEMA6D	LINC0064	0.50758	4.94E-34	postive
SLIT2	LINC0064	0.55634	6.85E-42	postive
NR2C2	LINC0064	0.53579	2.02E-38	postive
PGR	LINC0064	0.57962	4.01E-46	postive
RORA	LINC0064	0.74193	2.50E-88	postive
SOS1	LINC0064	0.61452	3.84E-53	postive
PRKCA	LINC0064	0.65164	1.21E-61	postive
MAP3K8	LINC0064	0.53383	4.19E-38	postive
CBL	LINC0064	0.52698	5.24E-37	postive
MICA	AL645933	0.53293	5.86E-38	postive
CREB1	AL121832	-0.54504	5.92E-40	negative
PSMC3	AL121832	0.55494	1.20E-41	postive
PSMC5	AL121832	0.59558	3.16E-49	postive
PSMD4	AL121832	0.55734	4.58E-42	postive
PSMD13	AL121832	0.58444	4.84E-47	postive
PSME2	AL121832	0.50234	2.92E-33	postive
SEM1	AL121832	0.5322	7.70E-38	postive
AP3B1	AL121832	-0.55197	3.92E-41	negative
RFXANK	AL121832	0.70999	1.02E-77	postive
ADRM1	AL121832	0.58659	1.86E-47	postive
UBXN1	AL121832	0.56747	7.15E-44	postive
UBR1	AL121832	-0.56994	2.54E-44	negative
IRF3	AL121832	0.53053	1.43E-37	postive
C8G	AL121832	0.51817	1.24E-35	postive
MAPK1	AL121832	-0.55201	3.86E-41	negative
MAPK14	AL121832	-0.50214	3.12E-33	negative
SP1	AL121832	-0.52727	4.71E-37	negative
SLC11A1	AL121832	0.56741	7.33E-44	postive
JAK1	AL121832	-0.56705	8.52E-44	negative
IREB2	AL121832	-0.55447	1.45E-41	negative
SYTL1	AL121832	0.54445	7.45E-40	postive
MAP2K2	AL121832	0.72364	4.53E-82	postive
LANCL1	AL121832	-0.51077	1.65E-34	negative
PPP4C	AL121832	0.61931	3.55E-54	postive
MIF	AL121832	0.59585	2.80E-49	postive
HRAS	AL121832	0.67107	1.38E-66	postive
NFKBIB	AL121832	0.519	9.26E-36	postive
MYDGF	AL121832	0.62118	1.39E-54	postive
CD320	AL121832	0.54241	1.64E-39	postive
CLEC11A	AL121832	0.52631	6.69E-37	postive
IL6ST	AL121832	-0.57406	4.41E-45	negative
NENF	AL121832	0.56192	7.11E-43	postive
RABEP2	AL121832	0.53007	1.69E-37	postive
UCN	AL121832	0.59768	1.20E-49	postive
BMPR2	AL121832	-0.54143	2.38E-39	negative
CRIM1	AL121832	-0.50751	5.06E-34	negative
IGF2R	AL121832	-0.51397	5.43E-35	negative

NR2F6	AL121832	0.69289	1.32E-72	postive
OGFR	AL121832	0.5127	8.45E-35	postive
PPARA	AL121832	-0.50535	1.05E-33	negative
PTPN11	AL121832	-0.59847	8.30E-50	negative
SOS2	AL121832	-0.59096	2.61E-48	negative
THBS1	MIR22HG	0.65576	1.17E-62	postive
IL6	MIR22HG	0.59571	2.98E-49	postive
IL1B	MIR22HG	0.51235	9.56E-35	postive
BCL3	MIR22HG	0.64706	1.57E-60	postive
SOCS3	MIR22HG	0.72136	2.52E-81	postive
IRF1	MIR22HG	0.66041	7.93E-64	postive
TNFAIP3	MIR22HG	0.50632	7.59E-34	postive
NFKBIZ	MIR22HG	0.51645	2.27E-35	postive
CCL4	MIR22HG	0.53109	1.16E-37	postive
CCL2	MIR22HG	0.58315	8.54E-47	postive
NFATC2	MIR22HG	0.55719	4.87E-42	postive
PLAUR	MIR22HG	0.68092	3.07E-69	postive
AREG	MIR22HG	0.68536	1.80E-70	postive
DKK1	MIR22HG	0.53491	2.80E-38	postive
HBEGF	MIR22HG	0.55555	9.42E-42	postive
LIF	MIR22HG	0.60261	1.19E-50	postive
IL4R	MIR22HG	0.53156	9.76E-38	postive
NR4A1	MIR22HG	0.56688	9.17E-44	postive
NR4A2	MIR22HG	0.52025	5.94E-36	postive
NR4A3	MIR22HG	0.72945	5.31E-84	postive
TNFRSF1	MIR22HG	0.62456	2.50E-55	postive
TNFRSF1	MIR22HG	0.62982	1.66E-56	postive
MAP3K8	MIR22HG	0.62375	3.78E-55	postive
MAP3K14	MIR22HG	0.6144	4.07E-53	postive
RFXANK	LINC0268	0.52799	3.62E-37	postive
MAPK14	LINC0268	-0.51193	1.10E-34	negative
SYTL1	LINC0268	0.67256	5.55E-67	postive
RABEP2	LINC0268	0.71052	7.02E-78	postive
NR2F6	LINC0268	0.51513	3.62E-35	postive
PTPN11	LINC0268	-0.51942	7.96E-36	negative
SOS2	LINC0268	-0.53255	6.75E-38	negative
LMBR1L	AL360181	0.52462	1.24E-36	postive
TYK2	AL360181	0.6702	2.35E-66	postive
DDX17	AL360181	0.56946	3.11E-44	postive
BRD8	AL360181	0.57353	5.55E-45	postive
PLCG1	AL360181	0.52137	3.98E-36	postive
RFXANK	AC008039	0.51437	4.73E-35	postive
LEAP2	AC018809	0.65813	2.97E-63	postive
DDX17	AC018809	0.50864	3.44E-34	postive
CANX	H1FX-AS	-0.52016	6.13E-36	negative
SEM1	H1FX-AS	0.50158	3.76E-33	postive
AP3B1	H1FX-AS	-0.61946	3.29E-54	negative
RFXANK	H1FX-AS	0.58256	1.11E-46	postive
UBR1	H1FX-AS	-0.54322	1.20E-39	negative
LCN12	H1FX-AS	0.653	5.61E-62	postive
LMBR1L	H1FX-AS	0.59364	7.69E-49	postive
IRF3	H1FX-AS	0.6686	6.17E-66	postive
C8G	H1FX-AS	0.60402	6.13E-51	postive
MAPK1	H1FX-AS	-0.60261	1.19E-50	negative
IREB2	H1FX-AS	-0.5108	1.63E-34	negative
LTB4R	H1FX-AS	0.55086	6.08E-41	postive

MAP2K2	H1FX-AS	0.53992	4.23E-39	postive
LANCL1	H1FX-AS	-0.50417	1.57E-33	negative
AGER	H1FX-AS	0.6864	9.21E-71	postive
ACO1	H1FX-AS	-0.53623	1.71E-38	negative
HRAS	H1FX-AS	0.624	3.32E-55	postive
UCN	H1FX-AS	0.66614	2.68E-65	postive
IGF2R	H1FX-AS	-0.57803	8.03E-46	negative
MC1R	H1FX-AS	0.5071	5.81E-34	postive
NR2F6	H1FX-AS	0.58235	1.22E-46	postive
OGFR	H1FX-AS	0.55008	8.29E-41	postive
PTPN11	H1FX-AS	-0.55659	6.21E-42	negative
SHC2	H1FX-AS	0.51916	8.75E-36	postive
IRF3	AP001830	0.52208	3.08E-36	postive
AGER	AP001830	0.56666	1.01E-43	postive
UCN	AP001830	0.53824	8.00E-39	postive
CREB1	AC244090	-0.583	9.13E-47	negative
PSMC3	AC244090	0.75939	7.95E-95	postive
PSMC5	AC244090	0.77941	#####	postive
PSMD4	AC244090	0.67252	5.70E-67	postive
PSMD13	AC244090	0.64609	2.69E-60	postive
PSME2	AC244090	0.5505	7.01E-41	postive
RFX5	AC244090	-0.54856	1.50E-40	negative
SEM1	AC244090	0.55914	2.21E-42	postive
RFXANK	AC244090	0.75286	2.48E-92	postive
ADRM1	AC244090	0.58279	1.00E-46	postive
UBXN1	AC244090	0.69816	3.83E-74	postive
UBR1	AC244090	-0.57612	1.83E-45	negative
TMSB10	AC244090	0.5548	1.27E-41	postive
ZC3HAV1	AC244090	-0.5056	9.70E-34	negative
S100A13	AC244090	0.59917	5.99E-50	postive
IRF3	AC244090	0.55458	1.39E-41	postive
MAPK1	AC244090	-0.58405	5.75E-47	negative
MAPK14	AC244090	-0.51306	7.46E-35	negative
CD81	AC244090	0.56405	2.96E-43	postive
EIF2AK2	AC244090	-0.53039	1.51E-37	negative
PRDX2	AC244090	0.53833	7.73E-39	postive
SP1	AC244090	-0.6251	1.89E-55	negative
SOD1	AC244090	0.60191	1.66E-50	postive
JAK1	AC244090	-0.55838	3.01E-42	negative
IREB2	AC244090	-0.5806	2.63E-46	negative
MAP2K2	AC244090	0.72941	5.46E-84	postive
LANCL1	AC244090	-0.53541	2.32E-38	negative
PPP4C	AC244090	0.70444	5.11E-76	postive
TBK1	AC244090	-0.50907	2.96E-34	negative
HRAS	AC244090	0.76501	4.93E-97	postive
CHUK	AC244090	-0.54879	1.37E-40	negative
NFKBIB	AC244090	0.59288	1.09E-48	postive
GSK3B	AC244090	-0.53388	4.12E-38	negative
MYDGF	AC244090	0.67445	1.74E-67	postive
CD320	AC244090	0.61169	1.53E-52	postive
CLEC11A	AC244090	0.57722	1.14E-45	postive
NENF	AC244090	0.7322	6.19E-85	postive
NMB	AC244090	0.54334	1.14E-39	postive
UCN	AC244090	0.55112	5.51E-41	postive
VEGFB	AC244090	0.64035	6.21E-59	postive
ACVR1B	AC244090	-0.55613	7.47E-42	negative

BMPR2	AC244091	-0.54949	1.04E-40	negative
IGF2R	AC244091	-0.52224	2.92E-36	negative
NR2C2	AC244091	-0.63211	5.02E-57	negative
NR2F6	AC244091	0.67366	2.83E-67	postive
PPARA	AC244091	-0.5513	5.13E-41	negative
PTPN11	AC244091	-0.64402	8.41E-60	negative
SHC2	AC244091	0.51088	1.59E-34	postive
SOS1	AC244091	-0.5487	1.43E-40	negative
SOS2	AC244091	-0.59971	4.65E-50	negative
CBLB	AC244091	-0.55878	2.56E-42	negative
PSMC5	AC011441	0.52424	1.42E-36	postive
PSMD4	AC011441	0.51133	1.36E-34	postive
SEM1	AC011441	0.58287	9.68E-47	postive
AP3B1	AC011441	-0.51589	2.77E-35	negative
RFXANK	AC011441	0.5802	3.12E-46	postive
UBR1	AC011441	-0.52669	5.83E-37	negative
MAPK1	AC011441	-0.52812	3.46E-37	negative
IREB2	AC011441	-0.51474	4.15E-35	negative
MAP2K2	AC011441	0.54196	1.94E-39	postive
HRAS	AC011441	0.61607	1.78E-53	postive
NENF	AC011441	0.55406	1.71E-41	postive
UCN	AC011441	0.61985	2.72E-54	postive
IGF2R	AC011441	-0.50796	4.33E-34	negative
NR2F6	AC011441	0.59216	1.51E-48	postive
PTPN11	AC011441	-0.53454	3.22E-38	negative
SOS2	AC011441	-0.51056	1.77E-34	negative
RFXANK	AC040971	0.54338	1.13E-39	postive
HRAS	AC040971	0.50212	3.14E-33	postive
UCN	AC040971	0.58399	5.92E-47	postive
SYTL1	AC018921	0.56344	3.81E-43	postive
FGFRL1	CTBP1-A1	0.59285	1.11E-48	postive
AP3B1	CAHM	-0.50866	3.41E-34	negative
RFXANK	CAHM	0.5399	4.26E-39	postive
LCN12	CAHM	0.57071	1.84E-44	postive
IRF3	CAHM	0.51234	9.58E-35	postive
C8G	CAHM	0.53235	7.29E-38	postive
AGER	CAHM	0.59207	1.58E-48	postive
HRAS	CAHM	0.50916	2.87E-34	postive
UCN	CAHM	0.58152	1.75E-46	postive
BCL3	CIRBP-A1	0.51778	1.42E-35	postive
LEAP2	ZNF460-A1	0.56854	4.57E-44	postive
LCN12	ZNF460-A1	0.50189	3.39E-33	postive
AGER	ZNF460-A1	0.56335	3.96E-43	postive
UCN	ZNF460-A1	0.54628	3.67E-40	postive
EPOR	ZNF460-A1	0.53837	7.63E-39	postive
LEAP2	THUMPD	0.67837	1.53E-68	postive
LMBR1L	THUMPD	0.57158	1.27E-44	postive
LTB4R	THUMPD	0.50805	4.20E-34	postive
DDX17	THUMPD	0.55785	3.73E-42	postive
AGER	THUMPD	0.51801	1.31E-35	postive
S100A14	AC124241	0.58647	1.96E-47	postive
S100A16	AC124241	0.53895	6.13E-39	postive
SLC22A1	AC124241	0.53844	7.42E-39	postive
WFDC2	AC124241	0.51861	1.06E-35	postive
DUOX1	AC124241	0.58053	2.70E-46	postive
APOBEC	AC124241	0.56393	3.11E-43	postive

CTF1	AC124241	0.5167	2.09E-35	postive
JAG2	AC124241	0.50832	3.83E-34	postive
NRG2	AC124241	0.50151	3.85E-33	postive
NTF4	AC124241	0.65712	5.34E-63	postive
SDC1	AC124241	0.50265	2.63E-33	postive
FABP5	AC009901	0.50857	3.52E-34	postive
LEAP2	AC139101	0.52896	2.54E-37	postive
MAVS	AC092171	0.56728	7.75E-44	postive
MAPK8	ANKRD101	0.53923	5.51E-39	postive
DDX17	ANKRD101	0.6961	1.54E-73	postive
BRD8	ANKRD101	0.56414	2.85E-43	postive
NR2C1	ANKRD101	0.55429	1.56E-41	postive
NR2C2	ANKRD101	0.60929	4.93E-52	postive
TEC	ANKRD101	0.50298	2.35E-33	postive
CBLB	ANKRD101	0.50989	2.24E-34	postive
S100A14	AL133370	0.64318	1.33E-59	postive
DUOX1	AL133370	0.59719	1.50E-49	postive
DUOX2	AL133370	0.53684	1.36E-38	postive
MUC4	AL133370	0.68798	3.31E-71	postive
CCL28	AL133370	0.50113	4.37E-33	postive
CHP2	AL133370	0.63636	5.29E-58	postive
CXCL17	AL133370	0.55013	8.11E-41	postive
ROBO1	AL133370	0.61104	2.11E-52	postive
RARG	AL133370	0.51443	4.64E-35	postive
ZC3HAV1	AC124311	0.6156	2.25E-53	postive
DDX17	AC124311	0.5935	8.20E-49	postive
NFAT5	AC124311	0.76358	1.82E-96	postive
NFATC3	AC124311	0.62612	1.12E-55	postive
AKT3	AC124311	0.52909	2.42E-37	postive
SLIT2	AC124311	0.5573	4.66E-42	postive
CRLF3	AC124311	0.52458	1.25E-36	postive
NR2C2	AC124311	0.58964	4.74E-48	postive
RORA	AC124311	0.82917	#####	postive
SOS1	AC124311	0.59464	4.88E-49	postive
PRKCA	AC124311	0.57361	5.36E-45	postive
CBL	AC124311	0.62357	4.15E-55	postive
MR1	AF001548	0.50079	4.89E-33	postive
PRKCB	AF001548	0.52883	2.67E-37	postive
PGR	AF001548	0.5346	3.15E-38	postive
IRF3	AL133410	0.53063	1.38E-37	postive
AGER	AL133410	0.65024	2.66E-61	postive
RFXANK	AC145421	0.55311	2.50E-41	postive
AGER	AC145421	0.56044	1.30E-42	postive
HRAS	AC145421	0.52062	5.20E-36	postive
PTGDS	AL365181	0.67221	6.89E-67	postive
S100A6	AL365181	0.59312	9.76E-49	postive
S100A16	AL365181	0.54325	1.18E-39	postive
TINAGL1	AL365181	0.52705	5.10E-37	postive
SLC22A1	AL365181	0.54801	1.87E-40	postive
WFDC2	AL365181	0.53168	9.33E-38	postive
RBP1	AL365181	0.53443	3.36E-38	postive
FABP3	AL365181	0.52924	2.29E-37	postive
CSRP1	AL365181	0.79647	#####	postive
CD81	AL365181	0.55207	3.77E-41	postive
TPM2	AL365181	0.61461	3.67E-53	postive
DES	AL365181	0.64616	2.60E-60	postive

KCNH2	AL365181	0.53151	9.94E-38	postive
APOBEC	AL365181	0.53497	2.74E-38	postive
MASP1	AL365181	0.54717	2.59E-40	postive
ANXA6	AL365181	0.69076	5.36E-72	postive
NFATC4	AL365181	0.62658	8.90E-56	postive
EDNRA	AL365181	0.58636	2.06E-47	postive
CTF1	AL365181	0.71752	4.38E-80	postive
FLT3LG	AL365181	0.50685	6.35E-34	postive
IL17B	AL365181	0.61625	1.63E-53	postive
NDP	AL365181	0.59184	1.75E-48	postive
NRG2	AL365181	0.63767	2.63E-58	postive
NRTN	AL365181	0.52889	2.61E-37	postive
OGN	AL365181	0.57941	4.40E-46	postive
PGF	AL365181	0.50747	5.12E-34	postive
TNFSF12	AL365181	0.52323	2.04E-36	postive
TSLP	AL365181	0.63221	4.76E-57	postive
ANGPT1	AL365181	0.59123	2.31E-48	postive
ANGPTL1	AL365181	0.60618	2.19E-51	postive
FGFR1	AL365181	0.54892	1.31E-40	postive
LGR6	AL365181	0.56341	3.86E-43	postive
PGR	AL365181	0.52668	5.85E-37	postive
PTH1R	AL365181	0.64668	1.94E-60	postive
SEM1	AC00826	0.53359	4.59E-38	postive
ADRM1	AC00826	0.50301	2.32E-33	postive
UBR1	AC00826	-0.51077	1.65E-34	negative
PPIA	AC00826	0.61585	1.99E-53	postive
NEO1	AC00826	-0.5088	3.25E-34	negative
JAK1	AC00826	-0.50328	2.13E-33	negative
MAP2K2	AC00826	0.50959	2.48E-34	postive
PPP4C	AC00826	0.52252	2.64E-36	postive
MIF	AC00826	0.50361	1.90E-33	postive
IL6ST	AC00826	-0.53557	2.19E-38	negative
NR2F6	AC00826	0.54304	1.28E-39	postive
AP3B1	MINCR	-0.51188	1.12E-34	negative
PPIA	MINCR	0.53236	7.24E-38	postive
HRAS	MINCR	0.50736	5.33E-34	postive
IL6ST	MINCR	-0.52871	2.78E-37	negative
UCN	MINCR	0.50996	2.18E-34	postive
RFXANK	AL161729	0.57098	1.64E-44	postive
HRAS	AL161729	0.51745	1.60E-35	postive
RFXANK	AC026740	0.52501	1.07E-36	postive
IRF3	AC026740	0.51064	1.73E-34	postive
LRSAM1	AC026740	0.51977	7.02E-36	postive
NR2F6	AC026740	0.50645	7.25E-34	postive
ZC3HAV1	MIR29B20	0.52063	5.19E-36	postive
IL7R	MIR29B20	0.50889	3.16E-34	postive
DDX17	MIR29B20	0.56128	9.23E-43	postive
NFAT5	MIR29B20	0.74709	3.39E-90	postive
NFATC3	MIR29B20	0.57236	9.11E-45	postive
SLIT2	MIR29B20	0.5181	1.27E-35	postive
RORA	MIR29B20	0.80036	#####	postive
SOS1	MIR29B20	0.5379	9.09E-39	postive
PRKCA	MIR29B20	0.58516	3.52E-47	postive
CBL	MIR29B20	0.52853	2.97E-37	postive
LEAP2	AC09315	0.52906	2.45E-37	postive
NCK1	GATA2-A	0.60013	3.84E-50	postive

AGER	AL590560	0.51294	7.78E-35	postive
RFXANK	AL136295	0.53204	8.16E-38	postive
HRAS	AL136295	0.53536	2.37E-38	postive
AP3B1	MELTF-A	-0.55245	3.24E-41	negative
LCN12	MELTF-A	0.70548	2.47E-76	postive
LMBR1L	MELTF-A	0.52626	6.83E-37	postive
IRF3	MELTF-A	0.56199	6.91E-43	postive
C8G	MELTF-A	0.5713	1.43E-44	postive
MAPK1	MELTF-A	-0.50419	1.56E-33	negative
LTB4R	MELTF-A	0.54601	4.07E-40	postive
AGER	MELTF-A	0.65952	1.33E-63	postive
HRAS	MELTF-A	0.51133	1.36E-34	postive
UCN	MELTF-A	0.58617	2.25E-47	postive
SEM1	FOXN3-A	0.55035	7.44E-41	postive
RFXANK	FOXN3-A	0.62194	9.46E-55	postive
UBR1	FOXN3-A	-0.54645	3.42E-40	negative
S100A13	FOXN3-A	0.51829	1.19E-35	postive
BECN1	FOXN3-A	-0.57184	1.14E-44	negative
IREB2	FOXN3-A	-0.53388	4.12E-38	negative
MAP2K2	FOXN3-A	0.52803	3.57E-37	postive
HRAS	FOXN3-A	0.53558	2.18E-38	postive
NENF	FOXN3-A	0.51685	1.98E-35	postive
UCN	FOXN3-A	0.56377	3.33E-43	postive
ACVR1B	FOXN3-A	-0.53124	1.10E-37	negative
IGF2R	FOXN3-A	-0.51765	1.49E-35	negative
NR2F6	FOXN3-A	0.56103	1.02E-42	postive
PTPN11	FOXN3-A	-0.522	3.17E-36	negative
SOS2	FOXN3-A	-0.5505	7.02E-41	negative
MAPK14	AC099850	0.515	3.78E-35	postive
DCK	AC099850	0.52573	8.25E-37	postive
HMOX1	AC099850	0.55598	7.92E-42	postive
BIRC5	AC099850	0.71536	2.13E-79	postive
PTK2	AC099850	0.53576	2.04E-38	postive
NRAS	AC099850	0.57048	2.02E-44	postive
BMP6	AC099850	0.52501	1.07E-36	postive
CASP3	AC099850	0.52444	1.32E-36	postive
PDK1	AC099850	0.51378	5.80E-35	postive
ZC3HAV1AC02426	AC02426	0.55805	3.45E-42	postive
ZC3HAV1AC02426	AC02426	0.60104	2.50E-50	postive
EIF2AK2	AC02426	0.51697	1.89E-35	postive
SP1	AC02426	0.50958	2.49E-34	postive
IL7R	AC02426	0.62688	7.60E-56	postive
DDX17	AC02426	0.62388	3.53E-55	postive
NFAT5	AC02426	0.80549	#####	postive
NFATC3	AC02426	0.61625	1.63E-53	postive
AKT3	AC02426	0.50802	4.24E-34	postive
NR2C2	AC02426	0.55527	1.05E-41	postive
RORA	AC02426	0.77856	#####	postive
SOS1	AC02426	0.64783	1.03E-60	postive
CBL	AC02426	0.62847	3.35E-56	postive
NFAT5	MIR99AH	0.51962	7.41E-36	postive
RORA	MIR99AH	0.63627	5.56E-58	postive
CBL	MIR99AH	0.56049	1.28E-42	postive
TCF7L2	LINC0127	0.52838	3.14E-37	postive
IL7R	LINC0127	0.52688	5.44E-37	postive
NFAT5	LINC0127	0.70886	2.29E-77	postive

NFATC3	LINC0127	0.57166	1.23E-44	postive
RORA	LINC0127	0.62683	7.81E-56	postive
SOS1	LINC0127	0.62757	5.33E-56	postive
PRKCA	LINC0127	0.51705	1.84E-35	postive
RFXANK	EPB41L4	0.58561	2.88E-47	postive
PSME3	EPB41L4	-0.50494	1.21E-33	negative
UBXN1	EPB41L4	0.65943	1.40E-63	postive
UBR1	EPB41L4	-0.54637	3.54E-40	negative
MAPK1	EPB41L4	-0.54662	3.21E-40	negative
STAT3	EPB41L4	-0.53777	9.56E-39	negative
IGF2R	EPB41L4	-0.53912	5.74E-39	negative
SORT1	EPB41L4	-0.53663	1.47E-38	negative
PAK2	EPB41L4	-0.51389	5.59E-35	negative
LMBR1L	AL390719	0.56395	3.09E-43	postive
IRF3	AL390719	0.6249	2.10E-55	postive
C8G	AL390719	0.5391	5.78E-39	postive
AGER	AL390719	0.65211	9.31E-62	postive
TNFRSF1A	AL390719	0.5716	1.26E-44	postive
CIITA	AL132989	0.50771	4.72E-34	postive
LEAP2	AL132989	0.5214	3.93E-36	postive
ZC3HAV1	AL132989	0.51076	1.66E-34	postive
NOD1	AL132989	0.51112	1.46E-34	postive
NFKBIZ	AL132989	0.51898	9.32E-36	postive
SP1	AL132989	0.54686	2.92E-40	postive
DDX17	AL132989	0.804	#####	postive
IRF9	AL132989	0.54318	1.22E-39	postive
JAK2	AL132989	0.5101	2.08E-34	postive
NFAT5	AL132989	0.62139	1.25E-54	postive
BRD8	AL132989	0.51229	9.76E-35	postive
CRLF3	AL132989	0.56247	5.67E-43	postive
NR2C1	AL132989	0.54558	4.81E-40	postive
NR2C2	AL132989	0.70838	3.20E-77	postive
RORA	AL132989	0.61345	6.49E-53	postive
SH3BP2	AL132989	0.51557	3.10E-35	postive
SOS1	AL132989	0.54451	7.26E-40	postive
MAP3K8	AL132989	0.50665	6.79E-34	postive
CBL	AL132989	0.53204	8.15E-38	postive
CBLB	AL132989	0.53243	7.07E-38	postive
LEAP2	AL137002	0.53961	4.75E-39	postive
DDX17	AC130450	0.58043	2.82E-46	postive
NFAT5	AC130450	0.53553	2.22E-38	postive
RORA	AC130450	0.53434	3.46E-38	postive
LEAP2	RERE-AS	0.52726	4.73E-37	postive
ZC3HAV1	RERE-AS	0.55305	2.56E-41	postive
DDX17	RERE-AS	0.581	2.20E-46	postive
NFAT5	RERE-AS	0.68708	5.96E-71	postive
NFATC3	RERE-AS	0.51039	1.88E-34	postive
AKT3	RERE-AS	0.51544	3.25E-35	postive
RORA	RERE-AS	0.77948	#####	postive
SOS1	RERE-AS	0.51524	3.48E-35	postive
CBL	RERE-AS	0.60296	1.01E-50	postive
AP3B1	NALT1	-0.53197	8.39E-38	negative
S100A13	NALT1	0.51035	1.91E-34	postive
LCN12	NALT1	0.64445	6.65E-60	postive
IRF3	NALT1	0.59448	5.25E-49	postive
C8G	NALT1	0.53555	2.20E-38	postive

MAPK1	NALT1	-0.53114	1.14E-37	negative
AGER	NALT1	0.60391	6.47E-51	postive
HRAS	NALT1	0.52448	1.30E-36	postive
SEMA3B	NALT1	0.55463	1.36E-41	postive
ARTN	NALT1	0.53425	3.59E-38	postive
CMTM6	NALT1	-0.50062	5.19E-33	negative
IGF2R	NALT1	-0.51227	9.81E-35	negative
IL11RA	NALT1	0.51346	6.50E-35	postive
PAK2	NALT1	-0.50433	1.49E-33	negative
F2RL1	LINC0114	0.51322	7.06E-35	postive
SEMA6A	LINC0114	0.53325	5.21E-38	postive
LCN12	LMNTD2-	0.63819	1.99E-58	postive
LMBR1L	LMNTD2-	0.54912	1.21E-40	postive
AGER	LMNTD2-	0.51251	9.04E-35	postive
CD1D	AL161785	0.50501	1.19E-33	postive
CTSB	AL161785	0.64142	3.47E-59	postive
MR1	AL161785	0.59232	1.41E-48	postive
DEFB1	AL161785	0.62716	6.59E-56	postive
S100A2	AL161785	0.53434	3.47E-38	postive
S100A14	AL161785	0.72384	3.90E-82	postive
S100A16	AL161785	0.6263	1.02E-55	postive
WFDC2	AL161785	0.67062	1.82E-66	postive
APOBEC	AL161785	0.59368	7.57E-49	postive
TLR2	AL161785	0.51478	4.09E-35	postive
SLC40A1	AL161785	0.52437	1.35E-36	postive
DUOX1	AL161785	0.71444	4.16E-79	postive
TLR3	AL161785	0.5267	5.80E-37	postive
CD40	AL161785	0.67638	5.28E-68	postive
IKBKE	AL161785	0.51309	7.38E-35	postive
ROBO3	AL161785	0.57395	4.63E-45	postive
STING1	AL161785	0.73609	2.83E-86	postive
IL18	AL161785	0.57335	5.98E-45	postive
APOBEC	AL161785	0.65868	2.16E-63	postive
GBP2	AL161785	0.58104	2.17E-46	postive
VAV3	AL161785	0.50884	3.21E-34	postive
VAV1	AL161785	0.50203	3.24E-33	postive
INPP5D	AL161785	0.53982	4.39E-39	postive
CX3CL1	AL161785	0.6301	1.44E-56	postive
SEMA4C	AL161785	0.52353	1.83E-36	postive
ROBO1	AL161785	0.54778	2.04E-40	postive
CTF1	AL161785	0.60434	5.27E-51	postive
FLT3LG	AL161785	0.51162	1.23E-34	postive
JAG2	AL161785	0.60425	5.49E-51	postive
NRG2	AL161785	0.58294	9.38E-47	postive
NTF4	AL161785	0.77298	#####	postive
MET	AL161785	0.70688	9.24E-77	postive
RARB	AL161785	0.62076	1.72E-54	postive
RARG	AL161785	0.76983	5.60E-99	postive
RFXANK	SNHG5	0.54459	7.06E-40	postive
UBXN1	SNHG5	0.59333	8.87E-49	postive
AP3B1	AC04614:	-0.50989	2.24E-34	negative
RFXANK	AC04614:	0.51302	7.57E-35	postive
S100A13	AC04614:	0.54971	9.58E-41	postive
HRAS	AC04614:	0.57704	1.23E-45	postive
ANGPT1	AC00866:	0.51906	9.05E-36	postive
LIFR	MKLN1-A	0.5087	3.37E-34	postive

LEAP2	GARS1-D	0.66723	1.41E-65	postive
LMBR1L	GARS1-D	0.50444	1.44E-33	postive
DDX17	GARS1-D	0.66217	2.83E-64	postive
NFAT5	GARS1-D	0.51684	1.98E-35	postive
RORA	GARS1-D	0.59749	1.31E-49	postive
SLC11A1	AC09654	0.55773	3.91E-42	postive
HRAS	AC09654	0.50716	5.70E-34	postive
UCN	AC09654	0.53448	3.30E-38	postive
NR2F6	AC09654	0.51952	7.69E-36	postive
CREB1	SPINT1-A	-0.5548	1.27E-41	negative
PSMC3	SPINT1-A	0.62262	6.71E-55	postive
PSMC5	SPINT1-A	0.7305	2.33E-84	postive
PSMD4	SPINT1-A	0.6004	3.37E-50	postive
PSMD13	SPINT1-A	0.6332	2.83E-57	postive
RFXANK	SPINT1-A	0.66631	2.43E-65	postive
ADRM1	SPINT1-A	0.58454	4.62E-47	postive
UBXN1	SPINT1-A	0.63623	5.68E-58	postive
IRF3	SPINT1-A	0.53087	1.26E-37	postive
MAPK1	SPINT1-A	-0.58869	7.28E-48	negative
MAPK14	SPINT1-A	-0.62619	1.08E-55	negative
PRDX2	SPINT1-A	0.57041	2.09E-44	postive
SP1	SPINT1-A	-0.55618	7.30E-42	negative
SOD1	SPINT1-A	0.55771	3.95E-42	postive
JAK1	SPINT1-A	-0.55918	2.17E-42	negative
SEPTIN7	SPINT1-A	-0.53801	8.73E-39	negative
MAP2K2	SPINT1-A	0.66329	1.46E-64	postive
PPP4C	SPINT1-A	0.65658	7.30E-63	postive
MIF	SPINT1-A	0.54259	1.52E-39	postive
HRAS	SPINT1-A	0.66583	3.25E-65	postive
NFKBIB	SPINT1-A	0.54259	1.53E-39	postive
PIK3CA	SPINT1-A	-0.52443	1.32E-36	negative
MYDGF	SPINT1-A	0.66791	9.31E-66	postive
IL6ST	SPINT1-A	-0.53241	7.11E-38	negative
NENF	SPINT1-A	0.60112	2.41E-50	postive
VEGFB	SPINT1-A	0.58416	5.49E-47	postive
BMPR2	SPINT1-A	-0.5187	1.03E-35	negative
NR2C2	SPINT1-A	-0.50196	3.31E-33	negative
NR2F6	SPINT1-A	0.67207	7.49E-67	postive
TNFRSF1	SPINT1-A	0.60211	1.51E-50	postive
PTPN11	SPINT1-A	-0.65541	1.42E-62	negative
SHC2	SPINT1-A	0.61981	2.76E-54	postive
SOS1	SPINT1-A	-0.5451	5.80E-40	negative
PAK2	SPINT1-A	-0.51138	1.34E-34	negative
CBLC	SPINT1-A	0.50308	2.27E-33	postive
LEAP2	AP00662	0.67687	3.89E-68	postive
LMBR1L	AP00662	0.55435	1.52E-41	postive
DDX17	AP00662	0.65325	4.89E-62	postive
NR2C2	AP00662	0.51705	1.84E-35	postive
RORA	AP00662	0.55925	2.12E-42	postive
LEAP2	AC00422	0.59648	2.09E-49	postive
NFAT5	AC00422	0.52444	1.32E-36	postive
RORA	AC00422	0.60816	8.48E-52	postive
LEAP2	AL45038	0.57507	2.87E-45	postive
AGER	AL45038	0.60831	7.90E-52	postive
UCN	AL45038	0.5492	1.17E-40	postive
MC1R	AL45038	0.51254	8.94E-35	postive

MX2	AC00873	0.52929	2.25E-37	postive
IL7R	AC00873	0.62514	1.86E-55	postive
SERPINA	AC00873	0.51609	2.59E-35	postive
NFAT5	AC00873	0.55965	1.80E-42	postive
AZGP1	AL606491	0.51917	8.71E-36	postive
STING1	AC00508	0.55064	6.64E-41	postive
CCL28	AC00508	0.50061	5.20E-33	postive
CXCL17	AC00508	0.51788	1.38E-35	postive
RARG	AC00508	0.53384	4.18E-38	postive
CANX	AC13820	-0.50924	2.80E-34	negative
FCGRT	AC13820	0.57225	9.57E-45	postive
PSMC3	AC13820	0.58329	8.04E-47	postive
PSMC5	AC13820	0.60614	2.24E-51	postive
RFXANK	AC13820	0.56841	4.83E-44	postive
UBXN1	AC13820	0.62994	1.56E-56	postive
S100A13	AC13820	0.64388	9.09E-60	postive
S100A6	AC13820	0.57326	6.22E-45	postive
IRF3	AC13820	0.53178	9.00E-38	postive
CD81	AC13820	0.61712	1.06E-53	postive
APOM	AC13820	0.53647	1.56E-38	postive
HRAS	AC13820	0.61833	5.79E-54	postive
CLEC11A	AC13820	0.55201	3.86E-41	postive
FLT3LG	AC13820	0.5337	4.40E-38	postive
NENF	AC13820	0.62685	7.72E-56	postive
NMB	AC13820	0.56164	7.98E-43	postive
PTH1R	AC13820	0.50008	6.22E-33	postive
LMBR1L	KLF3-AS	0.5217	3.53E-36	postive
DDX17	KLF3-AS	0.5799	3.56E-46	postive
LEAP2	AC24588	0.67162	9.90E-67	postive
LCN12	AC24588	0.54704	2.73E-40	postive
LMBR1L	AC24588	0.61942	3.37E-54	postive
AGER	AC24588	0.62633	1.01E-55	postive
RFXANK	AC01687	0.51659	2.17E-35	postive
MAP2K2	AC01687	0.56045	1.30E-42	postive
MIF	AC01687	0.54062	3.24E-39	postive
HRAS	AC01687	0.55759	4.15E-42	postive
MYDGF	AC01687	0.51421	4.99E-35	postive
NR2F6	AC01687	0.51697	1.90E-35	postive
SOS2	AC01687	-0.51145	1.30E-34	negative
NCK1	NCK1-DT	0.72129	2.66E-81	postive
LEAP2	CAPN10-	0.63596	6.56E-58	postive
LCN12	CAPN10-	0.52127	4.12E-36	postive
LMBR1L	CAPN10-	0.50553	9.92E-34	postive
TYK2	CAPN10-	0.52607	7.31E-37	postive
AP3B1	ASMTL-A	-0.52198	3.20E-36	negative
LCN12	ASMTL-A	0.77093	1.97E-99	postive
LMBR1L	ASMTL-A	0.60108	2.46E-50	postive
IRF3	ASMTL-A	0.5781	7.77E-46	postive
C8G	ASMTL-A	0.54634	3.58E-40	postive
AGER	ASMTL-A	0.67173	9.26E-67	postive
UCN	ASMTL-A	0.56446	2.50E-43	postive
EPOR	ASMTL-A	0.51738	1.64E-35	postive
HFE	AC01592	0.52351	1.85E-36	postive
MR1	AC01592	0.65761	4.02E-63	postive
PSMC5	AC01592	-0.50029	5.79E-33	negative
PSMD4	AC01592	-0.54946	1.06E-40	negative

PSMD13	AC01592:	-0.57918	4.86E-46	negative
ADRM1	AC01592:	-0.53462	3.12E-38	negative
ERAP1	AC01592:	0.54052	3.36E-39	postive
UBR1	AC01592:	0.56564	1.53E-43	postive
SLC40A1	AC01592:	0.57535	2.54E-45	postive
TLR3	AC01592:	0.60539	3.20E-51	postive
NEDD4	AC01592:	0.59815	9.66E-50	postive
RNASEL	AC01592:	0.61361	6.01E-53	postive
PPIA	AC01592:	-0.53268	6.43E-38	negative
CYLD	AC01592:	0.56457	2.38E-43	postive
AHNAK	AC01592:	0.587	1.55E-47	postive
TLR1	AC01592:	0.54001	4.09E-39	postive
SP1	AC01592:	0.52349	1.86E-36	postive
JAK1	AC01592:	0.70078	6.42E-75	postive
ILK	AC01592:	0.50878	3.27E-34	postive
PPP4C	AC01592:	-0.55793	3.60E-42	negative
LTBP1	AC01592:	0.50317	2.21E-33	postive
JAK2	AC01592:	0.58784	1.06E-47	postive
NFAT5	AC01592:	0.54759	2.20E-40	postive
NFATC3	AC01592:	0.57164	1.24E-44	postive
HRAS	AC01592:	-0.54483	6.43E-40	negative
PIK3R1	AC01592:	0.64999	3.08E-61	postive
PRKCB	AC01592:	0.5615	8.44E-43	postive
FGF10	AC01592:	0.59969	4.71E-50	postive
SLIT2	AC01592:	0.51602	2.65E-35	postive
TNC	AC01592:	0.52159	3.68E-36	postive
EDNRA	AC01592:	0.60141	2.10E-50	postive
PLXNA2	AC01592:	0.57094	1.67E-44	postive
ROBO1	AC01592:	0.61205	1.29E-52	postive
IL33	AC01592:	0.62733	6.02E-56	postive
IL6ST	AC01592:	0.68565	1.50E-70	postive
OGN	AC01592:	0.50305	2.30E-33	postive
PDGFC	AC01592:	0.59083	2.76E-48	postive
TGFB2	AC01592:	0.51674	2.06E-35	postive
ANGPT1	AC01592:	0.63863	1.57E-58	postive
BMPR2	AC01592:	0.52384	1.64E-36	postive
CRIM1	AC01592:	0.65822	2.83E-63	postive
EGFR	AC01592:	0.55101	5.74E-41	postive
FGFR1	AC01592:	0.51401	5.36E-35	postive
KDR	AC01592:	0.50739	5.26E-34	postive
LEPR	AC01592:	0.63211	5.01E-57	postive
MET	AC01592:	0.58497	3.82E-47	postive
NR2F2	AC01592:	0.51758	1.53E-35	postive
NR2F6	AC01592:	-0.56236	5.95E-43	negative
NR3C1	AC01592:	0.59471	4.73E-49	postive
NR3C2	AC01592:	0.52081	4.85E-36	postive
OSMR	AC01592:	0.53234	7.29E-38	postive
PGR	AC01592:	0.68905	1.64E-71	postive
PTGER2	AC01592:	0.51922	8.57E-36	postive
RARB	AC01592:	0.65221	8.80E-62	postive
TEK	AC01592:	0.51144	1.31E-34	postive
TGFBR2	AC01592:	0.67053	1.92E-66	postive
TGFBR3	AC01592:	0.71804	2.99E-80	postive
PTPN11	AC01592:	0.53899	6.02E-39	postive
SOS1	AC01592:	0.57058	1.94E-44	postive
SOS2	AC01592:	0.52017	6.11E-36	postive

PRKCA	AC01592	0.50876	3.30E-34	postive
LEAP2	AL139287	0.6098	3.84E-52	postive
LCN12	AL139287	0.52346	1.88E-36	postive
LMBR1L	AL139287	0.71986	7.76E-81	postive
IRF3	AL139287	0.52745	4.41E-37	postive
C8G	AL139287	0.50687	6.30E-34	postive
TYK2	AL139287	0.5109	1.58E-34	postive
LTB4R	AL139287	0.56079	1.13E-42	postive
IRF9	AL139287	0.51573	2.93E-35	postive
AGER	AL139287	0.6461	2.67E-60	postive
MC1R	AL139287	0.53484	2.88E-38	postive
TNFRSF2	AL139287	0.51216	1.02E-34	postive
LEAP2	AL049840	0.5118	1.16E-34	postive
ZC3HAV1	AL049840	0.5052	1.11E-33	postive
ZC3HAV1	AL049840	0.63036	1.25E-56	postive
SP1	AL049840	0.50264	2.63E-33	postive
DDX17	AL049840	0.69749	6.04E-74	postive
NFAT5	AL049840	0.77247	#####	postive
NFATC3	AL049840	0.59027	3.57E-48	postive
AKT3	AL049840	0.53137	1.05E-37	postive
SLIT2	AL049840	0.53668	1.44E-38	postive
PLXNC1	AL049840	0.50409	1.62E-33	postive
CRLF3	AL049840	0.57327	6.20E-45	postive
NR2C2	AL049840	0.64198	2.56E-59	postive
RORA	AL049840	0.83367	#####	postive
SOS1	AL049840	0.60096	2.59E-50	postive
PRKCA	AL049840	0.55742	4.45E-42	postive
CBL	AL049840	0.65213	9.18E-62	postive
PSMC5	AL118558	0.50445	1.43E-33	postive
RFXANK	AL118558	0.57252	8.54E-45	postive
UBXN1	AL118558	0.51788	1.38E-35	postive
MAP2K2	AL118558	0.53489	2.83E-38	postive
HRAS	AL118558	0.53409	3.80E-38	postive
NENF	AL118558	0.50221	3.05E-33	postive
UCN	AL118558	0.54808	1.82E-40	postive
PTPN11	AL118558	-0.52242	2.72E-36	negative
AP3B1	LINC0131	-0.52127	4.13E-36	negative
RFXANK	LINC0131	0.54525	5.47E-40	postive
LCN12	LINC0131	0.56986	2.62E-44	postive
IRF3	LINC0131	0.51416	5.09E-35	postive
C8G	LINC0131	0.54366	1.01E-39	postive
AGER	LINC0131	0.51887	9.70E-36	postive
HRAS	LINC0131	0.52227	2.88E-36	postive
IL6ST	LINC0131	-0.50104	4.50E-33	negative
UCN	LINC0131	0.62561	1.46E-55	postive
NR2F6	LINC0131	0.53578	2.03E-38	postive
UBXN1	MUC12-A	0.50651	7.11E-34	postive
S100A13	MUC12-A	0.63946	1.00E-58	postive
S100A6	MUC12-A	0.64483	5.41E-60	postive
RBP1	MUC12-A	0.51048	1.83E-34	postive
CD81	MUC12-A	0.50006	6.25E-33	postive
TPM2	MUC12-A	0.50748	5.11E-34	postive
FLT3LG	MUC12-A	0.56495	2.05E-43	postive
IL17B	MUC12-A	0.54131	2.49E-39	postive
IL34	MUC12-A	0.53423	3.62E-38	postive
NRTN	MUC12-A	0.50291	2.40E-33	postive

IL3RA	MUC12-A	0.51309	7.37E-35	postive
PTH1R	MUC12-A	0.53671	1.43E-38	postive
HCST	MUC12-A	0.5045	1.41E-33	postive
LMBR1L	PRKCZ-A	0.60511	3.65E-51	postive
LTB4R	PRKCZ-A	0.58959	4.85E-48	postive
AGER	PRKCZ-A	0.52999	1.74E-37	postive
LEAP2	AL161729	0.62173	1.05E-54	postive
C8G	AL161729	0.52189	3.31E-36	postive
LTB4R	AL161729	0.57558	2.30E-45	postive
AGER	AL161729	0.50165	3.67E-33	postive
AMH	AL161729	0.70393	7.30E-76	postive
LRSAM1	AL161729	0.61743	9.08E-54	postive
ZC3HAV1AC087271	AC087271	0.52871	2.79E-37	postive
DDX17	AC087271	0.61558	2.27E-53	postive
NFAT5	AC087271	0.66466	6.49E-65	postive
NFATC3	AC087271	0.50352	1.96E-33	postive
CRLF3	AC087271	0.51202	1.07E-34	postive
NR2C2	AC087271	0.52725	4.75E-37	postive
RORA	AC087271	0.73205	6.94E-85	postive
CBL	AC087271	0.54823	1.71E-40	postive
LEAP2	ZNF790-4	0.51014	2.05E-34	postive
PSMC5	RPARP-A	0.52273	2.44E-36	postive
PSMD13	RPARP-A	0.57376	5.02E-45	postive
AP3B1	RPARP-A	-0.50933	2.71E-34	negative
RFXANK	RPARP-A	0.6769	3.81E-68	postive
UBXN1	RPARP-A	0.57245	8.80E-45	postive
LCN12	RPARP-A	0.53322	5.26E-38	postive
STAT3	RPARP-A	-0.52114	4.32E-36	negative
JAK1	RPARP-A	-0.53528	2.44E-38	negative
SYTL1	RPARP-A	0.50677	6.51E-34	postive
MAP2K2	RPARP-A	0.61092	2.23E-52	postive
HRAS	RPARP-A	0.56306	4.45E-43	postive
MYDGF	RPARP-A	0.50947	2.58E-34	postive
CD320	RPARP-A	0.54618	3.81E-40	postive
IL6ST	RPARP-A	-0.53948	5.01E-39	negative
RABEP2	RPARP-A	0.53197	8.39E-38	postive
UCN	RPARP-A	0.54098	2.83E-39	postive
CRIM1	RPARP-A	-0.52125	4.15E-36	negative
NR2F6	RPARP-A	0.60662	1.77E-51	postive
PTPN11	RPARP-A	-0.52374	1.70E-36	negative
SHC2	RPARP-A	0.50705	5.92E-34	postive
SEM1	LINC0117	0.52253	2.63E-36	postive
LEAP2	LINC0117	0.51927	8.40E-36	postive
LCN12	LINC0117	0.50509	1.15E-33	postive
IRF3	LINC0117	0.53986	4.32E-39	postive
C8G	LINC0117	0.52996	1.76E-37	postive
AGER	LINC0117	0.62027	2.19E-54	postive
UCN	LINC0117	0.57311	6.62E-45	postive
AP3B1	LINC0108	-0.54423	8.10E-40	negative
LEAP2	LINC0108	0.56477	2.20E-43	postive
LCN12	LINC0108	0.72806	1.55E-83	postive
LMBR1L	LINC0108	0.56486	2.12E-43	postive
IRF3	LINC0108	0.51963	7.40E-36	postive
C8G	LINC0108	0.62754	5.42E-56	postive
AGER	LINC0108	0.63875	1.47E-58	postive
UCN	LINC0108	0.57112	1.54E-44	postive

NR2F6	LINC0108	0.5214	3.93E-36	positive
SEM1	AL121829	0.5389	6.24E-39	positive
FAM3B	AC12617	0.53868	6.79E-39	positive
PSMC5	AL109936	0.51742	1.62E-35	positive
RFXANK	AL109936	0.57216	9.95E-45	positive
MAPK14	AL109936	-0.55453	1.42E-41	negative
LMBR1	AL109936	-0.52108	4.40E-36	negative
SYTL1	AL109936	0.52241	2.74E-36	positive
SEPTIN7	AL109936	-0.54564	4.70E-40	negative
RABEP2	AL109936	0.57106	1.58E-44	positive
IL13RA1	AL109936	-0.51446	4.58E-35	negative
PTPN11	AL109936	-0.53575	2.05E-38	negative
AP3B1	DICER1-/-	-0.54482	6.45E-40	negative
LEAP2	DICER1-/-	0.5832	8.36E-47	positive
LCN12	DICER1-/-	0.67197	7.99E-67	positive
LMBR1L	DICER1-/-	0.54786	1.98E-40	positive
IRF3	DICER1-/-	0.54215	1.80E-39	positive
C8G	DICER1-/-	0.56993	2.55E-44	positive
LTB4R	DICER1-/-	0.54679	3.00E-40	positive
AGER	DICER1-/-	0.6328	3.50E-57	positive
ACO1	DICER1-/-	-0.52815	3.42E-37	negative
HRAS	DICER1-/-	0.50978	2.32E-34	positive
UCN	DICER1-/-	0.6905	6.38E-72	positive
IGF2R	DICER1-/-	-0.51645	2.28E-35	negative
MC1R	DICER1-/-	0.57008	2.40E-44	positive
LEAP2	AL365330	0.6004	3.37E-50	positive
LCN12	AL365330	0.52319	2.07E-36	positive
LMBR1L	AL365330	0.62655	9.00E-56	positive
TYK2	AL365330	0.56531	1.76E-43	positive
LTB4R	AL365330	0.54826	1.69E-40	positive
DDX17	AL365330	0.50825	3.93E-34	positive
IRF9	AL365330	0.5074	5.25E-34	positive
AGER	AL365330	0.53119	1.12E-37	positive
NOX1	AC02639	0.56779	6.27E-44	positive
ZC3HAV1AC004918	0.58453	4.65E-47	positive	
ZC3HAV1AC004918	0.66767	1.08E-65	positive	
EIF2AK2	AC004918	0.50907	2.96E-34	positive
SP1	AC004918	0.52677	5.66E-37	positive
DDX17	AC004918	0.59049	3.23E-48	positive
NFAT5	AC004918	0.74079	6.31E-88	positive
NFATC3	AC004918	0.58945	5.16E-48	positive
AKT3	AC004918	0.53417	3.69E-38	positive
SLIT2	AC004918	0.50493	1.22E-33	positive
PLXNC1	AC004918	0.50879	3.26E-34	positive
CRLF3	AC004918	0.58017	3.16E-46	positive
NR2C2	AC004918	0.64217	2.32E-59	positive
RORA	AC004918	0.77986	#####	positive
SOS1	AC004918	0.61389	5.24E-53	positive
CBL	AC004918	0.65447	2.44E-62	positive
DDX17	AC245060	0.60369	7.16E-51	positive
PLXNB3	AC245060	0.50913	2.91E-34	positive
NR2C2	AC245060	0.60987	3.71E-52	positive
PLCG1	AC245060	0.52506	1.05E-36	positive
CREB1	AC005034	0.60577	2.67E-51	positive
PSMC3	AC005034	-0.51643	2.29E-35	negative
PSMD4	AC005034	-0.50957	2.49E-34	negative

AP3B1	AC00503	0.50314	2.23E-33	postive
RFXANK	AC00503	-0.54364	1.02E-39	negative
ADRM1	AC00503	-0.51961	7.45E-36	negative
UBXN1	AC00503	-0.5046	1.36E-33	negative
UBR1	AC00503	0.60601	2.37E-51	postive
MAPK1	AC00503	0.56861	4.44E-44	postive
MAPK14	AC00503	0.50475	1.29E-33	postive
EIF2AK2	AC00503	0.52597	7.56E-37	postive
AHNAK	AC00503	0.54484	6.39E-40	postive
SP1	AC00503	0.54446	7.41E-40	postive
JAK1	AC00503	0.5362	1.73E-38	postive
IREB2	AC00503	0.55351	2.13E-41	postive
MAP2K2	AC00503	-0.51724	1.73E-35	negative
LANCL1	AC00503	0.54658	3.26E-40	postive
PPP4C	AC00503	-0.51373	5.91E-35	negative
JAK2	AC00503	0.52439	1.34E-36	postive
NFATC3	AC00503	0.52457	1.26E-36	postive
HRAS	AC00503	-0.53668	1.44E-38	negative
PIK3R1	AC00503	0.55677	5.77E-42	postive
PIK3CA	AC00503	0.50589	8.79E-34	postive
BMPR2	AC00503	0.60421	5.61E-51	postive
CRIM1	AC00503	0.53881	6.46E-39	postive
IGF2R	AC00503	0.50637	7.46E-34	postive
NR2C2	AC00503	0.58051	2.72E-46	postive
NR2F6	AC00503	-0.55447	1.45E-41	negative
NR3C1	AC00503	0.50403	1.65E-33	postive
PPARA	AC00503	0.55068	6.55E-41	postive
PTPN11	AC00503	0.61921	3.73E-54	postive
SOS1	AC00503	0.56107	1.01E-42	postive
SOS2	AC00503	0.6115	1.68E-52	postive
LEAP2	AC01146	0.6518	1.11E-61	postive
LCN12	AC01146	0.52931	2.24E-37	postive
LMBR1L	AC01146	0.66951	3.55E-66	postive
IRF3	AC01146	0.55178	4.24E-41	postive
LTB4R	AC01146	0.54296	1.32E-39	postive
AGER	AC01146	0.57359	5.41E-45	postive
LCN12	AC00729	0.5482	1.73E-40	postive
LMBR1L	AC00729	0.56586	1.40E-43	postive
IRF3	AC00729	0.61956	3.13E-54	postive
LTB4R	AC00729	0.54791	1.94E-40	postive
AGER	AC00729	0.67908	9.78E-69	postive
HRAS	AC00729	0.524	1.54E-36	postive
UCN	AC00729	0.57104	1.59E-44	postive
IGF2R	AC00729	-0.50732	5.41E-34	negative
MC1R	AC00729	0.52092	4.67E-36	postive
OGFR	AC00729	0.53543	2.31E-38	postive
S100A6	AP00307	0.63584	6.98E-58	postive
S100A16	AP00307	0.54517	5.64E-40	postive
TINAGL1	AP00307	0.77564	#####	postive
TGFB1	AP00307	0.52582	8.00E-37	postive
A2M	AP00307	0.54763	2.17E-40	postive
RBP1	AP00307	0.50056	5.29E-33	postive
FABP3	AP00307	0.55757	4.18E-42	postive
ZYX	AP00307	0.67634	5.40E-68	postive
ELN	AP00307	0.57061	1.92E-44	postive
CSRP1	AP00307	0.69398	6.36E-73	postive

TPM2	AP00307	0.55402	1.74E-41	postive
STING1	AP00307	0.55637	6.76E-42	postive
DES	AP00307	0.6337	2.17E-57	postive
KCNH2	AP00307	0.52232	2.83E-36	postive
ILK	AP00307	0.61901	4.12E-54	postive
MASP1	AP00307	0.65142	1.37E-61	postive
PDGFRB	AP00307	0.52973	1.92E-37	postive
ANXA6	AP00307	0.77331	#####	postive
VIM	AP00307	0.62487	2.13E-55	postive
GBP2	AP00307	0.52399	1.55E-36	postive
LTBP1	AP00307	0.58993	4.16E-48	postive
NFATC4	AP00307	0.6653	4.45E-65	postive
PRKCB	AP00307	0.51296	7.73E-35	postive
CX3CL1	AP00307	0.5202	6.03E-36	postive
FGF10	AP00307	0.52315	2.10E-36	postive
SEMA3B	AP00307	0.55089	6.02E-41	postive
EDNRA	AP00307	0.66917	4.38E-66	postive
PLXND1	AP00307	0.52503	1.07E-36	postive
BMP1	AP00307	0.5891	6.05E-48	postive
BMP4	AP00307	0.61514	2.83E-53	postive
CSF1	AP00307	0.55672	5.88E-42	postive
CTF1	AP00307	0.67231	6.47E-67	postive
CCN2	AP00307	0.53999	4.12E-39	postive
FLT3LG	AP00307	0.53613	1.77E-38	postive
IL17B	AP00307	0.53829	7.85E-39	postive
IL33	AP00307	0.60893	5.86E-52	postive
IL34	AP00307	0.6158	2.04E-53	postive
LTBP3	AP00307	0.54821	1.73E-40	postive
LTBP4	AP00307	0.68006	5.29E-69	postive
NDP	AP00307	0.58536	3.21E-47	postive
NRTN	AP00307	0.54816	1.76E-40	postive
OGN	AP00307	0.58458	4.55E-47	postive
PDGFC	AP00307	0.58931	5.49E-48	postive
TNFSF12	AP00307	0.53083	1.28E-37	postive
TSLP	AP00307	0.60606	2.32E-51	postive
ACVRL1	AP00307	0.58134	1.90E-46	postive
ANGPT1	AP00307	0.51585	2.81E-35	postive
ANGPTL1	AP00307	0.54976	9.40E-41	postive
FGFR1	AP00307	0.70331	1.12E-75	postive
LGR6	AP00307	0.54403	8.76E-40	postive
NR2F1	AP00307	0.6233	4.74E-55	postive
NRP2	AP00307	0.5512	5.33E-41	postive
PGR	AP00307	0.60804	9.00E-52	postive
PTGER2	AP00307	0.65379	3.59E-62	postive
PTH1R	AP00307	0.66713	1.49E-65	postive
RARA	AP00307	0.56018	1.45E-42	postive
RARG	AP00307	0.53589	1.94E-38	postive
S1PR2	AP00307	0.62138	1.25E-54	postive
SDC3	AP00307	0.68281	9.27E-70	postive
TGFBR3	AP00307	0.63838	1.80E-58	postive
TIE1	AP00307	0.5036	1.91E-33	postive
ZC3HAV1	AL158212	0.51711	1.80E-35	postive
MAVS	AL158212	0.58793	1.02E-47	postive
CYLD	AL158212	0.53686	1.35E-38	postive
TRAF3	AL158212	0.52493	1.10E-36	postive
DDX17	AL158212	0.53867	6.82E-39	postive

NFAT5	AL158212	0.65462	2.24E-62	postive
NFATC3	AL158212	0.56763	6.70E-44	postive
NR2C2	AL158212	0.60153	1.99E-50	postive
PGR	AL158212	0.54772	2.09E-40	postive
PPARA	AL158212	0.55142	4.88E-41	postive
RORA	AL158212	0.65336	4.58E-62	postive
SOS1	AL158212	0.56103	1.02E-42	postive
PRKCA	AL158212	0.62537	1.66E-55	postive
CBL	AL158212	0.55981	1.68E-42	postive
LEAP2	ZNF32-A ^S	0.6639	1.02E-64	postive
ZC3HAV1	ZNF32-A ^S	0.53081	1.28E-37	postive
DDX17	ZNF32-A ^S	0.77561	#####	postive
IRF9	ZNF32-A ^S	0.58301	9.09E-47	postive
NFAT5	ZNF32-A ^S	0.6021	1.52E-50	postive
CRLF3	ZNF32-A ^S	0.53692	1.32E-38	postive
NR2C2	ZNF32-A ^S	0.6299	1.60E-56	postive
RORA	ZNF32-A ^S	0.63126	7.85E-57	postive
SOS1	ZNF32-A ^S	0.51533	3.37E-35	postive
CBL	ZNF32-A ^S	0.54596	4.15E-40	postive
SLC22A1	MPPED2-	0.52106	4.45E-36	postive
NTF4	MPPED2-	0.5861	2.32E-47	postive
RFXANK	AC05582 ^I	0.50387	1.74E-33	postive
IRF3	AC05582 ^I	0.51764	1.50E-35	postive
AGER	AC05582 ^I	0.53572	2.07E-38	postive
UCN	AC05582 ^I	0.55962	1.82E-42	postive
BECN1	MAP3K14	0.5183	1.19E-35	postive
HRAS	MAP3K14	-0.51866	1.04E-35	negative
CREB1	PAXIP1-A	0.76286	3.51E-96	postive
PSMC3	PAXIP1-A	-0.66958	3.40E-66	negative
PSMC5	PAXIP1-A	-0.6403	6.39E-59	negative
PSMD4	PAXIP1-A	-0.61191	1.38E-52	negative
PSMD13	PAXIP1-A	-0.54261	1.51E-39	negative
RFX5	PAXIP1-A	0.56298	4.61E-43	postive
AP3B1	PAXIP1-A	0.51244	9.25E-35	postive
RFXANK	PAXIP1-A	-0.60187	1.69E-50	negative
ADRM1	PAXIP1-A	-0.61025	3.09E-52	negative
UBXN1	PAXIP1-A	-0.58552	2.99E-47	negative
ERAP1	PAXIP1-A	0.59633	2.24E-49	postive
UBR1	PAXIP1-A	0.73545	4.70E-86	postive
ZC3HAV1	PAXIP1-A	0.6653	4.45E-65	postive
ZC3HAV1	PAXIP1-A	0.6044	5.12E-51	postive
MAPK1	PAXIP1-A	0.68122	2.53E-69	postive
TLR3	PAXIP1-A	0.5283	3.23E-37	postive
NEDD4	PAXIP1-A	0.58268	1.05E-46	postive
RNASEL	PAXIP1-A	0.55757	4.17E-42	postive
PPIA	PAXIP1-A	-0.50317	2.21E-33	negative
CYLD	PAXIP1-A	0.62292	5.77E-55	postive
MAPK14	PAXIP1-A	0.68359	5.62E-70	postive
ITGAV	PAXIP1-A	0.52776	3.94E-37	postive
EIF2AK2	PAXIP1-A	0.70951	1.44E-77	postive
MAPK8	PAXIP1-A	0.58308	8.82E-47	postive
ADAR	PAXIP1-A	0.6048	4.23E-51	postive
AHNAK	PAXIP1-A	0.62877	2.87E-56	postive
TLR1	PAXIP1-A	0.52053	5.36E-36	postive
PRDX2	PAXIP1-A	-0.54332	1.15E-39	negative
LMBR1	PAXIP1-A	0.68423	3.73E-70	postive

SP1	PAXIP1-A	0.77677	#####	positive
SOD1	PAXIP1-A	-0.53816	8.24E-39	negative
JAK1	PAXIP1-A	0.6685	6.53E-66	positive
IREB2	PAXIP1-A	0.70884	2.32E-77	positive
DDX17	PAXIP1-A	0.52391	1.60E-36	positive
MAP2K2	PAXIP1-A	-0.63612	6.02E-58	negative
LANCL1	PAXIP1-A	0.60889	5.96E-52	positive
PPP4C	PAXIP1-A	-0.59765	1.22E-49	negative
TANK	PAXIP1-A	0.52375	1.69E-36	positive
TBK1	PAXIP1-A	0.54685	2.94E-40	positive
MIF	PAXIP1-A	-0.53292	5.89E-38	negative
JAK2	PAXIP1-A	0.64149	3.36E-59	positive
PTK2	PAXIP1-A	0.56536	1.72E-43	positive
NFAT5	PAXIP1-A	0.66445	7.34E-65	positive
NFATC3	PAXIP1-A	0.66869	5.83E-66	positive
HRAS	PAXIP1-A	-0.63526	9.52E-58	negative
KRAS	PAXIP1-A	0.50296	2.37E-33	positive
NRAS	PAXIP1-A	0.51188	1.12E-34	positive
CHUK	PAXIP1-A	0.55126	5.21E-41	positive
NFKBIB	PAXIP1-A	-0.55471	1.32E-41	negative
PIK3R1	PAXIP1-A	0.57978	3.75E-46	positive
PIK3CA	PAXIP1-A	0.64576	3.24E-60	positive
AKT3	PAXIP1-A	0.59596	2.65E-49	positive
GSK3B	PAXIP1-A	0.63789	2.34E-58	positive
PLXNC1	PAXIP1-A	0.51696	1.90E-35	positive
MYDGF	PAXIP1-A	-0.5876	1.19E-47	negative
CD320	PAXIP1-A	-0.53131	1.07E-37	negative
GMFB	PAXIP1-A	0.51001	2.14E-34	positive
IL6ST	PAXIP1-A	0.53824	8.01E-39	positive
NENF	PAXIP1-A	-0.59798	1.04E-49	negative
RABEP2	PAXIP1-A	-0.50965	2.43E-34	negative
ACVR2B	PAXIP1-A	0.54947	1.05E-40	positive
BMPR2	PAXIP1-A	0.74329	8.12E-89	positive
CRIM1	PAXIP1-A	0.55828	3.14E-42	positive
CRLF3	PAXIP1-A	0.5155	3.18E-35	positive
EGFR	PAXIP1-A	0.6059	2.50E-51	positive
IGF2R	PAXIP1-A	0.57604	1.89E-45	positive
IL1RAP	PAXIP1-A	0.55048	7.08E-41	positive
NR1D2	PAXIP1-A	0.5549	1.22E-41	positive
NR1H2	PAXIP1-A	-0.52911	2.41E-37	negative
NR2C2	PAXIP1-A	0.80302	#####	positive
NR2F2	PAXIP1-A	0.52772	4.01E-37	positive
NR2F6	PAXIP1-A	-0.64506	4.76E-60	negative
NR3C1	PAXIP1-A	0.55077	6.30E-41	positive
NR3C2	PAXIP1-A	0.50461	1.35E-33	positive
PPARA	PAXIP1-A	0.67754	2.56E-68	positive
RORA	PAXIP1-A	0.6091	5.40E-52	positive
PTPN11	PAXIP1-A	0.69973	1.31E-74	positive
SOS1	PAXIP1-A	0.76177	9.37E-96	positive
SOS2	PAXIP1-A	0.7394	1.97E-87	positive
PRKCA	PAXIP1-A	0.5041	1.61E-33	positive
PAK2	PAXIP1-A	0.61815	6.36E-54	positive
CBL	PAXIP1-A	0.68728	5.23E-71	positive
CBLB	PAXIP1-A	0.6337	2.17E-57	positive
LEAP2	AC02779I	0.52105	4.46E-36	positive
LMBR1L	AC02779I	0.72597	7.71E-83	positive

TYK2	AC027791	0.55203	3.84E-41	positive
LTB4R	AC027791	0.53882	6.43E-39	positive
IRF9	AC027791	0.51702	1.86E-35	positive
AGER	AC027791	0.59011	3.84E-48	positive
MC1R	AC027791	0.51384	5.69E-35	positive
TNFRSF2	AC027791	0.5172	1.75E-35	positive
NR2C2	AC012461	0.50029	5.79E-33	positive
HFE	MAGI2-A1	0.57232	9.29E-45	positive
MR1	MAGI2-A1	0.73433	1.15E-85	positive
TINAGL1	MAGI2-A1	0.60616	2.21E-51	positive
A2M	MAGI2-A1	0.55837	3.03E-42	positive
DUOX1	MAGI2-A1	0.50389	1.73E-33	positive
TLR3	MAGI2-A1	0.55686	5.56E-42	positive
RNASEL	MAGI2-A1	0.59775	1.16E-49	positive
CD40	MAGI2-A1	0.54688	2.90E-40	positive
TNFAIP3	MAGI2-A1	0.51403	5.31E-35	positive
CYLD	MAGI2-A1	0.58815	9.24E-48	positive
CSRP1	MAGI2-A1	0.54645	3.43E-40	positive
AHNAK	MAGI2-A1	0.53505	2.66E-38	positive
TLR1	MAGI2-A1	0.53821	8.09E-39	positive
TKFC	MAGI2-A1	-0.51858	1.07E-35	negative
JAK1	MAGI2-A1	0.58337	7.76E-47	positive
ILK	MAGI2-A1	0.58676	1.72E-47	positive
APOBEC	MAGI2-A1	0.57634	1.66E-45	positive
MASP1	MAGI2-A1	0.59951	5.12E-50	positive
TRIM22	MAGI2-A1	0.62736	5.93E-56	positive
PDGFRB	MAGI2-A1	0.54978	9.30E-41	positive
ANXA6	MAGI2-A1	0.60824	8.17E-52	positive
GBP2	MAGI2-A1	0.51073	1.67E-34	positive
LTBP1	MAGI2-A1	0.61807	6.60E-54	positive
JAK2	MAGI2-A1	0.64314	1.37E-59	positive
NFAT5	MAGI2-A1	0.61286	8.68E-53	positive
NFATC3	MAGI2-A1	0.515	3.79E-35	positive
NFATC4	MAGI2-A1	0.52484	1.14E-36	positive
PIK3R1	MAGI2-A1	0.66729	1.36E-65	positive
INPP5D	MAGI2-A1	0.59334	8.83E-49	positive
PRKCB	MAGI2-A1	0.74831	1.22E-90	positive
FGF10	MAGI2-A1	0.73914	2.43E-87	positive
SEMA5A	MAGI2-A1	0.55348	2.15E-41	positive
SEMA6D	MAGI2-A1	0.59807	9.99E-50	positive
SLIT2	MAGI2-A1	0.65508	1.72E-62	positive
TNC	MAGI2-A1	0.55811	3.36E-42	positive
EDNRA	MAGI2-A1	0.77629	#####	positive
PLXNA2	MAGI2-A1	0.50128	4.15E-33	positive
PLXNC1	MAGI2-A1	0.58177	1.57E-46	positive
PLXND1	MAGI2-A1	0.50016	6.05E-33	positive
ROBO1	MAGI2-A1	0.55945	1.95E-42	positive
BMP1	MAGI2-A1	0.58085	2.35E-46	positive
BMP4	MAGI2-A1	0.59199	1.64E-48	positive
CSF1	MAGI2-A1	0.54038	3.55E-39	positive
CTF1	MAGI2-A1	0.56073	1.16E-42	positive
CCN2	MAGI2-A1	0.52848	3.04E-37	positive
IL33	MAGI2-A1	0.75865	1.54E-94	positive
IL6ST	MAGI2-A1	0.63439	1.51E-57	positive
LTBP4	MAGI2-A1	0.52536	9.45E-37	positive
NRG2	MAGI2-A1	0.62109	1.46E-54	positive

OGN	MAGI2-A ⁺	0.67013	2.44E-66	positive
PDGFC	MAGI2-A ⁺	0.72261	9.90E-82	positive
PDGFD	MAGI2-A ⁺	0.50995	2.19E-34	positive
TGFB2	MAGI2-A ⁺	0.56335	3.96E-43	positive
TOR2A	MAGI2-A ⁺	-0.5132	7.10E-35	negative
TSLP	MAGI2-A ⁺	0.57511	2.82E-45	positive
ANGPT1	MAGI2-A ⁺	0.77	4.75E-99	positive
ANGPTL1	MAGI2-A ⁺	0.71284	1.32E-78	positive
CRIM1	MAGI2-A ⁺	0.6264	9.76E-56	positive
CSF3R	MAGI2-A ⁺	0.56284	4.87E-43	positive
ESR1	MAGI2-A ⁺	0.59387	6.95E-49	positive
FGFR1	MAGI2-A ⁺	0.70961	1.34E-77	positive
IL18R1	MAGI2-A ⁺	0.51347	6.46E-35	positive
LEPR	MAGI2-A ⁺	0.66199	3.14E-64	positive
MET	MAGI2-A ⁺	0.55149	4.75E-41	positive
NR2F1	MAGI2-A ⁺	0.60042	3.35E-50	positive
NR3C1	MAGI2-A ⁺	0.61133	1.83E-52	positive
NRP2	MAGI2-A ⁺	0.60229	1.39E-50	positive
PGR	MAGI2-A ⁺	0.86235	#####	positive
PTGER2	MAGI2-A ⁺	0.68285	9.04E-70	positive
RARB	MAGI2-A ⁺	0.7045	4.91E-76	positive
RORA	MAGI2-A ⁺	0.68117	2.61E-69	positive
S1PR1	MAGI2-A ⁺	0.51241	9.37E-35	positive
S1PR2	MAGI2-A ⁺	0.54774	2.07E-40	positive
SDC3	MAGI2-A ⁺	0.60156	1.96E-50	positive
TEK	MAGI2-A ⁺	0.51035	1.91E-34	positive
TGFBR2	MAGI2-A ⁺	0.73174	8.86E-85	positive
TGFBR3	MAGI2-A ⁺	0.83571	#####	positive
LCP2	MAGI2-A ⁺	0.55864	2.71E-42	positive
FYN	MAGI2-A ⁺	0.61604	1.81E-53	positive
SOS1	MAGI2-A ⁺	0.56675	9.66E-44	positive
PRKCA	MAGI2-A ⁺	0.67881	1.16E-68	positive
MAP3K8	MAGI2-A ⁺	0.59612	2.46E-49	positive
CBL	MAGI2-A ⁺	0.50881	3.25E-34	positive
LMBR1L	BCRP3	0.50292	2.40E-33	positive
AGER	BCRP3	0.50505	1.17E-33	positive
RFXANK	AC02066 ⁺	0.52685	5.50E-37	positive
LEAP2	AC00703 ⁺	0.60189	1.68E-50	positive
LCN12	AC00703 ⁺	0.50551	1.00E-33	positive
LMBR1L	AC00703 ⁺	0.65875	2.08E-63	positive
EED	AC00703 ⁺	0.51713	1.79E-35	positive
LTB4R	AC00703 ⁺	0.57514	2.78E-45	positive
AGER	AC00703 ⁺	0.7121	2.26E-78	positive
TNFRSF2	AC00703 ⁺	0.53871	6.71E-39	positive
LCN12	AC02647 ⁺	0.53851	7.22E-39	positive
AGER	AC02647 ⁺	0.51796	1.34E-35	positive
UCN	AC02647 ⁺	0.55019	7.94E-41	positive
LEAP2	AP00116 ⁺	0.53252	6.84E-38	positive
LCN12	AP00116 ⁺	0.50245	2.81E-33	positive
LMBR1L	AP00116 ⁺	0.53462	3.13E-38	positive
AGER	AP00116 ⁺	0.58995	4.12E-48	positive
UCN	AP00116 ⁺	0.50072	5.01E-33	positive
HRAS	AC01591 ⁺	0.51411	5.17E-35	positive
UCN	AC01591 ⁺	0.50786	4.49E-34	positive
NR2F6	AC01591 ⁺	0.51221	1.00E-34	positive
TNFRSF1	TNFRSF1	0.79058	#####	positive

TNFRSF1	TNFRSF1	0.53417	3.69E-38	postive
LMBR1L	AL049840	0.5725	8.60E-45	postive
IRF3	AL049840	0.57709	1.20E-45	postive
AGER	AL049840	0.53291	5.90E-38	postive
LEAP2	AL109811	0.57693	1.29E-45	postive
LCN12	AL109811	0.53461	3.14E-38	postive
LMBR1L	AL109811	0.68119	2.58E-69	postive
IRF3	AL109811	0.55189	4.05E-41	postive
ROBO3	AL109811	0.50509	1.15E-33	postive
LTB4R	AL109811	0.56968	2.83E-44	postive
AGER	AL109811	0.73423	1.24E-85	postive
EPOR	AL109811	0.50198	3.29E-33	postive
TNFRSF2	AL109811	0.59721	1.49E-49	postive
LEAP2	AC004140	0.75575	1.99E-93	postive
LCN12	AC004140	0.53357	4.62E-38	postive
LMBR1L	AC004140	0.71012	9.31E-78	postive
LTB4R	AC004140	0.5398	4.43E-39	postive
DDX17	AC004140	0.52156	3.72E-36	postive
AGER	AC004140	0.66861	6.11E-66	postive
PSMD13	AC07421	0.51174	1.18E-34	postive
AP3B1	AC07421	-0.58235	1.22E-46	negative
RFXANK	AC07421	0.65771	3.79E-63	postive
UBXN1	AC07421	0.5127	8.46E-35	postive
UBR1	AC07421	-0.53124	1.10E-37	negative
LCN12	AC07421	0.65261	7.03E-62	postive
IRF3	AC07421	0.59231	1.41E-48	postive
C8G	AC07421	0.5632	4.20E-43	postive
MAPK1	AC07421	-0.55974	1.73E-42	negative
JAK1	AC07421	-0.54462	6.97E-40	negative
SYTL1	AC07421	0.54997	8.66E-41	postive
MAP2K2	AC07421	0.66744	1.24E-65	postive
PPP4C	AC07421	0.5175	1.57E-35	postive
AGER	AC07421	0.52606	7.34E-37	postive
MIF	AC07421	0.51616	2.52E-35	postive
HRAS	AC07421	0.62664	8.62E-56	postive
MYDGF	AC07421	0.51051	1.81E-34	postive
IL6ST	AC07421	-0.5429	1.35E-39	negative
RABEP2	AC07421	0.5841	5.63E-47	postive
UCN	AC07421	0.66808	8.44E-66	postive
NR2F6	AC07421	0.69472	3.89E-73	postive
OGFR	AC07421	0.55659	6.20E-42	postive
TNFRSF1	AC07421	0.5546	1.38E-41	postive
PTPN11	AC07421	-0.6006	3.08E-50	negative
SHC2	AC07421	0.60331	8.59E-51	postive
MR1	FENDRR	0.61543	2.44E-53	postive
PTGDS	FENDRR	0.50926	2.78E-34	postive
S100A6	FENDRR	0.51085	1.61E-34	postive
TINAGL1	FENDRR	0.69121	3.99E-72	postive
A2M	FENDRR	0.57654	1.53E-45	postive
ZYX	FENDRR	0.52677	5.67E-37	postive
CSRP1	FENDRR	0.75182	6.08E-92	postive
DES	FENDRR	0.58415	5.51E-47	postive
KCNH2	FENDRR	0.53475	2.97E-38	postive
ILK	FENDRR	0.677	3.59E-68	postive
APOBEC	FENDRR	0.55566	9.02E-42	postive
MASP1	FENDRR	0.727	3.50E-83	postive

ANXA6	FENDRR	0.76645	1.30E-97	postive
LTBP1	FENDRR	0.59797	1.05E-49	postive
NFATC4	FENDRR	0.63795	2.26E-58	postive
PIK3R1	FENDRR	0.51788	1.38E-35	postive
INPP5D	FENDRR	0.52538	9.39E-37	postive
PRKCB	FENDRR	0.76469	6.62E-97	postive
FGF10	FENDRR	0.7034	1.05E-75	postive
SLIT2	FENDRR	0.56059	1.23E-42	postive
EDNRA	FENDRR	0.72277	8.72E-82	postive
EDNRB	FENDRR	0.50873	3.33E-34	postive
BMP1	FENDRR	0.51999	6.50E-36	postive
BMP4	FENDRR	0.63926	1.12E-58	postive
BMP5	FENDRR	0.50829	3.87E-34	postive
CTF1	FENDRR	0.67781	2.17E-68	postive
FGF7	FENDRR	0.51791	1.36E-35	postive
IL33	FENDRR	0.67732	2.94E-68	postive
LTBP4	FENDRR	0.6374	3.03E-58	postive
NDP	FENDRR	0.64293	1.53E-59	postive
NRG2	FENDRR	0.63733	3.15E-58	postive
OGN	FENDRR	0.71724	5.36E-80	postive
PDGFC	FENDRR	0.67834	1.56E-68	postive
TSLP	FENDRR	0.72162	2.07E-81	postive
ANGPT1	FENDRR	0.72685	3.93E-83	postive
ANGPTL1	FENDRR	0.72743	2.53E-83	postive
FGFR1	FENDRR	0.78258	#####	postive
LGR6	FENDRR	0.64928	4.57E-61	postive
NR2F1	FENDRR	0.58999	4.05E-48	postive
NRP2	FENDRR	0.56209	6.63E-43	postive
PGR	FENDRR	0.80584	#####	postive
PTGER2	FENDRR	0.74433	3.43E-89	postive
PTH1R	FENDRR	0.63558	8.04E-58	postive
RARB	FENDRR	0.55823	3.20E-42	postive
S1PR2	FENDRR	0.63276	3.57E-57	postive
SDC3	FENDRR	0.68329	6.80E-70	postive
TGFBR2	FENDRR	0.58522	3.42E-47	postive
TGFBR3	FENDRR	0.77582	#####	postive
PRKCA	FENDRR	0.63068	1.06E-56	postive
HFE	AC00518I	0.53641	1.60E-38	postive
MR1	AC00518I	0.5707	1.84E-44	postive
TINAGL1	AC00518I	0.62298	5.59E-55	postive
CSRP1	AC00518I	0.71591	1.42E-79	postive
ILK	AC00518I	0.71589	1.45E-79	postive
APOBEC	AC00518I	0.52314	2.11E-36	postive
MASP1	AC00518I	0.59864	7.67E-50	postive
ANXA6	AC00518I	0.6494	4.27E-61	postive
LTBP1	AC00518I	0.52325	2.03E-36	postive
PRKCB	AC00518I	0.61585	1.99E-53	postive
FGF10	AC00518I	0.64002	7.42E-59	postive
EDNRA	AC00518I	0.71627	1.10E-79	postive
BMP4	AC00518I	0.50363	1.89E-33	postive
CTF1	AC00518I	0.57828	7.19E-46	postive
IL33	AC00518I	0.63616	5.91E-58	postive
NDP	AC00518I	0.57274	7.76E-45	postive
NRG2	AC00518I	0.55007	8.33E-41	postive
OGN	AC00518I	0.69541	2.44E-73	postive
PDGFC	AC00518I	0.63157	6.67E-57	postive

TGFB2	AC005180	0.50318	2.19E-33	positive
TSLP	AC005180	0.58373	6.63E-47	positive
ANGPT1	AC005180	0.74714	3.27E-90	positive
ANGPTL1	AC005180	0.67453	1.66E-67	positive
FGFR1	AC005180	0.68783	3.65E-71	positive
LEPR	AC005180	0.5176	1.52E-35	positive
LGR6	AC005180	0.5141	5.20E-35	positive
NR2F1	AC005180	0.5445	7.30E-40	positive
PGR	AC005180	0.69062	5.88E-72	positive
PTGER2	AC005180	0.63504	1.07E-57	positive
RARB	AC005180	0.55365	2.02E-41	positive
SDC3	AC005180	0.57357	5.45E-45	positive
TGFBR2	AC005180	0.53278	6.20E-38	positive
TGFBR3	AC005180	0.68508	2.16E-70	positive
PRKCA	AC005180	0.5054	1.04E-33	positive
LEAP2	AL355488	0.66077	6.42E-64	positive
LMBR1L	AL355488	0.58001	3.40E-46	positive
EED	AL355488	0.57989	3.57E-46	positive
DDX17	AL355488	0.5751	2.83E-45	positive
AGER	AL355488	0.54566	4.66E-40	positive
EPOR	AL355488	0.52616	7.07E-37	positive
RFXANK	AL096828	0.50169	3.63E-33	positive
PSMC5	AC139530	0.54415	8.38E-40	positive
RFXANK	AC139530	0.58051	2.73E-46	positive
IRF3	AC139530	0.54537	5.21E-40	positive
C8G	AC139530	0.51754	1.55E-35	positive
MAP2K2	AC139530	0.57083	1.75E-44	positive
HRAS	AC139530	0.55497	1.19E-41	positive
IL6ST	AC139530	-0.51838	1.15E-35	negative
NR2F6	AC139530	0.5439	9.22E-40	positive
PTPN11	AC139530	-0.5268	5.59E-37	negative
PAK2	AC139530	-0.50487	1.24E-33	negative
FCER1G	AC13820	0.63613	6.00E-58	positive
HLA-DPA	AC13820	0.51571	2.95E-35	positive
HLA-DPB	AC13820	0.56466	2.30E-43	positive
HLA-DRB	AC13820	0.51082	1.62E-34	positive
TGFB1	AC13820	0.55904	2.31E-42	positive
IRF5	AC13820	0.51963	7.41E-36	positive
IL18	AC13820	0.50772	4.71E-34	positive
CD14	AC13820	0.53782	9.39E-39	positive
CD72	AC13820	0.50368	1.85E-33	positive
GMFG	AC13820	0.54843	1.58E-40	positive
C3AR1	AC13820	0.52052	5.38E-36	positive
ENG	AC13820	0.53372	4.38E-38	positive
IL3RA	AC13820	0.54476	6.60E-40	positive
TNFRSF1	AC13820	0.51093	1.56E-34	positive
TYROBP	AC13820	0.6896	1.15E-71	positive
FCGR3A	AC13820	0.54818	1.75E-40	positive
AGER	HMGA1P	0.52013	6.20E-36	positive
UCN	HMGA1P	0.54248	1.59E-39	positive
PSMC5	PRR34-A	0.50493	1.22E-33	positive
PSMD13	PRR34-A	0.50527	1.09E-33	positive
HRAS	PRR34-A	0.55586	8.32E-42	positive
NENF	PRR34-A	0.54154	2.28E-39	positive
NR2F6	PRR34-A	0.51106	1.49E-34	positive
SEM1	TP53TG1	0.69202	2.34E-72	positive

RFXANK	TP53TG1	0.59753	1.29E-49	postive
UBR1	TP53TG1	-0.60086	2.72E-50	negative
NFKB1	TP53TG1	-0.51116	1.44E-34	negative
MAPK1	TP53TG1	-0.51065	1.72E-34	negative
PPIA	TP53TG1	0.55981	1.68E-42	postive
CYLD	TP53TG1	-0.50143	3.96E-33	negative
SP1	TP53TG1	-0.53214	7.86E-38	negative
BECN1	TP53TG1	-0.51437	4.73E-35	negative
JAK1	TP53TG1	-0.52455	1.27E-36	negative
IREB2	TP53TG1	-0.54596	4.16E-40	negative
MAP2K2	TP53TG1	0.55605	7.70E-42	postive
HRAS	TP53TG1	0.55116	5.41E-41	postive
NENF	TP53TG1	0.54979	9.28E-41	postive
NR2C2	TP53TG1	-0.55356	2.08E-41	negative
NR2F6	TP53TG1	0.59233	1.40E-48	postive
PPARA	TP53TG1	-0.50176	3.54E-33	negative
PTPN11	TP53TG1	-0.55377	1.92E-41	negative
SOS2	TP53TG1	-0.5616	8.10E-43	negative
UCN	SNHG6	0.56513	1.89E-43	postive
ACVR2B	AL031985	0.50961	2.47E-34	postive
LEAP2	NEAT1	0.5002	5.96E-33	postive
NFKBIZ	NEAT1	0.51595	2.72E-35	postive
DDX17	NEAT1	0.68845	2.44E-71	postive
RORA	NEAT1	0.5206	5.24E-36	postive
MR1	AC008801	0.51003	2.13E-34	postive
PENK	AC008801	0.53275	6.28E-38	postive
PTGDS	AC008801	0.53049	1.45E-37	postive
S100A6	AC008801	0.52223	2.92E-36	postive
TINAGL1	AC008801	0.61034	2.96E-52	postive
TGFB1	AC008801	0.52224	2.91E-36	postive
A2M	AC008801	0.67034	2.15E-66	postive
RBP1	AC008801	0.55661	6.16E-42	postive
ELN	AC008801	0.56157	8.20E-43	postive
CSRP1	AC008801	0.5255	8.98E-37	postive
KCNH2	AC008801	0.50847	3.64E-34	postive
ILK	AC008801	0.56926	3.38E-44	postive
MASP1	AC008801	0.63034	1.26E-56	postive
PDGFRB	AC008801	0.59091	2.66E-48	postive
ANXA6	AC008801	0.70476	4.09E-76	postive
VIM	AC008801	0.60486	4.10E-51	postive
LTBP1	AC008801	0.54951	1.04E-40	postive
INPP5D	AC008801	0.51934	8.19E-36	postive
PRKCB	AC008801	0.58486	4.01E-47	postive
FGF10	AC008801	0.61676	1.27E-53	postive
EDNRA	AC008801	0.63678	4.24E-58	postive
BMP1	AC008801	0.51845	1.13E-35	postive
BMP4	AC008801	0.74398	4.59E-89	postive
BMP5	AC008801	0.59914	6.07E-50	postive
CSF1	AC008801	0.53251	6.86E-38	postive
CTF1	AC008801	0.56016	1.46E-42	postive
CCN2	AC008801	0.50379	1.79E-33	postive
FLT3LG	AC008801	0.52805	3.55E-37	postive
IL33	AC008801	0.65806	3.10E-63	postive
IL34	AC008801	0.61249	1.04E-52	postive
LTBP3	AC008801	0.50963	2.45E-34	postive
LTBP4	AC008801	0.80045	#####	postive

NDP	AC008801	0.56784	6.14E-44	positive
NRG2	AC008801	0.55105	5.65E-41	positive
OGN	AC008801	0.73245	5.08E-85	positive
PDGFC	AC008801	0.67215	7.14E-67	positive
PGF	AC008801	0.54696	2.81E-40	positive
TSLP	AC008801	0.66586	3.18E-65	positive
ACVRL1	AC008801	0.58828	8.73E-48	positive
ANGPT1	AC008801	0.62599	1.20E-55	positive
ANGPTL1	AC008801	0.59606	2.53E-49	positive
CNTFR	AC008801	0.51151	1.28E-34	positive
FGFR1	AC008801	0.72972	4.30E-84	positive
LEPR	AC008801	0.5002	5.96E-33	positive
LGR6	AC008801	0.57027	2.21E-44	positive
NR2F1	AC008801	0.632	5.32E-57	positive
NRP2	AC008801	0.53026	1.57E-37	positive
PGR	AC008801	0.62096	1.55E-54	positive
PTGER2	AC008801	0.68656	8.33E-71	positive
PTH1R	AC008801	0.64248	1.96E-59	positive
RARB	AC008801	0.55246	3.23E-41	positive
S1PR2	AC008801	0.57938	4.47E-46	positive
SDC3	AC008801	0.6048	4.22E-51	positive
TGFBR2	AC008801	0.58999	4.04E-48	positive
TGFBR3	AC008801	0.64227	2.19E-59	positive
PSMC5	AP004609	0.53931	5.33E-39	positive
PSMD13	AP004609	0.53046	1.47E-37	positive
RFXANK	AP004609	0.64606	2.74E-60	positive
UBXN1	AP004609	0.53767	9.92E-39	positive
MAP2K2	AP004609	0.56813	5.43E-44	positive
HRAS	AP004609	0.60773	1.04E-51	positive
MYDGF	AP004609	0.52728	4.71E-37	positive
NENF	AP004609	0.60877	6.32E-52	positive
UCN	AP004609	0.54012	3.93E-39	positive
NR2F6	AP004609	0.53244	7.05E-38	positive
PTPN11	AP004609	-0.51406	5.26E-35	negative
SEMA3E	AC017074	0.51268	8.50E-35	positive
MAPK14	AL049840	0.53605	1.83E-38	positive
TRAF3	AL049840	0.56067	1.19E-42	positive
DDX17	AL049840	0.6029	1.04E-50	positive
NR2C2	AL049840	0.63478	1.23E-57	positive
SOS1	AL049840	0.50751	5.06E-34	positive
SOS2	AL049840	0.50568	9.45E-34	positive
APLN	LINC0153	0.81215	#####	positive
TNFRSF1	LINC0153	0.84375	#####	positive
TACR1	LINC0153	0.82762	#####	positive
CGA	AC004941	0.52257	2.59E-36	positive
CREB1	RAB11B-	-0.63407	1.78E-57	negative
PSMC3	RAB11B-	0.55221	3.56E-41	positive
PSMC5	RAB11B-	0.60675	1.67E-51	positive
PSMD4	RAB11B-	0.5201	6.26E-36	positive
PSMD13	RAB11B-	0.55201	3.87E-41	positive
AP3B1	RAB11B-	-0.55571	8.85E-42	negative
RFXANK	RAB11B-	0.6762	5.90E-68	positive
ADRM1	RAB11B-	0.5045	1.41E-33	positive
UBXN1	RAB11B-	0.53999	4.11E-39	positive
UBR1	RAB11B-	-0.58517	3.50E-47	negative
MAPK1	RAB11B-	-0.59431	5.66E-49	negative

MAPK14	RAB11B-	-0.59645	2.12E-49	negative
EIF2AK2	RAB11B-	-0.53912	5.74E-39	negative
MAPK8	RAB11B-	-0.50104	4.51E-33	negative
AHNAK	RAB11B-	-0.51566	3.01E-35	negative
LMBR1	RAB11B-	-0.5601	1.50E-42	negative
SP1	RAB11B-	-0.5656	1.56E-43	negative
JAK1	RAB11B-	-0.56229	6.11E-43	negative
IREB2	RAB11B-	-0.57203	1.05E-44	negative
SYTL1	RAB11B-	0.63366	2.22E-57	postive
SEPTIN7	RAB11B-	-0.52575	8.19E-37	negative
MAP2K2	RAB11B-	0.71736	4.90E-80	postive
LANCL1	RAB11B-	-0.53265	6.51E-38	negative
PPP4C	RAB11B-	0.53787	9.22E-39	postive
MIF	RAB11B-	0.53181	8.89E-38	postive
PTK2	RAB11B-	-0.51371	5.96E-35	negative
HRAS	RAB11B-	0.68695	6.45E-71	postive
NFKBIB	RAB11B-	0.5145	4.51E-35	postive
PIK3R1	RAB11B-	-0.52473	1.19E-36	negative
PIK3CA	RAB11B-	-0.54602	4.06E-40	negative
GSK3B	RAB11B-	-0.56254	5.51E-43	negative
MYDGF	RAB11B-	0.67599	6.71E-68	postive
CD320	RAB11B-	0.59239	1.36E-48	postive
IL6ST	RAB11B-	-0.50289	2.42E-33	negative
NENF	RAB11B-	0.60469	4.45E-51	postive
RABEP2	RAB11B-	0.65042	2.42E-61	postive
BMPR2	RAB11B-	-0.58211	1.35E-46	negative
CRIM1	RAB11B-	-0.53556	2.20E-38	negative
IGF2R	RAB11B-	-0.55086	6.09E-41	negative
NR2C2	RAB11B-	-0.55901	2.33E-42	negative
NR2F6	RAB11B-	0.64563	3.47E-60	postive
PPARA	RAB11B-	-0.55616	7.36E-42	negative
PTPN11	RAB11B-	-0.65016	2.79E-61	negative
SOS1	RAB11B-	-0.55336	2.26E-41	negative
SOS2	RAB11B-	-0.62855	3.21E-56	negative
PAK2	RAB11B-	-0.52746	4.41E-37	negative
CBLB	RAB11B-	-0.5021	3.16E-33	negative
IL7R	AL137779	0.50162	3.71E-33	postive
NFAT5	AL137779	0.65424	2.77E-62	postive
RORA	AL137779	0.66544	4.08E-65	postive
PRKCA	AL137779	0.52172	3.50E-36	postive
DDX17	AC060780	0.56916	3.53E-44	postive
BRD8	AC060780	0.51528	3.43E-35	postive
NR2C2	AC060780	0.57781	8.82E-46	postive
IFNLR1	ERVE-1	0.50684	6.37E-34	postive
RFXANK	AC135170	0.67976	6.37E-69	postive
UBXN1	AC135170	0.57872	5.95E-46	postive
MAP2K2	AC135170	0.54886	1.34E-40	postive
HRAS	AC135170	0.50273	2.56E-33	postive
CD320	AC135170	0.55719	4.88E-42	postive
UCN	AC135170	0.51567	3.00E-35	postive
NR2F6	AC135170	0.52472	1.19E-36	postive
CREB1	AP002360	-0.52877	2.73E-37	negative
PSMC3	AP002360	0.54107	2.73E-39	postive
PSMC5	AP002360	0.56849	4.67E-44	postive
PSMD4	AP002360	0.59281	1.13E-48	postive
PSMD13	AP002360	0.55454	1.41E-41	postive

SEM1	AP00236C	0.54486	6.35E-40	postive
AP3B1	AP00236C	-0.57632	1.67E-45	negative
RFXANK	AP00236C	0.75012	2.61E-91	postive
UBXN1	AP00236C	0.62419	3.02E-55	postive
UBR1	AP00236C	-0.62012	2.37E-54	negative
S100A13	AP00236C	0.52429	1.39E-36	postive
IRF3	AP00236C	0.51397	5.43E-35	postive
MAPK1	AP00236C	-0.60323	8.90E-51	negative
STAT3	AP00236C	-0.55253	3.14E-41	negative
PPIA	AP00236C	0.53625	1.70E-38	postive
ITGAV	AP00236C	-0.5014	4.00E-33	negative
SP1	AP00236C	-0.53118	1.12E-37	negative
BECN1	AP00236C	-0.52417	1.45E-36	negative
JAK1	AP00236C	-0.57725	1.12E-45	negative
IREB2	AP00236C	-0.57611	1.84E-45	negative
MAP2K2	AP00236C	0.61296	8.24E-53	postive
LANCL1	AP00236C	-0.53404	3.89E-38	negative
PPP4C	AP00236C	0.55983	1.67E-42	postive
TBK1	AP00236C	-0.51232	9.64E-35	negative
HRAS	AP00236C	0.66413	8.86E-65	postive
CHUK	AP00236C	-0.50093	4.68E-33	negative
CD320	AP00236C	0.50398	1.68E-33	postive
IL6ST	AP00236C	-0.54172	2.13E-39	negative
NENF	AP00236C	0.58607	2.35E-47	postive
NMB	AP00236C	0.50819	4.00E-34	postive
UCN	AP00236C	0.62401	3.31E-55	postive
BMPR2	AP00236C	-0.54678	3.01E-40	negative
IGF2R	AP00236C	-0.58825	8.87E-48	negative
NR2F6	AP00236C	0.63888	1.38E-58	postive
PPARA	AP00236C	-0.50843	3.69E-34	negative
PTPN11	AP00236C	-0.61358	6.09E-53	negative
SOS1	AP00236C	-0.5128	8.16E-35	negative
SOS2	AP00236C	-0.55674	5.85E-42	negative
CREB1	HCG18	0.54894	1.30E-40	postive
UBR1	HCG18	0.52149	3.81E-36	postive
ZC3HAV1HCG18		0.60456	4.73E-51	postive
ZC3HAV1HCG18		0.72313	6.68E-82	postive
CYLD	HCG18	0.5159	2.77E-35	postive
EIF2AK2	HCG18	0.6172	1.02E-53	postive
MAPK8	HCG18	0.55066	6.59E-41	postive
SP1	HCG18	0.6556	1.28E-62	postive
DDX17	HCG18	0.68318	7.28E-70	postive
NFAT5	HCG18	0.81267	#####	postive
NFATC3	HCG18	0.66995	2.72E-66	postive
AKT3	HCG18	0.60732	1.27E-51	postive
ACVR2B	HCG18	0.62705	6.97E-56	postive
BMPR2	HCG18	0.51262	8.70E-35	postive
CRLF3	HCG18	0.61372	5.68E-53	postive
NR2C2	HCG18	0.73856	3.87E-87	postive
PPARA	HCG18	0.53907	5.85E-39	postive
RORA	HCG18	0.79912	#####	postive
SOS1	HCG18	0.71148	3.53E-78	postive
PRKCA	HCG18	0.5194	8.04E-36	postive
TEC	HCG18	0.61123	1.92E-52	postive
CBL	HCG18	0.72178	1.84E-81	postive
CBLB	HCG18	0.54124	2.55E-39	postive

LEAP2	AC09217	0.56209	6.64E-43	postive
LCN12	AC09217	0.57775	9.06E-46	postive
C8G	AC09217	0.53028	1.57E-37	postive
UCN	AC09217	0.59171	1.86E-48	postive
SLC22A1	LINC0192	0.56563	1.54E-43	postive
CCK	LINC0192	0.55414	1.66E-41	postive
IL6ST	PCAT6	-0.50372	1.83E-33	negative
AGER	LINC0148	0.51037	1.90E-34	postive
LEAP2	AC13988	0.63289	3.33E-57	postive
DDX17	AC13988	0.60529	3.35E-51	postive
NFAT5	AC13988	0.6033	8.60E-51	postive
NR2C2	AC13988	0.52108	4.41E-36	postive
RORA	AC13988	0.68257	1.08E-69	postive
CBL	AC13988	0.53168	9.32E-38	postive
LEAP2	AC10370	0.54655	3.29E-40	postive
LTB4R	AC10370	0.52058	5.27E-36	postive
AGER	AC10370	0.5121	1.04E-34	postive
CANX	EBLN3P	0.5837	6.72E-47	postive
CREB1	EBLN3P	0.66438	7.65E-65	postive
NFYA	EBLN3P	0.58707	1.50E-47	postive
PSMC3	EBLN3P	-0.62586	1.29E-55	negative
PSMC5	EBLN3P	-0.55449	1.44E-41	negative
PSMD4	EBLN3P	-0.50514	1.13E-33	negative
PSMD5	EBLN3P	0.53456	3.20E-38	postive
AP3B1	EBLN3P	0.53065	1.37E-37	postive
RFXANK	EBLN3P	-0.5651	1.92E-43	negative
ECPAS	EBLN3P	0.60936	4.76E-52	postive
UBXN1	EBLN3P	-0.58948	5.10E-48	negative
UBR1	EBLN3P	0.60355	7.67E-51	postive
S100A13	EBLN3P	-0.56188	7.23E-43	negative
S100A6	EBLN3P	-0.50936	2.68E-34	negative
MAPK1	EBLN3P	0.64853	6.96E-61	postive
CD81	EBLN3P	-0.58262	1.08E-46	negative
EIF2AK2	EBLN3P	0.58837	8.39E-48	postive
MAPK8	EBLN3P	0.55103	5.70E-41	postive
ADAR	EBLN3P	0.50792	4.39E-34	postive
LMBR1	EBLN3P	0.58161	1.68E-46	postive
SP1	EBLN3P	0.60437	5.19E-51	postive
ECD	EBLN3P	0.54458	7.08E-40	postive
DCK	EBLN3P	0.57739	1.06E-45	postive
IREB2	EBLN3P	0.61996	2.57E-54	postive
MAP2K2	EBLN3P	-0.57271	7.85E-45	negative
LANCL1	EBLN3P	0.63427	1.61E-57	postive
TANK	EBLN3P	0.51137	1.34E-34	postive
TBK1	EBLN3P	0.62458	2.47E-55	postive
PTK2	EBLN3P	0.5422	1.77E-39	postive
HRAS	EBLN3P	-0.54792	1.94E-40	negative
KRAS	EBLN3P	0.58125	1.98E-46	postive
CHUK	EBLN3P	0.59176	1.82E-48	postive
PIK3CA	EBLN3P	0.52943	2.14E-37	postive
GSK3B	EBLN3P	0.62762	5.20E-56	postive
CD320	EBLN3P	-0.53346	4.82E-38	negative
CMTM6	EBLN3P	0.55477	1.29E-41	postive
GMFB	EBLN3P	0.6099	3.66E-52	postive
IL17B	EBLN3P	-0.50732	5.40E-34	negative
NENF	EBLN3P	-0.54899	1.27E-40	negative

NMB	EBLN3P	-0.5209	4.71E-36	negative
BMPR2	EBLN3P	0.57463	3.46E-45	postive
NR2C2	EBLN3P	0.64819	8.42E-61	postive
NR2F6	EBLN3P	-0.50972	2.37E-34	negative
PPARA	EBLN3P	0.50167	3.65E-33	postive
PTPN11	EBLN3P	0.57991	3.54E-46	postive
SOS1	EBLN3P	0.53818	8.18E-39	postive
SOS2	EBLN3P	0.61014	3.27E-52	postive
NCK1	EBLN3P	0.50033	5.72E-33	postive
PAK2	EBLN3P	0.63138	7.37E-57	postive
CBLB	EBLN3P	0.55922	2.15E-42	postive
GMFB	AC11222I	0.51503	3.76E-35	postive
ACVR2B	ACVR2B-	0.51367	6.03E-35	postive
HDAC1	AC09087	0.52317	2.09E-36	postive
CBLC	AC09087	0.53244	7.04E-38	postive
LEAP2	ARHGAP	0.5425	1.58E-39	postive
LMBR1L	ARHGAP	0.58842	8.19E-48	postive
TYK2	ARHGAP	0.51265	8.60E-35	postive
LTB4R	ARHGAP	0.5257	8.36E-37	postive
IRF9	ARHGAP	0.51854	1.09E-35	postive
AGER	ARHGAP	0.59652	2.05E-49	postive
MC1R	ARHGAP	0.57796	8.28E-46	postive
SEM1	ATP2A1-/-	0.51554	3.14E-35	postive
AP3B1	ATP2A1-/-	-0.54424	8.07E-40	negative
IREB2	ATP2A1-/-	-0.51164	1.22E-34	negative
MAP2K2	ATP2A1-/-	0.50054	5.33E-33	postive
HRAS	ATP2A1-/-	0.52417	1.46E-36	postive
UCN	ATP2A1-/-	0.51199	1.08E-34	postive
IGF2R	ATP2A1-/-	-0.52363	1.77E-36	negative
NR2F6	ATP2A1-/-	0.53692	1.32E-38	postive
SOS2	ATP2A1-/-	-0.5048	1.27E-33	negative
EIF2AK2	AC00734I	0.50308	2.27E-33	postive
IREB2	AC00734I	0.51342	6.59E-35	postive
ZC3HAV1AC12431I		0.6189	4.37E-54	postive
ZC3HAV1AC12431I		0.63608	6.17E-58	postive
EIF2AK2	AC12431I	0.52982	1.86E-37	postive
TCF7L2	AC12431I	0.52412	1.48E-36	postive
SP1	AC12431I	0.54674	3.06E-40	postive
IL7R	AC12431I	0.67797	1.96E-68	postive
DDX17	AC12431I	0.53718	1.19E-38	postive
SERPINA	AC12431I	0.52163	3.63E-36	postive
NFAT5	AC12431I	0.85337	#####	postive
NFATC3	AC12431I	0.68633	9.64E-71	postive
AKT3	AC12431I	0.51852	1.10E-35	postive
SLIT2	AC12431I	0.52226	2.89E-36	postive
PLXNC1	AC12431I	0.52482	1.15E-36	postive
NR2C2	AC12431I	0.54592	4.21E-40	postive
RORA	AC12431I	0.8206	#####	postive
LCP2	AC12431I	0.52596	7.61E-37	postive
SOS1	AC12431I	0.71225	2.03E-78	postive
PRKCA	AC12431I	0.5609	1.08E-42	postive
CBL	AC12431I	0.66757	1.15E-65	postive
S100A6	AC12677I	0.61902	4.10E-54	postive
S100A3	AC12677I	0.54716	2.60E-40	postive
S100A16	AC12677I	0.5342	3.66E-38	postive
TINAGL1	AC12677I	0.59708	1.59E-49	postive

TGFB1	AC12677:	0.57243	8.87E-45	postive
RBP1	AC12677:	0.53893	6.16E-39	postive
ZYX	AC12677:	0.66838	7.02E-66	postive
TPM2	AC12677:	0.50774	4.68E-34	postive
STING1	AC12677:	0.57418	4.21E-45	postive
DES	AC12677:	0.53975	4.52E-39	postive
ANXA6	AC12677:	0.63139	7.34E-57	postive
VIM	AC12677:	0.53968	4.63E-39	postive
GBP2	AC12677:	0.52604	7.39E-37	postive
CCL21	AC12677:	0.55644	6.59E-42	postive
NFATC4	AC12677:	0.55947	1.94E-42	postive
SEMA3B	AC12677:	0.5195	7.76E-36	postive
BMP1	AC12677:	0.55558	9.29E-42	postive
CSF1	AC12677:	0.52903	2.48E-37	postive
CTF1	AC12677:	0.54031	3.65E-39	postive
FLT3LG	AC12677:	0.59392	6.79E-49	postive
IL17B	AC12677:	0.56376	3.34E-43	postive
IL34	AC12677:	0.63517	1.00E-57	postive
LTBP3	AC12677:	0.51665	2.13E-35	postive
NDP	AC12677:	0.50413	1.59E-33	postive
NRTN	AC12677:	0.61578	2.06E-53	postive
TNFSF12	AC12677:	0.52055	5.33E-36	postive
IL3RA	AC12677:	0.54154	2.28E-39	postive
NRP2	AC12677:	0.50695	6.12E-34	postive
PTH1R	AC12677:	0.57838	6.88E-46	postive
RARA	AC12677:	0.53686	1.35E-38	postive
SDC3	AC12677:	0.52807	3.52E-37	postive
APOH	AC01062:	0.58844	8.13E-48	postive
LEAP2	AC02216:	0.55117	5.39E-41	postive
IL6ST	SNHG30	-0.50611	8.15E-34	negative
IGF2R	SNHG30	-0.50858	3.51E-34	negative
LCN12	AC13293:	0.54164	2.20E-39	postive
AGER	AC13293:	0.53967	4.66E-39	postive
UCN	AC13293:	0.6184	5.61E-54	postive
MC1R	AC13293:	0.62553	1.52E-55	postive
LEAP2	AC08401:	0.64001	7.49E-59	postive
LMBR1L	AC08401:	0.52511	1.03E-36	postive
TYK2	AC08401:	0.59576	2.92E-49	postive
BRD8	AC08401:	0.50255	2.71E-33	postive
PTGDS	LINC0108	0.68753	4.45E-71	postive
S100A6	LINC0108	0.70451	4.88E-76	postive
A2M	LINC0108	0.5886	7.57E-48	postive
RBP1	LINC0108	0.75667	8.89E-94	postive
CSRP1	LINC0108	0.51011	2.08E-34	postive
TPM2	LINC0108	0.54176	2.10E-39	postive
DES	LINC0108	0.56294	4.68E-43	postive
ANXA6	LINC0108	0.61445	3.98E-53	postive
NFATC4	LINC0108	0.50169	3.63E-33	postive
BMP5	LINC0108	0.61973	2.89E-54	postive
CTF1	LINC0108	0.54169	2.16E-39	postive
FLT3LG	LINC0108	0.53456	3.19E-38	postive
GDF7	LINC0108	0.60507	3.73E-51	postive
IL34	LINC0108	0.50952	2.54E-34	postive
LTBP4	LINC0108	0.60791	9.55E-52	postive
NRG2	LINC0108	0.50701	6.00E-34	postive
PGF	LINC0108	0.8348	#####	postive

TNFSF12	LINC0108	0.56958	2.96E-44	postive
TSLP	LINC0108	0.77306	#####	postive
CNTFR	LINC0108	0.74113	4.77E-88	postive
FGFR1	LINC0108	0.5361	1.79E-38	postive
FGFR4	LINC0108	0.56837	4.91E-44	postive
LGR6	LINC0108	0.672	7.84E-67	postive
PTGER2	LINC0108	0.55558	9.30E-42	postive
PTH1R	LINC0108	0.77087	2.10E-99	postive
S1PR2	LINC0108	0.65051	2.29E-61	postive
NCK1	AC09236	0.57126	1.45E-44	postive
STAT3	AC02203	0.50425	1.53E-33	postive
MAVS	AL160006	0.51027	1.96E-34	postive
AP3B1	SNHG10	-0.5154	3.29E-35	negative
LCN12	SNHG10	0.56195	7.03E-43	postive
LMBR1L	SNHG10	0.50257	2.70E-33	postive
IRF3	SNHG10	0.51687	1.97E-35	postive
C8G	SNHG10	0.54497	6.08E-40	postive
AGER	SNHG10	0.51979	6.99E-36	postive
IL6ST	SNHG10	-0.53246	6.99E-38	negative
UCN	SNHG10	0.5409	2.91E-39	postive
NR2F6	SNHG10	0.50275	2.54E-33	postive
LEAP2	LINC0010	0.52889	2.61E-37	postive
LCN12	LINC0010	0.54457	7.10E-40	postive
LMBR1L	LINC0010	0.5065	7.14E-34	postive
TYK2	LINC0010	0.57457	3.56E-45	postive
DDX17	LINC0010	0.52388	1.61E-36	postive
LEAP2	AL136531	0.5336	4.58E-38	postive
DDX17	AL136531	0.54837	1.62E-40	postive
RORA	AL136531	0.57441	3.81E-45	postive
PSMC5	AC00891	0.5428	1.40E-39	postive
PSMD13	AC00891	0.57632	1.68E-45	postive
RFXANK	AC00891	0.52413	1.47E-36	postive
PPP4C	AC00891	0.54868	1.44E-40	postive
MYDGF	AC00891	0.53345	4.83E-38	postive
NR2F6	AC00891	0.50795	4.36E-34	postive
SHC2	AC00891	0.5102	2.01E-34	postive
LEAP2	RAD51-A	0.61245	1.06E-52	postive
LMBR1L	RAD51-A	0.55008	8.30E-41	postive
TYK2	RAD51-A	0.50429	1.51E-33	postive
DDX17	RAD51-A	0.53691	1.32E-38	postive
AGER	RAD51-A	0.53931	5.35E-39	postive
MC1R	RAD51-A	0.53593	1.91E-38	postive
LEAP2	AC07411	0.5507	6.50E-41	postive
SH2D1A	ZNF350-A	0.5255	8.99E-37	postive
LEAP2	LINC0100	0.67519	1.11E-67	postive
AGER	LINC0100	0.5259	7.76E-37	postive
PSMC5	AC08774	0.53933	5.29E-39	postive
PSMD4	AC08774	0.50912	2.92E-34	postive
PSMD13	AC08774	0.53295	5.83E-38	postive
RFXANK	AC08774	0.55204	3.81E-41	postive
UBXN1	AC08774	0.54181	2.06E-39	postive
UBR1	AC08774	-0.50667	6.74E-34	negative
JAK1	AC08774	-0.50468	1.32E-33	negative
MAP2K2	AC08774	0.53242	7.10E-38	postive
HRAS	AC08774	0.64035	6.22E-59	postive
NENF	AC08774	0.52214	3.02E-36	postive

UCN	AC08774	0.54836	1.63E-40	postive
NR2F6	AC08774	0.53428	3.55E-38	postive
PTPN11	AC08774	-0.5333	5.11E-38	negative
IGF1R	IRAIN	0.55689	5.50E-42	postive
ZC3HAV1	LINC0047	0.51038	1.89E-34	postive
DDX17	LINC0047	0.51442	4.65E-35	postive
NFAT5	LINC0047	0.72754	2.32E-83	postive
NFATC3	LINC0047	0.59167	1.89E-48	postive
RORA	LINC0047	0.71013	9.24E-78	postive
SOS1	LINC0047	0.53966	4.67E-39	postive
CBL	LINC0047	0.57129	1.44E-44	postive
CREB1	AL451085	-0.50794	4.37E-34	negative
PSMC3	AL451085	0.56675	9.69E-44	postive
PSMC5	AL451085	0.62315	5.12E-55	postive
PSMD4	AL451085	0.61932	3.54E-54	postive
PSMD13	AL451085	0.57884	5.65E-46	postive
RFXANK	AL451085	0.57351	5.58E-45	postive
ADRM1	AL451085	0.53005	1.70E-37	postive
UBXN1	AL451085	0.59425	5.82E-49	postive
UBR1	AL451085	-0.52906	2.45E-37	negative
MAPK1	AL451085	-0.54827	1.69E-40	negative
SP1	AL451085	-0.51774	1.45E-35	negative
JAK1	AL451085	-0.51836	1.16E-35	negative
IREB2	AL451085	-0.50225	3.01E-33	negative
MAP2K2	AL451085	0.62787	4.56E-56	postive
PPP4C	AL451085	0.5697	2.81E-44	postive
MIF	AL451085	0.53816	8.26E-39	postive
HRAS	AL451085	0.62002	2.49E-54	postive
PIK3CA	AL451085	-0.50248	2.78E-33	negative
MYDGF	AL451085	0.52383	1.64E-36	postive
IL6ST	AL451085	-0.54116	2.64E-39	negative
NENF	AL451085	0.51719	1.75E-35	postive
VEGFB	AL451085	0.52598	7.54E-37	postive
NR2F6	AL451085	0.60013	3.83E-50	postive
OGFR	AL451085	0.51746	1.60E-35	postive
TNFRSF1A	AL451085	0.50004	6.30E-33	postive
PTPN11	AL451085	-0.56894	3.87E-44	negative
SHC2	AL451085	0.55031	7.56E-41	postive
CANX	LIPE-AS1	-0.50175	3.56E-33	negative
CREB1	LIPE-AS1	-0.55361	2.05E-41	negative
NFYA	LIPE-AS1	-0.50211	3.15E-33	negative
PSMC3	LIPE-AS1	0.64467	5.89E-60	postive
PSMC5	LIPE-AS1	0.70706	8.15E-77	postive
PSMD4	LIPE-AS1	0.59049	3.23E-48	postive
PSMD10	LIPE-AS1	-0.5008	4.89E-33	negative
PSMD13	LIPE-AS1	0.56385	3.22E-43	postive
PSME2	LIPE-AS1	0.54331	1.15E-39	postive
SEM1	LIPE-AS1	0.50168	3.64E-33	postive
AP3B1	LIPE-AS1	-0.52326	2.02E-36	negative
RFXANK	LIPE-AS1	0.78199	#####	postive
UBXN1	LIPE-AS1	0.69907	2.06E-74	postive
UBR1	LIPE-AS1	-0.52043	5.56E-36	negative
SFTPД	LIPE-AS1	0.51533	3.38E-35	postive
S100A13	LIPE-AS1	0.7213	2.63E-81	postive
IRF3	LIPE-AS1	0.61188	1.40E-52	postive
MAPK1	LIPE-AS1	-0.58492	3.92E-47	negative

MAPK14	LIPE-AS1	-0.52876	2.74E-37	negative
LMBR1	LIPE-AS1	-0.54168	2.16E-39	negative
SP1	LIPE-AS1	-0.50888	3.17E-34	negative
ECD	LIPE-AS1	-0.52039	5.65E-36	negative
DCK	LIPE-AS1	-0.50624	7.81E-34	negative
BECN1	LIPE-AS1	-0.52051	5.40E-36	negative
IREB2	LIPE-AS1	-0.54102	2.78E-39	negative
SYTL1	LIPE-AS1	0.60065	3.00E-50	postive
MAP2K2	LIPE-AS1	0.72482	1.85E-82	postive
LANCL1	LIPE-AS1	-0.54067	3.18E-39	negative
PPP4C	LIPE-AS1	0.52953	2.06E-37	postive
TBK1	LIPE-AS1	-0.53244	7.05E-38	negative
PTK2	LIPE-AS1	-0.53031	1.55E-37	negative
HRAS	LIPE-AS1	0.7227	9.20E-82	postive
GSK3B	LIPE-AS1	-0.55837	3.02E-42	negative
MYDGF	LIPE-AS1	0.59144	2.10E-48	postive
CD320	LIPE-AS1	0.64785	1.02E-60	postive
CLEC11A	LIPE-AS1	0.55493	1.21E-41	postive
CMTM6	LIPE-AS1	-0.51918	8.68E-36	negative
GMFB	LIPE-AS1	-0.51814	1.25E-35	negative
NENF	LIPE-AS1	0.65835	2.62E-63	postive
NMB	LIPE-AS1	0.56746	7.18E-44	postive
RABEP2	LIPE-AS1	0.53198	8.34E-38	postive
IGF2R	LIPE-AS1	-0.52586	7.87E-37	negative
NR2C2	LIPE-AS1	-0.52028	5.87E-36	negative
NR2F6	LIPE-AS1	0.60999	3.50E-52	postive
PTPN11	LIPE-AS1	-0.60653	1.85E-51	negative
SOS2	LIPE-AS1	-0.56124	9.42E-43	negative
PAK2	LIPE-AS1	-0.51783	1.40E-35	negative
PSMC5	AL121601	0.51988	6.76E-36	postive
PSMD13	AL121601	0.52605	7.35E-37	postive
SEM1	AL121601	0.50127	4.17E-33	postive
AP3B1	AL121601	-0.54053	3.36E-39	negative
RFXANK	AL121601	0.55594	8.04E-42	postive
UBR1	AL121601	-0.51446	4.58E-35	negative
LCN12	AL121601	0.53479	2.93E-38	postive
MAPK1	AL121601	-0.54856	1.50E-40	negative
BECN1	AL121601	-0.53687	1.34E-38	negative
JAK1	AL121601	-0.55285	2.77E-41	negative
IREB2	AL121601	-0.50387	1.74E-33	negative
MAP2K2	AL121601	0.50118	4.30E-33	postive
LANCL1	AL121601	-0.50831	3.85E-34	negative
AGER	AL121601	0.5298	1.87E-37	postive
HRAS	AL121601	0.61034	2.96E-52	postive
NENF	AL121601	0.50734	5.36E-34	postive
UCN	AL121601	0.53282	6.12E-38	postive
IGF2R	AL121601	-0.5353	2.43E-38	negative
NR2F6	AL121601	0.53954	4.90E-39	postive
PTPN11	AL121601	-0.53435	3.46E-38	negative
SEMA3C	LINC0135	0.54999	8.57E-41	postive
SEMA3F	LINC0135	0.52381	1.66E-36	postive
APOH	LBX2-AS	0.5757	2.19E-45	postive
LEAP2	PSMA3-A	0.6291	2.41E-56	postive
LMBR1L	PSMA3-A	0.62652	9.18E-56	postive
EED	PSMA3-A	0.60646	1.92E-51	postive
DDX17	PSMA3-A	0.70724	7.16E-77	postive

AGER	PSMA3-A	0.56394	3.10E-43	postive
NR2C1	PSMA3-A	0.5894	5.29E-48	postive
SH3BP2	PSMA3-A	0.5125	9.07E-35	postive
LEAP2	LINC0065	0.50857	3.52E-34	postive
LMBR1L	LINC0065	0.50042	5.55E-33	postive
MAPK1	AL078581	0.50414	1.59E-33	postive
IREB2	AL078581	0.52807	3.52E-37	postive
IGF2R	AL078581	0.54415	8.37E-40	postive
DDX17	MIR4453f	0.51427	4.90E-35	postive
NR2C2	MIR4453f	0.50838	3.75E-34	postive
IL7R	AC09061	0.56141	8.78E-43	postive
SERPINA	AC09061	0.50545	1.02E-33	postive
NFAT5	AC09061	0.63451	1.41E-57	postive
RORA	AC09061	0.66834	7.19E-66	postive
PRKCA	AC09061	0.53517	2.55E-38	postive
CREB1	AC13869f	-0.50922	2.82E-34	negative
PSMC3	AC13869f	0.50926	2.78E-34	postive
PSMD4	AC13869f	0.55832	3.09E-42	postive
SEM1	AC13869f	0.59005	3.94E-48	postive
AP3B1	AC13869f	-0.53518	2.53E-38	negative
RFXANK	AC13869f	0.67248	5.84E-67	postive
UBR1	AC13869f	-0.54862	1.47E-40	negative
MAPK1	AC13869f	-0.50921	2.82E-34	negative
BECN1	AC13869f	-0.51973	7.15E-36	negative
IREB2	AC13869f	-0.53377	4.29E-38	negative
MAP2K2	AC13869f	0.68081	3.29E-69	postive
PPP4C	AC13869f	0.54384	9.42E-40	postive
HRAS	AC13869f	0.63683	4.12E-58	postive
MYDGF	AC13869f	0.50745	5.16E-34	postive
NENF	AC13869f	0.50897	3.07E-34	postive
RABEP2	AC13869f	0.52056	5.30E-36	postive
UCN	AC13869f	0.54991	8.85E-41	postive
BMPR2	AC13869f	-0.51877	1.01E-35	negative
NR2F6	AC13869f	0.63347	2.46E-57	postive
PTPN11	AC13869f	-0.52077	4.93E-36	negative
SOS2	AC13869f	-0.55368	1.99E-41	negative
DEFB1	AL121820	0.57485	3.15E-45	postive
S100A13	AL121820	0.5173	1.69E-35	postive
S100A6	AL121820	0.52432	1.38E-36	postive
S100A2	AL121820	0.5519	4.04E-41	postive
S100A14	AL121820	0.61651	1.43E-53	postive
S100A16	AL121820	0.53035	1.52E-37	postive
WFDC2	AL121820	0.5762	1.77E-45	postive
IRF3	AL121820	0.52567	8.43E-37	postive
NTF4	AL121820	0.60188	1.68E-50	postive
NFAT5	AC00500f	0.52036	5.70E-36	postive
RORA	AC00500f	0.58821	9.02E-48	postive
LCN12	AL513320	0.65193	1.03E-61	postive
C8G	AL513320	0.50399	1.67E-33	postive
LTB4R	AL513320	0.50394	1.70E-33	postive
AGER	AL513320	0.61314	7.54E-53	postive
UCN	AL513320	0.59623	2.34E-49	postive
EPOR	AL513320	0.5527	2.94E-41	postive
LEAP2	Z98884.2	0.53441	3.37E-38	postive
DDX17	Z98884.2	0.65027	2.62E-61	postive
NFAT5	Z98884.2	0.55117	5.40E-41	postive

NR2C2	Z98884.2	0.53028	1.57E-37	postive
RORA	Z98884.2	0.58043	2.82E-46	postive
CD1D	HLA-DQB	0.55504	1.16E-41	postive
CD4	HLA-DQB	0.56468	2.28E-43	postive
CD74	HLA-DQB	0.52431	1.38E-36	postive
CTSS	HLA-DQB	0.51098	1.54E-34	postive
FCER1G	HLA-DQB	0.54607	3.98E-40	postive
HLA-DOA	HLA-DQB	0.50539	1.04E-33	postive
HLA-DOB	HLA-DQB	0.51427	4.90E-35	postive
HLA-DPB	HLA-DQB	0.5236	1.79E-36	postive
HLA-DQA	HLA-DQB	0.54023	3.76E-39	postive
HLA-DQB	HLA-DQB	0.63194	5.48E-57	postive
HLA-DRB	HLA-DQB	0.54521	5.55E-40	postive
HLA-DRB	HLA-DQB	0.51139	1.33E-34	postive
CIITA	HLA-DQB	0.68843	2.47E-71	postive
APOBEC:	HLA-DQB	0.53307	5.57E-38	postive
TLR2	HLA-DQB	0.55947	1.94E-42	postive
CYBB	HLA-DQB	0.5244	1.34E-36	postive
TNFAIP3	HLA-DQB	0.52132	4.04E-36	postive
NOD1	HLA-DQB	0.50141	3.99E-33	postive
TLR1	HLA-DQB	0.55705	5.15E-42	postive
NFKBIZ	HLA-DQB	0.51552	3.16E-35	postive
CCL4	HLA-DQB	0.50091	4.72E-33	postive
IL18	HLA-DQB	0.56408	2.93E-43	postive
IL7R	HLA-DQB	0.54762	2.17E-40	postive
TRIM22	HLA-DQB	0.6124	1.09E-52	postive
GBP2	HLA-DQB	0.58147	1.79E-46	postive
CCL22	HLA-DQB	0.55584	8.39E-42	postive
CCR7	HLA-DQB	0.54192	1.97E-39	postive
CCR5	HLA-DQB	0.5833	8.03E-47	postive
CCR1	HLA-DQB	0.53066	1.36E-37	postive
CXCR4	HLA-DQB	0.60278	1.10E-50	postive
CXCR6	HLA-DQB	0.63182	5.83E-57	postive
CD86	HLA-DQB	0.61434	4.20E-53	postive
HCK	HLA-DQB	0.52265	2.51E-36	postive
BTK	HLA-DQB	0.57694	1.29E-45	postive
VAV1	HLA-DQB	0.52977	1.88E-37	postive
RAC2	HLA-DQB	0.51002	2.14E-34	postive
CARD11	HLA-DQB	0.5178	1.42E-35	postive
PIK3R5	HLA-DQB	0.53215	7.84E-38	postive
PIK3CD	HLA-DQB	0.60686	1.58E-51	postive
INPP5D	HLA-DQB	0.60815	8.53E-52	postive
CD72	HLA-DQB	0.52477	1.17E-36	postive
PLCG2	HLA-DQB	0.51703	1.86E-35	postive
PRKCB	HLA-DQB	0.52514	1.02E-36	postive
TYMP	HLA-DQB	0.50969	2.40E-34	postive
PLXNC1	HLA-DQB	0.6078	1.01E-51	postive
PTAFR	HLA-DQB	0.50664	6.81E-34	postive
IL16	HLA-DQB	0.58693	1.60E-47	postive
IL24	HLA-DQB	0.60851	7.15E-52	postive
TNFSF13	HLA-DQB	0.5033	2.11E-33	postive
CRLF3	HLA-DQB	0.50642	7.35E-34	postive
CSF2RA	HLA-DQB	0.62209	8.76E-55	postive
CSF3R	HLA-DQB	0.63373	2.14E-57	postive
IL10RA	HLA-DQB	0.65172	1.16E-61	postive
IL2RB	HLA-DQB	0.53395	4.01E-38	postive

IL2RG	HLA-DQB	0.52871	2.78E-37	postive
RORA	HLA-DQB	0.56618	1.22E-43	postive
TNFRSF1	HLA-DQB	0.53542	2.32E-38	postive
TNFRSF2	HLA-DQB	0.61281	8.86E-53	postive
ITGAL	HLA-DQB	0.5677	6.51E-44	postive
CD247	HLA-DQB	0.54567	4.65E-40	postive
LCP2	HLA-DQB	0.66201	3.10E-64	postive
FYN	HLA-DQB	0.62304	5.42E-55	postive
CD48	HLA-DQB	0.55902	2.32E-42	postive
CD3E	HLA-DQB	0.54245	1.61E-39	postive
CD3G	HLA-DQB	0.55583	8.42E-42	postive
PTPRC	HLA-DQB	0.57395	4.63E-45	postive
MAP3K8	HLA-DQB	0.64659	2.05E-60	postive
TRAC	HLA-DQB	0.54555	4.87E-40	postive
TRBV29-	HLA-DQB	0.50643	7.31E-34	postive
CREB1	NORAD	0.66169	3.74E-64	postive
RFXANK	NORAD	-0.50638	7.44E-34	negative
UBR1	NORAD	0.58836	8.42E-48	postive
MAPK1	NORAD	0.5973	1.43E-49	postive
MAPK14	NORAD	0.54768	2.12E-40	postive
EIF2AK2	NORAD	0.50687	6.29E-34	postive
MAPK8	NORAD	0.51035	1.91E-34	postive
LMBR1	NORAD	0.54744	2.33E-40	postive
SP1	NORAD	0.56475	2.22E-43	postive
IREB2	NORAD	0.62052	1.94E-54	postive
MAP2K2	NORAD	-0.50078	4.92E-33	negative
LANCL1	NORAD	0.58214	1.34E-46	postive
PIK3CA	NORAD	0.51448	4.54E-35	postive
GSK3B	NORAD	0.60354	7.68E-51	postive
ACVR2A	NORAD	0.51167	1.21E-34	postive
BMPR2	NORAD	0.60542	3.15E-51	postive
NR1D2	NORAD	0.51835	1.17E-35	postive
NR2C2	NORAD	0.58143	1.83E-46	postive
PPARA	NORAD	0.5305	1.44E-37	postive
PTPN11	NORAD	0.61354	6.21E-53	postive
SOS1	NORAD	0.52122	4.20E-36	postive
SOS2	NORAD	0.61447	3.93E-53	postive
PAK2	NORAD	0.54434	7.77E-40	postive
UCN	AC00777	0.53005	1.71E-37	postive
NR2F6	AC00777	0.50465	1.34E-33	postive
LEAP2	AL135999	0.67454	1.65E-67	postive
LMBR1L	AL135999	0.55559	9.28E-42	postive
TYK2	AL135999	0.5382	8.12E-39	postive
LTB4R	AL135999	0.50798	4.30E-34	postive
AGER	AL135999	0.50882	3.23E-34	postive
MC1R	AL135999	0.61825	6.04E-54	postive
NPR3	PCAT18	0.55209	3.74E-41	postive
CD1D	LINC0187	0.57251	8.55E-45	postive
CD4	LINC0187	0.5843	5.14E-47	postive
CD8A	LINC0187	0.73822	5.11E-87	postive
CD8B	LINC0187	0.55462	1.37E-41	postive
CD74	LINC0187	0.65987	1.09E-63	postive
CTSS	LINC0187	0.51725	1.72E-35	postive
FCER1G	LINC0187	0.5993	5.63E-50	postive
HLA-DMA	LINC0187	0.66924	4.18E-66	postive
HLA-DOA	LINC0187	0.53649	1.55E-38	postive

HLA-DOB	LINC0187	0.67441	1.78E-67	postive
HLA-DPB	LINC0187	0.67192	8.24E-67	postive
HLA-DQA	LINC0187	0.56641	1.11E-43	postive
HLA-DQB	LINC0187	0.52055	5.33E-36	postive
HLA-DRA	LINC0187	0.52657	6.09E-37	postive
HLA-DRB	LINC0187	0.63895	1.32E-58	postive
HLA-E	LINC0187	0.60687	1.58E-51	postive
HLA-F	LINC0187	0.65846	2.46E-63	postive
CIITA	LINC0187	0.51107	1.49E-34	postive
TAP2	LINC0187	0.53563	2.14E-38	postive
CXCL9	LINC0187	0.54708	2.69E-40	postive
CXCL13	LINC0187	0.627	7.17E-56	postive
APOBEC	LINC0187	0.6094	4.67E-52	postive
IDO1	LINC0187	0.59131	2.23E-48	postive
SOCS1	LINC0187	0.5311	1.15E-37	postive
IRF1	LINC0187	0.5149	3.93E-35	postive
CD40	LINC0187	0.50684	6.35E-34	postive
CCL5	LINC0187	0.81125	#####	postive
GNLY	LINC0187	0.56855	4.56E-44	postive
CCL4	LINC0187	0.53203	8.19E-38	postive
IL18	LINC0187	0.64952	3.99E-61	postive
PDCD1	LINC0187	0.70217	2.47E-75	postive
GBP2	LINC0187	0.64141	3.50E-59	postive
CCL19	LINC0187	0.6706	1.84E-66	postive
CCR7	LINC0187	0.67025	2.27E-66	postive
CCR5	LINC0187	0.66402	9.47E-65	postive
CXCR4	LINC0187	0.60233	1.36E-50	postive
CXCR6	LINC0187	0.71649	9.32E-80	postive
FGR	LINC0187	0.52026	5.91E-36	postive
CD86	LINC0187	0.57686	1.33E-45	postive
HCK	LINC0187	0.54593	4.20E-40	postive
CD79A	LINC0187	0.51251	9.04E-35	postive
CD79B	LINC0187	0.51824	1.21E-35	postive
BTK	LINC0187	0.54273	1.44E-39	postive
VAV1	LINC0187	0.58053	2.70E-46	postive
RAC2	LINC0187	0.66557	3.78E-65	postive
CARD11	LINC0187	0.56123	9.42E-43	postive
NFKBIE	LINC0187	0.55897	2.37E-42	postive
PIK3CD	LINC0187	0.58544	3.11E-47	postive
INPP5D	LINC0187	0.51448	4.55E-35	postive
CD72	LINC0187	0.72153	2.23E-81	postive
PTPN6	LINC0187	0.54263	1.50E-39	postive
IGKC	LINC0187	0.5908	2.80E-48	postive
IGKV1-17	LINC0187	0.53933	5.29E-39	postive
IGKV3-11	LINC0187	0.51398	5.41E-35	postive
IGKV5-2	LINC0187	0.53803	8.66E-39	postive
IGLC2	LINC0187	0.57625	1.73E-45	postive
SEMA7A	LINC0187	0.5281	3.48E-37	postive
TYMP	LINC0187	0.6682	7.84E-66	postive
CXCR3	LINC0187	0.6801	5.16E-69	postive
PTAFR	LINC0187	0.51619	2.50E-35	postive
EBI3	LINC0187	0.68802	3.23E-71	postive
FLT3LG	LINC0187	0.57502	2.93E-45	postive
GMFG	LINC0187	0.81499	#####	postive
IL16	LINC0187	0.56164	7.98E-43	postive
IL24	LINC0187	0.58223	1.28E-46	postive

IL32	LINC0187	0.67023	2.30E-66	postive
LTB	LINC0187	0.69713	7.70E-74	postive
TNFSF13	LINC0187	0.63121	8.03E-57	postive
CSF2RA	LINC0187	0.55161	4.52E-41	postive
IL10RA	LINC0187	0.57579	2.11E-45	postive
IL2RB	LINC0187	0.59509	3.96E-49	postive
IL27RA	LINC0187	0.51519	3.55E-35	postive
IL2RG	LINC0187	0.73447	1.03E-85	postive
TNFRSF1	LINC0187	0.65081	1.94E-61	postive
TNFRSF2	LINC0187	0.64456	6.26E-60	postive
TNFRSF4	LINC0187	0.70243	2.06E-75	postive
ITGAL	LINC0187	0.63359	2.30E-57	postive
ITGB2	LINC0187	0.55412	1.67E-41	postive
TYROBP	LINC0187	0.583	9.14E-47	postive
LCK	LINC0187	0.63911	1.21E-58	postive
CD247	LINC0187	0.74902	6.64E-91	postive
ZAP70	LINC0187	0.64127	3.78E-59	postive
LCP2	LINC0187	0.5451	5.80E-40	postive
HCST	LINC0187	0.74324	8.46E-89	postive
CD48	LINC0187	0.71863	1.93E-80	postive
GZMB	LINC0187	0.80359	#####	postive
PRF1	LINC0187	0.75681	7.84E-94	postive
CD3D	LINC0187	0.85014	#####	postive
CD3E	LINC0187	0.76039	3.27E-95	postive
CD3G	LINC0187	0.58867	7.35E-48	postive
CTLA4	LINC0187	0.50213	3.13E-33	postive
TRAC	LINC0187	0.73815	5.38E-87	postive
TRBC2	LINC0187	0.74949	4.44E-91	postive
TRBV7-9	LINC0187	0.51088	1.59E-34	postive
TRBV19	LINC0187	0.57913	4.97E-46	postive
TRBV20-	LINC0187	0.62388	3.54E-55	postive
TRBV28	LINC0187	0.82231	#####	postive
TRBV29-	LINC0187	0.57099	1.63E-44	postive
LCN12	AL359091	0.59418	6.02E-49	postive
IRF3	AL359091	0.54242	1.63E-39	postive
AGER	AL359091	0.51401	5.35E-35	postive
HRAS	AL359091	0.501	4.57E-33	postive
UCN	AL359091	0.55465	1.35E-41	postive
RFXANK	AC097461	0.59444	5.35E-49	postive
UBXN1	AC097461	0.51361	6.16E-35	postive
STAT3	AC097461	-0.51752	1.56E-35	negative
BECN1	AC097461	-0.50714	5.75E-34	negative
CD320	AC097461	0.50648	7.20E-34	postive
UCN	AC097461	0.52077	4.92E-36	postive
NR2F6	AC097461	0.5166	2.16E-35	postive
PTPN11	AC097461	-0.5034	2.04E-33	negative
LMBR1	AC018641	0.54299	1.31E-39	postive
GSK3B	AC018641	0.56341	3.86E-43	postive
AGER	AC002051	0.5278	3.89E-37	postive
ZC3HAV1	AC002061	0.54145	2.36E-39	postive
ZC3HAV1	AC002061	0.60244	1.30E-50	postive
SP1	AC002061	0.54029	3.67E-39	postive
NFAT5	AC002061	0.56956	2.98E-44	postive
MALT1	AC002061	0.53899	6.03E-39	postive
AKT3	AC002061	0.66123	4.89E-64	postive
RORA	AC002061	0.6326	3.88E-57	postive

SOS1	AC00206	0.53594	1.91E-38	postive
CBL	AC00206	0.69209	2.24E-72	postive
BIRC5	TYMSOS	0.65948	1.36E-63	postive
PSMC5	YTHDF3-	0.51189	1.12E-34	postive
PSMD13	YTHDF3-	0.56434	2.63E-43	postive
ADRM1	YTHDF3-	0.53256	6.74E-38	postive
MAP2K2	YTHDF3-	0.54469	6.78E-40	postive
MYDGF	YTHDF3-	0.55662	6.12E-42	postive
IL6ST	YTHDF3-	-0.50466	1.33E-33	negative
NR2F6	YTHDF3-	0.51971	7.20E-36	postive
DDX17	AC00896	0.51868	1.04E-35	postive
AP3B1	SNHG12	-0.54322	1.20E-39	negative
LEAP2	SNHG12	0.51248	9.12E-35	postive
LCN12	SNHG12	0.55578	8.58E-42	postive
LMBR1L	SNHG12	0.69817	3.81E-74	postive
IRF3	SNHG12	0.66305	1.68E-64	postive
C8G	SNHG12	0.56665	1.07E-43	postive
MAPK1	SNHG12	-0.51424	4.94E-35	negative
LTB4R	SNHG12	0.54888	1.33E-40	postive
AGER	SNHG12	0.63152	6.82E-57	postive
ACO1	SNHG12	-0.50663	6.82E-34	negative
UCN	SNHG12	0.57112	1.54E-44	postive
IGF2R	SNHG12	-0.52496	1.09E-36	negative
OGFR	SNHG12	0.57742	1.04E-45	postive
TNFRSF2	SNHG12	0.51216	1.02E-34	postive
CANX	AC10867	-0.57385	4.84E-45	negative
CREB1	AC10867	-0.55403	1.73E-41	negative
PSMC1	AC10867	-0.50032	5.73E-33	negative
PSMC3	AC10867	0.5671	8.35E-44	postive
PSMC5	AC10867	0.60494	3.96E-51	postive
PSMD4	AC10867	0.59944	5.28E-50	postive
AP3B1	AC10867	-0.6282	3.84E-56	negative
RFXANK	AC10867	0.66918	4.35E-66	postive
PSME3	AC10867	-0.56592	1.36E-43	negative
UBXN1	AC10867	0.6808	3.32E-69	postive
UBR1	AC10867	-0.58667	1.79E-47	negative
S100A13	AC10867	0.65179	1.12E-61	postive
IRF3	AC10867	0.6066	1.79E-51	postive
MAPK1	AC10867	-0.62961	1.85E-56	negative
STAT3	AC10867	-0.51564	3.03E-35	negative
APOM	AC10867	0.52342	1.91E-36	postive
LMBR1	AC10867	-0.54477	6.59E-40	negative
DCK	AC10867	-0.50972	2.37E-34	negative
BECN1	AC10867	-0.55999	1.57E-42	negative
IREB2	AC10867	-0.58205	1.39E-46	negative
MAP2K2	AC10867	0.59058	3.10E-48	postive
LANCL1	AC10867	-0.62448	2.21E-55	negative
TBK1	AC10867	-0.51128	1.38E-34	negative
AGER	AC10867	0.5465	3.36E-40	postive
HRAS	AC10867	0.68491	2.42E-70	postive
CHUK	AC10867	-0.55414	1.66E-41	negative
GSK3B	AC10867	-0.52356	1.81E-36	negative
CLEC11A	AC10867	0.51989	6.75E-36	postive
CMTM6	AC10867	-0.57628	1.71E-45	negative
GMFB	AC10867	-0.57793	8.36E-46	negative
NENF	AC10867	0.65267	6.77E-62	postive

PSPN	AC10867	0.51223	9.97E-35	postive
UCN	AC10867	0.55243	3.28E-41	postive
VEGFB	AC10867	0.52287	2.32E-36	postive
IGF2R	AC10867	-0.63524	9.64E-58	negative
NR2F6	AC10867	0.59077	2.85E-48	postive
PTPN11	AC10867	-0.59698	1.66E-49	negative
PAK2	AC10867	-0.54903	1.25E-40	negative
LEAP2	AC09058	0.61786	7.35E-54	postive
LMBR1L	AC09058	0.59915	6.05E-50	postive
DDX17	AC09058	0.75223	4.25E-92	postive
IRF9	AC09058	0.51658	2.17E-35	postive
NFAT5	AC09058	0.51571	2.95E-35	postive
NR2C2	AC09058	0.54978	9.31E-41	postive
RORA	AC09058	0.56165	7.94E-43	postive
SH3BP2	AC09058	0.5286	2.90E-37	postive
LEAP2	AC13505	0.51027	1.96E-34	postive
LCN12	AC13505	0.53373	4.35E-38	postive
LMBR1L	AC13505	0.60142	2.09E-50	postive
IRF3	AC13505	0.6527	6.68E-62	postive
LTB4R	AC13505	0.53995	4.19E-39	postive
AGER	AC13505	0.76133	1.39E-95	postive
UCN	AC13505	0.57702	1.24E-45	postive
TNFRSF2	AC13505	0.54218	1.79E-39	postive
MR1	AF00154	0.5056	9.69E-34	postive
TINAGL1	AF00154	0.52983	1.85E-37	postive
CSRP1	AF00154	0.581	2.20E-46	postive
ILK	AF00154	0.6481	8.82E-61	postive
MASP1	AF00154	0.51965	7.33E-36	postive
ANXA6	AF00154	0.50643	7.31E-34	postive
PRKCB	AF00154	0.60824	8.15E-52	postive
FGF10	AF00154	0.56931	3.31E-44	postive
EDNRA	AF00154	0.61733	9.56E-54	postive
IL33	AF00154	0.5186	1.06E-35	postive
OGN	AF00154	0.50772	4.71E-34	postive
PDGFC	AF00154	0.52054	5.35E-36	postive
ANGPT1	AF00154	0.62565	1.43E-55	postive
ANGPTL1	AF00154	0.58909	6.07E-48	postive
FGFR1	AF00154	0.58714	1.46E-47	postive
PGR	AF00154	0.68531	1.86E-70	postive
PTGER2	AF00154	0.50301	2.33E-33	postive
TGFBR3	AF00154	0.61429	4.29E-53	postive
PRKCA	AF00154	0.56824	5.18E-44	postive
NTF4	AC13037	0.50765	4.82E-34	postive
RARG	AC13037	0.51171	1.19E-34	postive
PSMC5	SNHG25	0.53134	1.06E-37	postive
PSMD13	SNHG25	0.50819	4.02E-34	postive
SEM1	SNHG25	0.50901	3.03E-34	postive
AP3B1	SNHG25	-0.55847	2.90E-42	negative
RFXANK	SNHG25	0.6473	1.38E-60	postive
UBXN1	SNHG25	0.50755	4.99E-34	postive
UBR1	SNHG25	-0.52381	1.66E-36	negative
LCN12	SNHG25	0.53325	5.20E-38	postive
IRF3	SNHG25	0.54183	2.04E-39	postive
C8G	SNHG25	0.50661	6.88E-34	postive
MAPK1	SNHG25	-0.57462	3.48E-45	negative
MAP2K2	SNHG25	0.60997	3.54E-52	postive

LANCL1	SNHG25	-0.51387	5.63E-35	negative
HRAS	SNHG25	0.5902	3.69E-48	postive
MYDGF	SNHG25	0.50991	2.22E-34	postive
IL6ST	SNHG25	-0.51508	3.69E-35	negative
UCN	SNHG25	0.67554	8.91E-68	postive
BMPR2	SNHG25	-0.50921	2.82E-34	negative
IGF2R	SNHG25	-0.5181	1.27E-35	negative
NR2F6	SNHG25	0.6442	7.62E-60	postive
PTPN11	SNHG25	-0.53047	1.46E-37	negative
SOS2	SNHG25	-0.56154	8.32E-43	negative
ZC3HAV1AC13505I	AC13505I	0.55821	3.23E-42	postive
ZC3HAV1AC13505I	AC13505I	0.56909	3.64E-44	postive
EIF2AK2	AC13505I	0.53396	4.00E-38	postive
MX2	AC13505I	0.52331	1.98E-36	postive
TCF7L2	AC13505I	0.56212	6.55E-43	postive
IL7R	AC13505I	0.65102	1.73E-61	postive
DDX17	AC13505I	0.62247	7.23E-55	postive
SERPINAAC13505I	AC13505I	0.54723	2.53E-40	postive
NFAT5	AC13505I	0.81687	#####	postive
NFATC3	AC13505I	0.61075	2.42E-52	postive
CRLF3	AC13505I	0.50837	3.77E-34	postive
NR2C2	AC13505I	0.58648	1.96E-47	postive
RORA	AC13505I	0.75893	1.20E-94	postive
LCP2	AC13505I	0.52169	3.54E-36	postive
SOS1	AC13505I	0.65916	1.64E-63	postive
PRKCA	AC13505I	0.57681	1.36E-45	postive
CBL	AC13505I	0.55032	7.54E-41	postive
CBLB	AC13505I	0.50141	3.98E-33	postive
CTF1	AC13580I	0.53075	1.32E-37	postive
CANX	RARA-AS	-0.52698	5.24E-37	negative
PSMC3	RARA-AS	0.57341	5.85E-45	postive
PSMC5	RARA-AS	0.50814	4.07E-34	postive
RFXANK	RARA-AS	0.53669	1.44E-38	postive
UBXN1	RARA-AS	0.55026	7.72E-41	postive
S100A13	RARA-AS	0.64329	1.25E-59	postive
S100A6	RARA-AS	0.54394	9.08E-40	postive
S100A16	RARA-AS	0.51184	1.14E-34	postive
WFDC2	RARA-AS	0.54092	2.90E-39	postive
IRF3	RARA-AS	0.62158	1.14E-54	postive
CD81	RARA-AS	0.57617	1.79E-45	postive
DCK	RARA-AS	-0.50762	4.88E-34	negative
MAP2K2	RARA-AS	0.53413	3.76E-38	postive
LANCL1	RARA-AS	-0.51888	9.66E-36	negative
PPP4C	RARA-AS	0.51131	1.37E-34	postive
HRAS	RARA-AS	0.56433	2.64E-43	postive
NFKBIB	RARA-AS	0.54992	8.82E-41	postive
NFKBIE	RARA-AS	0.61228	1.15E-52	postive
CLEC11ARARA-AS	RARA-AS	0.52313	2.11E-36	postive
FIT3LG	RARA-AS	0.54825	1.70E-40	postive
IL17B	RARA-AS	0.55466	1.35E-41	postive
NMB	RARA-AS	0.52094	4.63E-36	postive
IL3RA	RARA-AS	0.57581	2.09E-45	postive
RARA	RARA-AS	0.50749	5.10E-34	postive
LEAP2	AC00643I	0.67206	7.56E-67	postive
LMBR1L	AC00643I	0.64952	4.00E-61	postive
TYK2	AC00643I	0.52147	3.84E-36	postive

LTB4R	AC00643	0.51472	4.18E-35	postive
DDX17	AC00643	0.62923	2.26E-56	postive
IRF9	AC00643	0.60943	4.60E-52	postive
AGER	AC00643	0.53924	5.49E-39	postive
IKBKB	AC00643	0.5003	5.76E-33	postive
MC1R	AC00643	0.52121	4.22E-36	postive
LCN12	AC00310	0.55135	5.02E-41	postive
LTB4R	AC00310	0.50461	1.35E-33	postive
MC1R	AC00310	0.58418	5.43E-47	postive
CREB1	AC00503	0.55542	9.91E-42	postive
AP3B1	AC00503	0.50722	5.59E-34	postive
UBR1	AC00503	0.56611	1.26E-43	postive
MAPK1	AC00503	0.55563	9.13E-42	postive
EIF2AK2	AC00503	0.50702	5.99E-34	postive
IREB2	AC00503	0.53922	5.53E-39	postive
NFAT5	AC00503	0.50205	3.21E-33	postive
NFATC3	AC00503	0.51031	1.93E-34	postive
BMPR2	AC00503	0.5207	5.04E-36	postive
PTPN11	AC00503	0.517	1.87E-35	postive
SOS1	AC00503	0.55024	7.78E-41	postive
SOS2	AC00503	0.50833	3.82E-34	postive
LEAP2	AC13895	0.56392	3.13E-43	postive
ZC3HAV1AC13895	AC13895	0.57168	1.22E-44	postive
ZC3HAV1AC13895	AC13895	0.6678	9.98E-66	postive
EIF2AK2	AC13895	0.51115	1.45E-34	postive
TCF7L2	AC13895	0.51628	2.42E-35	postive
SP1	AC13895	0.5698	2.69E-44	postive
IL7R	AC13895	0.54126	2.54E-39	postive
DDX17	AC13895	0.72854	1.07E-83	postive
NFAT5	AC13895	0.81009	#####	postive
NFATC3	AC13895	0.60625	2.12E-51	postive
AKT3	AC13895	0.57786	8.64E-46	postive
SLIT2	AC13895	0.51147	1.30E-34	postive
PLXNC1	AC13895	0.50467	1.33E-33	postive
CRLF3	AC13895	0.56119	9.58E-43	postive
NR2C2	AC13895	0.68354	5.79E-70	postive
RORA	AC13895	0.83293	#####	postive
SOS1	AC13895	0.66121	4.97E-64	postive
PRKCA	AC13895	0.54615	3.85E-40	postive
TEC	AC13895	0.54121	2.59E-39	postive
CBL	AC13895	0.68838	2.56E-71	postive
BPHL	AC00498	0.50007	6.23E-33	postive
BPHL	AC00498	0.53429	3.53E-38	postive
F2RL1	AC00498	0.51712	1.80E-35	postive
FAM3B	AC00498	0.55526	1.06E-41	postive
LCN12	AC01146	0.51158	1.25E-34	postive
AGER	AC01146	0.54902	1.26E-40	postive
LEAP2	AC13802	0.54528	5.39E-40	postive
LMBR1L	AC13802	0.52208	3.09E-36	postive
TYK2	AC13802	0.54501	5.99E-40	postive
DDX17	AC13802	0.58872	7.17E-48	postive
IRF9	AC13802	0.50625	7.78E-34	postive
NFAT5	AC01208	0.60132	2.19E-50	postive
PRKCB	AC01208	0.58497	3.82E-47	postive
FGF10	AC01208	0.50275	2.54E-33	postive
SLIT2	AC01208	0.51212	1.03E-34	postive

ANGPT1	AC012081	0.51	2.16E-34	positive
ANGPTL1	AC012081	0.6643	8.04E-65	positive
PGR	AC012081	0.59607	2.53E-49	positive
RORA	AC012081	0.68088	3.15E-69	positive
PRKCA	AC012081	0.57233	9.24E-45	positive
PSMC5	AL035461	0.51172	1.19E-34	positive
AP3B1	AL035461	-0.50065	5.14E-33	negative
RFXANK	AL035461	0.66145	4.32E-64	positive
UBXN1	AL035461	0.5545	1.44E-41	positive
UBR1	AL035461	-0.50369	1.85E-33	negative
IRF3	AL035461	0.55479	1.28E-41	positive
MAPK1	AL035461	-0.54234	1.68E-39	negative
MAP2K2	AL035461	0.54586	4.31E-40	positive
LANCL1	AL035461	-0.5245	1.29E-36	negative
AGER	AL035461	0.50765	4.83E-34	positive
HRAS	AL035461	0.58478	4.17E-47	positive
UCN	AL035461	0.50972	2.37E-34	positive
IGF2R	AL035461	-0.53276	6.25E-38	negative
NR2F6	AL035461	0.57154	1.29E-44	positive
PTPN11	AL035461	-0.56396	3.07E-43	negative
LEAP2	STAG3L5	0.61165	1.56E-52	positive
LCN12	STAG3L5	0.61963	3.02E-54	positive
LMBR1L	STAG3L5	0.68462	2.91E-70	positive
IRF3	STAG3L5	0.55778	3.84E-42	positive
C8G	STAG3L5	0.54047	3.43E-39	positive
TYK2	STAG3L5	0.54212	1.82E-39	positive
LTB4R	STAG3L5	0.56565	1.53E-43	positive
AGER	STAG3L5	0.70052	7.66E-75	positive
EPOR	STAG3L5	0.53435	3.46E-38	positive
LEAP2	AC021071	0.56271	5.15E-43	positive
NFKBIZ	AC021071	0.53478	2.95E-38	positive
DDX17	AC021071	0.77555	#####	positive
NFAT5	AC021071	0.58407	5.70E-47	positive
NR2C2	AC021071	0.54915	1.19E-40	positive
RORA	AC021071	0.59672	1.87E-49	positive
LEAP2	ALG13-A1	0.52314	2.10E-36	positive
ZC3HAV1	ALG13-A1	0.56295	4.67E-43	positive
DDX17	ALG13-A1	0.67707	3.43E-68	positive
NFAT5	ALG13-A1	0.783	#####	positive
NFATC3	ALG13-A1	0.59064	3.02E-48	positive
SLIT2	ALG13-A1	0.52277	2.41E-36	positive
CRLF3	ALG13-A1	0.54052	3.37E-39	positive
NR2C2	ALG13-A1	0.61148	1.70E-52	positive
RORA	ALG13-A1	0.79544	#####	positive
SOS1	ALG13-A1	0.59539	3.45E-49	positive
PRKCA	ALG13-A1	0.60791	9.54E-52	positive
CBL	ALG13-A1	0.56046	1.29E-42	positive
LEAP2	INE1	0.60901	5.64E-52	positive
ZC3HAV1	INE1	0.53827	7.93E-39	positive
ZC3HAV1	INE1	0.59638	2.19E-49	positive
TCF7L2	INE1	0.50899	3.05E-34	positive
IL7R	INE1	0.57849	6.56E-46	positive
DDX17	INE1	0.71541	2.05E-79	positive
IRF9	INE1	0.50777	4.62E-34	positive
JAK2	INE1	0.50243	2.83E-33	positive
NFAT5	INE1	0.76554	3.02E-97	positive

NFATC3	INE1	0.55241	3.29E-41	postive
PLXNC1	INE1	0.51013	2.06E-34	postive
CRLF3	INE1	0.55573	8.77E-42	postive
NR2C2	INE1	0.60767	1.07E-51	postive
RORA	INE1	0.80036	#####	postive
SOS1	INE1	0.61992	2.62E-54	postive
PRKCA	INE1	0.53539	2.35E-38	postive
CBL	INE1	0.62302	5.47E-55	postive
LEAP2	AL121655	0.52188	3.31E-36	postive
EED	THAP9-A	0.56306	4.46E-43	postive
NR2C1	THAP9-A	0.54619	3.79E-40	postive
MAP2K2	CD2BP2-	0.51076	1.65E-34	postive
PPP4C	CD2BP2-	0.52163	3.62E-36	postive
THBS1	AL117336	0.50123	4.23E-33	postive
TNFAIP3	AL117336	0.51383	5.71E-35	postive
NFKBIZ	AL117336	0.60067	2.97E-50	postive
DDX17	AL117336	0.5496	1.00E-40	postive
SERPINA	AL117336	0.50176	3.55E-33	postive
NFAT5	AL117336	0.53562	2.15E-38	postive
NR4A2	AL117336	0.54911	1.21E-40	postive
NR4A3	AL117336	0.61184	1.43E-52	postive
RORA	AL117336	0.6122	1.20E-52	postive
MAP3K8	AL117336	0.6503	2.59E-61	postive
MAP2K2	AC026304	0.51515	3.59E-35	postive
LEAP2	AL359921	0.51273	8.37E-35	postive
IL7R	AL359921	0.56658	1.04E-43	postive
NFAT5	AL359921	0.62519	1.81E-55	postive
RORA	AL359921	0.56889	3.95E-44	postive
CANX	AC067830	-0.53769	9.87E-39	negative
PSME3	AC067830	-0.50134	4.08E-33	negative
S100A13	AC067830	0.6047	4.44E-51	postive
S100A6	AC067830	0.62341	4.49E-55	postive
S100A16	AC067830	0.53748	1.07E-38	postive
WFDC2	AC067830	0.51097	1.54E-34	postive
RBPI	AC067830	0.5299	1.80E-37	postive
IRF3	AC067830	0.5221	3.06E-36	postive
CD81	AC067830	0.5208	4.88E-36	postive
APOM	AC067830	0.61318	7.42E-53	postive
TPM2	AC067830	0.52629	6.74E-37	postive
ROBO3	AC067830	0.53818	8.20E-39	postive
DES	AC067830	0.52011	6.24E-36	postive
NFATC4	AC067830	0.50572	9.31E-34	postive
CTF1	AC067830	0.60337	8.35E-51	postive
FLT3LG	AC067830	0.61005	3.40E-52	postive
IL17B	AC067830	0.52285	2.34E-36	postive
NRTN	AC067830	0.6013	2.21E-50	postive
NTF4	AC067830	0.57622	1.75E-45	postive
TNFSF12	AC067830	0.5404	3.52E-39	postive
IL3RA	AC067830	0.50481	1.27E-33	postive
PTH1R	AC067830	0.52815	3.42E-37	postive
LEAP2	AC08774	0.56916	3.53E-44	postive
LCN12	AC08774	0.59476	4.61E-49	postive
LMBR1L	AC08774	0.51803	1.30E-35	postive
AGER	AC08774	0.59915	6.07E-50	postive
UCN	AC08774	0.51791	1.36E-35	postive
EPOR	AC08774	0.51086	1.60E-34	postive

MC1R	AC08774	0.51306	7.45E-35	postive
DEFB132	AC02168	0.52053	5.36E-36	postive
APOBEC	AC02168	0.50718	5.66E-34	postive
FGFRL1	AC09253	0.63264	3.79E-57	postive
PDGFRA	AC09300	0.62157	1.14E-54	postive
LEAP2	AC02090	0.59287	1.09E-48	postive
LMBR1L	AC02090	0.63653	4.83E-58	postive
TYK2	AC02090	0.60423	5.55E-51	postive
DDX17	AC02090	0.62401	3.30E-55	postive
IRF9	AC02090	0.50779	4.59E-34	postive
PLCG1	AC02090	0.52612	7.18E-37	postive
SH3BP2	AC02090	0.52424	1.42E-36	postive
NR2C2	ATXN1-A	0.53096	1.22E-37	postive
AGER	AL03167	0.51916	8.74E-36	postive
AP3B1	PARD3-A	-0.5048	1.27E-33	negative
RFXANK	PARD3-A	0.56732	7.62E-44	postive
LCN12	PARD3-A	0.57052	1.99E-44	postive
IRF3	PARD3-A	0.53806	8.58E-39	postive
C8G	PARD3-A	0.54947	1.05E-40	postive
MAPK1	PARD3-A	-0.51242	9.34E-35	negative
MAP2K2	PARD3-A	0.50565	9.54E-34	postive
HRAS	PARD3-A	0.56	1.56E-42	postive
NENF	PARD3-A	0.54077	3.07E-39	postive
UCN	PARD3-A	0.56575	1.47E-43	postive
IGF2R	PARD3-A	-0.50008	6.22E-33	negative
NR2F6	PARD3-A	0.5109	1.58E-34	postive
PTPN11	PARD3-A	-0.5096	2.47E-34	negative
PSMD13	AL163051	0.5098	2.31E-34	postive
RFXANK	AL163051	0.5156	3.07E-35	postive
ADRM1	AL163051	0.5004	5.58E-33	postive
PPIA	AL163051	0.52144	3.88E-36	postive
JAK1	AL163051	-0.51362	6.14E-35	negative
MAP2K2	AL163051	0.52767	4.08E-37	postive
PPP4C	AL163051	0.52845	3.06E-37	postive
MIF	AL163051	0.53044	1.48E-37	postive
HRAS	AL163051	0.50904	3.00E-34	postive
IL6ST	AL163051	-0.55806	3.43E-42	negative
UCN	AL163051	0.53147	1.01E-37	postive
NR2F6	AL163051	0.53487	2.85E-38	postive
TYK2	LINC0026	0.50148	3.90E-33	postive
DDX17	LINC0026	0.53823	8.05E-39	postive
CANX	AL021707	-0.54325	1.18E-39	negative
PSMC3	AL021707	0.54949	1.05E-40	postive
PSMC5	AL021707	0.61317	7.45E-53	postive
PSMD4	AL021707	0.52837	3.16E-37	postive
PSME2	AL021707	0.54216	1.80E-39	postive
AP3B1	AL021707	-0.56377	3.32E-43	negative
RFXANK	AL021707	0.68681	7.09E-71	postive
UBXN1	AL021707	0.63003	1.49E-56	postive
S100A13	AL021707	0.6334	2.54E-57	postive
LCN12	AL021707	0.55208	3.76E-41	postive
LMBR1L	AL021707	0.58299	9.17E-47	postive
IRF3	AL021707	0.76113	1.67E-95	postive
C8G	AL021707	0.56352	3.68E-43	postive
MAPK1	AL021707	-0.60084	2.75E-50	negative
IRF7	AL021707	0.51796	1.34E-35	postive

MAP2K2	AL021707	0.60006	3.96E-50	postive
LANCL1	AL021707	-0.53805	8.61E-39	negative
PPP4C	AL021707	0.50741	5.23E-34	postive
AGER	AL021707	0.72236	1.19E-81	postive
HRAS	AL021707	0.66878	5.51E-66	postive
GSK3B	AL021707	-0.52478	1.17E-36	negative
CMTM6	AL021707	-0.53456	3.20E-38	negative
NENF	AL021707	0.52254	2.61E-36	postive
NMB	AL021707	0.54245	1.61E-39	postive
UCN	AL021707	0.5863	2.12E-47	postive
IGF2R	AL021707	-0.52817	3.40E-37	negative
NR2F6	AL021707	0.53817	8.22E-39	postive
OGFR	AL021707	0.59188	1.72E-48	postive
TNFRSF1A	AL021707	0.57916	4.92E-46	postive
PTPN11	AL021707	-0.58418	5.42E-47	negative
SHC2	AL021707	0.54611	3.92E-40	postive
LEAP2	AC09934	0.50439	1.46E-33	postive
ZC3HAV1	AC09934	0.54358	1.04E-39	postive
DDX17	AC09934	0.55578	8.60E-42	postive
NFAT5	AC09934	0.57604	1.89E-45	postive
AKT3	AC09934	0.5652	1.84E-43	postive
RORA	AC09934	0.71039	7.68E-78	postive
CBL	AC09934	0.62446	2.63E-55	postive
LEAP2	LINC0089	0.55381	1.89E-41	postive
LCN12	LINC0089	0.53555	2.20E-38	postive
LMBR1L	LINC0089	0.58841	8.23E-48	postive
DDX17	LINC0089	0.58428	5.20E-47	postive
AGER	LINC0089	0.55382	1.88E-41	postive
S100A6	BX284668	0.53066	1.36E-37	postive
S100A16	BX284668	0.50055	5.31E-33	postive
FLT3LG	BX284668	0.51191	1.11E-34	postive
NOX1	AL033397	0.64545	3.83E-60	postive
EED	AL390728	0.61388	5.26E-53	postive
AGER	AL390728	0.50654	7.04E-34	postive
NFAT5	ARHGEF	0.54761	2.19E-40	postive
RORA	ARHGEF	0.59666	1.92E-49	postive
LEAP2	AC008109	0.52425	1.41E-36	postive
LTB4R	AC008109	0.50996	2.18E-34	postive
AGER	AC008109	0.50429	1.51E-33	postive
CTSB	LINC0150	0.66323	1.51E-64	postive
FCGRT	LINC0150	0.56115	9.77E-43	postive
DEFB1	LINC0150	0.74553	1.26E-89	postive
S100A6	LINC0150	0.6669	1.71E-65	postive
S100A2	LINC0150	0.65288	6.03E-62	postive
S100A14	LINC0150	0.80592	#####	postive
S100A16	LINC0150	0.79669	#####	postive
SLC22A1	LINC0150	0.52645	6.37E-37	postive
WFDC2	LINC0150	0.76238	5.41E-96	postive
APOBEC	LINC0150	0.57678	1.38E-45	postive
RBPI	LINC0150	0.50087	4.77E-33	postive
CRABP2	LINC0150	0.52688	5.44E-37	postive
DUOX1	LINC0150	0.65992	1.06E-63	postive
CD40	LINC0150	0.67756	2.53E-68	postive
ZYX	LINC0150	0.52304	2.19E-36	postive
CD81	LINC0150	0.58309	8.79E-47	postive
APOM	LINC0150	0.55891	2.43E-42	postive

MAPK3	LINC015C	0.51964	7.36E-36	positive
ROBO3	LINC015C	0.58409	5.64E-47	positive
STING1	LINC015C	0.78023	#####	positive
IL18	LINC015C	0.5843	5.15E-47	positive
APOBEC	LINC015C	0.66791	9.32E-66	positive
ANXA6	LINC015C	0.51035	1.91E-34	positive
GBP2	LINC015C	0.6215	1.18E-54	positive
INPP5D	LINC015C	0.51785	1.39E-35	positive
CX3CL1	LINC015C	0.60805	8.92E-52	positive
TYMP	LINC015C	0.50407	1.63E-33	positive
BMP1	LINC015C	0.53139	1.04E-37	positive
CSF1	LINC015C	0.50761	4.90E-34	positive
CTF1	LINC015C	0.7102	8.79E-78	positive
FLT3LG	LINC015C	0.66542	4.13E-65	positive
IL34	LINC015C	0.59531	3.58E-49	positive
JAG2	LINC015C	0.63833	1.85E-58	positive
LTBP3	LINC015C	0.52515	1.02E-36	positive
NRG2	LINC015C	0.64456	6.26E-60	positive
NTF4	LINC015C	0.80894	#####	positive
IL3RA	LINC015C	0.55581	8.49E-42	positive
MET	LINC015C	0.53217	7.79E-38	positive
NGFR	LINC015C	0.57463	3.47E-45	positive
RARA	LINC015C	0.50806	4.19E-34	positive
RARG	LINC015C	0.73228	5.81E-85	positive
SDC1	LINC015C	0.55429	1.56E-41	positive
TNFRSF2	LINC015C	0.53626	1.69E-38	positive
SEMA3E	AC09763C	0.58324	8.23E-47	positive
CMTM8	AC09763C	0.85029	#####	positive
LCN12	AC12005C	0.50412	1.60E-33	positive
AGER	AC12005C	0.56112	9.88E-43	positive
UCN	AC12005C	0.5082	4.00E-34	positive
BECN1	AL359921	-0.5118	1.15E-34	negative
AGER	AL359921	0.53084	1.27E-37	positive
UCN	AL359921	0.50344	2.01E-33	positive
IGF2R	AL359921	-0.53182	8.85E-38	negative
LEAP2	HM13-IT1	0.51554	3.14E-35	positive
DDX17	HM13-IT1	0.68574	1.41E-70	positive
NFAT5	HM13-IT1	0.55297	2.64E-41	positive
NR2C2	HM13-IT1	0.58536	3.22E-47	positive
RORA	HM13-IT1	0.56655	1.05E-43	positive
LEAP2	LINC026C	0.50665	6.78E-34	positive
LCN12	LINC026C	0.51992	6.67E-36	positive
AGER	LINC026C	0.51329	6.88E-35	positive
EPOR	LINC026C	0.60776	1.03E-51	positive
BIRC5	AC00481C	0.5581	3.37E-42	positive
AMH	AC00481C	0.5321	7.99E-38	positive
LRSAM1	AC00481C	0.5293	2.24E-37	positive
UCN	TMEM44-	0.52326	2.01E-36	positive
LEAP2	AC00793C	0.57592	1.99E-45	positive
DDX17	AC00793C	0.53288	5.98E-38	positive
NFAT5	AC00793C	0.5567	5.92E-42	positive
RORA	AC00793C	0.67336	3.41E-67	positive
RFXANK	LINC028C	0.52003	6.41E-36	positive
UCN	LINC028C	0.53658	1.50E-38	positive
CTSB	SERTAD4	0.52024	5.95E-36	positive
FCGRT	SERTAD4	0.51067	1.71E-34	positive

HLA-DPB	SERTAD ^d	0.50389	1.73E-33	positive
DEFB1	SERTAD ^d	0.58793	1.02E-47	positive
S100A6	SERTAD ^d	0.68135	2.33E-69	positive
S100A14	SERTAD ^d	0.5339	4.09E-38	positive
S100A16	SERTAD ^d	0.66037	8.08E-64	positive
TINAGL1	SERTAD ^d	0.56914	3.56E-44	positive
WFDC2	SERTAD ^d	0.57885	5.61E-46	positive
TGFB1	SERTAD ^d	0.58402	5.84E-47	positive
RBP1	SERTAD ^d	0.50286	2.45E-33	positive
CD40	SERTAD ^d	0.59684	1.77E-49	positive
ZYX	SERTAD ^d	0.62827	3.71E-56	positive
CSRP1	SERTAD ^d	0.54057	3.30E-39	positive
CD81	SERTAD ^d	0.53471	3.03E-38	positive
APOM	SERTAD ^d	0.50762	4.87E-34	positive
ROBO3	SERTAD ^d	0.52848	3.03E-37	positive
STING1	SERTAD ^d	0.68117	2.61E-69	positive
IL18	SERTAD ^d	0.52535	9.48E-37	positive
ANXA6	SERTAD ^d	0.58808	9.55E-48	positive
VIM	SERTAD ^d	0.53389	4.10E-38	positive
GBP2	SERTAD ^d	0.60201	1.59E-50	positive
NFATC4	SERTAD ^d	0.59083	2.76E-48	positive
CX3CL1	SERTAD ^d	0.53279	6.17E-38	positive
SEMA3B	SERTAD ^d	0.56655	1.05E-43	positive
BMP1	SERTAD ^d	0.62591	1.26E-55	positive
CSF1	SERTAD ^d	0.50278	2.51E-33	positive
CTF1	SERTAD ^d	0.67748	2.66E-68	positive
FLT3LG	SERTAD ^d	0.64454	6.34E-60	positive
IL17B	SERTAD ^d	0.61523	2.70E-53	positive
IL34	SERTAD ^d	0.65092	1.83E-61	positive
JAG2	SERTAD ^d	0.5213	4.08E-36	positive
LTBP3	SERTAD ^d	0.59567	3.03E-49	positive
NRTN	SERTAD ^d	0.55409	1.69E-41	positive
NTF4	SERTAD ^d	0.63733	3.15E-58	positive
IL3RA	SERTAD ^d	0.64451	6.43E-60	positive
NR2F1	SERTAD ^d	0.53675	1.40E-38	positive
RARA	SERTAD ^d	0.52048	5.46E-36	positive
RARG	SERTAD ^d	0.60083	2.76E-50	positive
TNFRSF2	SERTAD ^d	0.54207	1.86E-39	positive
ICAM2	SERTAD ^d	0.50302	2.32E-33	positive
BECN1	OSER1-D	-0.50891	3.13E-34	negative
LEAP2	SH3BP5 ⁻	0.6806	3.76E-69	positive
LMBR1L	SH3BP5 ⁻	0.59549	3.30E-49	positive
LTB4R	SH3BP5 ⁻	0.5364	1.60E-38	positive
DDX17	SH3BP5 ⁻	0.64979	3.43E-61	positive
IRF9	SH3BP5 ⁻	0.5483	1.67E-40	positive
AGER	SH3BP5 ⁻	0.60225	1.41E-50	positive
TNFRSF2	SH3BP5 ⁻	0.52257	2.59E-36	positive
MR1	CHROMR	0.56402	3.00E-43	positive
CIITA	CHROMR	0.54271	1.45E-39	positive
DDX58	CHROMR	0.50376	1.81E-33	positive
RNASEL	CHROMR	0.53768	9.89E-39	positive
CYLD	CHROMR	0.54537	5.23E-40	positive
TLR1	CHROMR	0.52022	5.99E-36	positive
IL7R	CHROMR	0.51807	1.29E-35	positive
DDX17	CHROMR	0.57526	2.64E-45	positive
TRIM22	CHROMR	0.62662	8.70E-56	positive

TANK	CHROMR	0.532	8.29E-38	postive
CXCR6	CHROMR	0.50876	3.29E-34	postive
JAK2	CHROMR	0.62768	5.03E-56	postive
NFAT5	CHROMR	0.57815	7.61E-46	postive
PIK3R1	CHROMR	0.52698	5.24E-37	postive
PLXNC1	CHROMR	0.56932	3.30E-44	postive
CRLF3	CHROMR	0.5236	1.79E-36	postive
NR3C1	CHROMR	0.50068	5.08E-33	postive
RORA	CHROMR	0.6405	5.72E-59	postive
LCP2	CHROMR	0.56646	1.09E-43	postive
FYN	CHROMR	0.50959	2.48E-34	postive
SOS1	CHROMR	0.52868	2.82E-37	postive
PTPRC	CHROMR	0.50165	3.67E-33	postive
MAP3K8	CHROMR	0.50152	3.84E-33	postive
CBL	CHROMR	0.5331	5.50E-38	postive
LEAP2	AC04834	0.68081	3.28E-69	postive
LCN12	AC04834	0.56887	3.98E-44	postive
LMBR1L	AC04834	0.60757	1.12E-51	postive
C8G	AC04834	0.50662	6.86E-34	postive
LTB4R	AC04834	0.54826	1.69E-40	postive
AGER	AC04834	0.67264	5.28E-67	postive
UCN	AC04834	0.51488	3.95E-35	postive
MC1R	AC04834	0.50094	4.66E-33	postive
HDAC1	AL162411	0.59134	2.20E-48	postive
CBLC	AL162411	0.53691	1.32E-38	postive
SYTL1	AC00940	0.52339	1.92E-36	postive
RABEP2	AC00940	0.51994	6.62E-36	postive
RORA	MAP3K5-	0.51272	8.39E-35	postive
CANX	OIP5-AS1	0.53787	9.19E-39	postive
CREB1	OIP5-AS1	0.77209	#####	postive
PSMC3	OIP5-AS1	-0.58248	1.15E-46	negative
PSMC5	OIP5-AS1	-0.51861	1.06E-35	negative
PSMD4	OIP5-AS1	-0.51954	7.63E-36	negative
PSMD5	OIP5-AS1	0.57841	6.81E-46	postive
AP3B1	OIP5-AS1	0.59022	3.65E-48	postive
RFXANK	OIP5-AS1	-0.54125	2.55E-39	negative
ADRM1	OIP5-AS1	-0.57361	5.36E-45	negative
UBR1	OIP5-AS1	0.71755	4.28E-80	postive
IRF3	OIP5-AS1	-0.50663	6.82E-34	negative
MAPK1	OIP5-AS1	0.63534	9.13E-58	postive
CYLD	OIP5-AS1	0.50115	4.35E-33	postive
MAPK14	OIP5-AS1	0.5514	4.91E-41	postive
ITGAV	OIP5-AS1	0.53066	1.36E-37	postive
EIF2AK2	OIP5-AS1	0.63486	1.18E-57	postive
MAPK8	OIP5-AS1	0.61829	5.93E-54	postive
AHNAK	OIP5-AS1	0.53009	1.68E-37	postive
LMBR1	OIP5-AS1	0.58953	4.97E-48	postive
SP1	OIP5-AS1	0.64716	1.49E-60	postive
ECD	OIP5-AS1	0.50555	9.88E-34	postive
JAK1	OIP5-AS1	0.53644	1.58E-38	postive
IREB2	OIP5-AS1	0.7715	1.15E-99	postive
SYTL1	OIP5-AS1	-0.52107	4.42E-36	negative
MAP2K2	OIP5-AS1	-0.60792	9.53E-52	negative
LANCL1	OIP5-AS1	0.67003	2.59E-66	postive
PPP4C	OIP5-AS1	-0.53103	1.19E-37	negative
TANK	OIP5-AS1	0.54495	6.14E-40	postive

PPP3CB	OIP5-AS1	0.53785	9.27E-39	postive
NFAT5	OIP5-AS1	0.51282	8.10E-35	postive
NFATC3	OIP5-AS1	0.55246	3.23E-41	postive
HRAS	OIP5-AS1	-0.60497	3.91E-51	negative
NRAS	OIP5-AS1	0.57249	8.62E-45	postive
CHUK	OIP5-AS1	0.52457	1.26E-36	postive
NFKBIB	OIP5-AS1	-0.5425	1.58E-39	negative
PIK3R1	OIP5-AS1	0.5479	1.95E-40	postive
PIK3CA	OIP5-AS1	0.55228	3.47E-41	postive
GSK3B	OIP5-AS1	0.67744	2.73E-68	postive
MYDGF	OIP5-AS1	-0.56406	2.95E-43	negative
CMTM4	OIP5-AS1	0.52054	5.35E-36	postive
GMFB	OIP5-AS1	0.54288	1.37E-39	postive
NENF	OIP5-AS1	-0.51835	1.17E-35	negative
RABEP1	OIP5-AS1	0.51759	1.52E-35	postive
RABEP2	OIP5-AS1	-0.52343	1.89E-36	negative
ACVR2B	OIP5-AS1	0.52041	5.60E-36	postive
BMPR2	OIP5-AS1	0.72839	1.20E-83	postive
CRIM1	OIP5-AS1	0.51007	2.10E-34	postive
IGF2R	OIP5-AS1	0.59023	3.62E-48	postive
NR1D2	OIP5-AS1	0.59509	3.97E-49	postive
NR1H2	OIP5-AS1	-0.50536	1.05E-33	negative
NR2C2	OIP5-AS1	0.64725	1.42E-60	postive
NR2F6	OIP5-AS1	-0.59224	1.46E-48	negative
NR3C1	OIP5-AS1	0.52829	3.26E-37	postive
OGFR	OIP5-AS1	-0.50627	7.71E-34	negative
PPARA	OIP5-AS1	0.7003	8.91E-75	postive
PTPN11	OIP5-AS1	0.70029	8.97E-75	postive
SOS1	OIP5-AS1	0.60394	6.36E-51	postive
SOS2	OIP5-AS1	0.76891	1.33E-98	postive
PAK2	OIP5-AS1	0.58369	6.75E-47	postive
CBLB	OIP5-AS1	0.51608	2.60E-35	postive
LEAP2	AC11028	0.50456	1.38E-33	postive
LCN12	AC11028	0.63967	8.99E-59	postive
LMBR1L	AC11028	0.54251	1.57E-39	postive
C8G	AC11028	0.52126	4.14E-36	postive
LTB4R	AC11028	0.50543	1.03E-33	postive
AGER	AC11028	0.62756	5.35E-56	postive
PSMC5	SNHG19	0.50567	9.46E-34	postive
PSMD4	SNHG19	0.52312	2.12E-36	postive
PSMD13	SNHG19	0.56323	4.16E-43	postive
AP3B1	SNHG19	-0.51196	1.09E-34	negative
RFXANK	SNHG19	0.68077	3.38E-69	postive
UBXN1	SNHG19	0.59164	1.92E-48	postive
UBR1	SNHG19	-0.53136	1.05E-37	negative
MAPK1	SNHG19	-0.51365	6.07E-35	negative
JAK1	SNHG19	-0.5232	2.06E-36	negative
MAP2K2	SNHG19	0.63476	1.24E-57	postive
HRAS	SNHG19	0.57044	2.05E-44	postive
MYDGF	SNHG19	0.50006	6.26E-33	postive
CD320	SNHG19	0.51627	2.43E-35	postive
IL6ST	SNHG19	-0.51631	2.39E-35	negative
UCN	SNHG19	0.53768	9.88E-39	postive
NR2F6	SNHG19	0.62041	2.05E-54	postive
PTPN11	SNHG19	-0.52413	1.47E-36	negative
AP3B1	AC10369	-0.50227	2.98E-33	negative

RFXANK	AC10369	0.66008	9.61E-64	postive
UBXN1	AC10369	0.50517	1.12E-33	postive
S100A13	AC10369	0.50876	3.29E-34	postive
IRF3	AC10369	0.52511	1.03E-36	postive
MAPK1	AC10369	-0.53324	5.22E-38	negative
BECN1	AC10369	-0.53519	2.52E-38	negative
MAP2K2	AC10369	0.52328	2.00E-36	postive
AGER	AC10369	0.54448	7.36E-40	postive
HRAS	AC10369	0.57652	1.54E-45	postive
UCN	AC10369	0.59148	2.06E-48	postive
NR2F6	AC10369	0.53358	4.61E-38	postive
PTPN11	AC10369	-0.52277	2.41E-36	negative
CREB1	AC07304	0.63285	3.40E-57	postive
ECPAS	AC07304	0.54185	2.03E-39	postive
UBR1	AC07304	0.54667	3.15E-40	postive
MAVS	AC07304	0.55308	2.52E-41	postive
ZC3HAV1	AC07304	0.53612	1.78E-38	postive
EIF2AK2	AC07304	0.57931	4.60E-46	postive
MAPK8	AC07304	0.54286	1.37E-39	postive
LMBR1	AC07304	0.5386	6.98E-39	postive
SP1	AC07304	0.60435	5.23E-51	postive
IREB2	AC07304	0.62645	9.50E-56	postive
PTK2	AC07304	0.54127	2.53E-39	postive
GSK3B	AC07304	0.64246	1.98E-59	postive
CMTM4	AC07304	0.51748	1.58E-35	postive
ACVR2B	AC07304	0.61073	2.45E-52	postive
BMPR2	AC07304	0.53342	4.89E-38	postive
IGF1R	AC07304	0.52749	4.36E-37	postive
IGF2R	AC07304	0.54234	1.68E-39	postive
NR2C2	AC07304	0.64185	2.75E-59	postive
PPARA	AC07304	0.61783	7.43E-54	postive
SOS1	AC07304	0.52336	1.95E-36	postive
SOS2	AC07304	0.53372	4.37E-38	postive
CBLB	AC07304	0.51544	3.25E-35	postive
NFAT5	ACTA2-A	0.58247	1.15E-46	postive
PRKCB	ACTA2-A	0.62918	2.31E-56	postive
SLIT2	ACTA2-A	0.54488	6.31E-40	postive
EDNRA	ACTA2-A	0.53558	2.18E-38	postive
ANGPTL1	ACTA2-A	0.55677	5.76E-42	postive
PGR	ACTA2-A	0.67922	8.95E-69	postive
RORA	ACTA2-A	0.65394	3.30E-62	postive
TGFBR3	ACTA2-A	0.55114	5.45E-41	postive
PRKCA	ACTA2-A	0.64874	6.20E-61	postive
S100A14	LINC0009	0.54804	1.84E-40	postive
S100A16	LINC0009	0.52017	6.11E-36	postive
SLC22A1	LINC0009	0.56867	4.33E-44	postive
DUOX1	LINC0009	0.60395	6.33E-51	postive
APOBEC	LINC0009	0.68333	6.63E-70	postive
CTF1	LINC0009	0.60795	9.40E-52	postive
NRG2	LINC0009	0.5384	7.54E-39	postive
NTF4	LINC0009	0.5726	8.23E-45	postive
PSMD13	AC00644	0.53082	1.28E-37	postive
RFXANK	AC00644	0.56706	8.50E-44	postive
UBXN1	AC00644	0.52716	4.91E-37	postive
MAP2K2	AC00644	0.52435	1.36E-36	postive
HRAS	AC00644	0.50372	1.83E-33	postive

IL6ST	AC006449	-0.5069	6.23E-34	negative
UCN	AC006449	0.54331	1.15E-39	postive
NR2F6	AC006449	0.52858	2.92E-37	postive
PTPN11	AC006449	-0.55022	7.85E-41	negative
S100A6	SNHG18	0.54242	1.63E-39	postive
S100A14	SNHG18	0.57144	1.35E-44	postive
S100A16	SNHG18	0.58716	1.44E-47	postive
SLC22A1	SNHG18	0.62186	9.85E-55	postive
WFDC2	SNHG18	0.58867	7.34E-48	postive
DUOX1	SNHG18	0.56771	6.49E-44	postive
CSRP1	SNHG18	0.5572	4.86E-42	postive
ROBO3	SNHG18	0.51517	3.58E-35	postive
APOBEC	SNHG18	0.63866	1.55E-58	postive
ANXA6	SNHG18	0.50568	9.43E-34	postive
CTF1	SNHG18	0.70708	8.02E-77	postive
FLT3LG	SNHG18	0.50075	4.96E-33	postive
NRG2	SNHG18	0.62114	1.41E-54	postive
NRTN	SNHG18	0.53236	7.25E-38	postive
NTF4	SNHG18	0.64838	7.57E-61	postive
FCGRT	LINC0229	0.51967	7.28E-36	postive
S100A14	LINC0229	0.50794	4.37E-34	postive
S100A16	LINC0229	0.50762	4.87E-34	postive
ROBO3	LINC0229	0.53965	4.69E-39	postive
CTF1	LINC0229	0.52437	1.35E-36	postive
JAG2	LINC0229	0.58313	8.63E-47	postive
NTF4	LINC0229	0.64798	9.47E-61	postive
ZC3HAV1AL731571		0.51996	6.58E-36	postive
DDX17	AL731571	0.68001	5.44E-69	postive
NFAT5	AL731571	0.50553	9.91E-34	postive
NR2C2	AL731571	0.55905	2.30E-42	postive
RORA	AL731571	0.55705	5.16E-42	postive
HDAC1	AC090159	0.50333	2.09E-33	postive
LCN12	DM1-AS	0.566	1.32E-43	postive
NFAT5	CARMN	0.61692	1.17E-53	postive
RORA	CARMN	0.6975	5.97E-74	postive
PRKCA	CARMN	0.55161	4.53E-41	postive
CMTM4	AC141930	0.52057	5.29E-36	postive
ZC3HAV1SNHG16		0.51164	1.22E-34	postive
ZC3HAV1SNHG16		0.58051	2.72E-46	postive
SP1	SNHG16	0.54887	1.33E-40	postive
ACVR2B	SNHG16	0.5973	1.43E-49	postive
CBL	SNHG16	0.51127	1.39E-34	postive
LEAP2	LINC0017	0.56751	7.05E-44	postive
LMBR1L	LINC0017	0.55771	3.96E-42	postive
TYK2	LINC0017	0.51986	6.81E-36	postive
LTB4R	LINC0017	0.511	1.53E-34	postive
AGER	LINC0017	0.53491	2.80E-38	postive
EPOR	LINC0017	0.54302	1.29E-39	postive
LEAP2	AC015849	0.52599	7.52E-37	postive
ZC3HAV1AC015849		0.52695	5.31E-37	postive
ZC3HAV1AC015849		0.60367	7.25E-51	postive
SP1	AC015849	0.55258	3.08E-41	postive
DDX17	AC015849	0.75878	1.38E-94	postive
NFAT5	AC015849	0.69624	1.41E-73	postive
NFATC3	AC015849	0.5188	9.94E-36	postive
CRLF3	AC015849	0.57471	3.35E-45	postive

NR2C2	AC015841	0.71837	2.34E-80	postive
RORA	AC015841	0.69797	4.36E-74	postive
SOS1	AC015841	0.58399	5.91E-47	postive
CBL	AC015841	0.59126	2.28E-48	postive
CBLB	AC015841	0.51882	9.86E-36	postive
UCN	AGBL5-IT	0.52179	3.43E-36	postive
MX2	AC087501	0.52922	2.31E-37	postive
IL7R	AC087501	0.61853	5.26E-54	postive
SERPINA	AC087501	0.51863	1.06E-35	postive
NFAT5	AC087501	0.55302	2.59E-41	postive
ELAVL1	AC125251	0.5149	3.93E-35	postive
LEAP2	AC002551	0.56527	1.79E-43	postive
AGER	AC002551	0.59439	5.46E-49	postive
NFAT5	AC009941	0.62888	2.70E-56	postive
RORA	AC009941	0.67712	3.33E-68	postive
CSRP1	ADAMTS1	0.75529	2.98E-93	postive
ILK	ADAMTS1	0.50825	3.93E-34	postive
ANXA6	ADAMTS1	0.51369	6.00E-35	postive
NFATC4	ADAMTS1	0.50606	8.30E-34	postive
PRKCB	ADAMTS1	0.57489	3.10E-45	postive
FGF10	ADAMTS1	0.57149	1.32E-44	postive
EDNRA	ADAMTS1	0.58888	6.67E-48	postive
CTF1	ADAMTS1	0.53701	1.28E-38	postive
NRG2	ADAMTS1	0.54804	1.84E-40	postive
OGN	ADAMTS1	0.58852	7.83E-48	postive
ANGPT1	ADAMTS1	0.67956	7.22E-69	postive
ANGPTL1	ADAMTS1	0.72303	7.21E-82	postive
FGFR1	ADAMTS1	0.53957	4.84E-39	postive
PGR	ADAMTS1	0.62298	5.59E-55	postive
TGFBR3	ADAMTS1	0.55846	2.92E-42	postive
PRKCA	ADAMTS1	0.54118	2.06E-39	postive
RAC3	LINC0096	0.52032	5.78E-36	postive
B2M	HCP5	0.83584	#####	postive
CD1D	HCP5	0.51314	7.26E-35	postive
CD1E	HCP5	0.59092	2.65E-48	postive
CD4	HCP5	0.55739	4.49E-42	postive
CD8A	HCP5	0.50604	8.36E-34	postive
CD74	HCP5	0.64248	1.95E-59	postive
CTSS	HCP5	0.57978	3.75E-46	postive
HLA-A	HCP5	0.73299	3.32E-85	postive
HLA-B	HCP5	0.83909	#####	postive
HLA-C	HCP5	0.7236	4.68E-82	postive
HLA-DMA	HCP5	0.54569	4.60E-40	postive
HLA-DQA	HCP5	0.60261	1.20E-50	postive
HLA-DOB	HCP5	0.51481	4.05E-35	postive
HLA-DPA	HCP5	0.52534	9.51E-37	postive
HLA-DPB	HCP5	0.54922	1.16E-40	postive
HLA-DQA	HCP5	0.52856	2.94E-37	postive
HLA-DRA	HCP5	0.5668	9.46E-44	postive
HLA-DRB	HCP5	0.55249	3.20E-41	postive
HLA-E	HCP5	0.8132	#####	postive
HLA-F	HCP5	0.82514	#####	postive
HLA-G	HCP5	0.64447	6.57E-60	postive
HLA-H	HCP5	0.75108	1.15E-91	postive
CIITA	HCP5	0.58285	9.76E-47	postive
PSMB8	HCP5	0.74395	4.70E-89	postive

TAP1	HCP5	0.82269	#####	postive
TAP2	HCP5	0.72672	4.36E-83	postive
TAPBP	HCP5	0.51443	4.62E-35	postive
ERAP1	HCP5	0.53064	1.37E-37	postive
TAPBPL	HCP5	0.50303	2.31E-33	postive
CXCL10	HCP5	0.61	3.48E-52	postive
CXCL9	HCP5	0.57389	4.76E-45	postive
CXCL11	HCP5	0.53396	4.00E-38	postive
APOBEC	HCP5	0.55187	4.09E-41	postive
CYBB	HCP5	0.50141	3.99E-33	postive
IDO1	HCP5	0.58563	2.85E-47	postive
STAT1	HCP5	0.63938	1.05E-58	postive
TRIM22	HCP5	0.63566	7.70E-58	postive
PLSCR1	HCP5	0.53237	7.22E-38	postive
GBP2	HCP5	0.51114	1.45E-34	postive
CCR7	HCP5	0.51478	4.09E-35	postive
CCR5	HCP5	0.5831	8.75E-47	postive
CXCR6	HCP5	0.52872	2.78E-37	postive
HCK	HCP5	0.54177	2.09E-39	postive
VAV1	HCP5	0.54712	2.64E-40	postive
RAC2	HCP5	0.53211	7.95E-38	postive
CARD11	HCP5	0.5357	2.08E-38	postive
PIK3CD	HCP5	0.55328	2.33E-41	postive
INPP5D	HCP5	0.5077	4.74E-34	postive
TYMP	HCP5	0.51274	8.34E-35	postive
CXCR3	HCP5	0.5124	9.39E-35	postive
PTAFR	HCP5	0.55514	1.11E-41	postive
EBI3	HCP5	0.52537	9.42E-37	postive
IL16	HCP5	0.52755	4.26E-37	postive
TNFSF13	HCP5	0.50003	6.33E-33	postive
CSF2RA	HCP5	0.52216	2.99E-36	postive
CSF2RB	HCP5	0.50642	7.33E-34	postive
IL10RA	HCP5	0.56635	1.14E-43	postive
IL2RB	HCP5	0.59967	4.76E-50	postive
IL2RG	HCP5	0.52819	3.38E-37	postive
TNFRSF1	HCP5	0.51329	6.89E-35	postive
ITGAL	HCP5	0.59406	6.37E-49	postive
ITGB2	HCP5	0.55467	1.34E-41	postive
LCK	HCP5	0.59075	2.87E-48	postive
CD247	HCP5	0.56314	4.32E-43	postive
LCP2	HCP5	0.52561	8.62E-37	postive
CD48	HCP5	0.51384	5.69E-35	postive
PRF1	HCP5	0.57573	2.16E-45	postive
CD3E	HCP5	0.54515	5.69E-40	postive
CD3G	HCP5	0.62634	1.01E-55	postive
PTPRC	HCP5	0.5517	4.37E-41	postive
TRAC	HCP5	0.52821	3.35E-37	postive
TRBJ2-7	HCP5	0.51283	8.08E-35	postive
TRBV19	HCP5	0.50393	1.71E-33	postive
TRBV20-	HCP5	0.53297	5.78E-38	postive
TRBV29-	HCP5	0.53735	1.12E-38	postive
MALT1	RMST	0.56377	3.32E-43	postive
AKT3	RMST	0.59656	2.01E-49	postive
NPR3	RMST	0.52997	1.75E-37	postive
CBL	RMST	0.55931	2.06E-42	postive
ZC3HAV1AC01571		0.55463	1.36E-41	postive

ZC3HAV1	AC01571	0.61181	1.45E-52	postive
IL7R	AC01571	0.54845	1.57E-40	postive
DDX17	AC01571	0.65072	2.04E-61	postive
NFAT5	AC01571	0.76782	3.65E-98	postive
NFATC3	AC01571	0.58	3.40E-46	postive
AKT3	AC01571	0.55805	3.44E-42	postive
NR2C2	AC01571	0.5452	5.56E-40	postive
RORA	AC01571	0.77605	#####	postive
SOS1	AC01571	0.61377	5.53E-53	postive
CBL	AC01571	0.61826	6.02E-54	postive
IGHV4-31	AL035701	0.76347	2.01E-96	postive
IGHV5-51	AL035701	0.73767	7.95E-87	postive
IGKV4-1	AL035701	0.64294	1.53E-59	postive
INSL5	AL035701	0.74977	3.53E-91	postive
AZGP1	AC02764	0.55809	3.39E-42	postive
CREB1	AC02764	-0.54268	1.47E-39	negative
PSMC3	AC02764	0.5757	2.19E-45	postive
PSMC5	AC02764	0.57294	7.12E-45	postive
PSMD4	AC02764	0.57781	8.82E-46	postive
SEM1	AC02764	0.64615	2.61E-60	postive
AP3B1	AC02764	-0.51929	8.35E-36	negative
RFXANK	AC02764	0.72812	1.49E-83	postive
UBXN1	AC02764	0.57645	1.58E-45	postive
UBR1	AC02764	-0.56448	2.48E-43	negative
S100A13	AC02764	0.60143	2.08E-50	postive
MAPK1	AC02764	-0.55971	1.75E-42	negative
SP1	AC02764	-0.53437	3.43E-38	negative
BECN1	AC02764	-0.55287	2.75E-41	negative
IREB2	AC02764	-0.58328	8.07E-47	negative
SYTL1	AC02764	0.52173	3.50E-36	postive
MAP2K2	AC02764	0.66879	5.48E-66	postive
LANCL1	AC02764	-0.54392	9.14E-40	negative
PPP4C	AC02764	0.51618	2.51E-35	postive
HRAS	AC02764	0.69327	1.02E-72	postive
CHUK	AC02764	-0.50177	3.53E-33	negative
MYDGF	AC02764	0.53631	1.66E-38	postive
CD320	AC02764	0.54365	1.01E-39	postive
CLEC11A	AC02764	0.51221	1.00E-34	postive
NENF	AC02764	0.67247	5.90E-67	postive
UCN	AC02764	0.51985	6.84E-36	postive
ACVR1B	AC02764	-0.52998	1.75E-37	negative
BMPR2	AC02764	-0.50974	2.36E-34	negative
IGF2R	AC02764	-0.54426	8.02E-40	negative
NR2C2	AC02764	-0.53869	6.76E-39	negative
NR2F6	AC02764	0.60766	1.08E-51	postive
PPARA	AC02764	-0.51096	1.54E-34	negative
PTPN11	AC02764	-0.59931	5.61E-50	negative
SOS2	AC02764	-0.579	5.26E-46	negative
S100A6	AL136084	0.50937	2.67E-34	postive
TINAGL1	AL136084	0.64017	6.86E-59	postive
A2M	AL136084	0.5951	3.94E-49	postive
ZYX	AL136084	0.54982	9.16E-41	postive
ELN	AL136084	0.55665	6.06E-42	postive
CSRP1	AL136084	0.53789	9.14E-39	postive
TPM2	AL136084	0.51172	1.19E-34	postive
DES	AL136084	0.54594	4.19E-40	postive

ILK	AL13608 ⁴	0.55015	8.05E-41	postive
MASP1	AL13608 ⁴	0.57534	2.56E-45	postive
PDGFRB	AL13608 ⁴	0.63362	2.26E-57	postive
ANXA6	AL13608 ⁴	0.70813	3.82E-77	postive
VIM	AL13608 ⁴	0.57915	4.93E-46	postive
LTBP1	AL13608 ⁴	0.59185	1.74E-48	postive
NFATC4	AL13608 ⁴	0.5137	5.96E-35	postive
CMKLR1	AL13608 ⁴	0.50796	4.34E-34	postive
EDNRA	AL13608 ⁴	0.60351	7.81E-51	postive
PLXND1	AL13608 ⁴	0.64374	9.84E-60	postive
BMP1	AL13608 ⁴	0.56821	5.25E-44	postive
BMP4	AL13608 ⁴	0.56843	4.80E-44	postive
IL33	AL13608 ⁴	0.58391	6.12E-47	postive
IL34	AL13608 ⁴	0.50332	2.10E-33	postive
LTBP4	AL13608 ⁴	0.60103	2.52E-50	postive
NDP	AL13608 ⁴	0.56521	1.83E-43	postive
OGN	AL13608 ⁴	0.53457	3.19E-38	postive
PDGFC	AL13608 ⁴	0.5699	2.59E-44	postive
TSLP	AL13608 ⁴	0.54465	6.91E-40	postive
ACVRL1	AL13608 ⁴	0.68363	5.48E-70	postive
CRIM1	AL13608 ⁴	0.50481	1.27E-33	postive
ENG	AL13608 ⁴	0.51399	5.40E-35	postive
FGFR1	AL13608 ⁴	0.66897	4.93E-66	postive
FLT4	AL13608 ⁴	0.50595	8.62E-34	postive
KDR	AL13608 ⁴	0.52745	4.42E-37	postive
NR2F1	AL13608 ⁴	0.51526	3.47E-35	postive
NRP2	AL13608 ⁴	0.55503	1.16E-41	postive
PGR	AL13608 ⁴	0.52104	4.48E-36	postive
PTGER2	AL13608 ⁴	0.60604	2.34E-51	postive
PTH1R	AL13608 ⁴	0.602	1.59E-50	postive
S1PR1	AL13608 ⁴	0.5131	7.36E-35	postive
SDC3	AL13608 ⁴	0.64619	2.54E-60	postive
TEK	AL13608 ⁴	0.54682	2.97E-40	postive
TGFBR2	AL13608 ⁴	0.58727	1.37E-47	postive
TGFBR3	AL13608 ⁴	0.59255	1.27E-48	postive
TIE1	AL13608 ⁴	0.60385	6.63E-51	postive
SYTL1	AL44199 ²	0.50068	5.09E-33	postive
MYDGF	AL44199 ²	0.57457	3.56E-45	postive
RABEP2	AL44199 ²	0.54088	2.94E-39	postive
LEAP2	LINC0085	0.52159	3.67E-36	postive
IL7R	LINC0085	0.63877	1.46E-58	postive
SERPINA	LINC0085	0.50881	3.24E-34	postive
NFAT5	LINC0085	0.6982	3.72E-74	postive
RORA	LINC0085	0.71221	2.09E-78	postive
LCP2	LINC0085	0.51005	2.12E-34	postive
SOS1	LINC0085	0.54138	2.42E-39	postive
CBL	LINC0085	0.54242	1.63E-39	postive
LEAP2	FAM13A-	0.54195	1.95E-39	postive
LEAP2	AC00912 ¹	0.51312	7.30E-35	postive
ZC3HAV1	AC00912 ¹	0.58938	5.34E-48	postive
CYLD	AC00912 ¹	0.50464	1.34E-33	postive
TCF7L2	AC00912 ¹	0.50123	4.22E-33	postive
IL7R	AC00912 ¹	0.5235	1.85E-36	postive
DDX17	AC00912 ¹	0.6925	1.70E-72	postive
JAK2	AC00912 ¹	0.50355	1.94E-33	postive
NFAT5	AC00912 ¹	0.80526	#####	postive

NFATC3	AC00912	0.61634	1.56E-53	positive
SLIT2	AC00912	0.53309	5.53E-38	positive
PLXNC1	AC00912	0.51848	1.11E-35	positive
CRLF3	AC00912	0.53797	8.87E-39	positive
NR2C2	AC00912	0.63803	2.17E-58	positive
RORA	AC00912	0.79598	#####	positive
SOS1	AC00912	0.616	1.84E-53	positive
PRKCA	AC00912	0.57062	1.91E-44	positive
CBL	AC00912	0.58567	2.81E-47	positive
B2M	USP30-A	0.54325	1.18E-39	positive
CD1C	USP30-A	0.54687	2.91E-40	positive
CD1D	USP30-A	0.64034	6.27E-59	positive
CD1E	USP30-A	0.58866	7.35E-48	positive
CD4	USP30-A	0.67173	9.22E-67	positive
CD8A	USP30-A	0.61411	4.70E-53	positive
CD74	USP30-A	0.69623	1.41E-73	positive
CTSS	USP30-A	0.60937	4.74E-52	positive
FCER1G	USP30-A	0.58987	4.27E-48	positive
HLA-A	USP30-A	0.55036	7.42E-41	positive
HLA-B	USP30-A	0.57778	8.93E-46	positive
HLA-DMA	USP30-A	0.66659	2.05E-65	positive
HLA-DQA	USP30-A	0.6293	2.18E-56	positive
HLA-DOB	USP30-A	0.66868	5.86E-66	positive
HLA-DPA	USP30-A	0.56958	2.96E-44	positive
HLA-DPB	USP30-A	0.69305	1.18E-72	positive
HLA-DQA	USP30-A	0.63196	5.43E-57	positive
HLA-DQB	USP30-A	0.52482	1.15E-36	positive
HLA-DRA	USP30-A	0.61634	1.56E-53	positive
HLA-DRB	USP30-A	0.6607	6.67E-64	positive
HLA-E	USP30-A	0.69513	2.95E-73	positive
HLA-F	USP30-A	0.71158	3.29E-78	positive
CIITA	USP30-A	0.75584	1.84E-93	positive
PSMB8	USP30-A	0.55509	1.13E-41	positive
TAP1	USP30-A	0.57706	1.22E-45	positive
TAP2	USP30-A	0.75979	5.58E-95	positive
CXCL10	USP30-A	0.60415	5.76E-51	positive
CXCL9	USP30-A	0.55084	6.14E-41	positive
APOBEC	USP30-A	0.59243	1.34E-48	positive
TLR2	USP30-A	0.5628	4.95E-43	positive
CYBB	USP30-A	0.60329	8.66E-51	positive
IDO1	USP30-A	0.65167	1.19E-61	positive
STAT1	USP30-A	0.51181	1.15E-34	positive
PLAAT4	USP30-A	0.5083	3.86E-34	positive
CD40	USP30-A	0.51504	3.73E-35	positive
IKBKE	USP30-A	0.51818	1.24E-35	positive
TNFAIP3	USP30-A	0.51583	2.83E-35	positive
CCL5	USP30-A	0.62986	1.63E-56	positive
GNLY	USP30-A	0.50292	2.40E-33	positive
TLR1	USP30-A	0.53013	1.65E-37	positive
IL18	USP30-A	0.62973	1.74E-56	positive
IL7R	USP30-A	0.65934	1.47E-63	positive
TRIM22	USP30-A	0.65085	1.90E-61	positive
PDCD1	USP30-A	0.58094	2.26E-46	positive
GBP2	USP30-A	0.65763	3.98E-63	positive
CCL19	USP30-A	0.59301	1.03E-48	positive
CCL17	USP30-A	0.50043	5.53E-33	positive

CCL22	USP30-A	0.6481	8.84E-61	positive
CCR7	USP30-A	0.70679	9.88E-77	positive
CCR5	USP30-A	0.69819	3.75E-74	positive
CCR1	USP30-A	0.54881	1.37E-40	positive
CXCR4	USP30-A	0.64522	4.36E-60	positive
CXCR6	USP30-A	0.77514	#####	positive
FGR	USP30-A	0.53028	1.56E-37	positive
CD86	USP30-A	0.6296	1.87E-56	positive
HCK	USP30-A	0.62833	3.61E-56	positive
CD79A	USP30-A	0.52365	1.76E-36	positive
CD79B	USP30-A	0.51681	2.01E-35	positive
BTK	USP30-A	0.64195	2.61E-59	positive
VAV1	USP30-A	0.65858	2.30E-63	positive
RAC2	USP30-A	0.66093	5.85E-64	positive
CARD11	USP30-A	0.61892	4.31E-54	positive
PIK3R5	USP30-A	0.57998	3.44E-46	positive
PIK3CD	USP30-A	0.67661	4.58E-68	positive
INPP5D	USP30-A	0.64222	2.25E-59	positive
CD72	USP30-A	0.66213	2.89E-64	positive
PLCG2	USP30-A	0.58091	2.29E-46	positive
IGHJ2	USP30-A	0.53172	9.20E-38	positive
IGKC	USP30-A	0.52121	4.20E-36	positive
IGKJ5	USP30-A	0.5522	3.58E-41	positive
IGKV1-16	USP30-A	0.50088	4.76E-33	positive
IGKV2-30	USP30-A	0.52247	2.68E-36	positive
IGLC2	USP30-A	0.50055	5.31E-33	positive
C3	USP30-A	0.51033	1.92E-34	positive
SEMA7A	USP30-A	0.56246	5.70E-43	positive
TYMP	USP30-A	0.68774	3.87E-71	positive
CMKLR1	USP30-A	0.50563	9.61E-34	positive
CXCR3	USP30-A	0.62185	9.89E-55	positive
PLXNC1	USP30-A	0.58947	5.11E-48	positive
PTAFR	USP30-A	0.62979	1.69E-56	positive
EBI3	USP30-A	0.64272	1.72E-59	positive
FLT3LG	USP30-A	0.56328	4.07E-43	positive
GMFG	USP30-A	0.60764	1.09E-51	positive
IL16	USP30-A	0.69467	4.00E-73	positive
IL24	USP30-A	0.70699	8.58E-77	positive
IL32	USP30-A	0.55206	3.79E-41	positive
LTB	USP30-A	0.64235	2.10E-59	positive
TNFSF13	USP30-A	0.63495	1.12E-57	positive
CSF2RA	USP30-A	0.69999	1.10E-74	positive
CSF2RB	USP30-A	0.59558	3.16E-49	positive
CSF3R	USP30-A	0.50553	9.91E-34	positive
IL10RA	USP30-A	0.71204	2.36E-78	positive
IL15RA	USP30-A	0.50594	8.64E-34	positive
IL2RB	USP30-A	0.66794	9.14E-66	positive
IL18R1	USP30-A	0.50401	1.66E-33	positive
IL27RA	USP30-A	0.5596	1.83E-42	positive
IL2RG	USP30-A	0.70452	4.82E-76	positive
TNFRSF1	USP30-A	0.61486	3.24E-53	positive
TNFRSF2	USP30-A	0.64515	4.54E-60	positive
TNFRSF4	USP30-A	0.57395	4.64E-45	positive
ITGAL	USP30-A	0.70788	4.58E-77	positive
ITGB2	USP30-A	0.61545	2.42E-53	positive
TYROBP	USP30-A	0.52234	2.80E-36	positive

LCK	USP30-A	0.67954	7.33E-69	positive
CD247	USP30-A	0.73404	1.45E-85	positive
ZAP70	USP30-A	0.59613	2.45E-49	positive
LCP2	USP30-A	0.71354	7.99E-79	positive
FYN	USP30-A	0.60228	1.39E-50	positive
HCST	USP30-A	0.58341	7.64E-47	positive
CD48	USP30-A	0.71116	4.43E-78	positive
GZMB	USP30-A	0.59537	3.49E-49	positive
PRF1	USP30-A	0.67503	1.22E-67	positive
CD3D	USP30-A	0.6792	9.05E-69	positive
CD3E	USP30-A	0.71737	4.87E-80	positive
CD3G	USP30-A	0.72846	1.14E-83	positive
PTPRC	USP30-A	0.67669	4.34E-68	positive
CD28	USP30-A	0.53334	5.04E-38	positive
MAP3K8	USP30-A	0.50341	2.03E-33	positive
CTLA4	USP30-A	0.54052	3.37E-39	positive
TRAC	USP30-A	0.70985	1.13E-77	positive
TRBC2	USP30-A	0.5735	5.61E-45	positive
TRBJ2-7	USP30-A	0.5305	1.45E-37	positive
TRBV7-9	USP30-A	0.57202	1.05E-44	positive
TRBV19	USP30-A	0.65196	1.02E-61	positive
TRBV20-	USP30-A	0.63568	7.62E-58	positive
TRBV28	USP30-A	0.60845	7.38E-52	positive
TRBV29-	USP30-A	0.64633	2.36E-60	positive
NR2F6	AC11640	0.50331	2.11E-33	positive
CD1D	AC09327	0.58894	6.50E-48	positive
CD4	AC09327	0.55317	2.44E-41	positive
CD74	AC09327	0.53239	7.16E-38	positive
CTSS	AC09327	0.53709	1.23E-38	positive
FCER1G	AC09327	0.50657	6.97E-34	positive
HLA-DOAA	AC09327	0.57389	4.75E-45	positive
HLA-DPA	AC09327	0.55125	5.21E-41	positive
HLA-DQAA	AC09327	0.52317	2.08E-36	positive
CIITA	AC09327	0.53404	3.88E-38	positive
TGFB1	AC09327	0.53997	4.15E-39	positive
TLR2	AC09327	0.58222	1.29E-46	positive
CYBB	AC09327	0.52135	4.00E-36	positive
CD40	AC09327	0.51742	1.62E-35	positive
TLR1	AC09327	0.51408	5.22E-35	positive
STING1	AC09327	0.53021	1.60E-37	positive
JAK1	AC09327	0.56098	1.04E-42	positive
TRIM22	AC09327	0.53882	6.43E-39	positive
PDGFRB	AC09327	0.57006	2.42E-44	positive
VIM	AC09327	0.53722	1.18E-38	positive
GBP2	AC09327	0.52639	6.51E-37	positive
CCR1	AC09327	0.51816	1.25E-35	positive
FGR	AC09327	0.63059	1.11E-56	positive
JAK2	AC09327	0.54425	8.03E-40	positive
HCK	AC09327	0.53383	4.19E-38	positive
BTK	AC09327	0.56665	1.01E-43	positive
PIK3R5	AC09327	0.54669	3.13E-40	positive
PIK3CD	AC09327	0.54037	3.56E-39	positive
INPP5D	AC09327	0.61932	3.53E-54	positive
PLCG2	AC09327	0.62649	9.30E-56	positive
PRKCB	AC09327	0.52149	3.81E-36	positive
CMKLR1	AC09327	0.64594	2.92E-60	positive

EDNRA	AC093271	0.51449	4.54E-35	postive
PLXNC1	AC093271	0.58807	9.59E-48	postive
PLXND1	AC093271	0.73389	1.63E-85	postive
PTAFR	AC093271	0.55239	3.32E-41	postive
BMP1	AC093271	0.5103	1.94E-34	postive
CSF1	AC093271	0.60659	1.80E-51	postive
IL16	AC093271	0.53216	7.81E-38	postive
IL33	AC093271	0.66162	3.91E-64	postive
PDGFD	AC093271	0.60156	1.96E-50	postive
ACVRL1	AC093271	0.66522	4.64E-65	postive
C3AR1	AC093271	0.55513	1.12E-41	postive
CALCRL	AC093271	0.68906	1.63E-71	postive
CRIM1	AC093271	0.53631	1.66E-38	postive
CSF1R	AC093271	0.59405	6.40E-49	postive
CSF2RA	AC093271	0.5749	3.08E-45	postive
CSF2RB	AC093271	0.51045	1.84E-34	postive
CSF3R	AC093271	0.52167	3.57E-36	postive
ENG	AC093271	0.53486	2.85E-38	postive
FLT1	AC093271	0.55945	1.95E-42	postive
FLT4	AC093271	0.66998	2.68E-66	postive
IL10RA	AC093271	0.54381	9.53E-40	postive
IL18R1	AC093271	0.561	1.03E-42	postive
IL27RA	AC093271	0.53304	5.64E-38	postive
KDR	AC093271	0.70904	2.01E-77	postive
LEPR	AC093271	0.607	1.48E-51	postive
RARB	AC093271	0.57114	1.53E-44	postive
S1PR1	AC093271	0.72715	3.13E-83	postive
TEK	AC093271	0.74971	3.70E-91	postive
TGFBR2	AC093271	0.76411	1.13E-96	postive
TGFBR3	AC093271	0.5871	1.48E-47	postive
TIE1	AC093271	0.7286	1.02E-83	postive
TNFRSF1A	AC093271	0.54683	2.95E-40	postive
ICAM2	AC093271	0.66257	2.23E-64	postive
ITGAL	AC093271	0.50181	3.49E-33	postive
ITGB2	AC093271	0.52394	1.58E-36	postive
LCP2	AC093271	0.62037	2.09E-54	postive
FYN	AC093271	0.71279	1.37E-78	postive
PRF1	AC093271	0.50454	1.39E-33	postive
CD3G	AC093271	0.51013	2.06E-34	postive
PTPRC	AC093271	0.53092	1.24E-37	postive
LEAP2	AC010881	0.59693	1.70E-49	postive
LCN12	AC010881	0.52608	7.29E-37	postive
LMBR1L	AC010881	0.61586	1.98E-53	postive
IRF3	AC010881	0.55969	1.77E-42	postive
C8G	AC010881	0.52386	1.63E-36	postive
LTB4R	AC010881	0.5968	1.80E-49	postive
AGER	AC010881	0.66559	3.72E-65	postive
UCN	AC010881	0.54296	1.32E-39	postive
MC1R	AC010881	0.52057	5.29E-36	postive
LMBR1L	AC010801	0.51297	7.71E-35	postive
AGER	AC010801	0.51417	5.08E-35	postive
LEAP2	CR936211	0.52465	1.22E-36	postive
ZC3HAV1	CR936211	0.53166	9.39E-38	postive
ZC3HAV1	CR936211	0.63793	2.29E-58	postive
SP1	CR936211	0.5356	2.17E-38	postive
IL7R	CR936211	0.52368	1.73E-36	postive

DDX17	CR93621	0.68162	1.97E-69	postive
NFAT5	CR93621	0.78883	#####	postive
NFATC3	CR93621	0.60971	4.00E-52	postive
AKT3	CR93621	0.57026	2.22E-44	postive
SLIT2	CR93621	0.52616	7.06E-37	postive
PLXNC1	CR93621	0.52629	6.73E-37	postive
CRLF3	CR93621	0.57586	2.04E-45	postive
NR2C2	CR93621	0.62861	3.11E-56	postive
RORA	CR93621	0.85658	#####	postive
SOS1	CR93621	0.63068	1.06E-56	postive
PRKCA	CR93621	0.54785	1.99E-40	postive
CBL	CR93621	0.68141	2.25E-69	postive
LEAP2	MED8-AS	0.67711	3.34E-68	postive
DDX17	MED8-AS	0.73998	1.22E-87	postive
IRF9	MED8-AS	0.52591	7.74E-37	postive
NFAT5	MED8-AS	0.5562	7.26E-42	postive
CRLF3	MED8-AS	0.55219	3.60E-41	postive
NR2C2	MED8-AS	0.59386	6.98E-49	postive
RORA	MED8-AS	0.60989	3.69E-52	postive
CBL	MED8-AS	0.51068	1.70E-34	postive
RFXANK	AC10813	0.60095	2.60E-50	postive
LCN12	AC10813	0.516	2.67E-35	postive
IRF3	AC10813	0.50681	6.43E-34	postive
MAP2K2	AC10813	0.57249	8.63E-45	postive
PPP4C	AC10813	0.51534	3.37E-35	postive
HRAS	AC10813	0.58853	7.80E-48	postive
MYDGF	AC10813	0.50192	3.35E-33	postive
UCN	AC10813	0.56073	1.16E-42	postive
NR2F6	AC10813	0.57396	4.61E-45	postive
PTPN11	AC10813	-0.53669	1.43E-38	negative
LEAP2	AC07917	0.55472	1.31E-41	postive
LCN12	AC07917	0.68475	2.68E-70	postive
C8G	AC07917	0.53945	5.06E-39	postive
LTB4R	AC07917	0.5149	3.93E-35	postive
AGER	AC07917	0.63589	6.80E-58	postive
UCN	AC07917	0.57369	5.18E-45	postive
EPOR	AC07917	0.55777	3.86E-42	postive
MC1R	AC07917	0.51197	1.09E-34	postive
LEAP2	ZNF528-4	0.55453	1.42E-41	postive
CREB1	Z68871.1	0.64462	6.05E-60	postive
UBR1	Z68871.1	0.66581	3.28E-65	postive
ZC3HAV1Z68871.1		0.71971	8.65E-81	postive
ZC3HAV1Z68871.1		0.76399	1.25E-96	postive
MAPK1	Z68871.1	0.60663	1.76E-51	postive
NEDD4	Z68871.1	0.5556	9.24E-42	postive
CYLD	Z68871.1	0.59872	7.39E-50	postive
MAPK14	Z68871.1	0.5429	1.36E-39	postive
EIF2AK2	Z68871.1	0.70595	1.77E-76	postive
MAPK8	Z68871.1	0.56149	8.47E-43	postive
ADAR	Z68871.1	0.52547	9.08E-37	postive
AHNAK	Z68871.1	0.615	3.03E-53	postive
SP1	Z68871.1	0.74294	1.08E-88	postive
IREB2	Z68871.1	0.55463	1.36E-41	postive
DDX17	Z68871.1	0.63734	3.14E-58	postive
JAK2	Z68871.1	0.58828	8.75E-48	postive
NFAT5	Z68871.1	0.85877	#####	postive

NFATC3	Z68871.1	0.77014	4.18E-99	postive
PIK3R1	Z68871.1	0.50785	4.50E-34	postive
PIK3CA	Z68871.1	0.52768	4.06E-37	postive
AKT3	Z68871.1	0.65558	1.29E-62	postive
GSK3B	Z68871.1	0.53306	5.59E-38	postive
SLIT2	Z68871.1	0.59628	2.29E-49	postive
PLXNC1	Z68871.1	0.57389	4.75E-45	postive
ACVR2B	Z68871.1	0.58933	5.44E-48	postive
BMPR2	Z68871.1	0.62153	1.17E-54	postive
CRLF3	Z68871.1	0.61266	9.57E-53	postive
EGFR	Z68871.1	0.50353	1.95E-33	postive
INSR	Z68871.1	0.52802	3.59E-37	postive
NR2C2	Z68871.1	0.79558	#####	postive
NR3C2	Z68871.1	0.51403	5.31E-35	postive
PPARA	Z68871.1	0.64661	2.02E-60	postive
RORA	Z68871.1	0.84856	#####	postive
PTPN11	Z68871.1	0.57311	6.64E-45	postive
SOS1	Z68871.1	0.79639	#####	postive
SOS2	Z68871.1	0.56367	3.46E-43	postive
BRAF	Z68871.1	0.51586	2.80E-35	postive
PRKCA	Z68871.1	0.5791	5.04E-46	postive
TEC	Z68871.1	0.53897	6.08E-39	postive
PAK2	Z68871.1	0.51476	4.12E-35	postive
CBL	Z68871.1	0.79466	#####	postive
CBLB	Z68871.1	0.5934	8.58E-49	postive
FCGRT	LINC0163	0.60018	3.73E-50	postive
DEFB1	LINC0163	0.55694	5.39E-42	postive
S100A6	LINC0163	0.60043	3.33E-50	postive
S100A14	LINC0163	0.60827	8.04E-52	postive
S100A16	LINC0163	0.595	4.13E-49	postive
SLC22A1	LINC0163	0.54702	2.74E-40	postive
WFDC2	LINC0163	0.61138	1.78E-52	postive
DUOX1	LINC0163	0.52521	9.99E-37	postive
CD40	LINC0163	0.50099	4.59E-33	postive
CD81	LINC0163	0.56842	4.80E-44	postive
STING1	LINC0163	0.50115	4.35E-33	postive
APOBEC	LINC0163	0.51701	1.87E-35	postive
CTF1	LINC0163	0.66237	2.51E-64	postive
FLT3LG	LINC0163	0.59653	2.04E-49	postive
IL17B	LINC0163	0.51795	1.34E-35	postive
JAG2	LINC0163	0.54019	3.81E-39	postive
NRG2	LINC0163	0.55432	1.54E-41	postive
NTF4	LINC0163	0.67385	2.53E-67	postive
RARG	LINC0163	0.51912	8.86E-36	postive
LEAP2	PSPC1-A	0.58196	1.44E-46	postive
LMBR1L	PSPC1-A	0.54818	1.75E-40	postive
EED	PSPC1-A	0.53686	1.35E-38	postive
LTB4R	PSPC1-A	0.52184	3.37E-36	postive
AGER	PSPC1-A	0.57294	7.13E-45	postive
TNFRSF2	PSPC1-A	0.509	3.04E-34	postive
PLCG1	LINC0156	0.506	8.48E-34	postive
UCN	LINC0156	0.56309	4.40E-43	postive
MC1R	LINC0156	0.50905	2.98E-34	postive
CTF1	AC09274	0.50647	7.22E-34	postive
NTF4	AC09274	0.51253	8.98E-35	postive
DEFA6	AC00522	0.80705	#####	postive

DEFA5	AC00522	0.81043	#####	positive
S100A3	AC00522	0.61025	3.10E-52	positive
CCL24	AC00522	0.72741	2.56E-83	positive
EDN3	AC00522	0.69766	5.35E-74	positive
CALCA	AC00522	0.60578	2.65E-51	positive
CHGB	AC00522	0.78523	#####	positive
FGF1	AC00522	0.7021	2.59E-75	positive
ZAP70	AC00522	0.50044	5.50E-33	positive
CTLA4	AC00522	0.57284	7.43E-45	positive
TRBJ2-1	AC00522	0.70093	5.77E-75	positive
TRDC	AC00522	0.78654	#####	positive
CTSB	MIR100H	0.52542	9.23E-37	positive
MR1	MIR100H	0.62795	4.39E-56	positive
S100A6	MIR100H	0.54599	4.11E-40	positive
TINAGL1	MIR100H	0.6863	9.82E-71	positive
TGFB1	MIR100H	0.51647	2.26E-35	positive
A2M	MIR100H	0.62825	3.75E-56	positive
RBP1	MIR100H	0.50948	2.58E-34	positive
CD40	MIR100H	0.51589	2.78E-35	positive
ZYX	MIR100H	0.62057	1.89E-54	positive
ELN	MIR100H	0.52519	1.00E-36	positive
CSRP1	MIR100H	0.68726	5.28E-71	positive
STING1	MIR100H	0.54363	1.02E-39	positive
DES	MIR100H	0.5545	1.43E-41	positive
KCNH2	MIR100H	0.50847	3.64E-34	positive
ILK	MIR100H	0.61523	2.70E-53	positive
APOBEC	MIR100H	0.50615	8.04E-34	positive
MASP1	MIR100H	0.65096	1.78E-61	positive
TRIM22	MIR100H	0.55145	4.83E-41	positive
PDGFRB	MIR100H	0.59926	5.74E-50	positive
ANXA6	MIR100H	0.7422	1.99E-88	positive
VIM	MIR100H	0.59169	1.88E-48	positive
GBP2	MIR100H	0.59123	2.31E-48	positive
LTBP1	MIR100H	0.6682	7.82E-66	positive
GRK2	MIR100H	-0.5102	2.01E-34	negative
NFATC4	MIR100H	0.6375	2.89E-58	positive
INPP5D	MIR100H	0.55362	2.04E-41	positive
PRKCB	MIR100H	0.70612	1.58E-76	positive
CX3CL1	MIR100H	0.50233	2.92E-33	positive
FGF10	MIR100H	0.67459	1.60E-67	positive
SLIT2	MIR100H	0.58251	1.13E-46	positive
TNC	MIR100H	0.55497	1.19E-41	positive
CMKLR1	MIR100H	0.52592	7.71E-37	positive
EDNRA	MIR100H	0.81733	#####	positive
PLXNC1	MIR100H	0.52246	2.69E-36	positive
BMP1	MIR100H	0.6023	1.38E-50	positive
BMP4	MIR100H	0.66839	6.99E-66	positive
CSF1	MIR100H	0.59919	5.94E-50	positive
CTF1	MIR100H	0.64015	6.93E-59	positive
CCN2	MIR100H	0.578	8.12E-46	positive
FGF7	MIR100H	0.52103	4.49E-36	positive
IL33	MIR100H	0.73479	7.95E-86	positive
IL34	MIR100H	0.55538	1.01E-41	positive
IL6ST	MIR100H	0.5462	3.78E-40	positive
LTBP2	MIR100H	0.51794	1.35E-35	positive
LTBP4	MIR100H	0.58039	2.87E-46	positive

NDP	MIR100H	0.59784	1.11E-49	postive
NRG2	MIR100H	0.51526	3.46E-35	postive
OGN	MIR100H	0.7106	6.62E-78	postive
PDGFC	MIR100H	0.76143	1.27E-95	postive
TGFB2	MIR100H	0.55805	3.44E-42	postive
TSLP	MIR100H	0.65048	2.33E-61	postive
ACVRL1	MIR100H	0.5216	3.67E-36	postive
ANGPT1	MIR100H	0.67674	4.21E-68	postive
ANGPTL1	MIR100H	0.69028	7.37E-72	postive
CRIM1	MIR100H	0.54823	1.71E-40	postive
CSF3R	MIR100H	0.51422	4.98E-35	postive
ESR1	MIR100H	0.63728	3.24E-58	postive
FGFR1	MIR100H	0.77352	#####	postive
LEPR	MIR100H	0.63959	9.40E-59	postive
MET	MIR100H	0.51993	6.64E-36	postive
NR2F1	MIR100H	0.71563	1.75E-79	postive
NRP2	MIR100H	0.68927	1.43E-71	postive
PGR	MIR100H	0.80245	#####	postive
PTGER2	MIR100H	0.72866	9.77E-84	postive
PTH1R	MIR100H	0.57248	8.68E-45	postive
RARA	MIR100H	0.51449	4.53E-35	postive
RARB	MIR100H	0.63297	3.19E-57	postive
RORA	MIR100H	0.54673	3.07E-40	postive
S1PR2	MIR100H	0.64905	5.21E-61	postive
SDC3	MIR100H	0.69963	1.41E-74	postive
TGFBR2	MIR100H	0.66065	6.89E-64	postive
TGFBR3	MIR100H	0.78961	#####	postive
LCP2	MIR100H	0.51766	1.49E-35	postive
FYN	MIR100H	0.58078	2.43E-46	postive
PRKCA	MIR100H	0.54786	1.98E-40	postive
MAP3K8	MIR100H	0.52527	9.75E-37	postive
CIITA	AC10801	0.5075	5.07E-34	postive
ZC3HAV1	AC10801	0.59688	1.74E-49	postive
ZC3HAV1	AC10801	0.65003	3.00E-61	postive
CYLD	AC10801	0.53779	9.49E-39	postive
EIF2AK2	AC10801	0.54791	1.94E-40	postive
AHNAK	AC10801	0.51018	2.03E-34	postive
TCF7L2	AC10801	0.56033	1.36E-42	postive
SP1	AC10801	0.56139	8.86E-43	postive
IL7R	AC10801	0.61142	1.75E-52	postive
DDX17	AC10801	0.62978	1.70E-56	postive
JAK2	AC10801	0.545	6.01E-40	postive
NFAT5	AC10801	0.87384	#####	postive
NFATC3	AC10801	0.70431	5.61E-76	postive
SLIT2	AC10801	0.58506	3.68E-47	postive
PLXNC1	AC10801	0.5694	3.18E-44	postive
CRLF3	AC10801	0.5575	4.30E-42	postive
NR2C2	AC10801	0.64808	8.93E-61	postive
PGR	AC10801	0.53005	1.70E-37	postive
RORA	AC10801	0.86222	#####	postive
LCP2	AC10801	0.52615	7.08E-37	postive
SOS1	AC10801	0.70813	3.85E-77	postive
PRKCA	AC10801	0.6418	2.83E-59	postive
CBL	AC10801	0.66164	3.86E-64	postive
LTB4R	ASB16-A	0.5337	4.41E-38	postive
ADRM1	AC01264	0.50458	1.37E-33	postive

PPIA	AC012641	0.54648	3.39E-40	postive
UBR1	COA6-AS	-0.5073	5.44E-34	negative
HRAS	COA6-AS	0.51737	1.65E-35	postive
PTPN11	COA6-AS	-0.51456	4.42E-35	negative
AGER	AL591895	0.51465	4.29E-35	postive
S100A14	LINC008E	0.50808	4.17E-34	postive
DUOX1	LINC008E	0.5259	7.77E-37	postive
STING1	LINC008E	0.50001	6.35E-33	postive
NTF4	LINC008E	0.62065	1.82E-54	postive
RARG	LINC008E	0.58422	5.33E-47	postive
SDC1	LINC008E	0.56821	5.25E-44	postive
PSMC3	AC010654	0.5138	5.76E-35	postive
PSMC5	AC010654	0.52623	6.89E-37	postive
PSMD13	AC010654	0.51311	7.34E-35	postive
RFXANK	AC010654	0.55516	1.10E-41	postive
ADRM1	AC010654	0.52377	1.68E-36	postive
MAP2K2	AC010654	0.55537	1.01E-41	postive
PPP4C	AC010654	0.53864	6.87E-39	postive
HRAS	AC010654	0.56302	4.53E-43	postive
MYDGF	AC010654	0.523	2.22E-36	postive
NENF	AC010654	0.5125	9.06E-35	postive
UCN	TIPARP-4	0.50484	1.26E-33	postive
CREB1	FAM160A	0.56058	1.23E-42	postive
NFYA	FAM160A	0.50914	2.90E-34	postive
PSMC3	FAM160A	-0.51543	3.27E-35	negative
UBXN1	FAM160A	-0.51441	4.66E-35	negative
UBR1	FAM160A	0.60263	1.19E-50	postive
MAPK1	FAM160A	0.55163	4.50E-41	postive
EIF2AK2	FAM160A	0.51746	1.60E-35	postive
ADAR	FAM160A	0.53815	8.27E-39	postive
SP1	FAM160A	0.51938	8.08E-36	postive
IREB2	FAM160A	0.56785	6.12E-44	postive
LANCL1	FAM160A	0.52674	5.73E-37	postive
NENF	FAM160A	-0.5253	9.67E-37	negative
NR2C2	FAM160A	0.58142	1.83E-46	postive
PTPN11	FAM160A	0.51648	2.26E-35	postive
PAK2	FAM160A	0.52465	1.22E-36	postive
CBLB	FAM160A	0.53081	1.29E-37	postive
LEAP2	AF117829	0.54093	2.88E-39	postive
ZC3HAV1	AF117829	0.55267	2.97E-41	postive
DDX17	AF117829	0.54606	4.00E-40	postive
NFAT5	AF117829	0.5071	5.82E-34	postive
MALT1	AF117829	0.51215	1.02E-34	postive
AKT3	AF117829	0.57446	3.72E-45	postive
RORA	AF117829	0.65527	1.54E-62	postive
CBL	AF117829	0.61364	5.92E-53	postive
FCGRT	HEIH	0.51643	2.29E-35	postive
PSMC3	HEIH	0.58534	3.25E-47	postive
PSMC5	HEIH	0.5681	5.51E-44	postive
PSMD4	HEIH	0.51277	8.25E-35	postive
RFXANK	HEIH	0.52757	4.23E-37	postive
UBXN1	HEIH	0.61944	3.32E-54	postive
S100A13	HEIH	0.5712	1.49E-44	postive
S100A6	HEIH	0.5089	3.14E-34	postive
RBP1	HEIH	0.5043	1.51E-33	postive
CD81	HEIH	0.62024	2.22E-54	postive

MAP2K2	HEIH	0.50313	2.24E-33	postive
HRAS	HEIH	0.54649	3.38E-40	postive
CLEC11A	HEIH	0.50581	9.04E-34	postive
FLT3LG	HEIH	0.52992	1.79E-37	postive
NENF	HEIH	0.50211	3.15E-33	postive
NRTN	HEIH	0.54309	1.26E-39	postive
TNFSF12	HEIH	0.52673	5.75E-37	postive
VEGFB	HEIH	0.51183	1.14E-34	postive
PTPN11	HEIH	-0.5113	1.38E-34	negative
ECPAS	MID1IP1-	0.55391	1.82E-41	postive
MAVS	MID1IP1-	0.51361	6.17E-35	postive
GSK3B	MID1IP1-	0.56205	6.74E-43	postive
NR2C2	MID1IP1-	0.55937	2.02E-42	postive
PSMC5	PXN-AS1	0.56637	1.13E-43	postive
PSMD13	PXN-AS1	0.56854	4.58E-44	postive
AP3B1	PXN-AS1	-0.52248	2.67E-36	negative
RFXANK	PXN-AS1	0.63513	1.02E-57	postive
UBXN1	PXN-AS1	0.54137	2.43E-39	postive
LCN12	PXN-AS1	0.50745	5.16E-34	postive
IRF3	PXN-AS1	0.51611	2.57E-35	postive
MAPK1	PXN-AS1	-0.53667	1.45E-38	negative
SP1	PXN-AS1	-0.50324	2.15E-33	negative
JAK1	PXN-AS1	-0.52352	1.84E-36	negative
MAP2K2	PXN-AS1	0.59527	3.65E-49	postive
PPP4C	PXN-AS1	0.52188	3.31E-36	postive
HRAS	PXN-AS1	0.64253	1.90E-59	postive
MYDGF	PXN-AS1	0.50042	5.54E-33	postive
IL6ST	PXN-AS1	-0.57794	8.34E-46	negative
RABEP2	PXN-AS1	0.52462	1.23E-36	postive
UCN	PXN-AS1	0.58422	5.32E-47	postive
NR2F6	PXN-AS1	0.60491	4.02E-51	postive
SHC2	PXN-AS1	0.51831	1.18E-35	postive
SOS2	PXN-AS1	-0.52824	3.31E-37	negative
SP1	AL359076	0.50668	6.71E-34	postive
DDX17	AL359076	0.52756	4.25E-37	postive
CXCR6	AL359076	0.50341	2.03E-33	postive
NFAT5	AL359076	0.62913	2.38E-56	postive
NFATC3	AL359076	0.51524	3.48E-35	postive
RORA	AL359076	0.71904	1.42E-80	postive
SOS1	AL359076	0.50919	2.84E-34	postive
CBL	AL359076	0.6071	1.41E-51	postive
ZC3HAV1AC10945	AC10945	0.51842	1.14E-35	postive
ZC3HAV1AC10945	AC10945	0.54173	2.12E-39	postive
NFAT5	AC10945	0.65392	3.34E-62	postive
NFATC3	AC10945	0.53749	1.06E-38	postive
RORA	AC10945	0.70653	1.18E-76	postive
SOS1	AC10945	0.54258	1.53E-39	postive
CBL	AC10945	0.59093	2.65E-48	postive
LEAP2	AC00255	0.68178	1.78E-69	postive
LMBR1L	AC00255	0.52954	2.06E-37	postive
DDX17	AC00255	0.69437	4.90E-73	postive
NFAT5	AC00255	0.56459	2.37E-43	postive
CRLF3	AC00255	0.52281	2.37E-36	postive
NR2C2	AC00255	0.54712	2.65E-40	postive
RORA	AC00255	0.66717	1.45E-65	postive
CBL	AC00255	0.54198	1.93E-39	postive

OPRK1	AP003469	0.54136	2.44E-39	postive
CREB1	AC024074	0.50651	7.13E-34	postive
UBR1	AC024074	0.53345	4.84E-38	postive
ZC3HAV1	AC024074	0.5343	3.52E-38	postive
MAVS	AC024074	0.6341	1.76E-57	postive
ZC3HAV1	AC024074	0.50737	5.31E-34	postive
EIF2AK2	AC024074	0.53917	5.64E-39	postive
AHNAK	AC024074	0.53768	9.89E-39	postive
SP1	AC024074	0.5718	1.16E-44	postive
IREB2	AC024074	0.54471	6.75E-40	postive
NFAT5	AC024074	0.64952	4.00E-61	postive
NFATC3	AC024074	0.63676	4.27E-58	postive
BMPR2	AC024074	0.52553	8.89E-37	postive
IGF2R	AC024074	0.52015	6.15E-36	postive
IL17RA	AC024074	0.51674	2.06E-35	postive
NR2C2	AC024074	0.5918	1.78E-48	postive
PPARA	AC024074	0.63102	8.88E-57	postive
RORA	AC024074	0.51915	8.77E-36	postive
SOS1	AC024074	0.58562	2.87E-47	postive
SOS2	AC024074	0.52853	2.98E-37	postive
TYK2	SNHG20	0.55999	1.56E-42	postive
LEAP2	AC016394	0.59033	3.47E-48	postive
AGER	AC016394	0.50757	4.95E-34	postive
LEAP2	RUSC1-A	0.71741	4.73E-80	postive
LMBR1L	RUSC1-A	0.60846	7.35E-52	postive
LTB4R	RUSC1-A	0.54401	8.83E-40	postive
DDX17	RUSC1-A	0.5942	5.96E-49	postive
IRF9	RUSC1-A	0.56952	3.04E-44	postive
AGER	RUSC1-A	0.51503	3.75E-35	postive
MC1R	RUSC1-A	0.5341	3.80E-38	postive
IL7R	MEG3	0.60107	2.46E-50	postive
DDX17	MEG3	0.51289	7.93E-35	postive
TRIM22	MEG3	0.52024	5.95E-36	postive
SERPINA	MEG3	0.50136	4.04E-33	postive
NFAT5	MEG3	0.68877	1.98E-71	postive
PRKCB	MEG3	0.51354	6.32E-35	postive
PGR	MEG3	0.54495	6.14E-40	postive
RORA	MEG3	0.70322	1.19E-75	postive
LCP2	MEG3	0.53485	2.87E-38	postive
FYN	MEG3	0.5324	7.15E-38	postive
PRKCA	MEG3	0.59178	1.80E-48	postive
MAP3K8	MEG3	0.52473	1.19E-36	postive
ZC3HAV1	AC018754	0.61052	2.71E-52	postive
ZC3HAV1	AC018754	0.66998	2.67E-66	postive
CYLD	AC018754	0.52716	4.91E-37	postive
EIF2AK2	AC018754	0.52016	6.13E-36	postive
SP1	AC018754	0.57785	8.68E-46	postive
IL7R	AC018754	0.59792	1.07E-49	postive
DDX17	AC018754	0.55275	2.88E-41	postive
NFAT5	AC018754	0.85558	#####	postive
NFATC3	AC018754	0.71443	4.20E-79	postive
AKT3	AC018754	0.60321	9.00E-51	postive
SLIT2	AC018754	0.57359	5.42E-45	postive
PLXNC1	AC018754	0.54105	2.75E-39	postive
NR2C2	AC018754	0.57345	5.73E-45	postive
PGR	AC018754	0.50749	5.10E-34	postive

RORA	AC01875	0.87181	#####	positive
SOS1	AC01875	0.71001	1.01E-77	positive
PRKCA	AC01875	0.57515	2.78E-45	positive
CBL	AC01875	0.72431	2.72E-82	positive
IFNLR1	AC00904	0.52337	1.94E-36	positive
APLN	AC00904	0.74645	5.84E-90	positive
TNFRSF1	AC00904	0.7985	#####	positive
IL17RD	AC00904	0.51143	1.31E-34	positive
TACR1	AC00904	0.77709	#####	positive
CTSB	LINC0251	0.50601	8.43E-34	positive
MR1	LINC0251	0.53798	8.82E-39	positive
TLR2	LINC0251	0.50517	1.12E-33	positive
SLC40A1	LINC0251	0.5517	4.38E-41	positive
DUOX1	LINC0251	0.57949	4.26E-46	positive
TLR3	LINC0251	0.58046	2.79E-46	positive
CD40	LINC0251	0.56451	2.45E-43	positive
STING1	LINC0251	0.60412	5.85E-51	positive
GBP2	LINC0251	0.51168	1.20E-34	positive
VAV3	LINC0251	0.5152	3.53E-35	positive
CX3CL1	LINC0251	0.54993	8.78E-41	positive
NTF4	LINC0251	0.64348	1.13E-59	positive
MET	LINC0251	0.70195	2.88E-75	positive
RARB	LINC0251	0.62314	5.14E-55	positive
RARG	LINC0251	0.61438	4.11E-53	positive
LRP1	AP00118	0.56792	5.94E-44	positive
F2R	AP00118	0.54669	3.13E-40	positive
MSR1	AP00118	0.55155	4.63E-41	positive
DLL4	AP00118	0.55213	3.69E-41	positive
JAK1	AP00118	0.55293	2.69E-41	positive
PDGFRB	AP00118	0.72271	9.14E-82	positive
VCAM1	AP00118	0.54119	2.61E-39	positive
LTBP1	AP00118	0.54127	2.53E-39	positive
CMKLR1	AP00118	0.55151	4.71E-41	positive
PLXNC1	AP00118	0.50572	9.30E-34	positive
PLXND1	AP00118	0.7029	1.49E-75	positive
INHBA	AP00118	0.5151	3.65E-35	positive
LTBP2	AP00118	0.58908	6.11E-48	positive
ACVRL1	AP00118	0.57197	1.08E-44	positive
CALCR	AP00118	0.6725	5.77E-67	positive
CRIM1	AP00118	0.59056	3.13E-48	positive
CSF1R	AP00118	0.50249	2.78E-33	positive
ENG	AP00118	0.53819	8.15E-39	positive
FLT1	AP00118	0.60697	1.50E-51	positive
FLT4	AP00118	0.62205	8.95E-55	positive
KDR	AP00118	0.68354	5.80E-70	positive
OSMR	AP00118	0.53028	1.56E-37	positive
S1PR1	AP00118	0.64613	2.63E-60	positive
TEK	AP00118	0.73276	3.98E-85	positive
TGFBR2	AP00118	0.68862	2.19E-71	positive
TGFBR3	AP00118	0.51047	1.83E-34	positive
TIE1	AP00118	0.60577	2.67E-51	positive
DDX17	LINC0123	0.67929	8.56E-69	positive
NR2C2	LINC0123	0.55048	7.09E-41	positive
CREB1	AC01147	-0.51649	2.24E-35	negative
PSMC5	AC01147	0.51363	6.12E-35	positive
SEM1	AC01147	0.5479	1.95E-40	positive

AP3B1	AC01147:	-0.50956	2.50E-34	negative
RFXANK	AC01147:	0.61914	3.88E-54	postive
UBXN1	AC01147:	0.50027	5.83E-33	postive
UBR1	AC01147:	-0.58253	1.12E-46	negative
NFKB1	AC01147:	-0.54013	3.90E-39	negative
MAPK1	AC01147:	-0.56082	1.12E-42	negative
STAT3	AC01147:	-0.51366	6.05E-35	negative
MAPK14	AC01147:	-0.52051	5.41E-36	negative
BECN1	AC01147:	-0.55941	1.98E-42	negative
JAK1	AC01147:	-0.57356	5.48E-45	negative
IREB2	AC01147:	-0.53168	9.32E-38	negative
MAP2K2	AC01147:	0.59334	8.83E-49	postive
LANCL1	AC01147:	-0.54282	1.39E-39	negative
HRAS	AC01147:	0.56969	2.82E-44	postive
MYDGF	AC01147:	0.55152	4.69E-41	postive
NENF	AC01147:	0.5414	2.40E-39	postive
RABEP2	AC01147:	0.51101	1.52E-34	postive
UCN	AC01147:	0.61215	1.23E-52	postive
CRIM1	AC01147:	-0.51884	9.78E-36	negative
IGF2R	AC01147:	-0.51498	3.82E-35	negative
NR2F6	AC01147:	0.63812	2.07E-58	postive
PTPN11	AC01147:	-0.577	1.25E-45	negative
SOS2	AC01147:	-0.54805	1.84E-40	negative
IREB2	AL354993	0.52758	4.21E-37	postive
NR2C2	AL354993	0.5435	1.07E-39	postive
CTF1	AC10746	0.53853	7.18E-39	postive
NTF4	AC10746	0.58438	4.97E-47	postive
LCN12	AP00145	0.53156	9.75E-38	postive
TINAGL1	NR2F1-A	0.51029	1.95E-34	postive
A2M	NR2F1-A	0.51992	6.67E-36	postive
CSRP1	NR2F1-A	0.52942	2.15E-37	postive
ILK	NR2F1-A	0.52328	2.00E-36	postive
MASP1	NR2F1-A	0.5043	1.51E-33	postive
PDGFRB	NR2F1-A	0.5954	3.44E-49	postive
ANXA6	NR2F1-A	0.55784	3.74E-42	postive
LTBP1	NR2F1-A	0.62267	6.55E-55	postive
PRKCB	NR2F1-A	0.54761	2.18E-40	postive
FGF10	NR2F1-A	0.59021	3.66E-48	postive
SLIT2	NR2F1-A	0.52567	8.45E-37	postive
TNC	NR2F1-A	0.50703	5.97E-34	postive
EDNRA	NR2F1-A	0.70345	1.02E-75	postive
BMP1	NR2F1-A	0.55425	1.59E-41	postive
BMP4	NR2F1-A	0.62695	7.33E-56	postive
IL33	NR2F1-A	0.57089	1.70E-44	postive
OGN	NR2F1-A	0.56901	3.76E-44	postive
PDGFC	NR2F1-A	0.64552	3.70E-60	postive
TGFB2	NR2F1-A	0.54224	1.74E-39	postive
ANGPT1	NR2F1-A	0.55326	2.35E-41	postive
ANGPTL1	NR2F1-A	0.58603	2.39E-47	postive
ESR1	NR2F1-A	0.56455	2.41E-43	postive
FGFR1	NR2F1-A	0.67666	4.45E-68	postive
LEPR	NR2F1-A	0.54774	2.08E-40	postive
NR2F1	NR2F1-A	0.8059	#####	postive
NRP2	NR2F1-A	0.63827	1.91E-58	postive
PGR	NR2F1-A	0.67978	6.28E-69	postive
PTGER2	NR2F1-A	0.60706	1.44E-51	postive

RARB	NR2F1-A	0.52054	5.35E-36	postive
RORA	NR2F1-A	0.53665	1.46E-38	postive
SDC3	NR2F1-A	0.60729	1.29E-51	postive
TGFBR2	NR2F1-A	0.54079	3.03E-39	postive
TGFBR3	NR2F1-A	0.64428	7.30E-60	postive
CREB1	AC13355	-0.56161	8.07E-43	negative
PSMC3	AC13355	0.57895	5.39E-46	postive
PSMC5	AC13355	0.58258	1.10E-46	postive
PSMD4	AC13355	0.55184	4.13E-41	postive
PSMD13	AC13355	0.51196	1.09E-34	postive
AP3B1	AC13355	-0.50834	3.81E-34	negative
RFXANK	AC13355	0.68584	1.32E-70	postive
ADRM1	AC13355	0.54614	3.87E-40	postive
UBXN1	AC13355	0.55224	3.53E-41	postive
UBR1	AC13355	-0.54126	2.54E-39	negative
MAPK1	AC13355	-0.51861	1.06E-35	negative
SP1	AC13355	-0.53518	2.53E-38	negative
JAK1	AC13355	-0.51059	1.75E-34	negative
IREB2	AC13355	-0.54875	1.40E-40	negative
SYTL1	AC13355	0.59086	2.73E-48	postive
MAP2K2	AC13355	0.71578	1.56E-79	postive
PPP4C	AC13355	0.62403	3.27E-55	postive
MIF	AC13355	0.50268	2.60E-33	postive
HRAS	AC13355	0.64012	7.03E-59	postive
NFKBIB	AC13355	0.55115	5.44E-41	postive
MYDGF	AC13355	0.64233	2.12E-59	postive
CD320	AC13355	0.55351	2.13E-41	postive
CLEC11A	AC13355	0.53339	4.95E-38	postive
IL6ST	AC13355	-0.52963	1.99E-37	negative
NENF	AC13355	0.5416	2.23E-39	postive
RABEP2	AC13355	0.59189	1.71E-48	postive
UCN	AC13355	0.54578	4.44E-40	postive
ACVR1B	AC13355	-0.50861	3.47E-34	negative
BMPR2	AC13355	-0.54557	4.82E-40	negative
IL17RC	AC13355	0.53904	5.90E-39	postive
NR2C2	AC13355	-0.51815	1.25E-35	negative
NR2F6	AC13355	0.66313	1.60E-64	postive
PTPN11	AC13355	-0.58868	7.30E-48	negative
SOS2	AC13355	-0.59692	1.71E-49	negative
CANX	AC01710	0.52895	2.55E-37	postive
CMTM4	AC01710	0.50696	6.11E-34	postive
PSMC3	AC14706	0.50159	3.75E-33	postive
TMSB10	AC14706	0.50323	2.16E-33	postive
HRAS	AC14706	0.52151	3.78E-36	postive
GMFG	AC14706	0.56239	5.87E-43	postive
HCST	AC14706	0.54121	2.59E-39	postive
TCF7L2	TPM1-AS	0.52011	6.23E-36	postive
SERPINA	TPM1-AS	0.52454	1.27E-36	postive
NFAT5	TPM1-AS	0.63523	9.69E-58	postive
RORA	TPM1-AS	0.65812	3.00E-63	postive
RFXANK	AP00274	0.5187	1.03E-35	postive
UBR1	AP00274	-0.51596	2.70E-35	negative
MAP2K2	AP00274	0.52451	1.28E-36	postive
HRAS	AP00274	0.50677	6.50E-34	postive
NR2F6	AP00274	0.5545	1.44E-41	postive
LEAP2	ZNF436-A	0.50168	3.63E-33	postive

LMBR1L	ZNF436-4	0.50231	2.95E-33	positive
RFXANK	AL450326	-0.53299	5.75E-38	negative
UBXN1	AL450326	-0.50604	8.34E-34	negative
UBR1	AL450326	0.51307	7.44E-35	positive
MAPK1	AL450326	0.54304	1.29E-39	positive
BECN1	AL450326	0.52696	5.28E-37	positive
IREB2	AL450326	0.53219	7.74E-38	positive
HRAS	AL450326	-0.53541	2.32E-38	negative
NENF	AL450326	-0.54047	3.43E-39	negative
IGF2R	AL450326	0.50533	1.06E-33	positive
PTPN11	AL450326	0.54659	3.25E-40	positive
SOS2	AL450326	0.50248	2.78E-33	positive
SYTL1	AC023301	0.50668	6.72E-34	positive
S100A1	H19	0.96464	#####	positive
FABP3	H19	0.60331	8.58E-51	positive
ACTA1	H19	0.95982	#####	positive
SEMA6C	H19	0.80228	#####	positive
IL17D	H19	0.80097	#####	positive
PRKCQ	H19	0.83533	#####	positive
LEAP2	AC004921	0.53921	5.54E-39	positive
LCN12	AC004921	0.55534	1.02E-41	positive
PSMC1	AL604028	-0.50981	2.30E-34	negative
LEAP2	AC005331	0.54628	3.66E-40	positive
LCN12	AC005331	0.53092	1.23E-37	positive
LMBR1L	AC005331	0.61127	1.89E-52	positive
LTB4R	AC005331	0.56047	1.29E-42	positive
AGER	AC005331	0.60482	4.19E-51	positive
EPOR	AC005331	0.5126	8.74E-35	positive
CTF1	NIFK-AS1	0.5068	6.45E-34	positive
UCN	SNHG7	0.52163	3.63E-36	positive
CTSB	AC024891	0.51436	4.74E-35	positive
S100A14	AC024891	0.56614	1.24E-43	positive
S100A16	AC024891	0.55511	1.12E-41	positive
WFDC2	AC024891	0.51456	4.42E-35	positive
APOBEC	AC024891	0.51779	1.42E-35	positive
DUOX1	AC024891	0.52056	5.31E-36	positive
CD40	AC024891	0.54997	8.64E-41	positive
STING1	AC024891	0.51512	3.63E-35	positive
APOBEC	AC024891	0.52609	7.25E-37	positive
CTF1	AC024891	0.54972	9.55E-41	positive
FLT3LG	AC024891	0.51061	1.74E-34	positive
NRG2	AC024891	0.56949	3.07E-44	positive
NTF4	AC024891	0.61937	3.45E-54	positive
RARG	AC024891	0.54332	1.15E-39	positive
TNFRSF2	AC024891	0.51832	1.18E-35	positive
CXCL6	AC022501	0.53169	9.31E-38	positive
LEAP2	AC010761	0.55215	3.66E-41	positive
DDX17	AC010761	0.56873	4.23E-44	positive
DEFB1	LINC0113	0.5009	4.72E-33	positive
S100A14	LINC0113	0.54445	7.44E-40	positive
CXCL17	LINC0113	0.52966	1.97E-37	positive
PSMC3	MAPKAPI	0.55071	6.46E-41	positive
PSMC5	MAPKAPI	0.66026	8.64E-64	positive
PSMD4	MAPKAPI	0.63949	9.89E-59	positive
PSMD13	MAPKAPI	0.67654	4.78E-68	positive
SEM1	MAPKAPI	0.52341	1.91E-36	positive

AP3B1	MAPKAPI	-0.54607	3.97E-40	negative
RFXANK	MAPKAPI	0.68608	1.13E-70	postive
UBXN1	MAPKAPI	0.70918	1.82E-77	postive
UBR1	MAPKAPI	-0.57978	3.76E-46	negative
IRF3	MAPKAPI	0.54434	7.78E-40	postive
MAPK1	MAPKAPI	-0.60689	1.56E-51	negative
NEDD4	MAPKAPI	-0.50978	2.32E-34	negative
STAT3	MAPKAPI	-0.54343	1.10E-39	negative
PPIA	MAPKAPI	0.5752	2.71E-45	postive
AHNAK	MAPKAPI	-0.55743	4.41E-42	negative
PRDX2	MAPKAPI	0.53724	1.17E-38	postive
SOD1	MAPKAPI	0.50362	1.90E-33	postive
JAK1	MAPKAPI	-0.54072	3.12E-39	negative
MAP2K2	MAPKAPI	0.5889	6.61E-48	postive
PPP4C	MAPKAPI	0.57327	6.21E-45	postive
NFATC3	MAPKAPI	-0.521	4.53E-36	negative
HRAS	MAPKAPI	0.63132	7.61E-57	postive
MYDGF	MAPKAPI	0.50711	5.81E-34	postive
IL6ST	MAPKAPI	-0.58777	1.10E-47	negative
NENF	MAPKAPI	0.53764	1.00E-38	postive
UCN	MAPKAPI	0.59467	4.80E-49	postive
IGF2R	MAPKAPI	-0.55354	2.11E-41	negative
NR2F6	MAPKAPI	0.61464	3.62E-53	postive
PTPN11	MAPKAPI	-0.50926	2.78E-34	negative
SOS1	MAPKAPI	-0.52517	1.01E-36	negative
AGER	AC00533	0.50133	4.09E-33	postive
HRAS	AC00533	0.54046	3.44E-39	postive
CREB1	AL122035	0.58311	8.72E-47	postive
PSMC3	AL122035	-0.56745	7.23E-44	negative
PSMC5	AL122035	-0.55253	3.14E-41	negative
PSMD4	AL122035	-0.5358	2.01E-38	negative
RFX5	AL122035	0.52691	5.38E-37	postive
RFXANK	AL122035	-0.53414	3.73E-38	negative
ADRM1	AL122035	-0.53301	5.70E-38	negative
UBXN1	AL122035	-0.51866	1.04E-35	negative
UBR1	AL122035	0.60898	5.71E-52	postive
ZC3HAV1	AL122035	0.60264	1.18E-50	postive
ZC3HAV1	AL122035	0.52554	8.85E-37	postive
MAPK1	AL122035	0.59324	9.25E-49	postive
NEDD4	AL122035	0.52379	1.67E-36	postive
CYLD	AL122035	0.60757	1.12E-51	postive
MAPK14	AL122035	0.54644	3.45E-40	postive
EIF2AK2	AL122035	0.58961	4.80E-48	postive
AHNAK	AL122035	0.55494	1.20E-41	postive
SP1	AL122035	0.65281	6.27E-62	postive
SOD1	AL122035	-0.50631	7.61E-34	negative
JAK1	AL122035	0.59428	5.76E-49	postive
IREB2	AL122035	0.51674	2.06E-35	postive
MAP2K2	AL122035	-0.54806	1.83E-40	negative
PPP4C	AL122035	-0.53424	3.61E-38	negative
TANK	AL122035	0.50279	2.51E-33	postive
JAK2	AL122035	0.6176	8.35E-54	postive
NFAT5	AL122035	0.7066	1.13E-76	postive
NFATC3	AL122035	0.68674	7.43E-71	postive
HRAS	AL122035	-0.53775	9.64E-39	negative
PIK3R1	AL122035	0.5545	1.43E-41	postive

PIK3CA	AL122035	0.5246	1.24E-36	postive
AKT3	AL122035	0.52464	1.23E-36	postive
GSK3B	AL122035	0.5035	1.98E-33	postive
SLIT2	AL122035	0.56919	3.48E-44	postive
PLXNC1	AL122035	0.5279	3.74E-37	postive
IL6ST	AL122035	0.53982	4.40E-39	postive
NENF	AL122035	-0.50614	8.07E-34	negative
BMPR2	AL122035	0.59947	5.21E-50	postive
EGFR	AL122035	0.50634	7.53E-34	postive
NR2C2	AL122035	0.65547	1.38E-62	postive
NR2F2	AL122035	0.5197	7.21E-36	postive
NR2F6	AL122035	-0.54587	4.30E-40	negative
NR3C2	AL122035	0.53884	6.38E-39	postive
PGR	AL122035	0.50722	5.58E-34	postive
PPARA	AL122035	0.57727	1.11E-45	postive
RORA	AL122035	0.66898	4.89E-66	postive
PTPN11	AL122035	0.61583	2.01E-53	postive
SOS1	AL122035	0.73075	1.92E-84	postive
SOS2	AL122035	0.58839	8.33E-48	postive
PRKCA	AL122035	0.5398	4.42E-39	postive
PAK2	AL122035	0.5188	9.92E-36	postive
CBL	AL122035	0.67155	1.03E-66	postive
LEAP2	PTV1	0.56305	4.48E-43	postive
LTB4R	AC25456	0.56847	4.70E-44	postive
AGER	AC25456	0.51577	2.90E-35	postive
LEAP2	AC09154	0.54099	2.81E-39	postive
SEM1	PPP1R35	0.62171	1.06E-54	postive
AP3B1	PPP1R35	-0.54988	8.96E-41	negative
RFXANK	PPP1R35	0.53403	3.89E-38	postive
UBR1	PPP1R35	-0.52726	4.74E-37	negative
C8G	PPP1R35	0.50589	8.78E-34	postive
MAPK1	PPP1R35	-0.5143	4.84E-35	negative
JAK1	PPP1R35	-0.50683	6.38E-34	negative
SYTL1	PPP1R35	0.5309	1.25E-37	postive
MAP2K2	PPP1R35	0.50701	5.99E-34	postive
ACO1	PPP1R35	-0.50956	2.51E-34	negative
HRAS	PPP1R35	0.5563	6.98E-42	postive
IGF2R	PPP1R35	-0.51165	1.22E-34	negative
NR2F6	PPP1R35	0.57875	5.87E-46	postive
PTPN11	PPP1R35	-0.55313	2.47E-41	negative
LEAP2	PTOV1-A	0.55651	6.41E-42	postive
LMBR1L	PTOV1-A	0.62522	1.78E-55	postive
IRF3	PTOV1-A	0.50556	9.84E-34	postive
C8G	PTOV1-A	0.50333	2.09E-33	postive
TYK2	PTOV1-A	0.64777	1.06E-60	postive
LTB4R	PTOV1-A	0.51554	3.13E-35	postive
AGER	PTOV1-A	0.5869	1.62E-47	postive
MC1R	PTOV1-A	0.56193	7.08E-43	postive
LEAP2	ZNF213-A	0.5275	4.34E-37	postive
LCN12	ZNF213-A	0.55794	3.59E-42	postive
PSMC5	ENTPD3-	0.54856	1.50E-40	postive
RFXANK	ENTPD3-	0.55171	4.34E-41	postive
SYTL1	ENTPD3-	0.51808	1.28E-35	postive
HRAS	ENTPD3-	0.54001	4.09E-39	postive
NENF	ENTPD3-	0.5252	1.00E-36	postive
CTF1	AL589843	0.56015	1.47E-42	postive

JAG2	AL589843	0.50617	7.99E-34	positive
NTF4	AL589843	0.52664	5.93E-37	positive
CANX	AC084824	-0.54276	1.43E-39	negative
PSMC5	AC084824	0.5041	1.61E-33	positive
AP3B1	AC084824	-0.53335	5.01E-38	negative
RFXANK	AC084824	0.65513	1.67E-62	positive
PSME3	AC084824	-0.50619	7.93E-34	negative
UBXN1	AC084824	0.57788	8.57E-46	positive
UBR1	AC084824	-0.50668	6.72E-34	negative
S100A13	AC084824	0.60812	8.63E-52	positive
IRF3	AC084824	0.66865	5.98E-66	positive
C8G	AC084824	0.55	8.54E-41	positive
MAPK1	AC084824	-0.56562	1.55E-43	negative
BECN1	AC084824	-0.5049	1.23E-33	negative
MAP2K2	AC084824	0.51094	1.56E-34	positive
AGER	AC084824	0.6815	2.13E-69	positive
HRAS	AC084824	0.61174	1.50E-52	positive
UCN	AC084824	0.62148	1.19E-54	positive
IGF2R	AC084824	-0.57029	2.19E-44	negative
NR2F6	AC084824	0.52225	2.90E-36	positive
PTPN11	AC084824	-0.52825	3.29E-37	negative
ZC3HAV1AP00127	AP00127	0.56321	4.18E-43	positive
ZC3HAV1AP00127	AP00127	0.60433	5.30E-51	positive
NEDD4	AP00127	0.50353	1.95E-33	positive
EIF2AK2	AP00127	0.54438	7.64E-40	positive
TCF7L2	AP00127	0.51366	6.06E-35	positive
SP1	AP00127	0.55955	1.88E-42	positive
DDX17	AP00127	0.62876	2.89E-56	positive
JAK2	AP00127	0.50711	5.80E-34	positive
NFAT5	AP00127	0.77126	1.44E-99	positive
NFATC3	AP00127	0.61848	5.39E-54	positive
NR2C2	AP00127	0.6424	2.04E-59	positive
RORA	AP00127	0.69935	1.71E-74	positive
SOS1	AP00127	0.65857	2.31E-63	positive
PRKCA	AP00127	0.50344	2.01E-33	positive
CBL	AP00127	0.57965	3.97E-46	positive
B2M	PSMB8-A	0.694	6.27E-73	positive
CD1C	PSMB8-A	0.62247	7.24E-55	positive
CD1D	PSMB8-A	0.73072	1.96E-84	positive
CD1E	PSMB8-A	0.69633	1.32E-73	positive
CD4	PSMB8-A	0.7142	4.95E-79	positive
CD8A	PSMB8-A	0.69308	1.16E-72	positive
CD8B	PSMB8-A	0.5064	7.38E-34	positive
CD74	PSMB8-A	0.81583	#####	positive
CTSB	PSMB8-A	0.52746	4.40E-37	positive
CTSS	PSMB8-A	0.68885	1.87E-71	positive
FCER1G	PSMB8-A	0.64494	5.08E-60	positive
HLA-A	PSMB8-A	0.64707	1.57E-60	positive
HLA-B	PSMB8-A	0.71153	3.39E-78	positive
HLA-C	PSMB8-A	0.57762	9.57E-46	positive
HLA-DMA	PSMB8-A	0.75405	8.78E-93	positive
HLA-DOA	PSMB8-A	0.71358	7.74E-79	positive
HLA-DOB	PSMB8-A	0.69856	2.92E-74	positive
HLA-DPA	PSMB8-A	0.67363	2.89E-67	positive
HLA-DPB	PSMB8-A	0.76944	8.03E-99	positive
HLA-DQA	PSMB8-A	0.6744	1.80E-67	positive

HLA-DQA	PSMB8-A	0.54203	1.89E-39	postive
HLA-DQB	PSMB8-A	0.58924	5.68E-48	postive
HLA-DRA	PSMB8-A	0.67777	2.22E-68	postive
HLA-DRB	PSMB8-A	0.7373	1.07E-86	postive
HLA-E	PSMB8-A	0.87311	#####	postive
HLA-F	PSMB8-A	0.86955	#####	postive
HLA-H	PSMB8-A	0.62149	1.19E-54	postive
CIITA	PSMB8-A	0.6757	8.08E-68	postive
PSMB8	PSMB8-A	0.7544	6.51E-93	postive
PSME1	PSMB8-A	0.55603	7.78E-42	postive
PSME2	PSMB8-A	0.50512	1.14E-33	postive
RELB	PSMB8-A	0.50643	7.31E-34	postive
TAP1	PSMB8-A	0.7153	2.22E-79	postive
TAP2	PSMB8-A	0.784	#####	postive
TAPBP	PSMB8-A	0.57826	7.26E-46	postive
CXCL10	PSMB8-A	0.64897	5.44E-61	postive
CXCL9	PSMB8-A	0.6002	3.71E-50	postive
APOBEC:	PSMB8-A	0.68597	1.22E-70	postive
TLR2	PSMB8-A	0.62088	1.61E-54	postive
CYBB	PSMB8-A	0.56033	1.36E-42	postive
IDO1	PSMB8-A	0.64659	2.04E-60	postive
STAT1	PSMB8-A	0.53373	4.36E-38	postive
IRF1	PSMB8-A	0.53331	5.09E-38	postive
PLAAT4	PSMB8-A	0.54511	5.76E-40	postive
CD40	PSMB8-A	0.59096	2.61E-48	postive
IKBKE	PSMB8-A	0.62746	5.65E-56	postive
CCL5	PSMB8-A	0.70554	2.37E-76	postive
GNLY	PSMB8-A	0.53312	5.46E-38	postive
STING1	PSMB8-A	0.59057	3.11E-48	postive
IL18	PSMB8-A	0.68341	6.32E-70	postive
IL7R	PSMB8-A	0.53745	1.08E-38	postive
CD14	PSMB8-A	0.55202	3.85E-41	postive
IRF9	PSMB8-A	0.54783	2.01E-40	postive
TRIM22	PSMB8-A	0.65577	1.16E-62	postive
PLSCR1	PSMB8-A	0.58632	2.10E-47	postive
PDCD1	PSMB8-A	0.68152	2.09E-69	postive
VCAM1	PSMB8-A	0.50222	3.03E-33	postive
GBP2	PSMB8-A	0.71648	9.41E-80	postive
CCL19	PSMB8-A	0.66767	1.08E-65	postive
CCL17	PSMB8-A	0.58479	4.15E-47	postive
CCL22	PSMB8-A	0.63317	2.87E-57	postive
CCR7	PSMB8-A	0.68279	9.38E-70	postive
CCR5	PSMB8-A	0.72925	6.19E-84	postive
CCR1	PSMB8-A	0.57624	1.73E-45	postive
CXCR4	PSMB8-A	0.62919	2.31E-56	postive
CXCR6	PSMB8-A	0.64318	1.34E-59	postive
FGR	PSMB8-A	0.6499	3.24E-61	postive
CD86	PSMB8-A	0.63298	3.18E-57	postive
HCK	PSMB8-A	0.68847	2.41E-71	postive
CD79A	PSMB8-A	0.55571	8.85E-42	postive
CD79B	PSMB8-A	0.55058	6.80E-41	postive
BTK	PSMB8-A	0.66053	7.37E-64	postive
VAV1	PSMB8-A	0.71088	5.42E-78	postive
RAC2	PSMB8-A	0.73456	9.59E-86	postive
CARD11	PSMB8-A	0.71825	2.54E-80	postive
NFKBIE	PSMB8-A	0.50495	1.21E-33	postive

PIK3R5	PSMB8-A	0.63117	8.22E-57	postive
PIK3CD	PSMB8-A	0.71152	3.43E-78	postive
INPP5D	PSMB8-A	0.65491	1.89E-62	postive
CD72	PSMB8-A	0.70228	2.28E-75	postive
PTPN6	PSMB8-A	0.55404	1.72E-41	postive
PLCG2	PSMB8-A	0.59325	9.23E-49	postive
IFITM1	PSMB8-A	0.55776	3.86E-42	postive
IGHG1	PSMB8-A	0.50134	4.07E-33	postive
IGHV3-15	PSMB8-A	0.5674	7.38E-44	postive
IGHV3-7	PSMB8-A	0.51203	1.07E-34	postive
IGHV3-74	PSMB8-A	0.51698	1.89E-35	postive
IGKC	PSMB8-A	0.50659	6.92E-34	postive
IGKV1-5	PSMB8-A	0.51281	8.13E-35	postive
IGKV3-11	PSMB8-A	0.50782	4.55E-34	postive
IGKV5-2	PSMB8-A	0.50452	1.40E-33	postive
IGLC2	PSMB8-A	0.52801	3.61E-37	postive
IGLV3-25	PSMB8-A	0.52594	7.67E-37	postive
C3	PSMB8-A	0.55994	1.59E-42	postive
SEMA7A	PSMB8-A	0.62194	9.47E-55	postive
TYMP	PSMB8-A	0.75082	1.43E-91	postive
CXCR3	PSMB8-A	0.71954	9.83E-81	postive
PTAFR	PSMB8-A	0.65788	3.44E-63	postive
CSF1	PSMB8-A	0.60404	6.07E-51	postive
EBI3	PSMB8-A	0.73788	6.73E-87	postive
FLT3LG	PSMB8-A	0.63652	4.87E-58	postive
GMFG	PSMB8-A	0.66967	3.23E-66	postive
IL16	PSMB8-A	0.67639	5.24E-68	postive
IL24	PSMB8-A	0.61995	2.58E-54	postive
IL32	PSMB8-A	0.61872	4.77E-54	postive
LTB	PSMB8-A	0.66332	1.43E-64	postive
TNFSF13	PSMB8-A	0.67383	2.55E-67	postive
CSF1R	PSMB8-A	0.57754	9.91E-46	postive
CSF2RA	PSMB8-A	0.70695	8.82E-77	postive
CSF2RB	PSMB8-A	0.60502	3.81E-51	postive
CSF3R	PSMB8-A	0.50272	2.57E-33	postive
IL10RA	PSMB8-A	0.71531	2.20E-79	postive
IL15RA	PSMB8-A	0.60681	1.62E-51	postive
IL2RB	PSMB8-A	0.71917	1.29E-80	postive
IL27RA	PSMB8-A	0.6584	2.55E-63	postive
IL2RG	PSMB8-A	0.72406	3.30E-82	postive
IL4R	PSMB8-A	0.50169	3.62E-33	postive
TNFRSF1	PSMB8-A	0.72868	9.59E-84	postive
TNFRSF2	PSMB8-A	0.69388	6.81E-73	postive
TNFRSF4	PSMB8-A	0.62524	1.76E-55	postive
ITGAL	PSMB8-A	0.74882	7.90E-91	postive
ITGB2	PSMB8-A	0.71863	1.93E-80	postive
TYROBP	PSMB8-A	0.60404	6.07E-51	postive
LCK	PSMB8-A	0.74626	6.84E-90	postive
FCGR3A	PSMB8-A	0.50233	2.93E-33	postive
CD247	PSMB8-A	0.78056	#####	postive
ZAP70	PSMB8-A	0.67245	5.94E-67	postive
LCP2	PSMB8-A	0.67036	2.13E-66	postive
FYN	PSMB8-A	0.55438	1.50E-41	postive
HCST	PSMB8-A	0.59561	3.12E-49	postive
CD48	PSMB8-A	0.72447	2.42E-82	postive
GZMB	PSMB8-A	0.59769	1.19E-49	postive

PRF1	PSMB8-A	0.74324	8.45E-89	postive
CD3D	PSMB8-A	0.73102	1.55E-84	postive
CD3E	PSMB8-A	0.75533	2.87E-93	postive
CD3G	PSMB8-A	0.74072	6.69E-88	postive
PTPRC	PSMB8-A	0.63633	5.38E-58	postive
MAP3K14	PSMB8-A	0.50172	3.59E-33	postive
TRAC	PSMB8-A	0.72792	1.73E-83	postive
TRBC2	PSMB8-A	0.61378	5.53E-53	postive
TRBJ2-7	PSMB8-A	0.6572	5.10E-63	postive
TRBV7-9	PSMB8-A	0.64233	2.13E-59	postive
TRBV19	PSMB8-A	0.66446	7.29E-65	postive
TRBV20-	PSMB8-A	0.71349	8.27E-79	postive
TRBV28	PSMB8-A	0.63402	1.84E-57	postive
TRBV29-	PSMB8-A	0.67759	2.48E-68	postive
LEAP2	CBR3-AS	0.51569	2.98E-35	postive
SEM1	AC10682	0.53346	4.81E-38	postive
AP3B1	AC10682	-0.55182	4.16E-41	negative
RFXANK	AC10682	0.5537	1.97E-41	postive
LCN12	AC10682	0.53482	2.90E-38	postive
HRAS	AC10682	0.56412	2.88E-43	postive
UCN	AC10682	0.57719	1.15E-45	postive
NR2F6	AC10682	0.55549	9.65E-42	postive
LEAP2	LINC0034	0.66204	3.06E-64	postive
LMBR1L	LINC0034	0.63672	4.38E-58	postive
TYK2	LINC0034	0.50402	1.66E-33	postive
LTB4R	LINC0034	0.60666	1.75E-51	postive
AGER	LINC0034	0.58561	2.88E-47	postive
MC1R	LINC0034	0.52488	1.13E-36	postive
LCN12	AC11248	0.52424	1.42E-36	postive
AGER	AC11248	0.55273	2.90E-41	postive
UCN	AC11248	0.62062	1.84E-54	postive
LEAP2	AL13934	0.55603	7.76E-42	postive
LMBR1L	AL13934	0.522	3.17E-36	postive
TYK2	AL13934	0.57937	4.48E-46	postive
ADRM1	AC10932	0.5053	1.07E-33	postive
LMBR1L	AC00876	0.59597	2.65E-49	postive
AGER	AC00876	0.59538	3.47E-49	postive
LCN12	AL158071	0.50933	2.71E-34	postive
AGER	AL158071	0.58094	2.26E-46	postive
MX2	AC24501	0.56609	1.27E-43	postive
IL7R	AC24501	0.66468	6.40E-65	postive
SERPINA	AC24501	0.56078	1.13E-42	postive
NFAT5	AC24501	0.63087	9.61E-57	postive
RORA	AC24501	0.55046	7.12E-41	postive
LEAP2	GABPB1	0.66121	4.97E-64	postive
DDX17	GABPB1	0.57978	3.75E-46	postive
CANX	AC02640	-0.50141	3.99E-33	negative
S100A13	AC02640	0.59232	1.41E-48	postive
S100A6	AC02640	0.62232	7.81E-55	postive
S100A16	AC02640	0.54371	9.91E-40	postive
IRF3	AC02640	0.50007	6.23E-33	postive
ZYX	AC02640	0.58088	2.31E-46	postive
TPM2	AC02640	0.51511	3.65E-35	postive
DES	AC02640	0.52057	5.29E-36	postive
ABCC4	AC02640	-0.52506	1.06E-36	negative
FLT3LG	AC02640	0.58982	4.36E-48	postive

GMFG	AC02640	0.54441	7.56E-40	postive
IL17B	AC02640	0.50438	1.47E-33	postive
IL32	AC02640	0.53549	2.26E-38	postive
IL3RA	AC02640	0.54883	1.35E-40	postive
S1PR2	AC02640	0.53649	1.55E-38	postive
TNFRSF4	AC02640	0.50946	2.60E-34	postive
HCST	AC02640	0.5227	2.47E-36	postive
LEAP2	AC11473	0.57479	3.24E-45	postive
LMBR1L	AC11473	0.62445	2.64E-55	postive
TYK2	AC11473	0.53609	1.80E-38	postive
AGER	AC11473	0.51584	2.82E-35	postive
LEAP2	LENG8-A	0.60268	1.15E-50	postive
LMBR1L	LENG8-A	0.58702	1.53E-47	postive
TYK2	LENG8-A	0.59499	4.15E-49	postive
LTB4R	LENG8-A	0.54863	1.46E-40	postive
DDX17	LENG8-A	0.60499	3.86E-51	postive
BRD8	LENG8-A	0.52414	1.47E-36	postive
PLCG1	LENG8-A	0.52069	5.07E-36	postive
LTB4R	AL16258	0.57666	1.45E-45	postive
AMH	AL16258	0.66347	1.32E-64	postive
LRSAM1	AL16258	0.63214	4.93E-57	postive
AR	AL16258	0.53585	1.97E-38	postive
LEAP2	AC02091	0.54686	2.93E-40	postive
RORA	AC02091	0.53397	3.98E-38	postive
LEAP2	AC13979	0.5564	6.70E-42	postive
ZC3HAV1	AC13979	0.55423	1.60E-41	postive
SP1	AC13979	0.54013	3.91E-39	postive
DDX17	AC13979	0.67001	2.64E-66	postive
JAK2	AC13979	0.50396	1.69E-33	postive
NFAT5	AC13979	0.66193	3.26E-64	postive
NFATC3	AC13979	0.5174	1.63E-35	postive
AKT3	AC13979	0.52631	6.69E-37	postive
CRLF3	AC13979	0.56528	1.78E-43	postive
NR2C2	AC13979	0.64832	7.81E-61	postive
RORA	AC13979	0.73032	2.69E-84	postive
SOS1	AC13979	0.57744	1.04E-45	postive
PRKCA	AC13979	0.54877	1.39E-40	postive
CBL	AC13979	0.61098	2.17E-52	postive
NTF4	AC13647	0.5158	2.86E-35	postive
RFXANK	AL12189	0.57922	4.78E-46	postive
SYTL1	AL12189	0.53188	8.66E-38	postive
MAP2K2	AL12189	0.55195	3.96E-41	postive
MYDGF	AL12189	0.55088	6.04E-41	postive
RABEP2	AL12189	0.6315	6.91E-57	postive
NR2F6	AL12189	0.56502	1.98E-43	postive
SOS2	AL12189	-0.52593	7.67E-37	negative
NFYA	CTBP1-D	0.53645	1.57E-38	postive
S100A13	CTBP1-D	-0.51021	2.00E-34	negative
LMBR1L	AC13287	0.57976	3.79E-46	postive
IRF3	AC13287	0.58666	1.80E-47	postive
AGER	AC13287	0.57297	7.05E-45	postive
CANX	DHRS4-A	0.50955	2.51E-34	postive
CREB1	DHRS4-A	0.50409	1.62E-33	postive
PSMC3	DHRS4-A	-0.52802	3.58E-37	negative
PSMC5	DHRS4-A	-0.50232	2.94E-33	negative
S100A13	DHRS4-A	-0.51815	1.25E-35	negative

IRF3	DHRS4-A	-0.52273	2.44E-36	negative
MAPK1	DHRS4-A	0.51594	2.72E-35	postive
LMBR1	DHRS4-A	0.5068	6.44E-34	postive
DCK	DHRS4-A	0.50626	7.75E-34	postive
LANCL1	DHRS4-A	0.53722	1.18E-38	postive
HRAS	DHRS4-A	-0.52331	1.98E-36	negative
GSK3B	DHRS4-A	0.56086	1.10E-42	postive
GMFB	DHRS4-A	0.58154	1.74E-46	postive
PTPN11	DHRS4-A	0.52026	5.91E-36	postive
PAK2	DHRS4-A	0.51961	7.45E-36	postive
TPM2	FOXD2-A	0.52034	5.73E-36	postive
DES	FOXD2-A	0.53645	1.57E-38	postive
ANXA6	FOXD2-A	0.5509	5.99E-41	postive
PTH1R	FOXD2-A	0.51622	2.47E-35	postive
SDC3	FOXD2-A	0.53534	2.39E-38	postive
AP3B1	AP003419	-0.50151	3.86E-33	negative
RFXANK	AP003419	0.62906	2.47E-56	postive
LCN12	AP003419	0.53453	3.23E-38	postive
IRF3	AP003419	0.55096	5.87E-41	postive
MAP2K2	AP003419	0.51684	1.98E-35	postive
AGER	AP003419	0.51953	7.67E-36	postive
HRAS	AP003419	0.58865	7.40E-48	postive
UCN	AP003419	0.52717	4.90E-37	postive
NR2F6	AP003419	0.55127	5.18E-41	postive
AP3B1	AC000061	-0.5196	7.48E-36	negative
RFXANK	AC000061	0.656	1.02E-62	postive
MAP2K2	AC000061	0.52702	5.17E-37	postive
LANCL1	AC000061	-0.51729	1.70E-35	negative
HRAS	AC000061	0.59914	6.08E-50	postive
UCN	AC000061	0.54923	1.16E-40	postive
NR2F6	AC000061	0.50477	1.29E-33	postive
PTPN11	AC000061	-0.51301	7.59E-35	negative
AP3B1	AC016771	-0.50964	2.44E-34	negative
RFXANK	AC016771	0.54812	1.79E-40	postive
LCN12	AC016771	0.60339	8.28E-51	postive
IRF3	AC016771	0.57156	1.28E-44	postive
C8G	AC016771	0.54703	2.73E-40	postive
MAPK1	AC016771	-0.50441	1.45E-33	negative
SYTL1	AC016771	0.50021	5.94E-33	postive
MAP2K2	AC016771	0.5006	5.22E-33	postive
AGER	AC016771	0.64778	1.05E-60	postive
HRAS	AC016771	0.55001	8.51E-41	postive
UCN	AC016771	0.66542	4.13E-65	postive
NR2F6	AC016771	0.50899	3.04E-34	postive
PTPN11	AC016771	-0.51938	8.08E-36	negative
RELB	AC093671	0.54336	1.14E-39	postive
S100A13	AC093671	0.56146	8.58E-43	postive
S100A6	AC093671	0.62008	2.42E-54	postive
S100A16	AC093671	0.57854	6.42E-46	postive
IRF3	AC093671	0.50239	2.87E-33	postive
SOCS1	AC093671	0.51171	1.19E-34	postive
ZYX	AC093671	0.73468	8.68E-86	postive
CD81	AC093671	0.51108	1.48E-34	postive
STING1	AC093671	0.50346	2.00E-33	postive
NFKBIE	AC093671	0.57387	4.80E-45	postive
PLAUR	AC093671	0.50638	7.44E-34	postive

FLT3LG	AC09367	0.56469	2.28E-43	postive
IL32	AC09367	0.51353	6.34E-35	postive
IL34	AC09367	0.51234	9.59E-35	postive
IL3RA	AC09367	0.55286	2.76E-41	postive
RARA	AC09367	0.58917	5.86E-48	postive
S1PR2	AC09367	0.50789	4.44E-34	postive
TNFRSF1	AC09367	0.63215	4.92E-57	postive
TNFRSF1	AC09367	0.53229	7.44E-38	postive
LEAP2	AC25357	0.54677	3.02E-40	postive
AZGP1	PCCA-DT	0.57673	1.41E-45	postive
SYTL1	PCCA-DT	0.54549	4.98E-40	postive
FAM3B	PCCA-DT	0.60874	6.42E-52	postive
RABEP2	PCCA-DT	0.51299	7.66E-35	postive
ZC3HAV1	AL16272	0.50902	3.01E-34	postive
NFAT5	AL16272	0.56659	1.03E-43	postive
AKT3	AL16272	0.50749	5.09E-34	postive
RORA	AL16272	0.69064	5.82E-72	postive
CBL	AL16272	0.54707	2.69E-40	postive
LCN12	AC01033	0.55467	1.34E-41	postive
C8G	AC01033	0.54633	3.60E-40	postive
UCN	AC01033	0.52389	1.61E-36	postive
LCN12	AL355987	0.56931	3.31E-44	postive
LMBR1L	AL355987	0.55073	6.40E-41	postive
IRF3	AL355987	0.56204	6.77E-43	postive
AGER	AL355987	0.59104	2.52E-48	postive
LCN12	LINC0178	0.66713	1.49E-65	postive
LMBR1L	LINC0178	0.58926	5.62E-48	postive
IRF3	LINC0178	0.50658	6.95E-34	postive
C8G	LINC0178	0.5296	2.01E-37	postive
TYK2	LINC0178	0.54952	1.03E-40	postive
AGER	LINC0178	0.54784	1.99E-40	postive
PTGDS	AL049838	0.56335	3.96E-43	postive
S100A6	AL049838	0.73277	3.94E-85	postive
S100A16	AL049838	0.62817	3.90E-56	postive
TINAGL1	AL049838	0.68483	2.55E-70	postive
A2M	AL049838	0.52471	1.20E-36	postive
RBP1	AL049838	0.62094	1.56E-54	postive
FABP3	AL049838	0.53477	2.96E-38	postive
CD40	AL049838	0.50455	1.38E-33	postive
ZYX	AL049838	0.61894	4.28E-54	postive
CSRP1	AL049838	0.712	2.42E-78	postive
CD81	AL049838	0.50877	3.29E-34	postive
APOM	AL049838	0.50389	1.73E-33	postive
TPM2	AL049838	0.63924	1.13E-58	postive
STING1	AL049838	0.52069	5.07E-36	postive
DES	AL049838	0.69946	1.58E-74	postive
KCNH2	AL049838	0.55342	2.21E-41	postive
MASP1	AL049838	0.64629	2.42E-60	postive
ANXA6	AL049838	0.75237	3.79E-92	postive
VIM	AL049838	0.57357	5.44E-45	postive
GBP2	AL049838	0.52776	3.95E-37	postive
CCL21	AL049838	0.5055	1.00E-33	postive
NFATC4	AL049838	0.63361	2.28E-57	postive
SEMA3B	AL049838	0.563	4.58E-43	postive
EDNRA	AL049838	0.56703	8.61E-44	postive
BMP1	AL049838	0.56362	3.54E-43	postive

BMP4	AL049838	0.54949	1.05E-40	postive
CTF1	AL049838	0.77552	#####	postive
FLT3LG	AL049838	0.59887	6.89E-50	postive
IL17B	AL049838	0.56661	1.03E-43	postive
IL33	AL049838	0.51463	4.31E-35	postive
IL34	AL049838	0.61727	9.82E-54	postive
LTBP3	AL049838	0.53969	4.62E-39	postive
LTBP4	AL049838	0.58751	1.23E-47	postive
NDP	AL049838	0.70452	4.82E-76	postive
NRG2	AL049838	0.54166	2.18E-39	postive
NRTN	AL049838	0.66653	2.13E-65	postive
NTF4	AL049838	0.50268	2.60E-33	postive
OGN	AL049838	0.61982	2.75E-54	postive
PDGFC	AL049838	0.60371	7.10E-51	postive
PGF	AL049838	0.53915	5.67E-39	postive
TNFSF12	AL049838	0.6438	9.51E-60	postive
TSLP	AL049838	0.63329	2.69E-57	postive
ANGPT1	AL049838	0.51696	1.91E-35	postive
ANGPTL1	AL049838	0.52343	1.90E-36	postive
FGFR1	AL049838	0.66184	3.43E-64	postive
IL3RA	AL049838	0.52149	3.81E-36	postive
LGR6	AL049838	0.59039	3.38E-48	postive
PTGER2	AL049838	0.54824	1.71E-40	postive
PTH1R	AL049838	0.72193	1.64E-81	postive
RARG	AL049838	0.53371	4.39E-38	postive
S1PR2	AL049838	0.59058	3.10E-48	postive
SDC3	AL049838	0.59846	8.36E-50	postive
TGFBR3	AL049838	0.53005	1.70E-37	postive
RFXANK	AC131009	0.51992	6.66E-36	postive
IRF3	AC131009	0.51669	2.09E-35	postive
ISG20	AC131009	0.52421	1.43E-36	postive
NFKBIZ	AL691482	0.58575	2.70E-47	postive
IGHV4-31	AL691482	0.54787	1.97E-40	postive
IGHV5-51	AL691482	0.52511	1.03E-36	postive
RFXANK	EPCAM-L	0.5012	4.28E-33	postive
MYDGF	EPCAM-L	0.5261	7.23E-37	postive
LCN12	AL355385	0.51854	1.09E-35	postive
AGER	AL355385	0.51718	1.76E-35	postive
UCN	AL355385	0.53917	5.63E-39	postive
AZGP1	DCXR-D1	0.63904	1.26E-58	postive
SYTL1	DCXR-D1	0.56022	1.43E-42	postive
MX2	ATP1B3-/	0.55937	2.02E-42	postive
TCF7L2	ATP1B3-/	0.50559	9.74E-34	postive
IL7R	ATP1B3-/	0.67803	1.89E-68	postive
SERPINA	ATP1B3-/	0.59031	3.50E-48	postive
NFAT5	ATP1B3-/	0.73946	1.87E-87	postive
NFATC3	ATP1B3-/	0.54664	3.19E-40	postive
RORA	ATP1B3-/	0.68998	8.94E-72	postive
LCP2	ATP1B3-/	0.53178	9.00E-38	postive
SOS1	ATP1B3-/	0.55628	7.02E-42	postive
PRKCA	ATP1B3-/	0.54571	4.58E-40	postive
LEAP2	AL391244	0.53042	1.49E-37	postive
LCN12	AL391244	0.54633	3.59E-40	postive
LMBR1L	AL391244	0.54896	1.29E-40	postive
TYK2	AL391244	0.50351	1.97E-33	postive
PTGDS	MIR1-1HC	0.52295	2.25E-36	postive

S100A6	MIR1-1HC	0.55672	5.88E-42	positive
TINAGL1	MIR1-1HC	0.71689	6.96E-80	positive
SLC22A1	MIR1-1HC	0.56071	1.17E-42	positive
FABP3	MIR1-1HC	0.60445	5.00E-51	positive
ZYX	MIR1-1HC	0.56486	2.12E-43	positive
CSRP1	MIR1-1HC	0.84698	#####	positive
TPM2	MIR1-1HC	0.62753	5.43E-56	positive
DES	MIR1-1HC	0.69259	1.61E-72	positive
KCNH2	MIR1-1HC	0.56391	3.13E-43	positive
ILK	MIR1-1HC	0.65916	1.63E-63	positive
APOBEC	MIR1-1HC	0.50676	6.54E-34	positive
MASP1	MIR1-1HC	0.5946	4.96E-49	positive
ANXA6	MIR1-1HC	0.75007	2.72E-91	positive
NFATC4	MIR1-1HC	0.66116	5.10E-64	positive
PRKCB	MIR1-1HC	0.57604	1.89E-45	positive
FGF10	MIR1-1HC	0.53686	1.35E-38	positive
SEMA3B	MIR1-1HC	0.53732	1.13E-38	positive
EDNRA	MIR1-1HC	0.57335	5.99E-45	positive
BMP1	MIR1-1HC	0.50483	1.26E-33	positive
CTF1	MIR1-1HC	0.73411	1.36E-85	positive
IL17B	MIR1-1HC	0.51578	2.89E-35	positive
IL33	MIR1-1HC	0.54125	2.54E-39	positive
LTBP4	MIR1-1HC	0.58154	1.74E-46	positive
NDP	MIR1-1HC	0.6737	2.76E-67	positive
NRG2	MIR1-1HC	0.65802	3.17E-63	positive
NRTN	MIR1-1HC	0.54238	1.65E-39	positive
OGN	MIR1-1HC	0.65395	3.28E-62	positive
PDGFC	MIR1-1HC	0.55979	1.70E-42	positive
TNFSF12	MIR1-1HC	0.52931	2.23E-37	positive
TSLP	MIR1-1HC	0.64251	1.92E-59	positive
ANGPT1	MIR1-1HC	0.66812	8.21E-66	positive
ANGPTL1	MIR1-1HC	0.6952	2.82E-73	positive
FGFR1	MIR1-1HC	0.69706	8.07E-74	positive
LGR6	MIR1-1HC	0.63645	5.06E-58	positive
PGR	MIR1-1HC	0.56947	3.10E-44	positive
PTGER2	MIR1-1HC	0.58679	1.70E-47	positive
PTH1R	MIR1-1HC	0.61595	1.90E-53	positive
SDC3	MIR1-1HC	0.53077	1.31E-37	positive
TGFBR3	MIR1-1HC	0.56267	5.22E-43	positive
LEAP2	AL021707	0.60859	6.89E-52	positive
LMBR1L	AL021707	0.61047	2.78E-52	positive
AGER	AL021707	0.53472	3.01E-38	positive
LEAP2	AC002120	0.6933	1.00E-72	positive
DDX17	AC002120	0.64135	3.62E-59	positive
RORA	AC002120	0.588	9.89E-48	positive
PSMC5	MRPL20-	0.57066	1.88E-44	positive
PSMD13	MRPL20-	0.53771	9.79E-39	positive
ADRM1	MRPL20-	0.63362	2.27E-57	positive
NEDD4	MRPL20-	-0.53907	5.86E-39	negative
PRDX2	MRPL20-	0.51061	1.74E-34	positive
JAK1	MRPL20-	-0.51661	2.16E-35	negative
MAP2K2	MRPL20-	0.50497	1.20E-33	positive
PPP4C	MRPL20-	0.57247	8.71E-45	positive
NFATC3	MRPL20-	-0.51501	3.78E-35	negative
HRAS	MRPL20-	0.50191	3.36E-33	positive
PIK3CA	MRPL20-	-0.50952	2.54E-34	negative

IL6ST	MRPL20-	-0.56924	3.41E-44	negative
NR2F6	MRPL20-	0.55586	8.32E-42	postive
OGFR	MRPL20-	0.55461	1.37E-41	postive
SOS1	MRPL20-	-0.52474	1.18E-36	negative
RFXANK	AC02668	0.55211	3.71E-41	postive
SYTL1	AC02668	0.58576	2.69E-47	postive
RABEP2	AC02668	0.51304	7.50E-35	postive
PTPN11	AC02668	-0.55068	6.53E-41	negative
SEMA3E	RFX3-AS	0.67703	3.53E-68	postive
AGER	AC01639	0.55651	6.40E-42	postive
UCN	AC01639	0.53939	5.17E-39	postive
LEAP2	AC08384	0.55004	8.43E-41	postive
ZC3HAV1	AC08384	0.52399	1.55E-36	postive
ZC3HAV1	AC08384	0.50886	3.18E-34	postive
DDX17	AC08384	0.62145	1.21E-54	postive
NFAT5	AC08384	0.56092	1.07E-42	postive
CRLF3	AC08384	0.52229	2.86E-36	postive
NR2C2	AC08384	0.51692	1.93E-35	postive
RORA	AC08384	0.6331	2.98E-57	postive
CBL	AC08384	0.60578	2.65E-51	postive
RLN1	PCGEM1	0.55235	3.38E-41	postive
ZC3HAV1	AL15783	0.61658	1.39E-53	postive
SP1	AL15783	0.50713	5.76E-34	postive
DDX17	AL15783	0.63088	9.55E-57	postive
NFAT5	AL15783	0.72785	1.82E-83	postive
NFATC3	AL15783	0.57203	1.05E-44	postive
AKT3	AL15783	0.53234	7.31E-38	postive
ACVR2B	AL15783	0.50142	3.97E-33	postive
CRLF3	AL15783	0.5565	6.43E-42	postive
NR2C2	AL15783	0.63103	8.84E-57	postive
RORA	AL15783	0.76707	7.35E-98	postive
SOS1	AL15783	0.56489	2.10E-43	postive
PRKCA	AL15783	0.5283	3.23E-37	postive
CBL	AL15783	0.62768	5.04E-56	postive
LMBR1L	AP00280	0.57957	4.10E-46	postive
AGER	AP00280	0.57415	4.25E-45	postive
TNFRSF2	AP00280	0.53928	5.41E-39	postive
CREB1	MHENCR	-0.52732	4.64E-37	negative
SEM1	MHENCR	0.50505	1.17E-33	postive
AP3B1	MHENCR	-0.60476	4.32E-51	negative
RFXANK	MHENCR	0.59625	2.33E-49	postive
ERAP1	MHENCR	-0.50531	1.07E-33	negative
UBR1	MHENCR	-0.58963	4.77E-48	negative
LCN12	MHENCR	0.63884	1.41E-58	postive
IRF3	MHENCR	0.51964	7.38E-36	postive
C8G	MHENCR	0.56827	5.13E-44	postive
MAPK1	MHENCR	-0.56568	1.51E-43	negative
STAT3	MHENCR	-0.52588	7.83E-37	negative
BECN1	MHENCR	-0.52285	2.33E-36	negative
JAK1	MHENCR	-0.56941	3.17E-44	negative
IREB2	MHENCR	-0.5432	1.21E-39	negative
SYTL1	MHENCR	0.55236	3.37E-41	postive
MAP2K2	MHENCR	0.57989	3.58E-46	postive
LANCL1	MHENCR	-0.51617	2.51E-35	negative
AGER	MHENCR	0.53293	5.87E-38	postive
ACO1	MHENCR	-0.54242	1.63E-39	negative

HRAS	MHENCR	0.61426	4.36E-53	postive
IL6ST	MHENCR	-0.56412	2.87E-43	negative
UCN	MHENCR	0.71989	7.54E-81	postive
BMPR2	MHENCR	-0.54533	5.31E-40	negative
CRIM1	MHENCR	-0.51789	1.37E-35	negative
IGF2R	MHENCR	-0.5753	2.60E-45	negative
MC1R	MHENCR	0.50504	1.17E-33	postive
NR2F6	MHENCR	0.62436	2.77E-55	postive
NR3C1	MHENCR	-0.51796	1.34E-35	negative
PPARA	MHENCR	-0.51174	1.18E-34	negative
SORT1	MHENCR	-0.51495	3.86E-35	negative
PTPN11	MHENCR	-0.57036	2.13E-44	negative
SOS2	MHENCR	-0.57296	7.06E-45	negative
LEAP2	AC01673	0.58114	2.07E-46	postive
LCN12	AC01673	0.50774	4.68E-34	postive
AGER	AC01673	0.50139	4.00E-33	postive
AZGP1	AC00246	0.51147	1.30E-34	postive
NFKBIZ	NR4A1AS	0.5314	1.03E-37	postive
ZC3HAV1	AC01255	0.58478	4.17E-47	postive
SP1	AC01255	0.50953	2.53E-34	postive
DDX17	AC01255	0.50162	3.71E-33	postive
NFAT5	AC01255	0.61322	7.27E-53	postive
NFATC3	AC01255	0.50538	1.04E-33	postive
AKT3	AC01255	0.64595	2.91E-60	postive
RORA	AC01255	0.70992	1.08E-77	postive
SOS1	AC01255	0.52193	3.25E-36	postive
CBL	AC01255	0.68273	9.71E-70	postive
NENF	AC11249	0.50361	1.90E-33	postive
DDX17	AL137003	0.5618	7.47E-43	postive
TNFRSF1	TNFRSF1	0.76031	3.50E-95	postive
VAV2	PPP1R26	0.51247	9.16E-35	postive
SH2D1A	AC07899	0.53306	5.59E-38	postive
PSMC5	AC02350	0.5648	2.17E-43	postive
PSMD4	AC02350	0.54437	7.69E-40	postive
PSMD13	AC02350	0.61153	1.66E-52	postive
RFXANK	AC02350	0.64615	2.61E-60	postive
UBXN1	AC02350	0.59498	4.16E-49	postive
UBR1	AC02350	-0.51015	2.05E-34	negative
MAPK1	AC02350	-0.52726	4.73E-37	negative
MAPK14	AC02350	-0.50205	3.21E-33	negative
JAK1	AC02350	-0.51716	1.78E-35	negative
MAP2K2	AC02350	0.5618	7.48E-43	postive
PPP4C	AC02350	0.54307	1.27E-39	postive
HRAS	AC02350	0.62325	4.88E-55	postive
MYDGF	AC02350	0.52625	6.83E-37	postive
IL6ST	AC02350	-0.50244	2.82E-33	negative
NENF	AC02350	0.60174	1.80E-50	postive
NR2F6	AC02350	0.58608	2.34E-47	postive
PTPN11	AC02350	-0.56331	4.02E-43	negative
CANX	AC07389	-0.50033	5.72E-33	negative
CREB1	AC07389	-0.52116	4.28E-36	negative
PSMC1	AC07389	-0.60577	2.67E-51	negative
PSMC3	AC07389	0.59799	1.04E-49	postive
PSMC5	AC07389	0.58249	1.14E-46	postive
PSMD4	AC07389	0.60213	1.50E-50	postive
RFX5	AC07389	-0.52141	3.91E-36	negative

AP3B1	AC073891	-0.52973	1.92E-37	negative
RFXANK	AC073891	0.76896	1.26E-98	postive
UBXN1	AC073891	0.66024	8.75E-64	postive
UBR1	AC073891	-0.55669	5.96E-42	negative
S100A13	AC073891	0.67549	9.17E-68	postive
IRF3	AC073891	0.53408	3.82E-38	postive
MAPK1	AC073891	-0.56865	4.37E-44	negative
BECN1	AC073891	-0.57615	1.80E-45	negative
IREB2	AC073891	-0.53964	4.71E-39	negative
MAP2K2	AC073891	0.64544	3.87E-60	postive
LANCL1	AC073891	-0.56273	5.11E-43	negative
PPP4C	AC073891	0.51896	9.39E-36	postive
TBK1	AC073891	-0.50084	4.82E-33	negative
HRAS	AC073891	0.7123	1.96E-78	postive
NFKBIE	AC073891	0.51841	1.14E-35	postive
GSK3B	AC073891	-0.50539	1.04E-33	negative
CD320	AC073891	0.50107	4.46E-33	postive
NENF	AC073891	0.6498	3.41E-61	postive
NMB	AC073891	0.52037	5.68E-36	postive
IGF2R	AC073891	-0.56491	2.08E-43	negative
NR2C2	AC073891	-0.53254	6.78E-38	negative
NR2F6	AC073891	0.57654	1.53E-45	postive
PTPN11	AC073891	-0.59371	7.46E-49	negative
CSRP1	AF165147	0.51515	3.60E-35	postive
MASP1	AF165147	0.68829	2.71E-71	postive
PIK3R1	AF165147	0.51562	3.05E-35	postive
PRKCB	AF165147	0.68708	5.93E-71	postive
FGF10	AF165147	0.50372	1.83E-33	postive
SLIT2	AF165147	0.55368	1.99E-41	postive
EDNRA	AF165147	0.53035	1.53E-37	postive
BMP4	AF165147	0.51181	1.15E-34	postive
FGF7	AF165147	0.52227	2.88E-36	postive
IL33	AF165147	0.51331	6.85E-35	postive
NDP	AF165147	0.55532	1.04E-41	postive
OGN	AF165147	0.55638	6.76E-42	postive
PDGFC	AF165147	0.51039	1.88E-34	postive
TGFB2	AF165147	0.50262	2.65E-33	postive
TSLP	AF165147	0.58753	1.22E-47	postive
ANGPT1	AF165147	0.65979	1.13E-63	postive
ANGPTL1	AF165147	0.63078	1.01E-56	postive
FGFR1	AF165147	0.62516	1.84E-55	postive
LGR6	AF165147	0.57342	5.82E-45	postive
PGR	AF165147	0.67525	1.06E-67	postive
PTGER2	AF165147	0.55504	1.15E-41	postive
RORA	AF165147	0.51703	1.85E-35	postive
TGFBR3	AF165147	0.63558	8.03E-58	postive
PRKCA	AF165147	0.5943	5.69E-49	postive
SYTL1	AP001261	0.54821	1.73E-40	postive
RABEP2	AP001261	0.57631	1.69E-45	postive
NR2F6	AP001261	0.51334	6.77E-35	postive
NFAT5	AC037191	0.57681	1.36E-45	postive
RORA	AC037191	0.65058	2.21E-61	postive
CBLC	ELFN1-A	0.52857	2.93E-37	postive
CREB1	ARRDC1-	-0.52599	7.52E-37	negative
AP3B1	ARRDC1-	-0.56069	1.17E-42	negative
UBR1	ARRDC1-	-0.50715	5.71E-34	negative

LCN12	ARRDC1-	0.61116	1.98E-52	postive
C8G	ARRDC1-	0.52445	1.31E-36	postive
MAPK1	ARRDC1-	-0.52043	5.56E-36	negative
JAK1	ARRDC1-	-0.51929	8.36E-36	negative
IREB2	ARRDC1-	-0.55331	2.30E-41	negative
MAP2K2	ARRDC1-	0.5486	1.48E-40	postive
NFATC3	ARRDC1-	-0.50612	8.11E-34	negative
HRAS	ARRDC1-	0.5873	1.36E-47	postive
PIK3CA	ARRDC1-	-0.50498	1.20E-33	negative
IL6ST	ARRDC1-	-0.54668	3.14E-40	negative
RABEP2	ARRDC1-	0.52391	1.60E-36	postive
BMPR2	ARRDC1-	-0.53125	1.10E-37	negative
IGF2R	ARRDC1-	-0.53597	1.88E-38	negative
NR2F6	ARRDC1-	0.62266	6.58E-55	postive
PTPN11	ARRDC1-	-0.57508	2.86E-45	negative
SOS2	ARRDC1-	-0.51404	5.30E-35	negative
LEAP2	AL136295	0.57345	5.75E-45	postive
LMBR1L	AL136295	0.56799	5.75E-44	postive
IRF3	AL136295	0.54113	2.67E-39	postive
APOM	AL136295	0.50222	3.04E-33	postive
LTB4R	AL136295	0.51719	1.75E-35	postive
AGER	AL136295	0.69986	1.21E-74	postive
LEAP2	AC00650-	0.52415	1.46E-36	postive
DDX17	AC00650-	0.53114	1.14E-37	postive
NFAT5	AC00650-	0.54369	9.97E-40	postive
RORA	AC00650-	0.61823	6.11E-54	postive
MALT1	AC10497-	0.5971	1.57E-49	postive
LCN12	AL158212	0.58005	3.33E-46	postive
AGER	AL158212	0.59078	2.83E-48	postive
AP3B1	AC008610	-0.59132	2.22E-48	negative
RFXANK	AC008610	0.60897	5.73E-52	postive
LCN12	AC008610	0.70231	2.23E-75	postive
IRF3	AC008610	0.56878	4.13E-44	postive
C8G	AC008610	0.61704	1.11E-53	postive
MAPK1	AC008610	-0.53395	4.01E-38	negative
STAT3	AC008610	-0.50817	4.04E-34	negative
MAP2K2	AC008610	0.50141	3.98E-33	postive
AGER	AC008610	0.59015	3.76E-48	postive
HRAS	AC008610	0.61519	2.75E-53	postive
IL6ST	AC008610	-0.51317	7.19E-35	negative
UCN	AC008610	0.67492	1.30E-67	postive
IGF2R	AC008610	-0.52467	1.21E-36	negative
NR2F6	AC008610	0.60429	5.40E-51	postive
OGFR	AC008610	0.5213	4.07E-36	postive
PTPN11	AC008610	-0.53196	8.41E-38	negative
CTSB	LINC0254	0.57461	3.50E-45	postive
MR1	LINC0254	0.59554	3.22E-49	postive
DEFB1	LINC0254	0.58011	3.24E-46	postive
S100A14	LINC0254	0.61169	1.53E-52	postive
S100A16	LINC0254	0.52807	3.52E-37	postive
APOBEC	LINC0254	0.56959	2.94E-44	postive
SLC40A1	LINC0254	0.51461	4.34E-35	postive
DUOX1	LINC0254	0.74046	8.25E-88	postive
TLR3	LINC0254	0.52842	3.10E-37	postive
CD40	LINC0254	0.62984	1.64E-56	postive
MUC4	LINC0254	0.50505	1.17E-33	postive

ROBO3	LINC0254	0.52341	1.91E-36	positive
STING1	LINC0254	0.67195	8.08E-67	positive
IL18	LINC0254	0.51774	1.45E-35	positive
APOBEC	LINC0254	0.60279	1.09E-50	positive
GBP2	LINC0254	0.56079	1.13E-42	positive
VAV3	LINC0254	0.55202	3.85E-41	positive
CHP2	LINC0254	0.50365	1.87E-33	positive
CX3CL1	LINC0254	0.59671	1.88E-49	positive
ROBO1	LINC0254	0.55578	8.58E-42	positive
CTF1	LINC0254	0.52386	1.63E-36	positive
JAG2	LINC0254	0.55733	4.61E-42	positive
NRG2	LINC0254	0.55906	2.29E-42	positive
NTF4	LINC0254	0.74747	2.46E-90	positive
MET	LINC0254	0.67399	2.32E-67	positive
RARB	LINC0254	0.62006	2.44E-54	positive
RARG	LINC0254	0.72786	1.81E-83	positive
MAP3K14	LINC0254	0.53067	1.35E-37	positive
AKT2	AC02203	0.54521	5.55E-40	positive
FGFR2	AC02203	0.65519	1.62E-62	positive
OPRK1	AC02203	0.57696	1.27E-45	positive
AZGP1	LINC0084	0.5446	7.02E-40	positive
SLC22A1	LINC0084	0.59077	2.84E-48	positive
CCK	LINC0084	0.62731	6.11E-56	positive
DDX17	MIR600H	0.60342	8.13E-51	positive
APLN	MIR600H	0.57177	1.17E-44	positive
TACR1	MIR600H	0.51882	9.87E-36	positive
PLCG1	MIR600H	0.5089	3.15E-34	positive
SH3BP2	MIR600H	0.53267	6.46E-38	positive
CANX	Z69706.1	-0.50015	6.07E-33	negative
RFXANK	Z69706.1	0.52482	1.15E-36	positive
LMBR1L	Z69706.1	0.52545	9.13E-37	positive
IRF3	Z69706.1	0.59324	9.25E-49	positive
AGER	Z69706.1	0.61814	6.38E-54	positive
SYTL1	LINC0113	0.51727	1.71E-35	positive
IL17RC	LINC0113	0.52638	6.52E-37	positive
UCN	AC14100	0.50389	1.73E-33	positive
ZC3HAV1	MALAT1	0.55775	3.88E-42	positive
ZC3HAV1	MALAT1	0.63369	2.18E-57	positive
SP1	MALAT1	0.50668	6.71E-34	positive
IL7R	MALAT1	0.58564	2.84E-47	positive
DDX17	MALAT1	0.5427	1.46E-39	positive
NFAT5	MALAT1	0.76871	1.59E-98	positive
NFATC3	MALAT1	0.60642	1.96E-51	positive
AKT3	MALAT1	0.58836	8.43E-48	positive
SLIT2	MALAT1	0.50068	5.09E-33	positive
RORA	MALAT1	0.82644	#####	positive
SOS1	MALAT1	0.6213	1.30E-54	positive
CBL	MALAT1	0.68928	1.42E-71	positive
LEAP2	SNHG1	0.58554	2.97E-47	positive
LMBR1L	SNHG1	0.52965	1.97E-37	positive
ZC3HAV1	AC09019	0.57717	1.16E-45	positive
ZC3HAV1	AC09019	0.55115	5.44E-41	positive
MAPK14	AC09019	0.50421	1.55E-33	positive
EIF2AK2	AC09019	0.50163	3.70E-33	positive
SP1	AC09019	0.58296	9.32E-47	positive
DDX17	AC09019	0.56377	3.33E-43	positive

PTK2	AC09019	0.58687	1.64E-47	positive
NFAT5	AC09019	0.58673	1.75E-47	positive
ACVR2B	AC09019	0.5162	2.49E-35	positive
CRLF3	AC09019	0.56477	2.20E-43	positive
NR2C2	AC09019	0.69454	4.39E-73	positive
RORA	AC09019	0.61381	5.43E-53	positive
SOS1	AC09019	0.61516	2.80E-53	positive
CBL	AC09019	0.61092	2.23E-52	positive
PSMC5	AC14247	0.53185	8.77E-38	positive
RFXANK	AC14247	0.63873	1.49E-58	positive
UBXN1	AC14247	0.55262	3.04E-41	positive
LCN12	AC14247	0.51339	6.66E-35	positive
IRF3	AC14247	0.58389	6.17E-47	positive
MAPK1	AC14247	-0.52802	3.59E-37	negative
IREB2	AC14247	-0.50039	5.61E-33	negative
MAP2K2	AC14247	0.59335	8.78E-49	positive
AGER	AC14247	0.56113	9.83E-43	positive
HRAS	AC14247	0.59841	8.53E-50	positive
CLEC11A	AC14247	0.51078	1.64E-34	positive
UCN	AC14247	0.62898	2.57E-56	positive
IGF2R	AC14247	-0.53163	9.51E-38	negative
NR2F6	AC14247	0.55454	1.41E-41	positive
PTPN11	AC14247	-0.54211	1.83E-39	negative
LEAP2	AC13287	0.58846	8.04E-48	positive
LMBR1L	AC13287	0.5548	1.27E-41	positive
DDX17	AC13287	0.65313	5.23E-62	positive
IRF9	AC13287	0.51796	1.34E-35	positive
NENF	AC00477	-0.50006	6.25E-33	negative
NR2C2	AC00477	0.53329	5.14E-38	positive
KCNH2	FZD10-A	0.57456	3.57E-45	positive
EDN3	FZD10-A	0.612	1.32E-52	positive
CALCA	FZD10-A	0.54309	1.26E-39	positive
CTF1	FZD10-A	0.50106	4.47E-33	positive
FGF1	FZD10-A	0.63032	1.28E-56	positive
NRG2	FZD10-A	0.52345	1.88E-36	positive
NTF4	FZD10-A	0.50902	3.02E-34	positive
PDGFC	FZD10-A	0.50062	5.19E-33	positive
NGFR	FZD10-A	0.5395	4.97E-39	positive
NR2F1	FZD10-A	0.58744	1.28E-47	positive
LEAP2	AL02232	0.58138	1.86E-46	positive
LMBR1L	AL02232	0.60687	1.58E-51	positive
TYK2	AL02232	0.55603	7.77E-42	positive
DDX17	AL02232	0.56727	7.79E-44	positive
ANOS1	AC00807	0.51628	2.42E-35	positive
DDX17	AL35473	0.50413	1.60E-33	positive
LEAP2	AC09764	0.63812	2.07E-58	positive
AGER	AC09764	0.50884	3.20E-34	positive
CD1C	PCED1B-	0.62838	3.50E-56	positive
CD1D	PCED1B-	0.73372	1.86E-85	positive
CD1E	PCED1B-	0.59424	5.86E-49	positive
CD4	PCED1B-	0.82607	#####	positive
CD8A	PCED1B-	0.77736	#####	positive
CD8B	PCED1B-	0.5949	4.32E-49	positive
CD74	PCED1B-	0.7982	#####	positive
CTSS	PCED1B-	0.67789	2.06E-68	positive
FCER1G	PCED1B-	0.74016	1.06E-87	positive

HLA-DMA	PCED1B-	0.73031	2.72E-84	postive
HLA-DOA	PCED1B-	0.68705	6.04E-71	postive
HLA-DOB	PCED1B-	0.87957	#####	postive
HLA-DPA	PCED1B-	0.66042	7.85E-64	postive
HLA-DPB	PCED1B-	0.79804	#####	postive
HLA-DQA	PCED1B-	0.71333	9.32E-79	postive
HLA-DQA	PCED1B-	0.60677	1.65E-51	postive
HLA-DQB	PCED1B-	0.63657	4.75E-58	postive
HLA-DRA	PCED1B-	0.66916	4.38E-66	postive
HLA-DRB	PCED1B-	0.73257	4.63E-85	postive
HLA-E	PCED1B-	0.63152	6.83E-57	postive
HLA-F	PCED1B-	0.67621	5.88E-68	postive
CIITA	PCED1B-	0.71473	3.37E-79	postive
TAP2	PCED1B-	0.62002	2.48E-54	postive
CXCL9	PCED1B-	0.60234	1.36E-50	postive
CXCL13	PCED1B-	0.77449	#####	postive
MMP9	PCED1B-	0.59138	2.16E-48	postive
APOBEC:	PCED1B-	0.6903	7.26E-72	postive
TLR2	PCED1B-	0.55723	4.79E-42	postive
CYBB	PCED1B-	0.64182	2.80E-59	postive
IDO1	PCED1B-	0.6503	2.59E-61	postive
SOCS1	PCED1B-	0.51244	9.24E-35	postive
CD40	PCED1B-	0.51075	1.66E-34	postive
IKBKE	PCED1B-	0.60643	1.95E-51	postive
CCL5	PCED1B-	0.85789	#####	postive
GNLY	PCED1B-	0.51569	2.97E-35	postive
TLR1	PCED1B-	0.50431	1.50E-33	postive
IL18	PCED1B-	0.73558	4.24E-86	postive
IL7R	PCED1B-	0.64938	4.33E-61	postive
CD14	PCED1B-	0.55971	1.75E-42	postive
TRIM22	PCED1B-	0.55819	3.25E-42	postive
PDCD1	PCED1B-	0.83151	#####	postive
VCAM1	PCED1B-	0.59554	3.22E-49	postive
GBP2	PCED1B-	0.68178	1.77E-69	postive
CCL19	PCED1B-	0.8542	#####	postive
CCL17	PCED1B-	0.60877	6.31E-52	postive
CCL22	PCED1B-	0.70738	6.49E-77	postive
CCR7	PCED1B-	0.88706	#####	postive
CCR5	PCED1B-	0.83446	#####	postive
CCR1	PCED1B-	0.60322	8.96E-51	postive
CXCR4	PCED1B-	0.79086	#####	postive
CXCR6	PCED1B-	0.80118	#####	postive
FGR	PCED1B-	0.61282	8.83E-53	postive
CD86	PCED1B-	0.77514	#####	postive
HCK	PCED1B-	0.70941	1.55E-77	postive
CD79A	PCED1B-	0.78136	#####	postive
CD79B	PCED1B-	0.7925	#####	postive
SYK	PCED1B-	0.51412	5.17E-35	postive
BTK	PCED1B-	0.83864	#####	postive
VAV1	PCED1B-	0.76177	9.42E-96	postive
RAC2	PCED1B-	0.90114	#####	postive
CARD11	PCED1B-	0.81712	#####	postive
NFKBIE	PCED1B-	0.55825	3.18E-42	postive
PIK3R5	PCED1B-	0.70282	1.57E-75	postive
PIK3CD	PCED1B-	0.79217	#####	postive
INPP5D	PCED1B-	0.73489	7.36E-86	postive

CD22	PCED1B-	0.70433	5.53E-76	postive
CD72	PCED1B-	0.91549	#####	postive
PTPN6	PCED1B-	0.6593	1.51E-63	postive
PLCG2	PCED1B-	0.74541	1.39E-89	postive
PRKCB	PCED1B-	0.51839	1.15E-35	postive
IGHA1	PCED1B-	0.56237	5.91E-43	postive
IGHA2	PCED1B-	0.54379	9.60E-40	postive
IGHG1	PCED1B-	0.65496	1.84E-62	postive
IGHG2	PCED1B-	0.57304	6.84E-45	postive
IGHG3	PCED1B-	0.56076	1.14E-42	postive
IGHJ2	PCED1B-	0.53283	6.10E-38	postive
IGHJ3	PCED1B-	0.52443	1.32E-36	postive
IGHM	PCED1B-	0.52224	2.91E-36	postive
IGHV1-18	PCED1B-	0.59021	3.67E-48	postive
IGHV1-2	PCED1B-	0.55964	1.80E-42	postive
IGHV1-24	PCED1B-	0.50672	6.62E-34	postive
IGHV1-46	PCED1B-	0.5291	2.41E-37	postive
IGHV1-69	PCED1B-	0.51296	7.74E-35	postive
IGHV2-5	PCED1B-	0.52671	5.79E-37	postive
IGHV2-70	PCED1B-	0.52932	2.22E-37	postive
IGHV3-15	PCED1B-	0.55392	1.81E-41	postive
IGHV3-21	PCED1B-	0.57034	2.15E-44	postive
IGHV3-23	PCED1B-	0.52063	5.18E-36	postive
IGHV3-48	PCED1B-	0.51781	1.41E-35	postive
IGHV3-49	PCED1B-	0.55786	3.71E-42	postive
IGHV3-7	PCED1B-	0.59066	2.98E-48	postive
IGHV3-74	PCED1B-	0.56251	5.58E-43	postive
IGHV4-28	PCED1B-	0.52828	3.26E-37	postive
IGHV4-39	PCED1B-	0.54719	2.57E-40	postive
IGKC	PCED1B-	0.71387	6.31E-79	postive
IGKJ5	PCED1B-	0.62483	2.18E-55	postive
IGKV1-16	PCED1B-	0.58219	1.30E-46	postive
IGKV1-17	PCED1B-	0.5568	5.70E-42	postive
IGKV1-5	PCED1B-	0.60632	2.05E-51	postive
IGKV1-6	PCED1B-	0.54118	2.61E-39	postive
IGKV1-8	PCED1B-	0.60109	2.44E-50	postive
IGKV1-9	PCED1B-	0.58812	9.39E-48	postive
IGKV1D-1	PCED1B-	0.5512	5.32E-41	postive
IGKV2-24	PCED1B-	0.52378	1.68E-36	postive
IGKV2-30	PCED1B-	0.60124	2.28E-50	postive
IGKV3-11	PCED1B-	0.66476	6.10E-65	postive
IGKV3-15	PCED1B-	0.53876	6.58E-39	postive
IGKV3-20	PCED1B-	0.62583	1.30E-55	postive
IGKV5-2	PCED1B-	0.63341	2.53E-57	postive
IGLC2	PCED1B-	0.7284	1.19E-83	postive
IGLC3	PCED1B-	0.53641	1.60E-38	postive
IGLV1-36	PCED1B-	0.55869	2.66E-42	postive
IGLV1-51	PCED1B-	0.53189	8.64E-38	postive
IGLV2-11	PCED1B-	0.55417	1.64E-41	postive
IGLV2-14	PCED1B-	0.51192	1.11E-34	postive
IGLV2-23	PCED1B-	0.57354	5.53E-45	postive
IGLV2-8	PCED1B-	0.5598	1.69E-42	postive
IGLV3-1	PCED1B-	0.6037	7.14E-51	postive
IGLV3-25	PCED1B-	0.53492	2.79E-38	postive
IGLV7-46	PCED1B-	0.5396	4.78E-39	postive
C3	PCED1B-	0.61051	2.72E-52	postive

SEMA4D	PCED1B-	0.50699	6.05E-34	postive
SEMA7A	PCED1B-	0.73316	2.90E-85	postive
TYMP	PCED1B-	0.70582	1.94E-76	postive
CMKLR1	PCED1B-	0.58253	1.12E-46	postive
CXCR3	PCED1B-	0.83733	#####	postive
PLXNC1	PCED1B-	0.59422	5.90E-49	postive
PTAFR	PCED1B-	0.69947	1.57E-74	postive
ADA2	PCED1B-	0.53956	4.85E-39	postive
EBI3	PCED1B-	0.86106	#####	postive
FLT3LG	PCED1B-	0.61717	1.03E-53	postive
GMFG	PCED1B-	0.88641	#####	postive
IL16	PCED1B-	0.84313	#####	postive
IL24	PCED1B-	0.84135	#####	postive
IL32	PCED1B-	0.71824	2.58E-80	postive
LTB	PCED1B-	0.87656	#####	postive
TNFSF13	PCED1B-	0.8101	#####	postive
C3AR1	PCED1B-	0.50733	5.37E-34	postive
CRLF3	PCED1B-	0.52762	4.15E-37	postive
CSF1R	PCED1B-	0.55858	2.77E-42	postive
CSF2RA	PCED1B-	0.75098	1.25E-91	postive
CSF2RB	PCED1B-	0.6858	1.36E-70	postive
CSF3R	PCED1B-	0.54373	9.83E-40	postive
IL10RA	PCED1B-	0.82758	#####	postive
IL15RA	PCED1B-	0.57724	1.13E-45	postive
IL2RB	PCED1B-	0.78317	#####	postive
IL18R1	PCED1B-	0.51418	5.04E-35	postive
IL27RA	PCED1B-	0.66772	1.04E-65	postive
IL2RG	PCED1B-	0.90421	#####	postive
TNFRSF1	PCED1B-	0.79528	#####	postive
TNFRSF2	PCED1B-	0.74482	2.27E-89	postive
TNFRSF4	PCED1B-	0.8063	#####	postive
ICAM2	PCED1B-	0.5464	3.50E-40	postive
ITGAL	PCED1B-	0.87386	#####	postive
ITGB2	PCED1B-	0.75586	1.82E-93	postive
TYROBP	PCED1B-	0.6879	3.48E-71	postive
LCK	PCED1B-	0.84044	#####	postive
FCGR3A	PCED1B-	0.54357	1.05E-39	postive
CD247	PCED1B-	0.942	#####	postive
ZAP70	PCED1B-	0.7912	#####	postive
LCP2	PCED1B-	0.76963	6.76E-99	postive
FYN	PCED1B-	0.72781	1.88E-83	postive
HCST	PCED1B-	0.771	1.85E-99	postive
CD48	PCED1B-	0.94484	#####	postive
GZMB	PCED1B-	0.69211	2.20E-72	postive
PRF1	PCED1B-	0.8278	#####	postive
CD3D	PCED1B-	0.92253	#####	postive
CD3E	PCED1B-	0.93573	#####	postive
CD3G	PCED1B-	0.81703	#####	postive
PTPRC	PCED1B-	0.75629	1.25E-93	postive
CD28	PCED1B-	0.63678	4.23E-58	postive
CTLA4	PCED1B-	0.63064	1.08E-56	postive
TRAC	PCED1B-	0.93922	#####	postive
TRBC2	PCED1B-	0.8683	#####	postive
TRBJ2-3	PCED1B-	0.60495	3.93E-51	postive
TRBJ2-7	PCED1B-	0.62851	3.27E-56	postive
TRBV7-9	PCED1B-	0.73569	3.88E-86	postive

TRBV19	PCED1B-	0.78429	#####	positive
TRBV20-	PCED1B-	0.83802	#####	positive
TRBV28	PCED1B-	0.90044	#####	positive
TRBV29-	PCED1B-	0.79717	#####	positive
ESRRA	DANCR	0.52595	7.64E-37	positive
NFAT5	AC01892	0.50093	4.67E-33	positive
AKT3	AC01892	0.5008	4.89E-33	positive
RORA	AC01892	0.57098	1.64E-44	positive
AP3B1	AC00578	-0.53685	1.35E-38	negative
LEAP2	AC00578	0.59241	1.35E-48	positive
LCN12	AC00578	0.61665	1.34E-53	positive
LMBR1L	AC00578	0.59638	2.19E-49	positive
IRF3	AC00578	0.60254	1.23E-50	positive
C8G	AC00578	0.5428	1.41E-39	positive
LTB4R	AC00578	0.53668	1.44E-38	positive
LANCL1	AC00578	-0.52326	2.02E-36	negative
AGER	AC00578	0.76583	2.31E-97	positive
HRAS	AC00578	0.52654	6.16E-37	positive
UCN	AC00578	0.60706	1.44E-51	positive
IGF2R	AC00578	-0.50746	5.15E-34	negative
SOCS3	AC02091	0.52128	4.11E-36	positive
PTGS2	AC02091	0.53205	8.13E-38	positive
FOS	AC02091	0.63111	8.46E-57	positive
HBEGF	AC02091	0.70057	7.40E-75	positive
NR4A1	AC02091	0.60523	3.45E-51	positive
NR4A2	AC02091	0.56422	2.76E-43	positive
LEAP2	CCDC18-	0.59859	7.87E-50	positive
LMBR1L	CCDC18-	0.61	3.49E-52	positive
DDX17	CCDC18-	0.6213	1.31E-54	positive
LEAP2	AC23227	0.6601	9.48E-64	positive
DDX17	AC23227	0.59077	2.84E-48	positive
PSMD13	HDHD5-A	0.53854	7.15E-39	positive
RFXANK	HDHD5-A	0.58877	7.01E-48	positive
UBR1	HDHD5-A	-0.53118	1.12E-37	negative
MAPK1	HDHD5-A	-0.50917	2.86E-34	negative
STAT3	HDHD5-A	-0.50557	9.79E-34	negative
JAK1	HDHD5-A	-0.53025	1.58E-37	negative
MAP2K2	HDHD5-A	0.56377	3.33E-43	positive
MIF	HDHD5-A	0.56271	5.14E-43	positive
HRAS	HDHD5-A	0.56023	1.42E-42	positive
IL6ST	HDHD5-A	-0.51899	9.30E-36	negative
UCN	HDHD5-A	0.64014	6.97E-59	positive
NR2F6	HDHD5-A	0.60526	3.40E-51	positive
PTPN11	HDHD5-A	-0.55658	6.23E-42	negative
CREB1	AL04984	0.51423	4.97E-35	positive
UBR1	AL04984	0.56488	2.10E-43	positive
ZC3HAV1	AL04984	0.57754	9.92E-46	positive
ZC3HAV1	AL04984	0.58925	5.64E-48	positive
CYLD	AL04984	0.56031	1.38E-42	positive
MAPK14	AL04984	0.5022	3.06E-33	positive
EIF2AK2	AL04984	0.55216	3.64E-41	positive
AHNAK	AL04984	0.59074	2.89E-48	positive
SP1	AL04984	0.5837	6.72E-47	positive
DDX17	AL04984	0.67957	7.21E-69	positive
JAK2	AL04984	0.52255	2.60E-36	positive
NFAT5	AL04984	0.70907	1.97E-77	positive

NFATC3	AL049840	0.60158	1.94E-50	positive
PLXNC1	AL049840	0.50589	8.77E-34	positive
CRLF3	AL049840	0.56907	3.66E-44	positive
NR2C2	AL049840	0.75112	1.11E-91	positive
PPARA	AL049840	0.54695	2.82E-40	positive
RORA	AL049840	0.70631	1.38E-76	positive
SOS1	AL049840	0.63603	6.33E-58	positive
SOS2	AL049840	0.50894	3.10E-34	positive
PRKCA	AL049840	0.51443	4.63E-35	positive
CBL	AL049840	0.62922	2.27E-56	positive
CBLB	AL049840	0.53839	7.56E-39	positive
LEAP2	TMEM147	0.54974	9.48E-41	positive
LMBR1L	TMEM147	0.58503	3.72E-47	positive
TYK2	TMEM147	0.61552	2.34E-53	positive
LTB4R	TMEM147	0.51521	3.52E-35	positive
AGER	TMEM147	0.54228	1.72E-39	positive
EPOR	TMEM147	0.52504	1.06E-36	positive
MC1R	TMEM147	0.56201	6.87E-43	positive
WNT5A	WNT5A-A	0.80174	#####	positive
PDGFA	AC14765	0.51597	2.70E-35	positive
CTSB	MIR205H	0.52114	4.32E-36	positive
DEFB1	MIR205H	0.78188	#####	positive
S100A2	MIR205H	0.62517	1.83E-55	positive
S100A14	MIR205H	0.80866	#####	positive
S100A16	MIR205H	0.64624	2.49E-60	positive
WFDC2	MIR205H	0.6601	9.51E-64	positive
APOBEC	MIR205H	0.53739	1.11E-38	positive
DUOX1	MIR205H	0.75988	5.14E-95	positive
CD40	MIR205H	0.65638	8.15E-63	positive
ROBO3	MIR205H	0.63652	4.88E-58	positive
STING1	MIR205H	0.6278	4.74E-56	positive
IL18	MIR205H	0.54617	3.82E-40	positive
APOBEC	MIR205H	0.64261	1.82E-59	positive
GBP2	MIR205H	0.54923	1.16E-40	positive
CX3CL1	MIR205H	0.58341	7.64E-47	positive
CTF1	MIR205H	0.63852	1.67E-58	positive
FLT3LG	MIR205H	0.5024	2.85E-33	positive
JAG2	MIR205H	0.57396	4.61E-45	positive
NRG2	MIR205H	0.61263	9.68E-53	positive
NTF4	MIR205H	0.85398	#####	positive
MET	MIR205H	0.54939	1.09E-40	positive
RARB	MIR205H	0.51791	1.36E-35	positive
RARG	MIR205H	0.69701	8.33E-74	positive
TNFRSF2	MIR205H	0.51077	1.65E-34	positive
FCGRT	HOXA-AS	0.51683	1.99E-35	positive
LMBR1L	HOXA-AS	0.51766	1.49E-35	positive
S100A14	HOXA-AS	0.51625	2.44E-35	positive
S100A16	HOXA-AS	0.53457	3.18E-38	positive
AGER	HOXA-AS	0.5069	6.22E-34	positive
NTF4	HOXA-AS	0.53632	1.65E-38	positive
DDX17	ATP1A1-/-	0.51343	6.56E-35	positive
NFAT5	ATP1A1-/-	0.5624	5.85E-43	positive
RORA	ATP1A1-/-	0.54029	3.68E-39	positive
LEAP2	MMP25-A	0.6166	1.37E-53	positive
LTB4R	MMP25-A	0.54523	5.50E-40	positive
IL7R	MMP25-A	0.53381	4.23E-38	positive

CIITA	AL512791	0.56927	3.36E-44	postive
LEAP2	AL512791	0.50536	1.05E-33	postive
ZC3HAV1	AL512791	0.54134	2.47E-39	postive
ZC3HAV1	AL512791	0.51642	2.30E-35	postive
CYLD	AL512791	0.50056	5.29E-33	postive
MX2	AL512791	0.51005	2.12E-34	postive
IL7R	AL512791	0.59782	1.12E-49	postive
DDX17	AL512791	0.62002	2.50E-54	postive
IRF9	AL512791	0.51079	1.64E-34	postive
TRIM22	AL512791	0.53634	1.64E-38	postive
JAK2	AL512791	0.51272	8.41E-35	postive
NFAT5	AL512791	0.67855	1.36E-68	postive
PLXNC1	AL512791	0.53601	1.86E-38	postive
CRLF3	AL512791	0.50658	6.95E-34	postive
NR2C2	AL512791	0.54486	6.36E-40	postive
RORA	AL512791	0.68744	4.69E-71	postive
LCP2	AL512791	0.54659	3.25E-40	postive
SOS1	AL512791	0.58516	3.52E-47	postive
PTPRC	AL512791	0.50061	5.20E-33	postive
MAP3K8	AL512791	0.52508	1.04E-36	postive
CBL	AL512791	0.57941	4.40E-46	postive
ZC3HAV1	AC10453	0.56621	1.21E-43	postive
EIF2AK2	AC10453	0.52064	5.16E-36	postive
SP1	AC10453	0.56003	1.54E-42	postive
DDX17	AC10453	0.7265	5.15E-83	postive
NFAT5	AC10453	0.54376	9.73E-40	postive
AKT3	AC10453	0.5408	3.03E-39	postive
BRD8	AC10453	0.50923	2.81E-34	postive
NR2C2	AC10453	0.68253	1.10E-69	postive
RORA	AC10453	0.54532	5.32E-40	postive
SOS1	AC10453	0.52589	7.80E-37	postive
TEC	AC10453	0.50164	3.69E-33	postive
CBL	AC10453	0.53257	6.72E-38	postive
CBLB	AC10453	0.5133	6.87E-35	postive
LTB4R	SLC9A3-/-	0.56335	3.95E-43	postive
AMH	SLC9A3-/-	0.59914	6.08E-50	postive
LRSAM1	SLC9A3-/-	0.55015	8.05E-41	postive
NFAT5	AC03719	0.6351	1.04E-57	postive
NFATC3	AC03719	0.50073	4.99E-33	postive
RORA	AC03719	0.71411	5.29E-79	postive
PRKCA	AC03719	0.54749	2.28E-40	postive
PSMD10	AC10446	-0.50192	3.36E-33	negative
RFXANK	AC10446	0.52312	2.12E-36	postive
IRF3	AC10446	0.55161	4.52E-41	postive
AGER	AC10446	0.62235	7.69E-55	postive
SEM1	AL44552	0.5888	6.93E-48	postive
PPIA	AL44552	0.53002	1.72E-37	postive
NENF	AL44552	0.52063	5.18E-36	postive
PTGDS	PGM5-AS	0.57808	7.85E-46	postive
S100A6	PGM5-AS	0.60638	1.99E-51	postive
S100A14	PGM5-AS	0.5245	1.29E-36	postive
S100A16	PGM5-AS	0.56744	7.25E-44	postive
SLC22A1	PGM5-AS	0.60226	1.41E-50	postive
WFDC2	PGM5-AS	0.59518	3.81E-49	postive
RBP1	PGM5-AS	0.56345	3.79E-43	postive
FABP3	PGM5-AS	0.53426	3.58E-38	postive

CSRP1	PGM5-AS	0.79547	#####	postive
CD81	PGM5-AS	0.53717	1.20E-38	postive
TPM2	PGM5-AS	0.67151	1.06E-66	postive
DES	PGM5-AS	0.67644	5.07E-68	postive
APOBEC	PGM5-AS	0.58918	5.84E-48	postive
ANXA6	PGM5-AS	0.6512	1.56E-61	postive
NFATC4	PGM5-AS	0.56865	4.37E-44	postive
CTF1	PGM5-AS	0.76277	3.79E-96	postive
IL17B	PGM5-AS	0.57964	3.99E-46	postive
NDP	PGM5-AS	0.6321	5.06E-57	postive
NRG2	PGM5-AS	0.63781	2.45E-58	postive
NRTN	PGM5-AS	0.60017	3.75E-50	postive
NTF4	PGM5-AS	0.54485	6.38E-40	postive
OGN	PGM5-AS	0.53928	5.39E-39	postive
TNFSF12	PGM5-AS	0.55035	7.44E-41	postive
TSLP	PGM5-AS	0.57542	2.47E-45	postive
ANGPT1	PGM5-AS	0.53707	1.25E-38	postive
LGR6	PGM5-AS	0.53493	2.79E-38	postive
PTH1R	PGM5-AS	0.58063	2.58E-46	postive
PTGDS	AP00110	0.6085	7.20E-52	postive
S100A6	AP00110	0.6381	2.09E-58	postive
S100A16	AP00110	0.54487	6.32E-40	postive
TINAGL1	AP00110	0.62605	1.16E-55	postive
SLC22A1	AP00110	0.53544	2.30E-38	postive
WFDC2	AP00110	0.51952	7.69E-36	postive
RBP1	AP00110	0.57395	4.64E-45	postive
FABP3	AP00110	0.62995	1.55E-56	postive
ZYX	AP00110	0.60992	3.63E-52	postive
CSRP1	AP00110	0.90815	#####	postive
CD81	AP00110	0.51136	1.34E-34	postive
TPM2	AP00110	0.75585	1.83E-93	postive
DES	AP00110	0.79937	#####	postive
KCNH2	AP00110	0.5607	1.17E-42	postive
ILK	AP00110	0.52293	2.27E-36	postive
APOBEC	AP00110	0.51445	4.60E-35	postive
MASP1	AP00110	0.53465	3.09E-38	postive
ANXA6	AP00110	0.74573	1.06E-89	postive
NFATC4	AP00110	0.68707	6.00E-71	postive
PRKCB	AP00110	0.50982	2.29E-34	postive
SEMA3B	AP00110	0.5168	2.01E-35	postive
EDNRA	AP00110	0.56095	1.06E-42	postive
CTF1	AP00110	0.74871	8.64E-91	postive
IL17B	AP00110	0.63744	2.97E-58	postive
NDP	AP00110	0.67566	8.25E-68	postive
NRG2	AP00110	0.5803	2.98E-46	postive
NRTN	AP00110	0.56867	4.34E-44	postive
OGN	AP00110	0.60113	2.40E-50	postive
PGF	AP00110	0.55853	2.84E-42	postive
PROK1	AP00110	0.54537	5.22E-40	postive
TNFSF12	AP00110	0.60465	4.55E-51	postive
TSLP	AP00110	0.65804	3.14E-63	postive
ANGPT1	AP00110	0.57808	7.85E-46	postive
ANGPTL1	AP00110	0.64192	2.66E-59	postive
CNTFR	AP00110	0.5002	5.98E-33	postive
FGFR1	AP00110	0.63368	2.20E-57	postive
LGR6	AP00110	0.56552	1.61E-43	postive

PTGER2	AP001101	0.52814	3.43E-37	postive
PTH1R	AP001101	0.66581	3.27E-65	postive
S1PR2	AP001101	0.57789	8.53E-46	postive
SDC3	AP001101	0.52221	2.94E-36	postive
DDX17	AP001629	0.57776	8.99E-46	postive
TKFC	BX537318	0.55019	7.94E-41	postive
CREB1	TRIM52-A	-0.51412	5.15E-35	negative
PSMC3	TRIM52-A	0.52817	3.40E-37	postive
PSMC5	TRIM52-A	0.51204	1.07E-34	postive
RFXANK	TRIM52-A	0.62443	2.67E-55	postive
PSME3	TRIM52-A	-0.51006	2.11E-34	negative
UBXN1	TRIM52-A	0.60961	4.21E-52	postive
UBR1	TRIM52-A	-0.56382	3.25E-43	negative
S100A13	TRIM52-A	0.51599	2.68E-35	postive
MAPK1	TRIM52-A	-0.56566	1.52E-43	negative
IREB2	TRIM52-A	-0.54792	1.94E-40	negative
MAP2K2	TRIM52-A	0.52187	3.32E-36	postive
TBK1	TRIM52-A	-0.53766	9.99E-39	negative
HRAS	TRIM52-A	0.57695	1.28E-45	postive
CHUK	TRIM52-A	-0.51547	3.22E-35	negative
PIK3CA	TRIM52-A	-0.50742	5.22E-34	negative
CMTM6	TRIM52-A	-0.52933	2.22E-37	negative
NENF	TRIM52-A	0.55223	3.54E-41	postive
IGF2R	TRIM52-A	-0.53436	3.45E-38	negative
PTPN11	TRIM52-A	-0.56796	5.83E-44	negative
PAK2	TRIM52-A	-0.51638	2.33E-35	negative
PTGDS	AC015921	0.52984	1.84E-37	postive
S100A6	AC015921	0.62244	7.33E-55	postive
S100A16	AC015921	0.60417	5.71E-51	postive
WFDC2	AC015921	0.543	1.30E-39	postive
RBP1	AC015921	0.54403	8.76E-40	postive
CSRP1	AC015921	0.58887	6.71E-48	postive
CD81	AC015921	0.50773	4.68E-34	postive
TPM2	AC015921	0.50507	1.16E-33	postive
DES	AC015921	0.54176	2.10E-39	postive
ANXA6	AC015921	0.59264	1.22E-48	postive
NFATC4	AC015921	0.5097	2.39E-34	postive
CX3CL1	AC015921	0.50377	1.80E-33	postive
CTF1	AC015921	0.61773	7.84E-54	postive
NDP	AC015921	0.50072	5.01E-33	postive
NRG2	AC015921	0.53087	1.26E-37	postive
NRTN	AC015921	0.50174	3.57E-33	postive
TSLP	AC015921	0.55158	4.58E-41	postive
PTH1R	AC015921	0.55762	4.09E-42	postive
S1PR2	AC015921	0.5068	6.46E-34	postive
S100A6	HHIP-AS1	0.59295	1.06E-48	postive
S100A16	HHIP-AS1	0.50306	2.29E-33	postive
TINAGL1	HHIP-AS1	0.56587	1.39E-43	postive
RBP1	HHIP-AS1	0.58177	1.57E-46	postive
CD40	HHIP-AS1	0.5149	3.93E-35	postive
ZYX	HHIP-AS1	0.53791	9.09E-39	postive
CSRP1	HHIP-AS1	0.7153	2.22E-79	postive
TPM2	HHIP-AS1	0.53385	4.17E-38	postive
STING1	HHIP-AS1	0.51299	7.65E-35	postive
DES	HHIP-AS1	0.57721	1.14E-45	postive
KCNH2	HHIP-AS1	0.56376	3.34E-43	postive

ILK	HHIP-AS	0.52718	4.87E-37	postive
APOBEC	HHIP-AS	0.50786	4.49E-34	postive
ANXA6	HHIP-AS	0.71298	1.20E-78	postive
GBP2	HHIP-AS	0.509	3.04E-34	postive
NFATC4	HHIP-AS	0.60092	2.65E-50	postive
FGF10	HHIP-AS	0.53138	1.04E-37	postive
EDNRA	HHIP-AS	0.63008	1.45E-56	postive
BMP1	HHIP-AS	0.53626	1.69E-38	postive
BMP4	HHIP-AS	0.57433	3.93E-45	postive
CTF1	HHIP-AS	0.66114	5.16E-64	postive
FLT3LG	HHIP-AS	0.55767	4.01E-42	postive
IL33	HHIP-AS	0.54225	1.74E-39	postive
IL34	HHIP-AS	0.60078	2.82E-50	postive
LTBP4	HHIP-AS	0.51	2.15E-34	postive
NDP	HHIP-AS	0.58398	5.93E-47	postive
NRG2	HHIP-AS	0.5179	1.37E-35	postive
OGN	HHIP-AS	0.63012	1.42E-56	postive
PDGFC	HHIP-AS	0.66697	1.63E-65	postive
TNFSF12	HHIP-AS	0.55218	3.62E-41	postive
TSLP	HHIP-AS	0.55127	5.18E-41	postive
ANGPT1	HHIP-AS	0.53677	1.40E-38	postive
ANGPTL1	HHIP-AS	0.5275	4.34E-37	postive
FGFR1	HHIP-AS	0.62366	3.95E-55	postive
NR2F1	HHIP-AS	0.70077	6.47E-75	postive
PGR	HHIP-AS	0.55897	2.37E-42	postive
PTGER2	HHIP-AS	0.5936	7.85E-49	postive
PTH1R	HHIP-AS	0.56037	1.34E-42	postive
RARB	HHIP-AS	0.50586	8.86E-34	postive
RARG	HHIP-AS	0.50456	1.38E-33	postive
S1PR2	HHIP-AS	0.51488	3.96E-35	postive
SDC3	HHIP-AS	0.60364	7.33E-51	postive
TGFBR3	HHIP-AS	0.52859	2.92E-37	postive
UBXN1	GAS5	0.51093	1.56E-34	postive
STAT3	GAS5	-0.54235	1.67E-39	negative
PPIA	GAS5	0.51858	1.07E-35	postive
UCN	GAS5	0.51804	1.30E-35	postive
SORT1	GAS5	-0.53777	9.56E-39	negative
LEAP2	AL117379	0.64587	3.05E-60	postive
LCN12	AL117379	0.51751	1.57E-35	postive
LMBR1L	AL117379	0.56628	1.17E-43	postive
IRF3	AL117379	0.51612	2.56E-35	postive
LTB4R	AL117379	0.52054	5.35E-36	postive
AGER	AL117379	0.66356	1.25E-64	postive
UCN	AL117379	0.56031	1.37E-42	postive
EPOR	AL117379	0.50444	1.44E-33	postive
LEAP2	HCG27	0.60423	5.54E-51	postive
RFXANK	AC02730	0.52172	3.50E-36	postive
HRAS	AC02730	0.53552	2.23E-38	postive
NENF	AC02730	0.51413	5.14E-35	postive
PSPN	AC02730	0.53765	9.99E-39	postive
NR2F6	AC02730	0.52003	6.41E-36	postive
LEAP2	MCCC1-A	0.59615	2.44E-49	postive
DDX17	MCCC1-A	0.65349	4.27E-62	postive
AKT3	MCCC1-A	0.53622	1.72E-38	postive
NR2C2	MCCC1-A	0.50902	3.02E-34	postive
RORA	MCCC1-A	0.5548	1.27E-41	postive

CBL	MCCC1-A	0.55536	1.02E-41	postive
NOX1	AC10376	0.65892	1.89E-63	postive
LEAP2	AC02091	0.54021	3.79E-39	postive
ZC3HAV1	AC02091	0.50946	2.60E-34	postive
DDX17	AC02091	0.53519	2.52E-38	postive
NFAT5	AC02091	0.71129	4.05E-78	postive
NFATC3	AC02091	0.52679	5.63E-37	postive
RORA	AC02091	0.71223	2.06E-78	postive
SOS1	AC02091	0.50047	5.46E-33	postive
PRKCA	AC02091	0.53689	1.33E-38	postive
PPIA	AC10466	0.54411	8.51E-40	postive
LEAP2	AC13065	0.61594	1.90E-53	postive
LMBR1L	AC13065	0.51727	1.71E-35	postive
DDX17	AC13065	0.51155	1.26E-34	postive
SEM1	HOTAIRM	0.58079	2.41E-46	postive
NR2F6	HOTAIRM	0.52929	2.25E-37	postive
CREB1	AC01083	0.67592	7.01E-68	postive
PSMC3	AC01083	-0.55925	2.11E-42	negative
PSMC5	AC01083	-0.51915	8.76E-36	negative
ADRM1	AC01083	-0.54873	1.41E-40	negative
ECPAS	AC01083	0.56627	1.18E-43	postive
UBR1	AC01083	0.62409	3.18E-55	postive
ZC3HAV1	AC01083	0.61559	2.26E-53	postive
ZC3HAV1	AC01083	0.62657	8.93E-56	postive
MAPK1	AC01083	0.54171	2.14E-39	postive
CYLD	AC01083	0.54214	1.81E-39	postive
MAPK14	AC01083	0.60242	1.31E-50	postive
EIF2AK2	AC01083	0.67916	9.32E-69	postive
MAPK8	AC01083	0.53845	7.40E-39	postive
ADAR	AC01083	0.54332	1.15E-39	postive
AHNAK	AC01083	0.54249	1.59E-39	postive
LMBR1	AC01083	0.51258	8.83E-35	postive
SP1	AC01083	0.70706	8.18E-77	postive
JAK1	AC01083	0.50822	3.96E-34	postive
IREB2	AC01083	0.59752	1.29E-49	postive
DDX17	AC01083	0.60529	3.35E-51	postive
MAP2K2	AC01083	-0.51222	9.98E-35	negative
PPP4C	AC01083	-0.50706	5.91E-34	negative
TANK	AC01083	0.51474	4.15E-35	postive
JAK2	AC01083	0.57844	6.71E-46	postive
PTK2	AC01083	0.61027	3.07E-52	postive
NFAT5	AC01083	0.72347	5.15E-82	postive
NFATC3	AC01083	0.60044	3.31E-50	postive
PIK3R1	AC01083	0.52412	1.48E-36	postive
PIK3CA	AC01083	0.56597	1.34E-43	postive
GSK3B	AC01083	0.55706	5.14E-42	postive
PLXNC1	AC01083	0.53219	7.74E-38	postive
ACVR2B	AC01083	0.62981	1.67E-56	postive
BMPR2	AC01083	0.61779	7.59E-54	postive
CRLF3	AC01083	0.6056	2.89E-51	postive
INSR	AC01083	0.50121	4.25E-33	postive
NR1D2	AC01083	0.50754	5.00E-34	postive
NR1H2	AC01083	-0.51475	4.14E-35	negative
NR2C2	AC01083	0.82235	#####	postive
PPARA	AC01083	0.61351	6.29E-53	postive
RORA	AC01083	0.65148	1.33E-61	postive

PTPN11	AC01083	0.58148	1.78E-46	postive
SOS1	AC01083	0.73702	1.34E-86	postive
SOS2	AC01083	0.63905	1.26E-58	postive
PRKCA	AC01083	0.55851	2.85E-42	postive
PAK2	AC01083	0.5143	4.84E-35	postive
CBL	AC01083	0.67245	5.95E-67	postive
CBLB	AC01083	0.621	1.52E-54	postive
ZC3HAV1	SDCBP2	0.52218	2.97E-36	postive
DDX17	SDCBP2	0.57671	1.42E-45	postive
NFAT5	SDCBP2	0.68621	1.04E-70	postive
NFATC3	SDCBP2	0.52928	2.26E-37	postive
AKT3	SDCBP2	0.51205	1.06E-34	postive
RORA	SDCBP2	0.73197	7.42E-85	postive
SOS1	SDCBP2	0.54325	1.18E-39	postive
CBL	SDCBP2	0.58411	5.61E-47	postive
SP1	SNHG14	0.50172	3.59E-33	postive
DDX17	SNHG14	0.593	1.03E-48	postive
NFAT5	SNHG14	0.53042	1.49E-37	postive
NR2C2	SNHG14	0.5921	1.55E-48	postive
RORA	SNHG14	0.5456	4.77E-40	postive
SOS1	SNHG14	0.50072	5.02E-33	postive
CBL	SNHG14	0.50498	1.20E-33	postive
LEAP2	AC01581	0.68514	2.08E-70	postive
DDX17	AC01581	0.66293	1.81E-64	postive
NFAT5	AC01581	0.54095	2.86E-39	postive
RORA	AC01581	0.55331	2.31E-41	postive
LEAP2	AC00912	0.65313	5.21E-62	postive
LMBR1L	AC00912	0.70869	2.57E-77	postive
TYK2	AC00912	0.54313	1.24E-39	postive
LTB4R	AC00912	0.61457	3.75E-53	postive
DDX17	AC00912	0.55671	5.92E-42	postive
AGER	AC00912	0.61107	2.07E-52	postive
PLXNB1	AC00912	0.5121	1.04E-34	postive
MC1R	AC00912	0.56206	6.71E-43	postive
TNFRSF2	AC00912	0.5091	2.93E-34	postive
PSMC3	IDH1-AS1	0.51908	9.00E-36	postive
PSMC5	IDH1-AS1	0.60544	3.11E-51	postive
RFXANK	IDH1-AS1	0.53634	1.64E-38	postive
SP1	IDH1-AS1	-0.50505	1.17E-33	negative
JAK1	IDH1-AS1	-0.51861	1.06E-35	negative
PPP4C	IDH1-AS1	0.51097	1.54E-34	postive
HRAS	IDH1-AS1	0.5366	1.49E-38	postive
MYDGF	IDH1-AS1	0.55285	2.76E-41	postive
NENF	IDH1-AS1	0.52619	7.00E-37	postive
NR2F6	IDH1-AS1	0.54032	3.63E-39	postive
PTPN11	IDH1-AS1	-0.50585	8.92E-34	negative
ZC3HAV1	AP00152	0.51328	6.91E-35	postive
NFAT5	AP00152	0.53566	2.12E-38	postive
AKT3	AP00152	0.50714	5.73E-34	postive
RORA	AP00152	0.64942	4.24E-61	postive
CBL	AP00152	0.57827	7.23E-46	postive
LEAP2	AC11691	0.62691	7.50E-56	postive
LMBR1L	AC11691	0.64297	1.49E-59	postive
DDX17	AC11691	0.53914	5.69E-39	postive
AGER	AC11691	0.55288	2.73E-41	postive
TNFRSF2	AC11691	0.53783	9.35E-39	postive

CREB1	MIR200C	-0.61278	9.03E-53	negative
PSMC3	MIR200C	0.59516	3.84E-49	postive
PSMC5	MIR200C	0.65316	5.13E-62	postive
PSMD4	MIR200C	0.56525	1.80E-43	postive
PSMD5	MIR200C	-0.50634	7.53E-34	negative
PSMD13	MIR200C	0.52115	4.30E-36	postive
RFX5	MIR200C	-0.59889	6.84E-50	negative
SEM1	MIR200C	0.5076	4.91E-34	postive
AP3B1	MIR200C	-0.57745	1.03E-45	negative
RFXANK	MIR200C	0.71117	4.41E-78	postive
PSME3	MIR200C	-0.51485	3.99E-35	negative
UBXN1	MIR200C	0.57216	9.93E-45	postive
UBR1	MIR200C	-0.62252	7.04E-55	negative
ZC3HAV1	MIR200C	-0.51011	2.07E-34	negative
S100A13	MIR200C	0.59514	3.87E-49	postive
IRF3	MIR200C	0.54662	3.21E-40	postive
MAPK1	MIR200C	-0.64452	6.39E-60	negative
CYLD	MIR200C	-0.51791	1.36E-35	negative
MAPK14	MIR200C	-0.59871	7.43E-50	negative
EIF2AK2	MIR200C	-0.54911	1.21E-40	negative
ADAR	MIR200C	-0.53183	8.82E-38	negative
AHNAK	MIR200C	-0.50508	1.16E-33	negative
LMBR1	MIR200C	-0.5201	6.26E-36	negative
SP1	MIR200C	-0.59576	2.91E-49	negative
SOD1	MIR200C	0.53408	3.82E-38	postive
ECD	MIR200C	-0.52023	5.97E-36	negative
DCK	MIR200C	-0.51455	4.44E-35	negative
BECN1	MIR200C	-0.52169	3.55E-36	negative
JAK1	MIR200C	-0.57461	3.50E-45	negative
IREB2	MIR200C	-0.59777	1.15E-49	negative
SYTL1	MIR200C	0.56319	4.22E-43	postive
SEPTIN7	MIR200C	-0.5256	8.65E-37	negative
MAP2K2	MIR200C	0.67842	1.48E-68	postive
LANCL1	MIR200C	-0.5832	8.37E-47	negative
PPP4C	MIR200C	0.52762	4.15E-37	postive
TBK1	MIR200C	-0.55342	2.21E-41	negative
MIF	MIR200C	0.50046	5.47E-33	postive
HRAS	MIR200C	0.66943	3.72E-66	postive
NRAS	MIR200C	-0.52898	2.52E-37	negative
CHUK	MIR200C	-0.54769	2.12E-40	negative
PIK3CA	MIR200C	-0.5619	7.17E-43	negative
GSK3B	MIR200C	-0.55129	5.15E-41	negative
MYDGF	MIR200C	0.61175	1.49E-52	postive
CD320	MIR200C	0.58448	4.75E-47	postive
CMTM6	MIR200C	-0.51152	1.27E-34	negative
GMFB	MIR200C	-0.51053	1.80E-34	negative
IL6ST	MIR200C	-0.50005	6.28E-33	negative
NENF	MIR200C	0.64783	1.03E-60	postive
RABEP2	MIR200C	0.54444	7.48E-40	postive
UCN	MIR200C	0.54721	2.55E-40	postive
BMPR2	MIR200C	-0.59683	1.78E-49	negative
CRIM1	MIR200C	-0.51422	4.99E-35	negative
IGF2R	MIR200C	-0.54793	1.93E-40	negative
NR2C2	MIR200C	-0.58864	7.45E-48	negative
NR2F6	MIR200C	0.6763	5.55E-68	postive
PPARA	MIR200C	-0.55702	5.21E-42	negative

PTPN11	MIR200C	-0.69335	9.66E-73	negative
SHC2	MIR200C	0.54742	2.35E-40	postive
SOS1	MIR200C	-0.56346	3.77E-43	negative
SOS2	MIR200C	-0.63529	9.35E-58	negative
PAK2	MIR200C	-0.58403	5.81E-47	negative
LEAP2	AL022328	0.60582	2.60E-51	postive
LCN12	AL022328	0.61459	3.70E-53	postive
LMBR1L	AL022328	0.71295	1.22E-78	postive
IRF3	AL022328	0.57757	9.77E-46	postive
C8G	AL022328	0.5626	5.37E-43	postive
TYK2	AL022328	0.61611	1.75E-53	postive
LTB4R	AL022328	0.6086	6.87E-52	postive
AGER	AL022328	0.69322	1.06E-72	postive
EPOR	AL022328	0.55089	6.03E-41	postive
MC1R	AL022328	0.57799	8.15E-46	postive
LEAP2	AC005104	0.57867	6.08E-46	postive
ZC3HAV1	AC005104	0.55894	2.40E-42	postive
DDX17	AC005104	0.76722	6.38E-98	postive
IRF9	AC005104	0.53509	2.62E-38	postive
NFAT5	AC005104	0.60845	7.36E-52	postive
CRLF3	AC005104	0.55887	2.47E-42	postive
NR2C2	AC005104	0.63663	4.59E-58	postive
RORA	AC005104	0.67913	9.51E-69	postive
SOS1	AC005104	0.51291	7.87E-35	postive
CBL	AC005104	0.58814	9.31E-48	postive
PSMC5	PPP1R14	0.50126	4.19E-33	postive
PSMD13	PPP1R14	0.51384	5.68E-35	postive
PPIA	PPP1R14	0.61499	3.04E-53	postive
PPP4C	PPP1R14	0.54551	4.95E-40	postive
NR2F6	PPP1R14	0.51037	1.89E-34	postive
CREB1	Z99572.1	0.58898	6.39E-48	postive
NFYA	Z99572.1	0.62036	2.10E-54	postive
ECPAS	Z99572.1	0.52849	3.02E-37	postive
MAPK14	Z99572.1	0.51929	8.35E-36	postive
EIF2AK2	Z99572.1	0.53619	1.73E-38	postive
ADAR	Z99572.1	0.52333	1.97E-36	postive
LMBR1	Z99572.1	0.574	4.53E-45	postive
IREB2	Z99572.1	0.52266	2.50E-36	postive
LANCL1	Z99572.1	0.52815	3.42E-37	postive
PTK2	Z99572.1	0.60515	3.59E-51	postive
GSK3B	Z99572.1	0.56334	3.98E-43	postive
GMFB	Z99572.1	0.5437	9.94E-40	postive
NR2C2	Z99572.1	0.57692	1.30E-45	postive
CBLB	Z99572.1	0.52513	1.03E-36	postive
SH2D1A	AC008604	0.508	4.28E-34	postive
LEAP2	LINC0261	0.55454	1.41E-41	postive
AGER	LINC0261	0.52994	1.78E-37	postive
UCN	LINC0261	0.51248	9.12E-35	postive
MC1R	LINC0261	0.51184	1.14E-34	postive
CREB1	AC008604	-0.5275	4.34E-37	negative
PSMC3	AC008604	0.58605	2.37E-47	postive
PSMC5	AC008604	0.60445	5.00E-51	postive
PSMD4	AC008604	0.61075	2.42E-52	postive
PSMD13	AC008604	0.5943	5.70E-49	postive
SEM1	AC008604	0.51656	2.19E-35	postive
AP3B1	AC008604	-0.55479	1.28E-41	negative

RFXANK	AC008601	0.70272	1.68E-75	postive
ADRM1	AC008601	0.54165	2.19E-39	postive
UBXN1	AC008601	0.63219	4.81E-57	postive
UBR1	AC008601	-0.55979	1.70E-42	negative
S100A13	AC008601	0.50644	7.29E-34	postive
IRF3	AC008601	0.5502	7.89E-41	postive
MAPK1	AC008601	-0.56763	6.69E-44	negative
SP1	AC008601	-0.5131	7.37E-35	negative
SLC11A1	AC008601	0.55236	3.36E-41	postive
JAK1	AC008601	-0.516	2.66E-35	negative
IREB2	AC008601	-0.53279	6.17E-38	negative
MAP2K2	AC008601	0.70532	2.77E-76	postive
PPP4C	AC008601	0.60418	5.68E-51	postive
MIF	AC008601	0.59581	2.85E-49	postive
HRAS	AC008601	0.71042	7.52E-78	postive
NFKBIB	AC008601	0.50997	2.17E-34	postive
MYDGF	AC008601	0.57481	3.21E-45	postive
CD320	AC008601	0.53144	1.02E-37	postive
CLEC11A	AC008601	0.56608	1.28E-43	postive
IL6ST	AC008601	-0.53397	3.98E-38	negative
NENF	AC008601	0.62995	1.55E-56	postive
UCN	AC008601	0.59988	4.30E-50	postive
BMPR2	AC008601	-0.51507	3.71E-35	negative
IGF2R	AC008601	-0.5195	7.76E-36	negative
NR2F6	AC008601	0.66716	1.46E-65	postive
OGFR	AC008601	0.5046	1.36E-33	postive
PTPN11	AC008601	-0.60922	5.08E-52	negative
SHC2	AC008601	0.55037	7.40E-41	postive
SOS2	AC008601	-0.53822	8.05E-39	negative
LEAP2	AC127024	0.63962	9.22E-59	postive
LMBR1L	AC127024	0.54952	1.03E-40	postive
DDX17	AC127024	0.60819	8.35E-52	postive
RORA	AC127024	0.57117	1.51E-44	postive
HDAC1	AC007381	0.50424	1.54E-33	postive
CREB1	AL355353	-0.50896	3.08E-34	negative
PSMC3	AL355353	0.57637	1.64E-45	postive
PSMC5	AL355353	0.64799	9.38E-61	postive
PSMD4	AL355353	0.58744	1.28E-47	postive
PSMD13	AL355353	0.62396	3.39E-55	postive
AP3B1	AL355353	-0.50288	2.43E-33	negative
RFXANK	AL355353	0.71744	4.64E-80	postive
ADRM1	AL355353	0.52315	2.10E-36	postive
UBXN1	AL355353	0.60692	1.54E-51	postive
UBR1	AL355353	-0.53062	1.38E-37	negative
S100A13	AL355353	0.51259	8.79E-35	postive
IRF3	AL355353	0.50976	2.34E-34	postive
MAPK1	AL355353	-0.57154	1.29E-44	negative
MAPK14	AL355353	-0.52876	2.73E-37	negative
SP1	AL355353	-0.51831	1.18E-35	negative
SLC11A1	AL355353	0.50357	1.93E-33	postive
JAK1	AL355353	-0.56046	1.29E-42	negative
MAP2K2	AL355353	0.67143	1.11E-66	postive
LANCL1	AL355353	-0.5058	9.05E-34	negative
PPP4C	AL355353	0.57116	1.52E-44	postive
HRAS	AL355353	0.67314	3.91E-67	postive
MYDGF	AL355353	0.58339	7.69E-47	postive

CD320	AL355353	0.5868	1.69E-47	postive
CLEC11A	AL355353	0.52448	1.30E-36	postive
IL6ST	AL355353	-0.52866	2.84E-37	negative
NENF	AL355353	0.56584	1.41E-43	postive
UCN	AL355353	0.57965	3.96E-46	postive
BMPR2	AL355353	-0.50623	7.82E-34	negative
CRIM1	AL355353	-0.50835	3.79E-34	negative
NR2F6	AL355353	0.65067	2.10E-61	postive
TNFRSF1A	AL355353	0.51684	1.98E-35	postive
PTPN11	AL355353	-0.61011	3.30E-52	negative
SHC2	AL355353	0.55823	3.20E-42	postive
SOS2	AL355353	-0.54396	9.01E-40	negative
HRAS	TBX2-AS	0.50089	4.74E-33	postive
CIITA	AC010180	0.54264	1.50E-39	postive
ZC3HAV1	AC010180	0.53836	7.64E-39	postive
ZC3HAV1	AC010180	0.53214	7.88E-38	postive
CYLD	AC010180	0.52466	1.22E-36	postive
TCF7L2	AC010180	0.52135	4.01E-36	postive
IL7R	AC010180	0.67806	1.85E-68	postive
DDX17	AC010180	0.5295	2.08E-37	postive
TRIM22	AC010180	0.53709	1.24E-38	postive
CXCR6	AC010180	0.56841	4.83E-44	postive
JAK2	AC010180	0.54561	4.75E-40	postive
NFAT5	AC010180	0.78613	#####	postive
NFATC3	AC010180	0.64032	6.31E-59	postive
PRKCB	AC010180	0.52902	2.49E-37	postive
SLIT2	AC010180	0.53173	9.17E-38	postive
PLXNC1	AC010180	0.59513	3.90E-49	postive
IL24	AC010180	0.53932	5.31E-39	postive
CRLF3	AC010180	0.53692	1.32E-38	postive
PGR	AC010180	0.53361	4.55E-38	postive
RORA	AC010180	0.83362	#####	postive
LCP2	AC010180	0.60738	1.23E-51	postive
FYN	AC010180	0.54896	1.29E-40	postive
SOS1	AC010180	0.64569	3.36E-60	postive
PRKCA	AC010180	0.60471	4.42E-51	postive
PTPRC	AC010180	0.5205	5.42E-36	postive
CD28	AC010180	0.52831	3.23E-37	postive
CBL	AC010180	0.61788	7.27E-54	postive
LEAP2	LINC0138	0.67357	2.99E-67	postive
DDX17	LINC0138	0.53064	1.37E-37	postive
LEAP2	U73166.1	0.57166	1.23E-44	postive
LCN12	U73166.1	0.58998	4.06E-48	postive
MC1R	U73166.1	0.53625	1.70E-38	postive
PSMC5	SNHG8	0.53298	5.77E-38	postive
PSMD4	SNHG8	0.51098	1.53E-34	postive
PSMD13	SNHG8	0.57969	3.90E-46	postive
RFXANK	SNHG8	0.61736	9.41E-54	postive
UBXN1	SNHG8	0.64248	1.96E-59	postive
STAT3	SNHG8	-0.50991	2.22E-34	negative
CYLD	SNHG8	-0.50014	6.08E-33	negative
JAK1	SNHG8	-0.50028	5.82E-33	negative
MAP2K2	SNHG8	0.57469	3.37E-45	postive
HRAS	SNHG8	0.50782	4.54E-34	postive
MYDGF	SNHG8	0.52988	1.81E-37	postive
CD320	SNHG8	0.56856	4.53E-44	postive

UCN	SNHG8	0.5053	1.07E-33	postive
NR2F6	SNHG8	0.5617	7.78E-43	postive
PTPN11	SNHG8	-0.51316	7.20E-35	negative
SOS2	SNHG8	-0.51338	6.68E-35	negative
CANX	AC005281	0.64017	6.84E-59	postive
CREB1	AC005281	0.75799	2.77E-94	postive
NFYA	AC005281	0.56361	3.56E-43	postive
PSMC3	AC005281	-0.67575	7.79E-68	negative
PSMC5	AC005281	-0.64258	1.85E-59	negative
PSMD4	AC005281	-0.6048	4.24E-51	negative
PSMD5	AC005281	0.59474	4.65E-49	postive
PSMD11	AC005281	0.53022	1.60E-37	postive
PSMD13	AC005281	-0.52358	1.80E-36	negative
RFX5	AC005281	0.6549	1.91E-62	postive
SEM1	AC005281	-0.53398	3.97E-38	negative
AP3B1	AC005281	0.64865	6.51E-61	postive
RFXANK	AC005281	-0.70487	3.80E-76	negative
PSME3	AC005281	0.6602	8.94E-64	postive
ADRM1	AC005281	-0.50524	1.09E-33	negative
ECPAS	AC005281	0.51293	7.81E-35	postive
UBXN1	AC005281	-0.69154	3.21E-72	negative
UBR1	AC005281	0.70496	3.55E-76	postive
ZC3HAV1	AC005281	0.59689	1.73E-49	postive
S100A13	AC005281	-0.6831	7.67E-70	negative
NFKB1	AC005281	0.50017	6.02E-33	postive
IRF3	AC005281	-0.59635	2.22E-49	negative
MAPK1	AC005281	0.75535	2.84E-93	postive
ISG20L2	AC005281	0.50937	2.67E-34	postive
STAT3	AC005281	0.50859	3.50E-34	postive
CYLD	AC005281	0.53832	7.77E-39	postive
MAPK14	AC005281	0.59254	1.27E-48	postive
ITGAV	AC005281	0.5025	2.77E-33	postive
CD81	AC005281	-0.54129	2.51E-39	negative
EIF2AK2	AC005281	0.67467	1.52E-67	postive
MAPK8	AC005281	0.63526	9.53E-58	postive
ADAR	AC005281	0.63247	4.16E-57	postive
LMBR1	AC005281	0.64293	1.53E-59	postive
SP1	AC005281	0.72127	2.71E-81	postive
SOD1	AC005281	-0.54075	3.09E-39	negative
ECD	AC005281	0.62533	1.69E-55	postive
DCK	AC005281	0.57937	4.49E-46	postive
BECN1	AC005281	0.58657	1.88E-47	postive
JAK1	AC005281	0.53407	3.84E-38	postive
IREB2	AC005281	0.71485	3.09E-79	postive
SYTL1	AC005281	-0.53117	1.13E-37	negative
MAP2K2	AC005281	-0.70292	1.47E-75	negative
LANCL1	AC005281	0.68417	3.89E-70	postive
PPP4C	AC005281	-0.55624	7.13E-42	negative
TANK	AC005281	0.56656	1.05E-43	postive
TBK1	AC005281	0.60684	1.60E-51	postive
CDH1	AC005281	0.52016	6.13E-36	postive
JAK2	AC005281	0.51412	5.15E-35	postive
PTK2	AC005281	0.59013	3.79E-48	postive
NFAT5	AC005281	0.52405	1.52E-36	postive
NFATC3	AC005281	0.59142	2.12E-48	postive
HRAS	AC005281	-0.72033	5.45E-81	negative

KRAS	AC005281	0.55153	4.67E-41	postive
NRAS	AC005281	0.63178	5.96E-57	postive
CHUK	AC005281	0.64649	2.16E-60	postive
NFKBIB	AC005281	-0.54353	1.06E-39	negative
PIK3CA	AC005281	0.61911	3.93E-54	postive
GSK3B	AC005281	0.71329	9.57E-79	postive
MYDGF	AC005281	-0.54495	6.15E-40	negative
CD320	AC005281	-0.55786	3.71E-42	negative
CLEC11A	AC005281	-0.56514	1.89E-43	negative
CMTM6	AC005281	0.59745	1.34E-49	postive
GMFB	AC005281	0.64594	2.93E-60	postive
IL17B	AC005281	-0.51676	2.04E-35	negative
NENF	AC005281	-0.70473	4.16E-76	negative
NMB	AC005281	-0.52494	1.10E-36	negative
RABEP2	AC005281	-0.51155	1.26E-34	negative
VEGFB	AC005281	-0.53483	2.89E-38	negative
ACVR1B	AC005281	0.51519	3.55E-35	postive
BMPR2	AC005281	0.66255	2.26E-64	postive
CRLF3	AC005281	0.55055	6.88E-41	postive
IGF2R	AC005281	0.61998	2.54E-54	postive
IL1RAP	AC005281	0.53432	3.50E-38	postive
NR1D2	AC005281	0.50761	4.89E-34	postive
NR1H2	AC005281	-0.53046	1.46E-37	negative
NR2C2	AC005281	0.7065	1.21E-76	postive
NR2F6	AC005281	-0.63495	1.12E-57	negative
PPARA	AC005281	0.63296	3.22E-57	postive
PTPN11	AC005281	0.72217	1.38E-81	postive
SHC2	AC005281	-0.52072	5.01E-36	negative
SOS1	AC005281	0.63916	1.19E-58	postive
SOS2	AC005281	0.71829	2.48E-80	postive
RAF1	AC005281	0.51089	1.58E-34	postive
NCK1	AC005281	0.57747	1.02E-45	postive
PAK2	AC005281	0.65963	1.24E-63	postive
CBL	AC005281	0.58435	5.03E-47	postive
CBLB	AC005281	0.62117	1.39E-54	postive
ZC3HAV1	AC010261	0.55574	8.72E-42	postive
DDX17	AC010261	0.61655	1.41E-53	postive
NFAT5	AC010261	0.73417	1.31E-85	postive
NFATC3	AC010261	0.55916	2.19E-42	postive
NR2C2	AC010261	0.57008	2.40E-44	postive
RORA	AC010261	0.75352	1.40E-92	postive
SOS1	AC010261	0.5657	1.50E-43	postive
PRKCA	AC010261	0.50366	1.87E-33	postive
CBL	AC010261	0.5459	4.24E-40	postive
RFXANK	ZFAS1	0.54447	7.40E-40	postive
UBXN1	ZFAS1	0.55145	4.82E-41	postive
STAT3	ZFAS1	-0.52656	6.11E-37	negative
PPIA	ZFAS1	0.51636	2.35E-35	postive
IGF2R	ZFAS1	-0.5139	5.58E-35	negative
MAP2K2	IRX4-AS1	0.50809	4.16E-34	postive
PSMC3	AC040161	0.5209	4.70E-36	postive
PSMC5	AC040161	0.51396	5.46E-35	postive
RFXANK	AC040161	0.58654	1.90E-47	postive
ADRM1	AC040161	0.51868	1.04E-35	postive
SLC11A1	AC040161	0.53168	9.34E-38	postive
MAP2K2	AC040161	0.6398	8.39E-59	postive

HRAS	AC04016	0.53661	1.48E-38	postive
MYDGF	AC04016	0.57083	1.75E-44	postive
CD320	AC04016	0.5037	1.84E-33	postive
CLEC11A	AC04016	0.50981	2.30E-34	postive
NR2F6	AC04016	0.54861	1.48E-40	postive
PTK2	RHPN1-A	0.59754	1.28E-49	postive
OPRK1	RHPN1-A	0.53319	5.32E-38	postive
DDX17	AC00490	0.5196	7.48E-36	postive
PSMD3	AC08749	0.8281	#####	postive
SEM1	AC08749	0.52969	1.94E-37	postive
LEAP2	AL021707	0.51736	1.65E-35	postive
TYK2	AL021707	0.51053	1.79E-34	postive
DDX17	AL021707	0.69429	5.18E-73	postive
IRF9	AL021707	0.57388	4.78E-45	postive
IKBKB	AL021707	0.50051	5.39E-33	postive
LEAP2	AC00490	0.56225	6.22E-43	postive
DDX17	AC00490	0.71837	2.33E-80	postive
NFAT5	AC00490	0.58779	1.09E-47	postive
CRLF3	AC00490	0.55716	4.93E-42	postive
NR2C2	AC00490	0.5833	8.02E-47	postive
RORA	AC00490	0.68253	1.11E-69	postive
CBL	AC00490	0.54855	1.51E-40	postive
LEAP2	AL031186	0.56343	3.82E-43	postive
LMBR1L	AL031186	0.60427	5.43E-51	postive
AGER	AL031186	0.50123	4.23E-33	postive
MC1R	AL031186	0.53666	1.45E-38	postive
BMPR2	NNT-AS1	0.50613	8.10E-34	postive
SOS2	NNT-AS1	0.54556	4.84E-40	postive
SLC11A1	HDAC4-A	0.50362	1.90E-33	postive
MAP2K2	HDAC4-A	0.5029	2.41E-33	postive
NR2F6	HDAC4-A	0.51207	1.05E-34	postive
ZC3HAV1AC00012		0.53079	1.30E-37	postive
IL7R	AC00012	0.54845	1.57E-40	postive
DDX17	AC00012	0.52955	2.05E-37	postive
NFAT5	AC00012	0.63173	6.11E-57	postive
NR2C2	AC00012	0.50705	5.92E-34	postive
RORA	AC00012	0.59409	6.28E-49	postive
SOS1	AC00012	0.56375	3.36E-43	postive
CBL	AC00012	0.52182	3.39E-36	postive
DEFB1	KRT7-AS	0.52706	5.09E-37	postive
IL1B	KRT7-AS	0.52383	1.65E-36	postive
DUOX1	KRT7-AS	0.54421	8.19E-40	postive
MUC4	KRT7-AS	0.56738	7.44E-44	postive
TRIM22	KRT7-AS	0.52986	1.83E-37	postive
CX3CL1	KRT7-AS	0.57976	3.79E-46	postive
EDN1	KRT7-AS	0.56384	3.24E-43	postive
HBEGF	KRT7-AS	0.51306	7.46E-35	postive
NTF4	KRT7-AS	0.52713	4.96E-37	postive
MET	KRT7-AS	0.54357	1.05E-39	postive
RARG	KRT7-AS	0.59388	6.89E-49	postive
MAP3K8	KRT7-AS	0.62343	4.44E-55	postive
RABEP2	HOXA11-	0.53269	6.41E-38	postive
NR2F6	HOXA11-	0.51703	1.86E-35	postive
ZC3HAV1AC13839		0.50323	2.16E-33	postive
ZC3HAV1AC13839		0.65085	1.89E-61	postive
SP1	AC13839	0.55175	4.29E-41	postive

DDX17	AC13839:	0.66729	1.35E-65	postive
NFAT5	AC13839:	0.71365	7.39E-79	postive
NFATC3	AC13839:	0.56131	9.14E-43	postive
AKT3	AC13839:	0.63336	2.60E-57	postive
CRLF3	AC13839:	0.54633	3.60E-40	postive
NR2C2	AC13839:	0.63896	1.32E-58	postive
RORA	AC13839:	0.78496	#####	postive
SOS1	AC13839:	0.58289	9.59E-47	postive
TEC	AC13839:	0.51878	1.00E-35	postive
CBL	AC13839:	0.6881	3.07E-71	postive
LEAP2	AC01869:	0.57968	3.91E-46	postive
TCF7L2	AC01869:	0.51073	1.67E-34	postive
IL7R	AC01869:	0.53265	6.51E-38	postive
DDX17	AC01869:	0.63335	2.61E-57	postive
IRF9	AC01869:	0.50342	2.03E-33	postive
NFAT5	AC01869:	0.66117	3.72E-64	postive
RORA	AC01869:	0.66112	5.22E-64	postive
SOS1	AC01869:	0.51761	1.51E-35	postive
LEAP2	AC12702:	0.60793	9.46E-52	postive
DDX17	AC12702:	0.7029	1.48E-75	postive
NFAT5	AC12702:	0.60404	6.07E-51	postive
CRLF3	AC12702:	0.61103	2.12E-52	postive
NR2C2	AC12702:	0.57982	3.69E-46	postive
RORA	AC12702:	0.63385	2.01E-57	postive
AP3B1	AC00906:	-0.57417	4.22E-45	negative
RFXANK	AC00906:	0.54417	8.29E-40	postive
LCN12	AC00906:	0.63971	8.80E-59	postive
LMBR1L	AC00906:	0.53079	1.30E-37	postive
IRF3	AC00906:	0.60954	4.37E-52	postive
C8G	AC00906:	0.57393	4.67E-45	postive
MAPK1	AC00906:	-0.51575	2.91E-35	negative
MAP2K2	AC00906:	0.50048	5.44E-33	postive
AGER	AC00906:	0.61989	2.66E-54	postive
HRAS	AC00906:	0.64084	4.76E-59	postive
UCN	AC00906:	0.54553	4.90E-40	postive
IGF2R	AC00906:	-0.533	5.71E-38	negative
NR2F6	AC00906:	0.56154	8.32E-43	postive
OGFR	AC00906:	0.53616	1.75E-38	postive
PTPN11	AC00906:	-0.51793	1.35E-35	negative
LEAP2	FOXO6-A	0.53489	2.82E-38	postive
LMBR1L	FOXO6-A	0.51092	1.57E-34	postive
AGER	FOXO6-A	0.55079	6.27E-41	postive
CIITA	AC00811:	0.57302	6.90E-45	postive
LEAP2	AC00811:	0.50298	2.35E-33	postive
ZC3HAV1	AC00811:	0.55483	1.26E-41	postive
ZC3HAV1	AC00811:	0.59447	5.28E-49	postive
CYLD	AC00811:	0.51816	1.25E-35	postive
TCF7L2	AC00811:	0.51317	7.18E-35	postive
SP1	AC00811:	0.50188	3.40E-33	postive
IL7R	AC00811:	0.62173	1.05E-54	postive
DDX17	AC00811:	0.63199	5.34E-57	postive
CXCR6	AC00811:	0.55555	9.43E-42	postive
JAK2	AC00811:	0.50823	3.96E-34	postive
NFAT5	AC00811:	0.79245	#####	postive
NFATC3	AC00811:	0.61317	7.43E-53	postive
SLIT2	AC00811:	0.51837	1.16E-35	postive

PLXNC1	AC00811	0.59181	1.77E-48	postive
IL24	AC00811	0.51804	1.30E-35	postive
CRLF3	AC00811	0.59987	4.32E-50	postive
NR2C2	AC00811	0.5838	6.43E-47	postive
RORA	AC00811	0.8454	#####	postive
LCP2	AC00811	0.55963	1.81E-42	postive
FYN	AC00811	0.51314	7.26E-35	postive
SOS1	AC00811	0.62867	3.02E-56	postive
PRKCA	AC00811	0.57577	2.13E-45	postive
PTPRC	AC00811	0.51572	2.94E-35	postive
CD28	AC00811	0.53123	1.10E-37	postive
CBL	AC00811	0.64448	6.55E-60	postive
CREB1	AC00876	0.58464	4.42E-47	postive
PSMC3	AC00876	-0.59042	3.33E-48	negative
PSMC5	AC00876	-0.53964	4.71E-39	negative
PSMD4	AC00876	-0.57261	8.20E-45	negative
PSME2	AC00876	-0.52064	5.16E-36	negative
SEM1	AC00876	-0.51873	1.02E-35	negative
RFXANK	AC00876	-0.51948	7.80E-36	negative
ADRM1	AC00876	-0.54959	1.00E-40	negative
UBXN1	AC00876	-0.53835	7.69E-39	negative
UBR1	AC00876	0.6218	1.02E-54	postive
ZC3HAV1AC00876		0.59684	1.77E-49	postive
MAVS	AC00876	0.62243	7.38E-55	postive
ZC3HAV1AC00876		0.51542	3.27E-35	postive
MAPK1	AC00876	0.58498	3.81E-47	postive
CYLD	AC00876	0.52342	1.91E-36	postive
EIF2AK2	AC00876	0.59698	1.66E-49	postive
MAPK8	AC00876	0.51378	5.80E-35	postive
AHNAK	AC00876	0.59737	1.38E-49	postive
SP1	AC00876	0.65902	1.77E-63	postive
SOD1	AC00876	-0.55788	3.69E-42	negative
JAK1	AC00876	0.51471	4.19E-35	postive
IREB2	AC00876	0.60735	1.25E-51	postive
MAP2K2	AC00876	-0.53032	1.54E-37	negative
PPP4C	AC00876	-0.56267	5.23E-43	negative
NFAT5	AC00876	0.67789	2.07E-68	postive
NFATC3	AC00876	0.68409	4.08E-70	postive
HRAS	AC00876	-0.58295	9.34E-47	negative
NFKBIB	AC00876	-0.53204	8.18E-38	negative
PIK3R1	AC00876	0.50161	3.73E-33	postive
GSK3B	AC00876	0.54901	1.26E-40	postive
NENF	AC00876	-0.54171	2.14E-39	negative
ACVR2B	AC00876	0.54522	5.53E-40	postive
BMPR2	AC00876	0.59507	4.00E-49	postive
IGF2R	AC00876	0.58574	2.72E-47	postive
IL17RA	AC00876	0.57457	3.56E-45	postive
NR2C2	AC00876	0.70788	4.56E-77	postive
NR2F6	AC00876	-0.52735	4.58E-37	negative
PPARA	AC00876	0.70784	4.72E-77	postive
RORA	AC00876	0.55641	6.67E-42	postive
PTPN11	AC00876	0.55327	2.34E-41	postive
SOS1	AC00876	0.65749	4.32E-63	postive
SOS2	AC00876	0.63542	8.74E-58	postive
PRKCA	AC00876	0.51122	1.41E-34	postive
CBL	AC00876	0.54893	1.30E-40	postive

CBLB	AC00876	0.51203	1.07E-34	postive
DDX17	FLNB-AS	0.60082	2.77E-50	postive
NFAT5	FLNB-AS	0.51272	8.41E-35	postive
AKT3	FLNB-AS	0.52592	7.71E-37	postive
NR2C2	FLNB-AS	0.53362	4.54E-38	postive
RORA	FLNB-AS	0.54581	4.40E-40	postive
CBL	FLNB-AS	0.51312	7.31E-35	postive
CRLF1	LINC0109	0.52434	1.37E-36	postive
LEAP2	DLGAP1-	0.63619	5.80E-58	postive
LMBR1L	DLGAP1-	0.62489	2.11E-55	postive
LTB4R	DLGAP1-	0.52989	1.81E-37	postive
AGER	DLGAP1-	0.54485	6.38E-40	postive
TYK2	AC022150	0.52159	3.68E-36	postive
BRD8	AC022150	0.51717	1.77E-35	postive
MR1	MBNL1-A	0.53073	1.33E-37	postive
TINAGL1	MBNL1-A	0.71814	2.77E-80	postive
A2M	MBNL1-A	0.57223	9.66E-45	postive
ZYX	MBNL1-A	0.59787	1.10E-49	postive
CSRP1	MBNL1-A	0.67602	6.60E-68	postive
DES	MBNL1-A	0.54517	5.64E-40	postive
ILK	MBNL1-A	0.70147	4.00E-75	postive
MASP1	MBNL1-A	0.66684	1.77E-65	postive
ANXA6	MBNL1-A	0.65552	1.34E-62	postive
LTBP1	MBNL1-A	0.638	2.21E-58	postive
NFATC4	MBNL1-A	0.53501	2.70E-38	postive
PRKCB	MBNL1-A	0.69175	2.80E-72	postive
FGF10	MBNL1-A	0.66576	3.37E-65	postive
SBDS	MBNL1-A	0.57093	1.67E-44	postive
SLIT2	MBNL1-A	0.56803	5.66E-44	postive
EDNRA	MBNL1-A	0.70234	2.19E-75	postive
EDNRB	MBNL1-A	0.57596	1.96E-45	postive
BMP4	MBNL1-A	0.54848	1.55E-40	postive
CSF1	MBNL1-A	0.50939	2.66E-34	postive
CTF1	MBNL1-A	0.55754	4.24E-42	postive
CCN2	MBNL1-A	0.60454	4.79E-51	postive
IL33	MBNL1-A	0.68375	5.06E-70	postive
IL6ST	MBNL1-A	0.53455	3.21E-38	postive
LTBP4	MBNL1-A	0.55003	8.44E-41	postive
NDP	MBNL1-A	0.56681	9.44E-44	postive
OGN	MBNL1-A	0.65569	1.21E-62	postive
PDGFC	MBNL1-A	0.61545	2.43E-53	postive
TGFB2	MBNL1-A	0.55613	7.46E-42	postive
TSLP	MBNL1-A	0.63817	2.02E-58	postive
ANGPT1	MBNL1-A	0.66011	9.42E-64	postive
ANGPTL1	MBNL1-A	0.72768	2.07E-83	postive
AVPR1A	MBNL1-A	0.51178	1.16E-34	postive
CRIM1	MBNL1-A	0.54732	2.45E-40	postive
FGFR1	MBNL1-A	0.74223	1.94E-88	postive
NR2F1	MBNL1-A	0.50192	3.36E-33	postive
NRP2	MBNL1-A	0.63419	1.67E-57	postive
PGR	MBNL1-A	0.74999	2.92E-91	postive
PTGER2	MBNL1-A	0.68454	3.06E-70	postive
RARB	MBNL1-A	0.51086	1.60E-34	postive
S1PR2	MBNL1-A	0.5567	5.94E-42	postive
SDC3	MBNL1-A	0.66289	1.85E-64	postive
TGFBR2	MBNL1-A	0.60071	2.92E-50	postive

TGFBR3	MBNL1-A	0.72692	3.72E-83	postive
PRKCA	MBNL1-A	0.5524	3.31E-41	postive
MAP3K8	MBNL1-A	0.52405	1.52E-36	postive
LEAP2	AC08412	0.56376	3.34E-43	postive
LCN12	AC08412	0.53027	1.57E-37	postive
TYK2	AC08412	0.50926	2.78E-34	postive
LCN12	AC03423	0.52077	4.92E-36	postive
AGER	AC03423	0.55355	2.10E-41	postive
UCN	AC03423	0.50703	5.96E-34	postive
ZC3HAV1LINC-PIN		0.50734	5.37E-34	postive
IL7R	LINC-PIN	0.61923	3.70E-54	postive
DDX17	LINC-PIN	0.58799	9.94E-48	postive
NFAT5	LINC-PIN	0.70782	4.77E-77	postive
RORA	LINC-PIN	0.75887	1.27E-94	postive
LCP2	LINC-PIN	0.50661	6.89E-34	postive
FYN	LINC-PIN	0.50014	6.09E-33	postive
SOS1	LINC-PIN	0.52794	3.69E-37	postive
CBL	LINC-PIN	0.54814	1.78E-40	postive
CD1D	AC08001	0.54968	9.68E-41	postive
CTSB	AC08001	0.5249	1.12E-36	postive
CTSS	AC08001	0.52246	2.69E-36	postive
MR1	AC08001	0.50449	1.41E-33	postive
CXCL16	AC08001	0.50908	2.96E-34	postive
CXCL6	AC08001	0.53976	4.50E-39	postive
TLR2	AC08001	0.64137	3.57E-59	postive
SLC40A1	AC08001	0.62148	1.19E-54	postive
CYLD	AC08001	0.52545	9.15E-37	postive
TLR1	AC08001	0.61609	1.76E-53	postive
STING1	AC08001	0.56899	3.79E-44	postive
JAK1	AC08001	0.50859	3.49E-34	postive
IFNAR2	AC08001	0.51205	1.06E-34	postive
TRIM22	AC08001	0.51213	1.03E-34	postive
GBP2	AC08001	0.55742	4.44E-42	postive
CCR1	AC08001	0.51458	4.40E-35	postive
PIK3CD	AC08001	0.51171	1.19E-34	postive
C3	AC08001	0.64281	1.63E-59	postive
CX3CL1	AC08001	0.55187	4.08E-41	postive
CSF1	AC08001	0.51981	6.93E-36	postive
CSF3R	AC08001	0.50506	1.17E-33	postive
MET	AC08001	0.62113	1.42E-54	postive
OSMR	AC08001	0.53417	3.70E-38	postive
MAP3K8	AC08001	0.50178	3.52E-33	postive
LCN12	AC09977	0.54349	1.08E-39	postive
C8G	AC09977	0.50905	2.98E-34	postive
PSMD4	SNHG15	0.51768	1.48E-35	postive
AP3B1	SNHG15	-0.58021	3.10E-46	negative
RFXANK	SNHG15	0.58921	5.74E-48	postive
UBXN1	SNHG15	0.51213	1.03E-34	postive
IRF3	SNHG15	0.55597	7.96E-42	postive
MAPK1	SNHG15	-0.55769	3.98E-42	negative
PPIA	SNHG15	0.61326	7.12E-53	postive
HRAS	SNHG15	0.54695	2.82E-40	postive
UCN	SNHG15	0.56581	1.43E-43	postive
IGF2R	SNHG15	-0.53267	6.46E-38	negative
NR2F6	SNHG15	0.56555	1.59E-43	postive
OGFR	SNHG15	0.5017	3.61E-33	postive

SORT1	SNHG15	-0.53281	6.12E-38	negative
HSPA8	AL035071	-0.55341	2.21E-41	negative
PSMC1	AL035071	-0.535	2.72E-38	negative
PSMD1	AL035071	-0.51139	1.33E-34	negative
PSMD2	AL035071	-0.53034	1.53E-37	negative
AP3B1	AL035071	-0.51715	1.78E-35	negative
BECN1	AL035071	-0.58462	4.46E-47	negative
IREB2	AL035071	-0.59544	3.37E-49	negative
LANCL1	AL035071	-0.59165	1.91E-48	negative
IGF2R	AL035071	-0.60182	1.73E-50	negative
RFXANK	CEBPA-D	0.51662	2.14E-35	positive
MAP2K2	CEBPA-D	0.51468	4.24E-35	positive
NR2F6	CEBPA-D	0.51814	1.26E-35	positive
AGER	AL136304	0.52021	6.01E-36	positive
UCN	AL136304	0.5279	3.75E-37	positive
PSMD4	AC002391	0.50899	3.04E-34	positive
SEM1	AC002391	0.50869	3.38E-34	positive
AP3B1	AC002391	-0.50887	3.17E-34	negative
RFXANK	AC002391	0.63041	1.22E-56	positive
UBXN1	AC002391	0.55219	3.60E-41	positive
UBR1	AC002391	-0.52137	3.97E-36	negative
S100A13	AC002391	0.55839	3.00E-42	positive
IRF3	AC002391	0.55453	1.42E-41	positive
MAPK1	AC002391	-0.54911	1.22E-40	negative
BECN1	AC002391	-0.57036	2.13E-44	negative
IREB2	AC002391	-0.50827	3.90E-34	negative
MAP2K2	AC002391	0.54179	2.07E-39	positive
LANCL1	AC002391	-0.52988	1.81E-37	negative
AGER	AC002391	0.50121	4.26E-33	positive
HRAS	AC002391	0.63229	4.58E-57	positive
NENF	AC002391	0.57393	4.69E-45	positive
UCN	AC002391	0.55357	2.08E-41	positive
IGF2R	AC002391	-0.56014	1.47E-42	negative
NR2F6	AC002391	0.54517	5.64E-40	positive
PTPN11	AC002391	-0.54584	4.35E-40	negative
DEFB1	LINC0183	0.51483	4.03E-35	positive
S100A14	LINC0183	0.54409	8.58E-40	positive
APOBEC	LINC0183	0.51414	5.13E-35	positive
DUOX1	LINC0183	0.5071	5.82E-34	positive
CD40	LINC0183	0.57966	3.94E-46	positive
ROBO3	LINC0183	0.52251	2.64E-36	positive
STING1	LINC0183	0.62917	2.32E-56	positive
IL18	LINC0183	0.52873	2.76E-37	positive
GBP2	LINC0183	0.53572	2.07E-38	positive
CX3CL1	LINC0183	0.56803	5.67E-44	positive
JAG2	LINC0183	0.51468	4.25E-35	positive
NTF4	LINC0183	0.61505	2.95E-53	positive
MET	LINC0183	0.65229	8.43E-62	positive
RARB	LINC0183	0.54082	3.00E-39	positive
RARG	LINC0183	0.69955	1.48E-74	positive
LEAP2	AP001101	0.66953	3.52E-66	positive
LMBR1L	AP001101	0.58424	5.29E-47	positive
DDX17	AP001101	0.75097	1.26E-91	positive
IRF9	AP001101	0.55395	1.79E-41	positive
NFAT5	AP001101	0.56968	2.83E-44	positive
NR2C2	AP001101	0.57579	2.11E-45	positive

RORA	AP00110	0.62554	1.52E-55	postive
CREB1	AL45116	-0.51699	1.89E-35	negative
PSMC3	AL45116	0.5295	2.09E-37	postive
PSMC5	AL45116	0.57945	4.33E-46	postive
PSMD4	AL45116	0.57722	1.14E-45	postive
PSMD13	AL45116	0.54898	1.28E-40	postive
SEM1	AL45116	0.57065	1.88E-44	postive
RFXANK	AL45116	0.59662	1.96E-49	postive
ADRM1	AL45116	0.52791	3.74E-37	postive
UBXN1	AL45116	0.56657	1.04E-43	postive
UBR1	AL45116	-0.57416	4.24E-45	negative
MAPK1	AL45116	-0.53277	6.22E-38	negative
PPIA	AL45116	0.59277	1.15E-48	postive
SP1	AL45116	-0.53521	2.51E-38	negative
SOD1	AL45116	0.51698	1.89E-35	postive
JAK1	AL45116	-0.53624	1.70E-38	negative
IREB2	AL45116	-0.52829	3.25E-37	negative
MAP2K2	AL45116	0.5541	1.68E-41	postive
PPP4C	AL45116	0.57641	1.61E-45	postive
HRAS	AL45116	0.58038	2.88E-46	postive
IL6ST	AL45116	-0.50926	2.77E-34	negative
NENF	AL45116	0.5526	3.06E-41	postive
UCN	AL45116	0.54341	1.11E-39	postive
BMPR2	AL45116	-0.51491	3.91E-35	negative
IGF2R	AL45116	-0.50929	2.75E-34	negative
NR2F6	AL45116	0.56674	9.72E-44	postive
PPARA	AL45116	-0.51008	2.09E-34	negative
PTPN11	AL45116	-0.56236	5.93E-43	negative
SOS2	AL45116	-0.53586	1.96E-38	negative
PSMC5	AP00116	0.50877	3.28E-34	postive
PSMD13	AP00116	0.5261	7.21E-37	postive
S100A13	AC10729	0.53044	1.47E-37	postive
PGC	AC00516	0.66627	2.49E-65	postive
CST4	AC00516	0.54592	4.21E-40	postive
BTC	AC00516	0.5618	7.48E-43	postive
FGF7	AC00516	0.58149	1.78E-46	postive
AGER	AC09505	0.6525	7.48E-62	postive
CREB1	SNHG9	-0.58059	2.63E-46	negative
PSMC5	SNHG9	0.51819	1.23E-35	postive
PSMD13	SNHG9	0.50444	1.44E-33	postive
SEM1	SNHG9	0.63422	1.65E-57	postive
AP3B1	SNHG9	-0.60648	1.90E-51	negative
RFXANK	SNHG9	0.55921	2.15E-42	postive
UBR1	SNHG9	-0.61595	1.89E-53	negative
LCN12	SNHG9	0.52528	9.71E-37	postive
MAPK1	SNHG9	-0.6351	1.04E-57	negative
STAT3	SNHG9	-0.50496	1.20E-33	negative
ITGAV	SNHG9	-0.51629	2.41E-35	negative
AHNAK	SNHG9	-0.50961	2.46E-34	negative
SP1	SNHG9	-0.51941	8.01E-36	negative
BECN1	SNHG9	-0.54628	3.67E-40	negative
JAK1	SNHG9	-0.57021	2.26E-44	negative
IREB2	SNHG9	-0.60551	3.02E-51	negative
MAP2K2	SNHG9	0.55797	3.55E-42	postive
LANCL1	SNHG9	-0.56201	6.86E-43	negative
PPP4C	SNHG9	0.51509	3.68E-35	postive

NFATC3	SNHG9	-0.51114	1.45E-34	negative
HRAS	SNHG9	0.64175	2.92E-59	postive
PIK3CA	SNHG9	-0.50111	4.41E-33	negative
CAT	SNHG9	-0.51351	6.38E-35	negative
IL6ST	SNHG9	-0.53993	4.21E-39	negative
NENF	SNHG9	0.55362	2.04E-41	postive
UCN	SNHG9	0.63552	8.31E-58	postive
BMPR2	SNHG9	-0.54962	9.93E-41	negative
IGF2R	SNHG9	-0.58444	4.83E-47	negative
NR2F6	SNHG9	0.64035	6.21E-59	postive
PPARA	SNHG9	-0.51607	2.60E-35	negative
PTPN11	SNHG9	-0.62395	3.41E-55	negative
SOS1	SNHG9	-0.50299	2.34E-33	negative
SOS2	SNHG9	-0.59064	3.02E-48	negative
LCN12	AL157756	0.51497	3.83E-35	postive
SYTL1	AL157756	0.58508	3.65E-47	postive
RABEP2	AL157756	0.52056	5.31E-36	postive
IL7R	AL031667	0.52667	5.86E-37	postive
NFAT5	AL031667	0.65958	1.28E-63	postive
RORA	AL031667	0.70539	2.63E-76	postive
CBL	AL031667	0.50174	3.56E-33	postive
PSMC3	AC026979	0.52063	5.18E-36	postive
PSMC5	AC026979	0.50024	5.90E-33	postive
PSMD4	AC026979	0.54626	3.69E-40	postive
PSMD13	AC026979	0.53908	5.81E-39	postive
RFXANK	AC026979	0.64169	3.00E-59	postive
UBXN1	AC026979	0.51473	4.16E-35	postive
SLC11A1	AC026979	0.51153	1.27E-34	postive
MAP2K2	AC026979	0.57246	8.75E-45	postive
HRAS	AC026979	0.65075	2.00E-61	postive
NENF	AC026979	0.54865	1.46E-40	postive
UCN	AC026979	0.52865	2.85E-37	postive
NR2F6	AC026979	0.52309	2.15E-36	postive
PTPN11	AC026979	-0.5161	2.58E-35	negative
CANX	AC104084	0.53509	2.62E-38	postive
IFNGR1	AC104084	0.50436	1.47E-33	postive
CANX	AC008444	-0.50187	3.42E-33	negative
CREB1	AC008444	-0.59073	2.89E-48	negative
PSMC3	AC008444	0.54279	1.41E-39	postive
PSMC5	AC008444	0.60552	3.00E-51	postive
PSMD4	AC008444	0.56693	8.98E-44	postive
PSMD5	AC008444	-0.50513	1.14E-33	negative
PSMD13	AC008444	0.54411	8.49E-40	postive
RFX5	AC008444	-0.50257	2.70E-33	negative
SEM1	AC008444	0.5927	1.18E-48	postive
AP3B1	AC008444	-0.61719	1.03E-53	negative
RFXANK	AC008444	0.70694	8.86E-77	postive
UBXN1	AC008444	0.62124	1.35E-54	postive
ERAP1	AC008444	-0.52517	1.01E-36	negative
UBR1	AC008444	-0.63231	4.52E-57	negative
ZC3HAV1	AC008444	-0.50403	1.65E-33	negative
S100A13	AC008444	0.54079	3.03E-39	postive
LCN12	AC008444	0.54079	3.04E-39	postive
IRF3	AC008444	0.54117	2.63E-39	postive
MAPK1	AC008444	-0.62924	2.24E-56	negative
STAT3	AC008444	-0.55947	1.94E-42	negative

PPIA	AC00844:	0.53408	3.82E-38	postive
CYLD	AC00844:	-0.50128	4.16E-33	negative
MAPK14	AC00844:	-0.51516	3.58E-35	negative
ITGAV	AC00844:	-0.54694	2.84E-40	negative
EIF2AK2	AC00844:	-0.53219	7.73E-38	negative
ADAR	AC00844:	-0.50168	3.63E-33	negative
AHNAK	AC00844:	-0.50051	5.39E-33	negative
SP1	AC00844:	-0.59658	2.00E-49	negative
SOD1	AC00844:	0.52584	7.94E-37	postive
ECD	AC00844:	-0.50135	4.07E-33	negative
BECN1	AC00844:	-0.55153	4.67E-41	negative
JAK1	AC00844:	-0.57949	4.26E-46	negative
IREB2	AC00844:	-0.62102	1.50E-54	negative
MAP2K2	AC00844:	0.61803	6.73E-54	postive
LANCL1	AC00844:	-0.52848	3.03E-37	negative
PPP4C	AC00844:	0.53392	4.05E-38	postive
TBK1	AC00844:	-0.51184	1.14E-34	negative
MIF	AC00844:	0.50032	5.74E-33	postive
NFATC3	AC00844:	-0.52279	2.39E-36	negative
HRAS	AC00844:	0.73335	2.49E-85	postive
CHUK	AC00844:	-0.5423	1.70E-39	negative
PIK3CA	AC00844:	-0.5431	1.26E-39	negative
GSK3B	AC00844:	-0.52775	3.97E-37	negative
MYDGF	AC00844:	0.5279	3.75E-37	postive
CLEC11A	AC00844:	0.56416	2.83E-43	postive
CMTM6	AC00844:	-0.51812	1.27E-35	negative
IL6ST	AC00844:	-0.55766	4.03E-42	negative
NENF	AC00844:	0.63763	2.69E-58	postive
UCN	AC00844:	0.62166	1.09E-54	postive
ACVR1B	AC00844:	-0.51387	5.63E-35	negative
BMPR2	AC00844:	-0.58877	7.01E-48	negative
CRIM1	AC00844:	-0.50129	4.14E-33	negative
IGF2R	AC00844:	-0.62848	3.33E-56	negative
NR2C2	AC00844:	-0.53753	1.05E-38	negative
NR2F6	AC00844:	0.68116	2.63E-69	postive
PPARA	AC00844:	-0.5652	1.84E-43	negative
PTPN11	AC00844:	-0.65513	1.67E-62	negative
SOS1	AC00844:	-0.54894	1.30E-40	negative
SOS2	AC00844:	-0.62224	8.14E-55	negative
PAK2	AC00844:	-0.5256	8.67E-37	negative
RFXANK	AC03617:	0.52305	2.18E-36	postive
APOH	AC01062:	0.63696	3.85E-58	postive
CREB1	AC01147:	0.54397	8.96E-40	postive
ECPAS	AC01147:	0.52619	6.99E-37	postive
IREB2	AC01147:	0.52445	1.31E-36	postive
GSK3B	AC01147:	0.58405	5.75E-47	postive
CMTM4	AC01147:	0.51256	8.89E-35	postive
AR	AC01147:	0.51062	1.74E-34	postive
PSMC3	AC01053:	0.51669	2.10E-35	postive
PSMC5	AC01053:	0.52079	4.90E-36	postive
RFXANK	AC01053:	0.61497	3.08E-53	postive
SYTL1	AC01053:	0.54088	2.94E-39	postive
MAP2K2	AC01053:	0.60604	2.35E-51	postive
HRAS	AC01053:	0.56277	5.02E-43	postive
UCN	AC01053:	0.50524	1.10E-33	postive
NR2F6	AC01053:	0.54754	2.24E-40	postive

PTPN11	AC01053	-0.52558	8.74E-37	negative
CANX	AC01137	-0.50142	3.97E-33	negative
UBXN1	AC01137	0.54654	3.31E-40	postive
S100A13	AC01137	0.58529	3.32E-47	postive
S100A6	AC01137	0.52268	2.48E-36	postive
MAPK1	AC01137	-0.50861	3.47E-34	negative
TNFSF12	AC01137	0.53101	1.20E-37	postive
IGF2R	AC01137	-0.58409	5.64E-47	negative
ZC3HAV1	PPPP3CB-	0.53102	1.19E-37	postive
SP1	PPPP3CB-	0.51721	1.74E-35	postive
DDX17	PPPP3CB-	0.67895	1.06E-68	postive
NFAT5	PPPP3CB-	0.66778	1.01E-65	postive
NFATC3	PPPP3CB-	0.51766	1.49E-35	postive
NR2C2	PPPP3CB-	0.5348	2.92E-38	postive
RORA	PPPP3CB-	0.69371	7.61E-73	postive
SOS1	PPPP3CB-	0.56109	9.99E-43	postive
CBL	PPPP3CB-	0.53829	7.85E-39	postive
LEAP2	ZNNT1	0.54288	1.36E-39	postive
CREB1	AP00150	-0.5612	9.54E-43	negative
PSMC3	AP00150	0.53598	1.88E-38	postive
PSMC5	AP00150	0.58654	1.90E-47	postive
PSMD4	AP00150	0.5669	9.09E-44	postive
AP3B1	AP00150	-0.57626	1.72E-45	negative
RFXANK	AP00150	0.68417	3.89E-70	postive
UBXN1	AP00150	0.6154	2.49E-53	postive
UBR1	AP00150	-0.59832	8.92E-50	negative
S100A13	AP00150	0.59531	3.58E-49	postive
IRF3	AP00150	0.58874	7.10E-48	postive
C8G	AP00150	0.50133	4.09E-33	postive
MAPK1	AP00150	-0.6518	1.11E-61	negative
EIF2AK2	AP00150	-0.51241	9.35E-35	negative
SP1	AP00150	-0.50761	4.89E-34	negative
SOD1	AP00150	0.50255	2.72E-33	postive
BECN1	AP00150	-0.52315	2.10E-36	negative
IREB2	AP00150	-0.55892	2.42E-42	negative
SYTL1	AP00150	0.50284	2.46E-33	postive
MAP2K2	AP00150	0.62542	1.61E-55	postive
LANCL1	AP00150	-0.57432	3.96E-45	negative
PPP4C	AP00150	0.52962	2.00E-37	postive
HRAS	AP00150	0.65083	1.92E-61	postive
PIK3CA	AP00150	-0.50792	4.39E-34	negative
GSK3B	AP00150	-0.50956	2.50E-34	negative
CD320	AP00150	0.52821	3.35E-37	postive
CLEC11A	AP00150	0.5117	1.20E-34	postive
NENF	AP00150	0.56938	3.21E-44	postive
UCN	AP00150	0.62283	6.03E-55	postive
BMPR2	AP00150	-0.54847	1.56E-40	negative
IGF2R	AP00150	-0.5848	4.13E-47	negative
NR2F6	AP00150	0.63736	3.11E-58	postive
PPARA	AP00150	-0.52973	1.92E-37	negative
PTPN11	AP00150	-0.60114	2.38E-50	negative
SOS2	AP00150	-0.58331	7.96E-47	negative
LEAP2	AL92865	0.6369	3.97E-58	postive
LMBR1L	AL92865	0.58425	5.27E-47	postive
TYK2	AL92865	0.55703	5.20E-42	postive
DDX17	AL92865	0.66341	1.36E-64	postive

IRF9	AL928654	0.54478	6.55E-40	postive
BRD8	AL928654	0.53874	6.63E-39	postive
NR2C2	AL928654	0.51428	4.87E-35	postive
SH3BP2	AL928654	0.50043	5.53E-33	postive
CTF1	LINC0066	-0.50282	2.48E-33	negative
ZC3HAV1AC00483	AC00483	0.53867	6.80E-39	postive
DDX17	AC00483	0.50665	6.79E-34	postive
NFAT5	AC00483	0.62986	1.63E-56	postive
NFATC3	AC00483	0.50538	1.04E-33	postive
AKT3	AC00483	0.54378	9.66E-40	postive
RORA	AC00483	0.71584	1.50E-79	postive
CBL	AC00483	0.57943	4.37E-46	postive
LEAP2	Z83843.1	0.55178	4.23E-41	postive
ZC3HAV1Z83843.1		0.50942	2.63E-34	postive
ZC3HAV1Z83843.1		0.60742	1.21E-51	postive
IL7R	Z83843.1	0.53797	8.86E-39	postive
DDX17	Z83843.1	0.669	4.84E-66	postive
NFAT5	Z83843.1	0.78729	#####	postive
NFATC3	Z83843.1	0.59226	1.45E-48	postive
AKT3	Z83843.1	0.52794	3.69E-37	postive
SLIT2	Z83843.1	0.51788	1.38E-35	postive
PLXNC1	Z83843.1	0.51826	1.20E-35	postive
CRLF3	Z83843.1	0.5565	6.42E-42	postive
NR2C2	Z83843.1	0.57852	6.47E-46	postive
RORA	Z83843.1	0.85262	#####	postive
SOS1	Z83843.1	0.6102	3.17E-52	postive
PRKCA	Z83843.1	0.56238	5.89E-43	postive
CBL	Z83843.1	0.64037	6.16E-59	postive
CREB1	GIHCG	-0.50292	2.40E-33	negative
PSMC3	GIHCG	0.53591	1.93E-38	postive
PSMC5	GIHCG	0.51275	8.32E-35	postive
PSMD4	GIHCG	0.59181	1.78E-48	postive
SEM1	GIHCG	0.58236	1.21E-46	postive
AP3B1	GIHCG	-0.54457	7.12E-40	negative
RFXANK	GIHCG	0.65456	2.32E-62	postive
UBXN1	GIHCG	0.63107	8.66E-57	postive
UBR1	GIHCG	-0.57231	9.31E-45	negative
MAPK1	GIHCG	-0.53666	1.45E-38	negative
STAT3	GIHCG	-0.50345	2.01E-33	negative
IREB2	GIHCG	-0.54996	8.68E-41	negative
MAP2K2	GIHCG	0.5917	1.86E-48	postive
PPP4C	GIHCG	0.50356	1.93E-33	postive
HRAS	GIHCG	0.62509	1.91E-55	postive
NENF	GIHCG	0.62975	1.72E-56	postive
UCN	GIHCG	0.51269	8.50E-35	postive
IGF2R	GIHCG	-0.56507	1.94E-43	negative
NR2F6	GIHCG	0.56515	1.88E-43	postive
PTPN11	GIHCG	-0.52888	2.62E-37	negative
SOS2	GIHCG	-0.50497	1.20E-33	negative
IL7R	AL157394	0.55214	3.67E-41	postive
CXCR6	AL157394	0.51814	1.25E-35	postive
NFAT5	AL157394	0.65132	1.45E-61	postive
PRKCB	AL157394	0.54798	1.89E-40	postive
SLIT2	AL157394	0.51522	3.50E-35	postive
CRLF3	AL157394	0.50624	7.80E-34	postive
PGR	AL157394	0.51319	7.14E-35	postive

RORA	AL157394	0.71913	1.33E-80	positive
LCP2	AL157394	0.52936	2.20E-37	positive
FYN	AL157394	0.54171	2.14E-39	positive
PRKCA	AL157394	0.56736	7.48E-44	positive
SEMA3F	AC005729	0.50385	1.76E-33	positive
ZC3HAV1AP00513	0.50048	5.43E-33	positive	
ZC3HAV1AP00513	0.5929	1.08E-48	positive	
NFAT5	AP00513	0.59723	1.48E-49	positive
AKT3	AP00513	0.61296	8.25E-53	positive
RORA	AP00513	0.72623	6.32E-83	positive
SOS1	AP00513	0.5264	6.47E-37	positive
CBL	AP00513	0.66338	1.39E-64	positive
AGER	AC079414	0.52515	1.02E-36	positive
LEAP2	LINC0135	0.71168	3.05E-78	positive
LMBR1L	LINC0135	0.581	2.20E-46	positive
EED	LINC0135	0.51298	7.66E-35	positive
DDX17	LINC0135	0.64256	1.87E-59	positive
AGER	LINC0135	0.57177	1.17E-44	positive
LEAP2	AC002550	0.58786	1.05E-47	positive
CSRP1	AC036108	0.69927	1.79E-74	positive
ILK	AC036108	0.56177	7.56E-43	positive
PRKCB	AC036108	0.53611	1.79E-38	positive
FGF10	AC036108	0.56036	1.35E-42	positive
EDNRA	AC036108	0.64183	2.79E-59	positive
CTF1	AC036108	0.51904	9.11E-36	positive
OGN	AC036108	0.52027	5.88E-36	positive
ANGPT1	AC036108	0.6385	1.69E-58	positive
ANGPTL1	AC036108	0.64359	1.07E-59	positive
FGFR1	AC036108	0.50484	1.25E-33	positive
PGR	AC036108	0.63694	3.90E-58	positive
TGFBR3	AC036108	0.55296	2.65E-41	positive
PRKCA	AC036108	0.53299	5.73E-38	positive
LMBR1L	AC003071	0.51443	4.62E-35	positive
TYK2	AC003071	0.56093	1.07E-42	positive
IRF9	AC003071	0.50897	3.07E-34	positive
TNFRSF2	AC003071	0.50397	1.68E-33	positive
SEM1	AP003352	0.55459	1.38E-41	positive
AP3B1	AP003352	-0.5249	1.12E-36	negative
MAPK1	AP003352	-0.50184	3.45E-33	negative
PPIA	AP003352	0.55401	1.75E-41	positive
NEO1	AP003352	-0.52285	2.34E-36	negative
ACO1	AP003352	-0.53631	1.66E-38	negative
CAT	AP003352	-0.50805	4.21E-34	negative
UCN	AP003352	0.61389	5.24E-53	positive
IGF2R	AP003352	-0.55284	2.78E-41	negative
SORT1	AP003352	-0.50843	3.70E-34	negative
LEAP2	AC02436	0.58145	1.81E-46	positive
LMBR1L	AC02436	0.50678	6.49E-34	positive
DDX17	AC02436	0.55995	1.59E-42	positive
CREB1	AL121942	-0.5344	3.39E-38	negative
PSMC3	AL121942	0.58883	6.83E-48	positive
PSMC5	AL121942	0.66558	3.76E-65	positive
PSMD4	AL121942	0.56431	2.66E-43	positive
PSMD13	AL121942	0.52713	4.97E-37	positive
SEM1	AL121942	0.50127	4.17E-33	positive
RFXANK	AL121942	0.70705	8.23E-77	positive

ADRM1	AL12194 ²	0.513	7.62E-35	postive
UBXN1	AL12194 ²	0.62274	6.31E-55	postive
UBR1	AL12194 ²	-0.51135	1.35E-34	negative
S100A13	AL12194 ²	0.50517	1.12E-33	postive
MAPK1	AL12194 ²	-0.53437	3.43E-38	negative
SP1	AL12194 ²	-0.53666	1.45E-38	negative
IREB2	AL12194 ²	-0.50759	4.92E-34	negative
SYTL1	AL12194 ²	0.52831	3.22E-37	postive
MAP2K2	AL12194 ²	0.67174	9.20E-67	postive
PPP4C	AL12194 ²	0.58979	4.44E-48	postive
HRAS	AL12194 ²	0.61958	3.10E-54	postive
MYDGF	AL12194 ²	0.6335	2.42E-57	postive
CD320	AL12194 ²	0.54113	2.67E-39	postive
NENF	AL12194 ²	0.59289	1.09E-48	postive
RABEP2	AL12194 ²	0.50559	9.72E-34	postive
BMPR2	AL12194 ²	-0.50193	3.35E-33	negative
NR2C2	AL12194 ²	-0.54381	9.55E-40	negative
NR2F6	AL12194 ²	0.62417	3.05E-55	postive
PTPN11	AL12194 ²	-0.59297	1.05E-48	negative
SOS2	AL12194 ²	-0.56987	2.62E-44	negative
IL7R	AC02528 ¹	0.53762	1.01E-38	postive
NFAT5	AC02528 ¹	0.72908	7.07E-84	postive
NFATC3	AC02528 ¹	0.56136	8.96E-43	postive
SLIT2	AC02528 ¹	0.51202	1.07E-34	postive
RORA	AC02528 ¹	0.75576	1.98E-93	postive
SOS1	AC02528 ¹	0.51748	1.59E-35	postive
PRKCA	AC02528 ¹	0.59691	1.71E-49	postive
PLXNA3	AC01231 ¹	0.53003	1.72E-37	postive
PLXNB3	AC01231 ¹	0.53402	3.91E-38	postive
NR2C2	AC01231 ¹	0.57383	4.89E-45	postive
LEAP2	SCAT2	0.60404	6.08E-51	postive
LCN12	SCAT2	0.50211	3.15E-33	postive
LMBR1L	SCAT2	0.54893	1.30E-40	postive
AGER	SCAT2	0.64583	3.11E-60	postive
IL6ST	ENO1-AS	-0.50452	1.40E-33	negative
RFXANK	AC01071 ¹	0.50024	5.90E-33	postive
UCN	AC01071 ¹	0.57415	4.25E-45	postive
NR2F6	AC01071 ¹	0.52377	1.68E-36	postive
CREB1	AC08403 ¹	-0.50228	2.98E-33	negative
ADAR	AC08403 ¹	-0.51101	1.52E-34	negative
LMBR1	AC08403 ¹	-0.52619	7.00E-37	negative
IREB2	AC08403 ¹	-0.52391	1.60E-36	negative
LANCL1	AC08403 ¹	-0.51221	1.00E-34	negative
LEAP2	AL15739 ²	0.60008	3.91E-50	postive
ZC3HAV1	AL15739 ²	0.5	6.38E-33	postive
ZC3HAV1	AL15739 ²	0.60912	5.34E-52	postive
TCF7L2	AL15739 ²	0.5043	1.50E-33	postive
SP1	AL15739 ²	0.50664	6.80E-34	postive
IL7R	AL15739 ²	0.5427	1.46E-39	postive
DDX17	AL15739 ²	0.70406	6.66E-76	postive
NFAT5	AL15739 ²	0.79554	#####	postive
NFATC3	AL15739 ²	0.59161	1.94E-48	postive
AKT3	AL15739 ²	0.50391	1.72E-33	postive
SLIT2	AL15739 ²	0.52134	4.01E-36	postive
PLXNC1	AL15739 ²	0.51423	4.95E-35	postive
CRLF3	AL15739 ²	0.54349	1.08E-39	postive

NR2C2	AL157392	0.60959	4.25E-52	postive
RORA	AL157392	0.82859	#####	postive
SOS1	AL157392	0.61887	4.43E-54	postive
PRKCA	AL157392	0.58067	2.54E-46	postive
CBL	AL157392	0.63081	9.93E-57	postive
LEAP2	ERVK13-	0.66361	1.21E-64	postive
DDX17	ERVK13-	0.72596	7.79E-83	postive
IRF9	ERVK13-	0.53823	8.04E-39	postive
NFAT5	ERVK13-	0.5281	3.49E-37	postive
NR2C2	ERVK13-	0.54201	1.90E-39	postive
RORA	ERVK13-	0.56002	1.55E-42	postive
LEAP2	AP00087:	0.61986	2.69E-54	postive
DDX17	AP00087:	0.60864	6.74E-52	postive
RORA	AP00087:	0.53061	1.38E-37	postive
UBR1	AC005671	0.53673	1.41E-38	postive
ZC3HAV1	AC005671	0.58273	1.03E-46	postive
EIF2AK2	AC005671	0.50968	2.41E-34	postive
AHNAK	AC005671	0.5174	1.63E-35	postive
SP1	AC005671	0.52892	2.58E-37	postive
NFAT5	AC005671	0.70639	1.31E-76	postive
NFATC3	AC005671	0.63431	1.58E-57	postive
NR2C2	AC005671	0.64066	5.27E-59	postive
PPARA	AC005671	0.54339	1.12E-39	postive
RORA	AC005671	0.67623	5.79E-68	postive
SOS1	AC005671	0.6048	4.23E-51	postive
PRKCA	AC005671	0.5506	6.74E-41	postive
CBL	AC005671	0.55726	4.74E-42	postive
CREB1	LINC0102	-0.5535	2.13E-41	negative
PSMC3	LINC0102	0.57364	5.30E-45	postive
PSMC5	LINC0102	0.60882	6.16E-52	postive
PSMD4	LINC0102	0.58398	5.94E-47	postive
PSMD13	LINC0102	0.57156	1.28E-44	postive
RFXANK	LINC0102	0.67736	2.88E-68	postive
ADRM1	LINC0102	0.53174	9.13E-38	postive
UBXN1	LINC0102	0.58764	1.16E-47	postive
UBR1	LINC0102	-0.55288	2.74E-41	negative
S100A13	LINC0102	0.52981	1.86E-37	postive
IRF3	LINC0102	0.50323	2.16E-33	postive
MAPK1	LINC0102	-0.54369	9.98E-40	negative
SP1	LINC0102	-0.53655	1.52E-38	negative
SLC11A1	LINC0102	0.5501	8.22E-41	postive
JAK1	LINC0102	-0.50057	5.27E-33	negative
IREB2	LINC0102	-0.55216	3.64E-41	negative
MAP2K2	LINC0102	0.69427	5.26E-73	postive
PPP4C	LINC0102	0.5414	2.41E-39	postive
MIF	LINC0102	0.51981	6.95E-36	postive
HRAS	LINC0102	0.64089	4.64E-59	postive
MYDGF	LINC0102	0.59772	1.18E-49	postive
CD320	LINC0102	0.5257	8.36E-37	postive
CLEC11A	LINC0102	0.55089	6.01E-41	postive
NENF	LINC0102	0.57523	2.68E-45	postive
UCN	LINC0102	0.5097	2.39E-34	postive
ACVR1B	LINC0102	-0.51607	2.60E-35	negative
BMPR2	LINC0102	-0.54103	2.77E-39	negative
NR2C2	LINC0102	-0.51502	3.76E-35	negative
NR2F6	LINC0102	0.58758	1.20E-47	postive

PTPN11	LINC0102	-0.59266	1.20E-48	negative
SOS2	LINC0102	-0.56227	6.18E-43	negative
PAK2	LINC0102	-0.51859	1.07E-35	negative
ADRM1	EXOC3-A	0.5242	1.44E-36	postive
PPP4C	EXOC3-A	0.51976	7.05E-36	postive
IL6ST	EXOC3-A	-0.52366	1.75E-36	negative
DEFA6	AC00539:	0.64333	1.23E-59	postive
DEFA5	AC00539:	0.64707	1.56E-60	postive
S100A3	AC00539:	0.53517	2.54E-38	postive
CCL24	AC00539:	0.55275	2.88E-41	postive
EDN3	AC00539:	0.56406	2.95E-43	postive
CHGB	AC00539:	0.62733	6.05E-56	postive
FGF1	AC00539:	0.50518	1.12E-33	postive
CTLA4	AC00539:	0.5064	7.39E-34	postive
TRBJ2-1	AC00539:	0.54505	5.91E-40	postive
TRDC	AC00539:	0.62695	7.35E-56	postive
PTK2	OTUD6B-	0.57928	4.65E-46	postive
LCN12	AL359504	0.60635	2.02E-51	postive
LMBR1L	AL359504	0.52038	5.66E-36	postive
IRF3	AL359504	0.51097	1.54E-34	postive
AGER	AL359504	0.56665	1.01E-43	postive
UCN	AL359504	0.58772	1.12E-47	postive
PSMC2	AC00928:	0.50598	8.52E-34	postive
PSMD3	AC00928:	0.94915	#####	postive
SEM1	AC00928:	0.54362	1.03E-39	postive
LEAP2	LINC0113	0.56549	1.63E-43	postive
LCN12	LINC0113	0.50562	9.64E-34	postive
UCN	LINC0113	0.50508	1.16E-33	postive
TNFRSF1AC11061	AC11061	0.50302	2.32E-33	postive
HNF4G	MIR2052I	0.62457	2.48E-55	postive
PSMC5	ILF3-DT	0.51798	1.33E-35	postive
RFXANK	ILF3-DT	0.5302	1.61E-37	postive
UBXN1	ILF3-DT	0.52155	3.72E-36	postive
MAP2K2	ILF3-DT	0.51207	1.05E-34	postive
LTB4R	SLC25A2	0.55722	4.80E-42	postive
BIRC5	SLC25A2	0.52654	6.16E-37	postive
AMH	SLC25A2	0.74256	1.48E-88	postive
LRSAM1	SLC25A2	0.62425	2.92E-55	postive
AR	SLC25A2	0.58985	4.30E-48	postive
LEAP2	AC00604:	0.59809	9.92E-50	postive
LMBR1L	AC00604:	0.51758	1.53E-35	postive
DDX17	AC00604:	0.5291	2.42E-37	postive
HFE	HCG11	0.6357	7.55E-58	postive
MR1	HCG11	0.71628	1.08E-79	postive
ERAP1	HCG11	0.61402	4.91E-53	postive
SLC40A1	HCG11	0.59683	1.78E-49	postive
TLR3	HCG11	0.62311	5.22E-55	postive
RNASEL	HCG11	0.62151	1.18E-54	postive
CYLD	HCG11	0.5175	1.57E-35	postive
MAPK14	HCG11	0.53759	1.02E-38	postive
AHNAK	HCG11	0.5918	1.79E-48	postive
TLR1	HCG11	0.55265	3.00E-41	postive
JAK1	HCG11	0.59628	2.29E-49	postive
ILK	HCG11	0.54594	4.18E-40	postive
APOBEC	HCG11	0.60169	1.84E-50	postive
LTBP1	HCG11	0.50952	2.54E-34	postive

JAK2	HCG11	0.52597	7.58E-37	postive
PIK3R1	HCG11	0.72383	3.92E-82	postive
INPP5D	HCG11	0.51109	1.48E-34	postive
PRKCB	HCG11	0.57351	5.60E-45	postive
FGF10	HCG11	0.62066	1.80E-54	postive
SEMA6D	HCG11	0.52908	2.43E-37	postive
TNC	HCG11	0.54421	8.17E-40	postive
EDNRA	HCG11	0.62853	3.24E-56	postive
ROBO1	HCG11	0.6065	1.88E-51	postive
CTF1	HCG11	0.50831	3.84E-34	postive
IL33	HCG11	0.60172	1.82E-50	postive
IL6ST	HCG11	0.5663	1.17E-43	postive
NRG2	HCG11	0.54617	3.83E-40	postive
OGN	HCG11	0.5994	5.39E-50	postive
PDGFC	HCG11	0.65383	3.51E-62	postive
ANGPT1	HCG11	0.68675	7.34E-71	postive
ANGPTL1	HCG11	0.50319	2.19E-33	postive
CRIM1	HCG11	0.61511	2.86E-53	postive
EGFR	HCG11	0.50318	2.19E-33	postive
FGFR1	HCG11	0.52901	2.50E-37	postive
LEPR	HCG11	0.5679	5.97E-44	postive
MET	HCG11	0.54342	1.11E-39	postive
NR2F1	HCG11	0.53112	1.15E-37	postive
NR2F2	HCG11	0.50122	4.24E-33	postive
NR3C1	HCG11	0.57803	8.02E-46	postive
PGR	HCG11	0.66202	3.08E-64	postive
PTGER2	HCG11	0.5416	2.23E-39	postive
RARB	HCG11	0.64569	3.36E-60	postive
TGFBR2	HCG11	0.57509	2.85E-45	postive
TGFBR3	HCG11	0.65095	1.79E-61	postive
SOS1	HCG11	0.52165	3.60E-36	postive
SOS2	HCG11	0.52379	1.66E-36	postive
PRKCA	HCG11	0.52498	1.09E-36	postive
PSMD13	AC01598	0.53164	9.47E-38	postive
RFXANK	AC01598	0.56608	1.28E-43	postive
UBXN1	AC01598	0.50023	5.92E-33	postive
HRAS	AC01214	0.53406	3.85E-38	postive
HFE	AC01852	0.5059	8.76E-34	postive
MR1	AC01852	0.57001	2.46E-44	postive
UBR1	AC01852	0.51861	1.06E-35	postive
SLC40A1	AC01852	0.50031	5.76E-33	postive
RNASEL	AC01852	0.56387	3.19E-43	postive
PPIA	AC01852	-0.50723	5.57E-34	negative
CYLD	AC01852	0.51921	8.59E-36	postive
MAPK14	AC01852	0.57862	6.21E-46	postive
AHNAK	AC01852	0.53504	2.67E-38	postive
SP1	AC01852	0.51432	4.80E-35	postive
JAK1	AC01852	0.56911	3.60E-44	postive
ILK	AC01852	0.5253	9.64E-37	postive
JAK2	AC01852	0.5251	1.04E-36	postive
PIK3R1	AC01852	0.58243	1.17E-46	postive
ROBO1	AC01852	0.51269	8.50E-35	postive
ANGPT1	AC01852	0.52999	1.74E-37	postive
CRIM1	AC01852	0.52005	6.36E-36	postive
NR2C2	AC01852	0.50645	7.27E-34	postive
NR3C1	AC01852	0.50379	1.79E-33	postive

PGR	AC01852	0.55668	5.98E-42	postive
RARB	AC01852	0.55791	3.64E-42	postive
TGFBR3	AC01852	0.5016	3.74E-33	postive
SOS1	AC01852	0.52644	6.37E-37	postive
SOS2	AC01852	0.50496	1.20E-33	postive
PRKCA	AC01852	0.53318	5.35E-38	postive
NPR3	AC11745	0.62222	8.21E-55	postive
ZC3HAV1	AC09227	0.534	3.94E-38	postive
DDX17	AC09227	0.58377	6.52E-47	postive
NFAT5	AC09227	0.60904	5.54E-52	postive
NR2C2	AC09227	0.52202	3.15E-36	postive
RORA	AC09227	0.67259	5.46E-67	postive
CBL	AC09227	0.52232	2.83E-36	postive
NFAT5	KIAA1671	0.50769	4.75E-34	postive
LCN6	DIO3OS	0.54706	2.70E-40	postive
PTGDS	DIO3OS	0.5697	2.81E-44	postive
S100A13	DIO3OS	0.59419	5.98E-49	postive
S100A6	DIO3OS	0.73588	3.33E-86	postive
S100A3	DIO3OS	0.54178	2.08E-39	postive
S100A16	DIO3OS	0.62215	8.49E-55	postive
TINAGL1	DIO3OS	0.63174	6.11E-57	postive
WFDC2	DIO3OS	0.51944	7.90E-36	postive
TGFB1	DIO3OS	0.53141	1.03E-37	postive
RBP1	DIO3OS	0.63798	2.22E-58	postive
FABP3	DIO3OS	0.54552	4.92E-40	postive
CD40	DIO3OS	0.50494	1.21E-33	postive
ZYX	DIO3OS	0.62524	1.76E-55	postive
CSRP1	DIO3OS	0.65433	2.64E-62	postive
CD81	DIO3OS	0.55615	7.40E-42	postive
APOM	DIO3OS	0.53363	4.53E-38	postive
TPM2	DIO3OS	0.61277	9.07E-53	postive
STING1	DIO3OS	0.54943	1.07E-40	postive
DES	DIO3OS	0.62265	6.60E-55	postive
KCNH2	DIO3OS	0.53919	5.59E-39	postive
ANXA6	DIO3OS	0.68403	4.25E-70	postive
VIM	DIO3OS	0.57376	5.02E-45	postive
NFATC4	DIO3OS	0.71521	2.37E-79	postive
SEMA3B	DIO3OS	0.65965	1.23E-63	postive
EDNRA	DIO3OS	0.50356	1.93E-33	postive
BMP1	DIO3OS	0.62744	5.70E-56	postive
CLEC11A	DIO3OS	0.50019	5.99E-33	postive
CTF1	DIO3OS	0.66326	1.49E-64	postive
FLT3LG	DIO3OS	0.67406	2.21E-67	postive
IL17B	DIO3OS	0.67724	3.09E-68	postive
IL34	DIO3OS	0.67735	2.88E-68	postive
LTBP3	DIO3OS	0.58681	1.68E-47	postive
LTBP4	DIO3OS	0.56865	4.36E-44	postive
NDP	DIO3OS	0.54215	1.80E-39	postive
NRTN	DIO3OS	0.66269	2.08E-64	postive
TNFSF12	DIO3OS	0.60894	5.82E-52	postive
ACVRL1	DIO3OS	0.52444	1.32E-36	postive
FGFR1	DIO3OS	0.58586	2.57E-47	postive
IL3RA	DIO3OS	0.66503	5.22E-65	postive
NR1H3	DIO3OS	0.50101	4.55E-33	postive
NR2F1	DIO3OS	0.52365	1.75E-36	postive
PTH1R	DIO3OS	0.70815	3.79E-77	postive

S1PR2	DIO3OS	0.59246	1.32E-48	postive
SDC3	DIO3OS	0.50725	5.53E-34	postive
TNFRSF2	DIO3OS	0.52258	2.57E-36	postive
ICAM2	DIO3OS	0.53958	4.82E-39	postive
NFAT5	AC13793	0.5012	4.27E-33	postive
RORA	AC13793	0.572	1.06E-44	postive
CD40	AC13647	0.55787	3.70E-42	postive
STING1	AC13647	0.57131	1.43E-44	postive
FLT3LG	AC13647	0.51927	8.40E-36	postive
JAG2	AC13647	0.52903	2.48E-37	postive
NTF4	AC13647	0.52608	7.28E-37	postive
RARG	AC13647	0.53038	1.51E-37	postive
TNFRSF2	AC13647	0.5479	1.95E-40	postive
LMBR1L	AC00589	0.52169	3.55E-36	postive
IRF3	AC00589	0.51678	2.03E-35	postive
AGER	AC00589	0.71011	9.39E-78	postive
UCN	AC00589	0.50966	2.42E-34	postive
LEAP2	AC00425	0.66087	6.03E-64	postive
LMBR1L	AC00425	0.61564	2.21E-53	postive
DDX17	AC00425	0.61504	2.96E-53	postive
APLN	AC13293	0.5393	5.36E-39	postive
TNFRSF1	AC13293	0.58533	3.26E-47	postive
TACR1	AC13293	0.5303	1.55E-37	postive
FAM3B	AP00275	0.55938	2.01E-42	postive
TINAGL1	AC05350	0.55984	1.66E-42	postive
CSRP1	AC05350	0.58306	8.90E-47	postive
DES	AC05350	0.52454	1.27E-36	postive
ANXA6	AC05350	0.54262	1.51E-39	postive
NFATC4	AC05350	0.58404	5.78E-47	postive
PRKCB	AC05350	0.59008	3.88E-48	postive
ANGPTL1	AC05350	0.54792	1.93E-40	postive
FGFR1	AC05350	0.56951	3.05E-44	postive
PGR	AC05350	0.60377	6.91E-51	postive
S1PR2	AC05350	0.56982	2.67E-44	postive
TGFBR3	AC05350	0.52443	1.32E-36	postive
CREB1	AC02407	0.65823	2.82E-63	postive
PSMC3	AC02407	-0.59087	2.71E-48	negative
PSMC5	AC02407	-0.54095	2.85E-39	negative
PSMD4	AC02407	-0.55893	2.41E-42	negative
SEM1	AC02407	-0.51144	1.31E-34	negative
AP3B1	AC02407	0.51036	1.90E-34	postive
ADRM1	AC02407	-0.5826	1.09E-46	negative
UBXN1	AC02407	-0.52603	7.40E-37	negative
ERAP1	AC02407	0.53432	3.49E-38	postive
UBR1	AC02407	0.6896	1.15E-71	postive
ZC3HAV1	AC02407	0.6452	4.41E-60	postive
MAVS	AC02407	0.6456	3.52E-60	postive
ZC3HAV1	AC02407	0.59259	1.25E-48	postive
MAPK1	AC02407	0.63243	4.23E-57	postive
LRP1	AC02407	0.50764	4.84E-34	postive
NEDD4	AC02407	0.54953	1.03E-40	postive
CYLD	AC02407	0.56216	6.46E-43	postive
EIF2AK2	AC02407	0.66456	6.90E-65	postive
MAPK8	AC02407	0.53768	9.89E-39	postive
AHNAK	AC02407	0.66388	1.03E-64	postive
LMBR1	AC02407	0.50595	8.61E-34	postive

SP1	AC02407	0.71593	1.40E-79	postive
SOD1	AC02407	-0.55425	1.58E-41	negative
JAK1	AC02407	0.55612	7.48E-42	postive
IREB2	AC02407	0.69031	7.23E-72	postive
MAP2K2	AC02407	-0.52415	1.46E-36	negative
PPP4C	AC02407	-0.56242	5.79E-43	negative
JAK2	AC02407	0.50955	2.51E-34	postive
NFAT5	AC02407	0.73591	3.25E-86	postive
NFATC3	AC02407	0.74366	5.95E-89	postive
HRAS	AC02407	-0.57173	1.19E-44	negative
NFKBIB	AC02407	-0.53696	1.30E-38	negative
PIK3R1	AC02407	0.54165	2.19E-39	postive
PIK3CA	AC02407	0.51873	1.02E-35	postive
AKT3	AC02407	0.50575	9.20E-34	postive
GSK3B	AC02407	0.59494	4.24E-49	postive
NENF	AC02407	-0.51037	1.90E-34	negative
ACVR2B	AC02407	0.5842	5.39E-47	postive
BMPR2	AC02407	0.66412	8.93E-65	postive
EGFR	AC02407	0.51972	7.15E-36	postive
IGF1R	AC02407	0.51243	9.28E-35	postive
IGF2R	AC02407	0.64174	2.92E-59	postive
IL17RA	AC02407	0.5684	4.86E-44	postive
NR1H2	AC02407	-0.5151	3.67E-35	negative
NR2C2	AC02407	0.72624	6.28E-83	postive
NR2F6	AC02407	-0.54532	5.31E-40	negative
PPARA	AC02407	0.75796	2.85E-94	postive
RORA	AC02407	0.60288	1.05E-50	postive
SORT1	AC02407	0.51523	3.49E-35	postive
PTPN11	AC02407	0.60109	2.44E-50	postive
SOS1	AC02407	0.71936	1.12E-80	postive
SOS2	AC02407	0.65197	1.01E-61	postive
PRKCA	AC02407	0.52135	4.01E-36	postive
CBL	AC02407	0.61253	1.02E-52	postive
CBLB	AC02407	0.52003	6.41E-36	postive
CREB1	AC06833	-0.50694	6.14E-34	negative
PSMC3	AC06833	0.51342	6.59E-35	postive
PSMC5	AC06833	0.57621	1.76E-45	postive
PSMD4	AC06833	0.5876	1.19E-47	postive
PSMD13	AC06833	0.54899	1.27E-40	postive
RFXANK	AC06833	0.65418	2.88E-62	postive
UBXN1	AC06833	0.63475	1.25E-57	postive
UBR1	AC06833	-0.51704	1.85E-35	negative
MAPK1	AC06833	-0.52792	3.72E-37	negative
SOD1	AC06833	0.51482	4.04E-35	postive
SLC11A1	AC06833	0.52419	1.44E-36	postive
MAP2K2	AC06833	0.59738	1.38E-49	postive
PPP4C	AC06833	0.54145	2.36E-39	postive
MIF	AC06833	0.52761	4.17E-37	postive
HRAS	AC06833	0.65478	2.04E-62	postive
MYDGF	AC06833	0.51638	2.34E-35	postive
NENF	AC06833	0.62287	5.90E-55	postive
PSPN	AC06833	0.51909	8.97E-36	postive
UCN	AC06833	0.56996	2.51E-44	postive
NR2F6	AC06833	0.5957	3.00E-49	postive
PTPN11	AC06833	-0.58334	7.86E-47	negative
CANX	AC00406	0.55276	2.87E-41	postive

CREB1	AC004061	0.53288	5.98E-38	postive
ECPAS	AC004061	0.55074	6.40E-41	postive
UBR1	AC004061	0.50014	6.09E-33	postive
IFNAR1	AC004061	0.5037	1.85E-33	postive
MAPK1	AC004061	0.53436	3.44E-38	postive
CD81	AC004061	-0.52482	1.15E-36	negative
LMBR1	AC004061	0.50181	3.48E-33	postive
ECD	AC004061	0.52955	2.05E-37	postive
IREB2	AC004061	0.59223	1.46E-48	postive
LANCL1	AC004061	0.50488	1.24E-33	postive
CDH1	AC004061	0.50132	4.10E-33	postive
PPP3CA	AC004061	0.51356	6.26E-35	postive
CHUK	AC004061	0.50093	4.68E-33	postive
GSK3B	AC004061	0.59281	1.13E-48	postive
CMTM4	AC004061	0.51674	2.06E-35	postive
RABEP1	AC004061	0.50458	1.37E-33	postive
IGF2R	AC004061	0.53768	9.88E-39	postive
NR2C2	AC004061	0.51504	3.74E-35	postive
PSMC3	AP001361	0.52239	2.76E-36	postive
UBXN1	AP001361	0.52555	8.81E-37	postive
S100A13	AP001361	0.54283	1.39E-39	postive
S100A6	AP001361	0.53486	2.85E-38	postive
TPM2	AP001361	0.53164	9.46E-38	postive
CLEC11A	AP001361	0.50358	1.92E-33	postive
IL17B	AP001361	0.50749	5.10E-34	postive
NRTN	AP001361	0.50823	3.95E-34	postive
VEGFB	AP001361	0.51554	3.14E-35	postive
UCN	AC025261	0.50826	3.92E-34	postive
TINAGL1	AC011471	0.58461	4.49E-47	postive
CSRP1	AC011471	0.64673	1.89E-60	postive
DES	AC011471	0.52161	3.64E-36	postive
ILK	AC011471	0.56201	6.87E-43	postive
MASP1	AC011471	0.55205	3.80E-41	postive
ANXA6	AC011471	0.58624	2.17E-47	postive
NFATC4	AC011471	0.54808	1.82E-40	postive
PRKCB	AC011471	0.6563	8.56E-63	postive
FGF10	AC011471	0.53402	3.92E-38	postive
SLIT2	AC011471	0.51588	2.79E-35	postive
EDNRA	AC011471	0.57169	1.21E-44	postive
CTF1	AC011471	0.54089	2.92E-39	postive
IL33	AC011471	0.50444	1.44E-33	postive
NDP	AC011471	0.54382	9.50E-40	postive
OGN	AC011471	0.54856	1.50E-40	postive
TSLP	AC011471	0.56192	7.13E-43	postive
ANGPT1	AC011471	0.58762	1.18E-47	postive
ANGPTL1	AC011471	0.67269	5.15E-67	postive
FGFR1	AC011471	0.64956	3.91E-61	postive
LGR6	AC011471	0.50555	9.87E-34	postive
PGR	AC011471	0.66758	1.14E-65	postive
PTGER2	AC011471	0.53603	1.84E-38	postive
PTH1R	AC011471	0.50317	2.20E-33	postive
RORA	AC011471	0.5144	4.67E-35	postive
S1PR2	AC011471	0.51188	1.12E-34	postive
SDC3	AC011471	0.51994	6.62E-36	postive
TGFBR3	AC011471	0.59405	6.39E-49	postive
PRKCA	AC011471	0.60877	6.33E-52	postive

CANX	AP00662	-0.55252	3.16E-41	negative
PSMD4	AP00662	0.51991	6.70E-36	postive
SEM1	AP00662	0.51467	4.26E-35	postive
AP3B1	AP00662	-0.6095	4.45E-52	negative
RFXANK	AP00662	0.66498	5.36E-65	postive
PSME3	AP00662	-0.51308	7.40E-35	negative
UBXN1	AP00662	0.54293	1.34E-39	postive
UBR1	AP00662	-0.54642	3.47E-40	negative
TMSB10	AP00662	0.50788	4.46E-34	postive
S100A13	AP00662	0.53657	1.51E-38	postive
LCN12	AP00662	0.67545	9.39E-68	postive
LMBR1L	AP00662	0.50744	5.17E-34	postive
IRF3	AP00662	0.68898	1.72E-71	postive
C8G	AP00662	0.58574	2.72E-47	postive
MAPK1	AP00662	-0.58409	5.64E-47	negative
BECN1	AP00662	-0.50252	2.75E-33	negative
IREB2	AP00662	-0.5328	6.15E-38	negative
SYTL1	AP00662	0.50694	6.14E-34	postive
MAP2K2	AP00662	0.59873	7.36E-50	postive
LANCL1	AP00662	-0.51928	8.39E-36	negative
PPP4C	AP00662	0.52175	3.47E-36	postive
AGER	AP00662	0.63762	2.71E-58	postive
HRAS	AP00662	0.70349	9.88E-76	postive
CHUK	AP00662	-0.50109	4.44E-33	negative
IL6ST	AP00662	-0.50687	6.29E-34	negative
NENF	AP00662	0.52622	6.92E-37	postive
UCN	AP00662	0.66582	3.25E-65	postive
BMPR2	AP00662	-0.50283	2.47E-33	negative
IGF2R	AP00662	-0.57063	1.90E-44	negative
NR2F6	AP00662	0.63358	2.32E-57	postive
OGFR	AP00662	0.59866	7.59E-50	postive
PTPN11	AP00662	-0.59317	9.57E-49	negative
SOS2	AP00662	-0.51022	2.00E-34	negative
TRGV2	TRG-AS1	0.74511	1.79E-89	postive
DUOX1	ADIRF-AS	0.51132	1.36E-34	postive
NTF4	ADIRF-AS	0.56267	5.23E-43	postive
ZC3HAV1	AC00483	0.50061	5.20E-33	postive
NFAT5	AC00483	0.5546	1.38E-41	postive
AKT3	AC00483	0.53366	4.48E-38	postive
RORA	AC00483	0.6366	4.66E-58	postive
CBL	AC00483	0.54643	3.45E-40	postive
LEAP2	NFYC-AS	0.52123	4.18E-36	postive
DDX17	NFYC-AS	0.56019	1.44E-42	postive
IL7R	AC02620	0.53559	2.18E-38	postive
NFAT5	AC02620	0.61324	7.19E-53	postive
RORA	AC02620	0.61165	1.57E-52	postive
PSMC3	AL844908	0.51801	1.31E-35	postive
PSMC5	AL844908	0.58584	2.60E-47	postive
PSMD13	AL844908	0.53882	6.42E-39	postive
RFXANK	AL844908	0.58823	8.95E-48	postive
UBXN1	AL844908	0.5434	1.12E-39	postive
MAP2K2	AL844908	0.58682	1.68E-47	postive
PPP4C	AL844908	0.50456	1.38E-33	postive
HRAS	AL844908	0.5651	1.92E-43	postive
MYDGF	AL844908	0.56281	4.94E-43	postive
CD320	AL844908	0.51344	6.54E-35	postive

NENF	AL844908	0.5327	6.39E-38	postive
NR2F6	AL844908	0.53138	1.04E-37	postive
CD1D	CYTOR	0.5097	2.39E-34	postive
FCER1G	CYTOR	0.61863	4.99E-54	postive
HLA-DMA	CYTOR	0.50166	3.66E-33	postive
HLA-DPB	CYTOR	0.56197	6.98E-43	postive
HLA-DRB	CYTOR	0.50145	3.92E-33	postive
S100A3	CYTOR	0.50173	3.57E-33	postive
TGFB1	CYTOR	0.55378	1.91E-41	postive
CCL5	CYTOR	0.5443	7.91E-40	postive
GNLY	CYTOR	0.53681	1.37E-38	postive
IL18	CYTOR	0.54079	3.03E-39	postive
VCAM1	CYTOR	0.52565	8.51E-37	postive
GBP2	CYTOR	0.54951	1.03E-40	postive
CCL19	CYTOR	0.52466	1.22E-36	postive
CCL11	CYTOR	0.52563	8.56E-37	postive
CXCR4	CYTOR	0.51337	6.69E-35	postive
FGR	CYTOR	0.51587	2.80E-35	postive
CD86	CYTOR	0.54391	9.16E-40	postive
NFATC2	CYTOR	0.52437	1.35E-36	postive
CD72	CYTOR	0.58403	5.79E-47	postive
TYMP	CYTOR	0.57059	1.93E-44	postive
PLAUR	CYTOR	0.58394	6.03E-47	postive
CSF1	CYTOR	0.54236	1.67E-39	postive
FLT3LG	CYTOR	0.52567	8.46E-37	postive
GMFG	CYTOR	0.68889	1.83E-71	postive
IL24	CYTOR	0.5402	3.80E-39	postive
IL32	CYTOR	0.58177	1.57E-46	postive
IL34	CYTOR	0.50644	7.28E-34	postive
IL15RA	CYTOR	0.57204	1.04E-44	postive
IL2RG	CYTOR	0.51587	2.79E-35	postive
IL3RA	CYTOR	0.6211	1.44E-54	postive
TNFRSF1CYTOR		0.53025	1.58E-37	postive
TNFRSF1CYTOR		0.60026	3.60E-50	postive
TNFRSF2CYTOR		0.5502	7.89E-41	postive
TNFRSF4CYTOR		0.6278	4.75E-56	postive
ICAM2	CYTOR	0.55839	3.00E-42	postive
TYROBP	CYTOR	0.6388	1.43E-58	postive
CD247	CYTOR	0.52862	2.88E-37	postive
ZAP70	CYTOR	0.51324	7.00E-35	postive
LCP2	CYTOR	0.50069	5.07E-33	postive
FYN	CYTOR	0.56506	1.95E-43	postive
HCST	CYTOR	0.6146	3.68E-53	postive
CD48	CYTOR	0.52793	3.71E-37	postive
GZMB	CYTOR	0.53688	1.34E-38	postive
PRF1	CYTOR	0.51139	1.33E-34	postive
CD3D	CYTOR	0.56839	4.87E-44	postive
CD3E	CYTOR	0.53241	7.11E-38	postive
TRAC	CYTOR	0.51371	5.96E-35	postive
TRBC2	CYTOR	0.58543	3.13E-47	postive
TRBV28	CYTOR	0.56518	1.86E-43	postive
LEAP2	AL022322	0.56817	5.34E-44	postive
LCN12	AL022322	0.50824	3.95E-34	postive
AGER	AL022322	0.51858	1.07E-35	postive
UCN	AL022322	0.52573	8.27E-37	postive
MC1R	AL022322	0.61004	3.43E-52	postive

CREB1	AC09848	0.60495	3.94E-51	postive
UBR1	AC09848	0.63555	8.15E-58	postive
MAPK1	AC09848	0.57397	4.59E-45	postive
EIF2AK2	AC09848	0.52928	2.26E-37	postive
AHNAK	AC09848	0.54387	9.31E-40	postive
SP1	AC09848	0.57201	1.06E-44	postive
IREB2	AC09848	0.62803	4.20E-56	postive
NFAT5	AC09848	0.56883	4.04E-44	postive
NFATC3	AC09848	0.61635	1.55E-53	postive
GSK3B	AC09848	0.50286	2.45E-33	postive
BMPR2	AC09848	0.60018	3.75E-50	postive
IGF2R	AC09848	0.51212	1.03E-34	postive
NR2C2	AC09848	0.57579	2.11E-45	postive
PPARA	AC09848	0.59286	1.10E-48	postive
PTPN11	AC09848	0.55054	6.90E-41	postive
SOS1	AC09848	0.56549	1.63E-43	postive
SOS2	AC09848	0.54042	3.49E-39	postive
CREB1	AC10844	0.67593	6.98E-68	postive
PSMC3	AC10844	-0.52552	8.92E-37	negative
PSMC5	AC10844	-0.50874	3.32E-34	negative
ADRM1	AC10844	-0.53082	1.28E-37	negative
UBR1	AC10844	0.67109	1.36E-66	postive
ZC3HAV1	AC10844	0.74606	8.11E-90	postive
ZC3HAV1	AC10844	0.73082	1.82E-84	postive
MAPK1	AC10844	0.64276	1.68E-59	postive
NEDD4	AC10844	0.62212	8.63E-55	postive
CYLD	AC10844	0.64651	2.14E-60	postive
MAPK14	AC10844	0.51914	8.82E-36	postive
EIF2AK2	AC10844	0.69939	1.66E-74	postive
MAPK8	AC10844	0.54503	5.94E-40	postive
AHNAK	AC10844	0.6243	2.86E-55	postive
TLR1	AC10844	0.51914	8.79E-36	postive
TCF7L2	AC10844	0.51609	2.59E-35	postive
SP1	AC10844	0.77974	#####	postive
JAK1	AC10844	0.53716	1.20E-38	postive
IREB2	AC10844	0.59137	2.17E-48	postive
DDX17	AC10844	0.56768	6.56E-44	postive
MAP2K2	AC10844	-0.50183	3.46E-33	negative
JAK2	AC10844	0.59644	2.13E-49	postive
NFAT5	AC10844	0.86871	#####	postive
NFATC3	AC10844	0.82445	#####	postive
PIK3R1	AC10844	0.56364	3.51E-43	postive
PIK3CA	AC10844	0.55881	2.53E-42	postive
AKT3	AC10844	0.65783	3.54E-63	postive
GSK3B	AC10844	0.55079	6.26E-41	postive
SLIT2	AC10844	0.5899	4.22E-48	postive
PLXNC1	AC10844	0.59257	1.26E-48	postive
IL6ST	AC10844	0.57243	8.85E-45	postive
ACVR2B	AC10844	0.62722	6.40E-56	postive
BMPR2	AC10844	0.68198	1.57E-69	postive
CRLF3	AC10844	0.55472	1.31E-41	postive
EGFR	AC10844	0.54701	2.75E-40	postive
INSR	AC10844	0.57106	1.58E-44	postive
NR1H2	AC10844	-0.51487	3.97E-35	negative
NR2C2	AC10844	0.77211	#####	postive
NR3C1	AC10844	0.50674	6.59E-34	postive

NR3C2	AC10844 ^c	0.56657	1.04E-43	postive
PGR	AC10844 ^c	0.51411	5.17E-35	postive
PPARA	AC10844 ^c	0.6924	1.82E-72	postive
RORA	AC10844 ^c	0.82228	#####	postive
SORT1	AC10844 ^c	0.5028	2.49E-33	postive
PTPN11	AC10844 ^c	0.58379	6.46E-47	postive
SOS1	AC10844 ^c	0.83212	#####	postive
SOS2	AC10844 ^c	0.62055	1.90E-54	postive
PRKCA	AC10844 ^c	0.58276	1.02E-46	postive
TEC	AC10844 ^c	0.52652	6.20E-37	postive
PAK2	AC10844 ^c	0.53295	5.83E-38	postive
CBL	AC10844 ^c	0.81586	#####	postive
CBLB	AC10844 ^c	0.54444	7.48E-40	postive
BECN1	AC07356 ^c	0.51162	1.23E-34	postive
PLXNB3	AC07356 ^c	0.50375	1.82E-33	postive
NENF	AC07356 ^c	-0.50121	4.26E-33	negative
NR2C2	AC07356 ^c	0.52721	4.83E-37	postive
CANX	AC01251 ^c	-0.55919	2.17E-42	negative
CREB1	AC01251 ^c	-0.53386	4.15E-38	negative
PSMC1	AC01251 ^c	-0.51767	1.48E-35	negative
PSMC3	AC01251 ^c	0.57482	3.19E-45	postive
PSMC5	AC01251 ^c	0.5892	5.77E-48	postive
PSMD4	AC01251 ^c	0.57241	8.93E-45	postive
PSMD5	AC01251 ^c	-0.50343	2.02E-33	negative
SEM1	AC01251 ^c	0.5503	7.60E-41	postive
AP3B1	AC01251 ^c	-0.61218	1.21E-52	negative
RFXANK	AC01251 ^c	0.68519	2.02E-70	postive
UBXN1	AC01251 ^c	0.644	8.54E-60	postive
UBR1	AC01251 ^c	-0.57931	4.60E-46	negative
TMSB10	AC01251 ^c	0.55635	6.84E-42	postive
S100A13	AC01251 ^c	0.69611	1.53E-73	postive
IRF3	AC01251 ^c	0.60435	5.25E-51	postive
MAPK1	AC01251 ^c	-0.65117	1.58E-61	negative
LMBR1	AC01251 ^c	-0.52371	1.71E-36	negative
ECD	AC01251 ^c	-0.54084	2.98E-39	negative
BECN1	AC01251 ^c	-0.61348	6.39E-53	negative
IREB2	AC01251 ^c	-0.57323	6.30E-45	negative
MAP2K2	AC01251 ^c	0.58836	8.44E-48	postive
LANCL1	AC01251 ^c	-0.58345	7.49E-47	negative
TBK1	AC01251 ^c	-0.52234	2.81E-36	negative
AGER	AC01251 ^c	0.55473	1.31E-41	postive
HRAS	AC01251 ^c	0.70481	3.95E-76	postive
CHUK	AC01251 ^c	-0.53258	6.69E-38	negative
GSK3B	AC01251 ^c	-0.52003	6.41E-36	negative
CAT	AC01251 ^c	-0.53252	6.84E-38	negative
CMTM6	AC01251 ^c	-0.53007	1.69E-37	negative
GMFB	AC01251 ^c	-0.52286	2.33E-36	negative
NENF	AC01251 ^c	0.66939	3.82E-66	postive
NMB	AC01251 ^c	0.50426	1.53E-33	postive
UCN	AC01251 ^c	0.60584	2.58E-51	postive
IGF2R	AC01251 ^c	-0.61239	1.09E-52	negative
NR2F6	AC01251 ^c	0.57924	4.75E-46	postive
PTPN11	AC01251 ^c	-0.57429	4.01E-45	negative
SOS2	AC01251 ^c	-0.53629	1.67E-38	negative
ZC3HAV1AL59632 ^c		0.5443	7.90E-40	postive
ZC3HAV1AL59632 ^c		0.63271	3.65E-57	postive

EIF2AK2	AL596325	0.50065	5.14E-33	postive
SP1	AL596325	0.50585	8.89E-34	postive
IL7R	AL596325	0.53895	6.13E-39	postive
DDX17	AL596325	0.65176	1.13E-61	postive
NFAT5	AL596325	0.80622	#####	postive
NFATC3	AL596325	0.61134	1.82E-52	postive
AKT3	AL596325	0.54489	6.29E-40	postive
SLIT2	AL596325	0.51482	4.03E-35	postive
CRLF3	AL596325	0.51292	7.85E-35	postive
NR2C2	AL596325	0.5915	2.04E-48	postive
RORA	AL596325	0.79554	#####	postive
SOS1	AL596325	0.63262	3.84E-57	postive
PRKCA	AL596325	0.51715	1.78E-35	postive
TEC	AL596325	0.53394	4.02E-38	postive
CBL	AL596325	0.63368	2.19E-57	postive
CREB1	AC115618	0.50579	9.10E-34	postive
MAPK8	AC115618	0.50663	6.82E-34	postive
LMBR1	AC115618	0.51472	4.19E-35	postive
IREB2	AC115618	0.51275	8.30E-35	postive
GSK3B	AC115618	0.5532	2.41E-41	postive
NENF	AC115618	-0.5047	1.32E-33	negative
NR2C2	AC115618	0.53545	2.29E-38	postive
PLCG1	AC115618	0.50434	1.48E-33	postive
RFXANK	AC090429	0.58789	1.04E-47	postive
BECN1	AC090429	-0.5588	2.54E-42	negative
MAP2K2	AC090429	0.52998	1.75E-37	postive
LANCL1	AC090429	-0.50045	5.49E-33	negative
HRAS	AC090429	0.60053	3.18E-50	postive
NENF	AC090429	0.56768	6.56E-44	postive
IGF2R	AC090429	-0.5028	2.50E-33	negative
NR2F6	AC090429	0.50456	1.38E-33	postive
CIITA	AC025857	0.54141	2.40E-39	postive
MX2	AC025857	0.58888	6.67E-48	postive
TCF7L2	AC025857	0.5294	2.16E-37	postive
IL7R	AC025857	0.70916	1.85E-77	postive
TRIM22	AC025857	0.54773	2.09E-40	postive
SERPINA	AC025857	0.61411	4.69E-53	postive
NFAT5	AC025857	0.71142	3.68E-78	postive
NFATC3	AC025857	0.50934	2.70E-34	postive
PLXNC1	AC025857	0.54326	1.18E-39	postive
IL24	AC025857	0.57225	9.57E-45	postive
RORA	AC025857	0.71339	8.89E-79	postive
LCP2	AC025857	0.62595	1.23E-55	postive
FYN	AC025857	0.56601	1.31E-43	postive
SOS1	AC025857	0.55051	7.00E-41	postive
PRKCA	AC025857	0.52625	6.84E-37	postive
MAP3K8	AC025857	0.52817	3.39E-37	postive
RFXANK	AC074039	0.60356	7.61E-51	postive
UBXN1	AC074039	0.52317	2.08E-36	postive
S100A13	AC074039	0.5266	6.02E-37	postive
BECN1	AC074039	-0.52357	1.80E-36	negative
MAP2K2	AC074039	0.55431	1.55E-41	postive
LANCL1	AC074039	-0.54328	1.17E-39	negative
HRAS	AC074039	0.56242	5.81E-43	postive
ZC3HAV1SCARNA	AC074039	0.55531	1.04E-41	postive
ZC3HAV1SCARNA	AC074039	0.6192	3.76E-54	postive

IL7R	SCARNA1	0.60805	8.93E-52	positive
DDX17	SCARNA1	0.511	1.52E-34	positive
NFAT5	SCARNA1	0.75684	7.68E-94	positive
NFATC3	SCARNA1	0.59254	1.27E-48	positive
AKT3	SCARNA1	0.57584	2.06E-45	positive
RORA	SCARNA1	0.80113	#####	positive
SOS1	SCARNA1	0.61758	8.44E-54	positive
CBL	SCARNA1	0.67661	4.57E-68	positive
MAP2K2	AL355001	0.50478	1.28E-33	positive
ZC3HAV1AL353804		0.56798	5.77E-44	positive
ZC3HAV1AL353804		0.62239	7.52E-55	positive
CYLD	AL353804	0.53044	1.47E-37	positive
EIF2AK2	AL353804	0.52842	3.10E-37	positive
SP1	AL353804	0.56227	6.16E-43	positive
IL7R	AL353804	0.51521	3.53E-35	positive
DDX17	AL353804	0.60287	1.06E-50	positive
NFAT5	AL353804	0.82093	#####	positive
NFATC3	AL353804	0.68663	7.94E-71	positive
AKT3	AL353804	0.56309	4.40E-43	positive
SLIT2	AL353804	0.55391	1.82E-41	positive
PLXNC1	AL353804	0.51271	8.43E-35	positive
CRLF3	AL353804	0.54205	1.87E-39	positive
NR2C2	AL353804	0.6279	4.49E-56	positive
RORA	AL353804	0.84661	#####	positive
SOS1	AL353804	0.67734	2.90E-68	positive
PRKCA	AL353804	0.60398	6.26E-51	positive
CBL	AL353804	0.68563	1.51E-70	positive
ZC3HAV1AC015711		0.57154	1.29E-44	positive
ZC3HAV1AC015711		0.6408	4.86E-59	positive
SP1	AC015711	0.51609	2.59E-35	positive
IL7R	AC015711	0.59497	4.19E-49	positive
DDX17	AC015711	0.53923	5.51E-39	positive
NFAT5	AC015711	0.78139	#####	positive
NFATC3	AC015711	0.62167	1.08E-54	positive
AKT3	AC015711	0.59739	1.37E-49	positive
SLIT2	AC015711	0.51083	1.62E-34	positive
RORA	AC015711	0.82762	#####	positive
SOS1	AC015711	0.63623	5.69E-58	positive
CBL	AC015711	0.6973	6.87E-74	positive
LEAP2	ZKSCAN2	0.71777	3.62E-80	positive
LCN12	ZKSCAN2	0.56285	4.86E-43	positive
LMBR1L	ZKSCAN2	0.63129	7.73E-57	positive
C8G	ZKSCAN2	0.50868	3.39E-34	positive
LTB4R	ZKSCAN2	0.50713	5.75E-34	positive
AGER	ZKSCAN2	0.58116	2.05E-46	positive
SEM1	KMT2E-A	0.55275	2.89E-41	positive
AP3B1	KMT2E-A	-0.50863	3.45E-34	negative
RFXANK	KMT2E-A	0.59436	5.54E-49	positive
UBR1	KMT2E-A	-0.51557	3.10E-35	negative
LCN12	KMT2E-A	0.51934	8.20E-36	positive
SLC11A1	KMT2E-A	0.5429	1.35E-39	positive
JAK1	KMT2E-A	-0.52362	1.77E-36	negative
MAP2K2	KMT2E-A	0.55288	2.74E-41	positive
HRAS	KMT2E-A	0.59819	9.48E-50	positive
IL6ST	KMT2E-A	-0.52931	2.24E-37	negative
UCN	KMT2E-A	0.56697	8.82E-44	positive

NR2F6	KMT2E-A	0.5807	2.51E-46	positive
PTPN11	KMT2E-A	-0.54441	7.57E-40	negative
LEAP2	AC07348	0.57223	9.66E-45	positive
ZC3HAV1	AC07348	0.53846	7.36E-39	positive
IL7R	AC07348	0.63221	4.76E-57	positive
DDX17	AC07348	0.59519	3.79E-49	positive
SERPINA	AC07348	0.50734	5.35E-34	positive
NFAT5	AC07348	0.76798	3.15E-98	positive
NFATC3	AC07348	0.5472	2.57E-40	positive
RORA	AC07348	0.77167	#####	positive
SOS1	AC07348	0.58477	4.19E-47	positive
PRKCA	AC07348	0.53722	1.18E-38	positive
CBL	AC07348	0.55475	1.30E-41	positive
LEAP2	AC00491	0.57596	1.96E-45	positive
LMBR1L	AC00491	0.51238	9.44E-35	positive
AGER	AC00491	0.61175	1.49E-52	positive
UCN	AC00491	0.54995	8.72E-41	positive
EPOR	AC00491	0.52347	1.87E-36	positive
MC1R	AC00491	0.51783	1.40E-35	positive
UCN	FOXP4-A	0.56902	3.74E-44	positive
MR1	AC00518	0.50281	2.49E-33	positive
TINAGL1	AC00518	0.648	9.35E-61	positive
SLC22A1	AC00518	0.50709	5.85E-34	positive
FABP3	AC00518	0.52365	1.75E-36	positive
ZYX	AC00518	0.52831	3.22E-37	positive
CSRP1	AC00518	0.82522	#####	positive
TPM2	AC00518	0.5119	1.12E-34	positive
DES	AC00518	0.61369	5.77E-53	positive
KCNH2	AC00518	0.56266	5.25E-43	positive
ILK	AC00518	0.6579	3.40E-63	positive
APOBEC	AC00518	0.53867	6.79E-39	positive
MASP1	AC00518	0.6104	2.87E-52	positive
ANXA6	AC00518	0.72112	3.02E-81	positive
NFATC4	AC00518	0.56216	6.44E-43	positive
PRKCB	AC00518	0.59502	4.10E-49	positive
FGF10	AC00518	0.58735	1.33E-47	positive
EDNRA	AC00518	0.68225	1.32E-69	positive
CTF1	AC00518	0.67921	9.04E-69	positive
IL33	AC00518	0.58543	3.13E-47	positive
LTBP4	AC00518	0.51216	1.02E-34	positive
NDP	AC00518	0.66852	6.45E-66	positive
NRG2	AC00518	0.56776	6.35E-44	positive
OGN	AC00518	0.70167	3.48E-75	positive
PDGFC	AC00518	0.60788	9.72E-52	positive
TSLP	AC00518	0.62091	1.59E-54	positive
ANGPT1	AC00518	0.70314	1.26E-75	positive
ANGPTL1	AC00518	0.67884	1.13E-68	positive
FGFR1	AC00518	0.69241	1.81E-72	positive
LGR6	AC00518	0.55591	8.14E-42	positive
NR2F1	AC00518	0.52861	2.89E-37	positive
PGR	AC00518	0.62229	7.92E-55	positive
PTGER2	AC00518	0.60923	5.06E-52	positive
PTH1R	AC00518	0.50301	2.33E-33	positive
SDC3	AC00518	0.59669	1.89E-49	positive
TGFBR3	AC00518	0.63327	2.72E-57	positive
LCN12	SBNO1-A	0.53629	1.67E-38	positive

UCN	SBNO1-A	0.55084	6.15E-41	postive
S100A13	BX32256	0.60945	4.54E-52	postive
S100A6	BX32256	0.64892	5.60E-61	postive
S100A16	BX32256	0.57992	3.53E-46	postive
ZYX	BX32256	0.56665	1.01E-43	postive
CD81	BX32256	0.52493	1.11E-36	postive
TPM2	BX32256	0.53123	1.10E-37	postive
DES	BX32256	0.53127	1.09E-37	postive
NFATC4	BX32256	0.56094	1.06E-42	postive
SEMA3B	BX32256	0.56297	4.63E-43	postive
CTF1	BX32256	0.50783	4.54E-34	postive
FLT3LG	BX32256	0.57882	5.68E-46	postive
IL17B	BX32256	0.59908	6.25E-50	postive
IL34	BX32256	0.52869	2.80E-37	postive
TNFSF12	BX32256	0.504	1.67E-33	postive
IL3RA	BX32256	0.57993	3.52E-46	postive
ICAM2	BX32256	0.50385	1.75E-33	postive
STAT3	AC02203	0.52867	2.82E-37	postive
IGF2	AC01688	0.61647	1.46E-53	postive
LCN12	LINC0068	0.58238	1.20E-46	postive
AGER	LINC0068	0.58407	5.71E-47	postive
UCN	LINC0068	0.57541	2.48E-45	postive
MC1R	LINC0068	0.50169	3.63E-33	postive
LEAP2	AL049552	0.56209	6.63E-43	postive
DDX17	AL049552	0.64007	7.24E-59	postive
NFAT5	AL049552	0.62485	2.16E-55	postive
NR2C2	AL049552	0.51832	1.18E-35	postive
RORA	AL049552	0.67727	3.03E-68	postive
PTGDS	UBXN10-	0.61861	5.05E-54	postive
S100A13	UBXN10-	0.60234	1.36E-50	postive
S100A6	UBXN10-	0.66244	2.41E-64	postive
RBP1	UBXN10-	0.64539	3.97E-60	postive
FABP3	UBXN10-	0.63649	4.95E-58	postive
CSRP1	UBXN10-	0.75286	2.47E-92	postive
CD81	UBXN10-	0.56014	1.48E-42	postive
TPM2	UBXN10-	0.88359	#####	postive
DES	UBXN10-	0.81895	#####	postive
ANXA6	UBXN10-	0.60292	1.03E-50	postive
CCL21	UBXN10-	0.5797	3.89E-46	postive
NFATC4	UBXN10-	0.53671	1.43E-38	postive
CTF1	UBXN10-	0.57894	5.40E-46	postive
IL17B	UBXN10-	0.69802	4.21E-74	postive
NDP	UBXN10-	0.60042	3.34E-50	postive
NRTN	UBXN10-	0.56453	2.43E-43	postive
PROK1	UBXN10-	0.6155	2.36E-53	postive
TNFSF12	UBXN10-	0.58959	4.85E-48	postive
PTH1R	UBXN10-	0.61197	1.34E-52	postive
NPR3	AC00599	0.53465	3.09E-38	postive
LEAP2	AC00584	0.6677	1.06E-65	postive
LMBR1L	AC00584	0.50349	1.98E-33	postive
AGER	AC00584	0.50834	3.80E-34	postive
MC1R	AC00584	0.56562	1.55E-43	postive
PSMC5	AC06483	0.50451	1.40E-33	postive
RFXANK	AC06483	0.56959	2.95E-44	postive
UBXN1	AC06483	0.53296	5.81E-38	postive
MAP2K2	AC06483	0.54438	7.66E-40	postive

HRAS	AC06483	0.53518	2.54E-38	postive
NR2F6	AC06483	0.52411	1.48E-36	postive
DDX17	AC06203	0.58042	2.83E-46	postive
RORA	AC06203	0.58461	4.49E-47	postive
CTSB	AL35476	0.51484	4.01E-35	postive
MR1	AL35476	0.5973	1.43E-49	postive
DEFB1	AL35476	0.54838	1.61E-40	postive
S100A14	AL35476	0.50642	7.35E-34	postive
DUOX1	AL35476	0.58421	5.36E-47	postive
TLR3	AL35476	0.50106	4.48E-33	postive
CD40	AL35476	0.55239	3.32E-41	postive
STING1	AL35476	0.54524	5.48E-40	postive
APOBEC	AL35476	0.52618	7.00E-37	postive
TRIM22	AL35476	0.57166	1.23E-44	postive
GBP2	AL35476	0.54247	1.60E-39	postive
VAV3	AL35476	0.5665	1.07E-43	postive
INPP5D	AL35476	0.52	6.48E-36	postive
NRG2	AL35476	0.52495	1.10E-36	postive
NTF4	AL35476	0.59501	4.11E-49	postive
MET	AL35476	0.56681	9.44E-44	postive
RARB	AL35476	0.58868	7.31E-48	postive
RARG	AL35476	0.54111	2.69E-39	postive
RORA	AL35476	0.51734	1.67E-35	postive
APLN	AC00947	0.53449	3.28E-38	postive
PSMC3	AC09217	0.50688	6.27E-34	postive
PSMC5	AC09217	0.559	2.34E-42	postive
RFXANK	AC09217	0.57058	1.94E-44	postive
UBXN1	AC09217	0.54522	5.53E-40	postive
IRF3	AC09217	0.57329	6.15E-45	postive
MAP2K2	AC09217	0.55293	2.68E-41	postive
HRAS	AC09217	0.62196	9.37E-55	postive
SHC2	AC09217	0.52441	1.33E-36	postive
MC1R	AL64560	0.5187	1.03E-35	postive
CREB1	SCGB1B2	-0.50665	6.79E-34	negative
AP3B1	SCGB1B2	-0.52212	3.04E-36	negative
RFXANK	SCGB1B2	0.62527	1.74E-55	postive
PSME3	SCGB1B2	-0.50575	9.21E-34	negative
UBR1	SCGB1B2	-0.51751	1.57E-35	negative
LCN12	SCGB1B2	0.57482	3.19E-45	postive
IRF3	SCGB1B2	0.55986	1.65E-42	postive
MAPK1	SCGB1B2	-0.56369	3.43E-43	negative
LMBR1	SCGB1B2	-0.52174	3.48E-36	negative
BECN1	SCGB1B2	-0.50265	2.63E-33	negative
IREB2	SCGB1B2	-0.50761	4.89E-34	negative
SYTL1	SCGB1B2	0.52124	4.16E-36	postive
MAP2K2	SCGB1B2	0.58282	9.92E-47	postive
LANCL1	SCGB1B2	-0.50605	8.31E-34	negative
AGER	SCGB1B2	0.57066	1.88E-44	postive
HRAS	SCGB1B2	0.57134	1.41E-44	postive
CMTM6	SCGB1B2	-0.50039	5.60E-33	negative
UCN	SCGB1B2	0.5434	1.11E-39	postive
IGF2R	SCGB1B2	-0.52294	2.26E-36	negative
NR2F6	SCGB1B2	0.59178	1.80E-48	postive
PTPN11	SCGB1B2	-0.56713	8.25E-44	negative
CIITA	IRF1-AS1	0.57995	3.47E-46	postive
LEAP2	IRF1-AS1	0.55004	8.43E-41	postive

ZC3HAV1IRF1-AS1	0.50134	4.08E-33	postive	
ZC3HAV1IRF1-AS1	0.5411	2.70E-39	postive	
MX2	IRF1-AS1	0.56159	8.16E-43	postive
TCF7L2	IRF1-AS1	0.50207	3.19E-33	postive
IL7R	IRF1-AS1	0.70983	1.14E-77	postive
DDX17	IRF1-AS1	0.62322	4.95E-55	postive
IRF9	IRF1-AS1	0.50911	2.92E-34	postive
TRIM22	IRF1-AS1	0.5606	1.22E-42	postive
CXCR6	IRF1-AS1	0.59878	7.19E-50	postive
NFAT5	IRF1-AS1	0.73888	2.98E-87	postive
NFATC3	IRF1-AS1	0.52411	1.49E-36	postive
PLXNC1	IRF1-AS1	0.57416	4.24E-45	postive
IL24	IRF1-AS1	0.59238	1.37E-48	postive
CRLF3	IRF1-AS1	0.54637	3.53E-40	postive
RORA	IRF1-AS1	0.80388	#####	postive
LCP2	IRF1-AS1	0.63742	3.01E-58	postive
FYN	IRF1-AS1	0.60122	2.30E-50	postive
SOS1	IRF1-AS1	0.57558	2.31E-45	postive
PRKCA	IRF1-AS1	0.53629	1.67E-38	postive
PTPRC	IRF1-AS1	0.5268	5.60E-37	postive
CD28	IRF1-AS1	0.50157	3.77E-33	postive
CBL	IRF1-AS1	0.6037	7.12E-51	postive
S100A13	AC01147	0.53912	5.73E-39	postive
S100A6	AC01147	0.5583	3.11E-42	postive
RBP1	AC01147	0.54199	1.92E-39	postive
FABP3	AC01147	0.50776	4.64E-34	postive
CSRP1	AC01147	0.60217	1.47E-50	postive
APOM	AC01147	0.54691	2.87E-40	postive
TPM2	AC01147	0.70806	4.03E-77	postive
DES	AC01147	0.68434	3.48E-70	postive
NFATC4	AC01147	0.50327	2.13E-33	postive
IL17B	AC01147	0.5463	3.64E-40	postive
NDP	AC01147	0.50677	6.52E-34	postive
NRTN	AC01147	0.53483	2.89E-38	postive
TNFSF12	AC01147	0.561	1.04E-42	postive
PTH1R	AC01147	0.56439	2.58E-43	postive
ZC3HAV1AL133243	0.54047	3.43E-39	postive	
ZC3HAV1AL133243	0.6004	3.37E-50	postive	
SP1	AL133243	0.55917	2.18E-42	postive
DDX17	AL133243	0.56317	4.26E-43	postive
NFAT5	AL133243	0.70176	3.26E-75	postive
NFATC3	AL133243	0.58235	1.22E-46	postive
AKT3	AL133243	0.63078	1.01E-56	postive
ACVR2B	AL133243	0.50798	4.31E-34	postive
CRLF3	AL133243	0.55418	1.63E-41	postive
NR2C2	AL133243	0.5645	2.46E-43	postive
RORA	AL133243	0.79476	#####	postive
SOS1	AL133243	0.6442	7.65E-60	postive
PRKCA	AL133243	0.51934	8.21E-36	postive
CBL	AL133243	0.70817	3.73E-77	postive
RFXANK	AC01048	0.55252	3.16E-41	postive
LEAP2	AC01048	0.53052	1.43E-37	postive
AGER	AC01048	0.54368	1.00E-39	postive
CREB1	HYI-AS1	-0.51517	3.58E-35	negative
PSMC3	HYI-AS1	0.56034	1.36E-42	postive
PSMC5	HYI-AS1	0.63912	1.21E-58	postive

PSMD4	HYI-AS1	0.58271	1.04E-46	postive
PSMD13	HYI-AS1	0.56632	1.16E-43	postive
AP3B1	HYI-AS1	-0.54918	1.18E-40	negative
RFXANK	HYI-AS1	0.74858	9.68E-91	postive
UBXN1	HYI-AS1	0.63958	9.41E-59	postive
UBR1	HYI-AS1	-0.51584	2.82E-35	negative
S100A13	HYI-AS1	0.52978	1.88E-37	postive
LCN12	HYI-AS1	0.50822	3.97E-34	postive
IRF3	HYI-AS1	0.63359	2.31E-57	postive
C8G	HYI-AS1	0.54424	8.09E-40	postive
MAPK1	HYI-AS1	-0.60952	4.40E-52	negative
SP1	HYI-AS1	-0.50787	4.47E-34	negative
JAK1	HYI-AS1	-0.51059	1.76E-34	negative
SYTL1	HYI-AS1	0.5456	4.77E-40	postive
MAP2K2	HYI-AS1	0.71786	3.41E-80	postive
PPP4C	HYI-AS1	0.60021	3.69E-50	postive
HRAS	HYI-AS1	0.71214	2.19E-78	postive
MYDGF	HYI-AS1	0.62906	2.46E-56	postive
CD320	HYI-AS1	0.54983	9.12E-41	postive
IL6ST	HYI-AS1	-0.50055	5.31E-33	negative
NENF	HYI-AS1	0.60015	3.79E-50	postive
PSPN	HYI-AS1	0.52688	5.45E-37	postive
RABEP2	HYI-AS1	0.53978	4.46E-39	postive
UCN	HYI-AS1	0.66174	3.64E-64	postive
BMPR2	HYI-AS1	-0.51989	6.75E-36	negative
IGF2R	HYI-AS1	-0.51085	1.60E-34	negative
NR2F6	HYI-AS1	0.71561	1.77E-79	postive
OGFR	HYI-AS1	0.54874	1.40E-40	postive
PTPN11	HYI-AS1	-0.59588	2.76E-49	negative
SHC2	HYI-AS1	0.53772	9.75E-39	postive
SOS2	HYI-AS1	-0.56512	1.90E-43	negative
ACVR2B	ZNF649-/	0.54191	1.98E-39	postive
NR2C2	ZNF649-/	0.55847	2.91E-42	postive
DUOX1	AC09115	0.53509	2.62E-38	postive
CREB1	AC00906	-0.57758	9.76E-46	negative
PSMC3	AC00906	0.57868	6.05E-46	postive
PSMC5	AC00906	0.61386	5.30E-53	postive
PSMD4	AC00906	0.5834	7.65E-47	postive
PSMD13	AC00906	0.53297	5.77E-38	postive
PSME2	AC00906	0.56457	2.39E-43	postive
AP3B1	AC00906	-0.61586	1.98E-53	negative
RFXANK	AC00906	0.76202	7.52E-96	postive
ADRM1	AC00906	0.50482	1.26E-33	postive
UBXN1	AC00906	0.61353	6.24E-53	postive
UBR1	AC00906	-0.58114	2.07E-46	negative
S100A13	AC00906	0.55953	1.89E-42	postive
LCN12	AC00906	0.61209	1.26E-52	postive
IRF3	AC00906	0.6805	3.99E-69	postive
C8G	AC00906	0.59035	3.44E-48	postive
MAPK1	AC00906	-0.63202	5.26E-57	negative
LMBR1	AC00906	-0.5173	1.69E-35	negative
SP1	AC00906	-0.52	6.48E-36	negative
ECD	AC00906	-0.50019	5.99E-33	negative
JAK1	AC00906	-0.56062	1.21E-42	negative
IREB2	AC00906	-0.55587	8.29E-42	negative
SYTL1	AC00906	0.62238	7.57E-55	postive

MAP2K2	AC00906	0.7458	1.00E-89	postive
LANCL1	AC00906	-0.5596	1.84E-42	negative
PPP4C	AC00906	0.59018	3.71E-48	postive
AGER	AC00906	0.57862	6.22E-46	postive
HRAS	AC00906	0.7342	1.27E-85	postive
NFKBIB	AC00906	0.50332	2.10E-33	postive
PIK3CA	AC00906	-0.51481	4.05E-35	negative
GSK3B	AC00906	-0.53435	3.45E-38	negative
MYDGF	AC00906	0.57663	1.47E-45	postive
CD320	AC00906	0.55442	1.48E-41	postive
CMTM6	AC00906	-0.50332	2.10E-33	negative
IL6ST	AC00906	-0.54292	1.35E-39	negative
NENF	AC00906	0.60076	2.85E-50	postive
NMB	AC00906	0.50476	1.29E-33	postive
RABEP2	AC00906	0.58214	1.34E-46	postive
UCN	AC00906	0.66143	4.36E-64	postive
BMPR2	AC00906	-0.56185	7.33E-43	negative
CRIM1	AC00906	-0.50212	3.14E-33	negative
IGF2R	AC00906	-0.56684	9.32E-44	negative
NR2F6	AC00906	0.70085	6.12E-75	postive
OGFR	AC00906	0.61654	1.41E-53	postive
PPARA	AC00906	-0.5029	2.41E-33	negative
PTPN11	AC00906	-0.63126	7.85E-57	negative
SHC2	AC00906	0.52241	2.73E-36	postive
SOS2	AC00906	-0.60012	3.85E-50	negative
PAK2	AC00906	-0.51606	2.61E-35	negative
THBS1	MIR222H	0.53923	5.51E-39	postive
NFATC2	MIR222H	0.56805	5.62E-44	postive
PLAUR	MIR222H	0.60809	8.77E-52	postive
AREG	MIR222H	0.58345	7.50E-47	postive
DKK1	MIR222H	0.57054	1.97E-44	postive
NR4A3	MIR222H	0.54945	1.06E-40	postive
S1PR2	MIR222H	0.51741	1.62E-35	postive
TNFRSF1	MIR222H	0.50079	4.89E-33	postive
TNFRSF1	MIR222H	0.56881	4.09E-44	postive
MAP3K8	MIR222H	0.65963	1.24E-63	postive
MAP3K14	MIR222H	0.63774	2.54E-58	postive
PSMD4	AL023803	0.50384	1.76E-33	postive
PSMD13	AL023803	0.53017	1.63E-37	postive
PSME2	AL023803	0.50241	2.85E-33	postive
SEM1	AL023803	0.5147	4.21E-35	postive
RFXANK	AL023803	0.55931	2.06E-42	postive
MAP2K2	AL023803	0.53446	3.32E-38	postive
PPP4C	AL023803	0.52824	3.31E-37	postive
HRAS	AL023803	0.53912	5.74E-39	postive
MYDGF	AL023803	0.50334	2.08E-33	postive
UCN	AL023803	0.58543	3.12E-47	postive
NR2F6	AL023803	0.54963	9.90E-41	postive
CANX	AC073891	-0.51848	1.11E-35	negative
PSMC5	AC073891	0.51904	9.11E-36	postive
UBXN1	AC073891	0.52528	9.74E-37	postive
S100A13	AC073891	0.54554	4.88E-40	postive
IRF3	AC073891	0.58036	2.91E-46	postive
CANX	CRIM1-D	-0.50412	1.60E-33	negative
PSMC3	CRIM1-D	0.57608	1.86E-45	postive
UBXN1	CRIM1-D	0.57579	2.11E-45	postive

S100A13	CRIM1-D ⁻	0.69028	7.38E-72	postive
S100A6	CRIM1-D ⁻	0.7756	#####	postive
S100A16	CRIM1-D ⁻	0.56877	4.16E-44	postive
RBP1	CRIM1-D ⁻	0.66196	3.19E-64	postive
FABP3	CRIM1-D ⁻	0.56357	3.62E-43	postive
CSRP1	CRIM1-D ⁻	0.5457	4.59E-40	postive
CD81	CRIM1-D ⁻	0.57948	4.27E-46	postive
APOM	CRIM1-D ⁻	0.54829	1.67E-40	postive
TPM2	CRIM1-D ⁻	0.71938	1.10E-80	postive
DES	CRIM1-D ⁻	0.71727	5.26E-80	postive
ANXA6	CRIM1-D ⁻	0.61105	2.09E-52	postive
CCL21	CRIM1-D ⁻	0.55422	1.61E-41	postive
NFATC4	CRIM1-D ⁻	0.54083	2.99E-39	postive
SEMA3B	CRIM1-D ⁻	0.50722	5.59E-34	postive
CTF1	CRIM1-D ⁻	0.61208	1.27E-52	postive
FLT3LG	CRIM1-D ⁻	0.6253	1.72E-55	postive
IL17B	CRIM1-D ⁻	0.62701	7.13E-56	postive
IL34	CRIM1-D ⁻	0.57859	6.28E-46	postive
NDP	CRIM1-D ⁻	0.52293	2.27E-36	postive
NRTN	CRIM1-D ⁻	0.68564	1.51E-70	postive
TNFSF12	CRIM1-D ⁻	0.62104	1.49E-54	postive
VEGFB	CRIM1-D ⁻	0.53177	9.03E-38	postive
IL3RA	CRIM1-D ⁻	0.54875	1.40E-40	postive
PTH1R	CRIM1-D ⁻	0.67745	2.71E-68	postive
S1PR2	CRIM1-D ⁻	0.51129	1.38E-34	postive
FCGRT	PIK3CD- α	0.58268	1.05E-46	postive
S100A16	PIK3CD- α	0.51354	6.32E-35	postive
SLC22A1	PIK3CD- α	0.52375	1.69E-36	postive
WFDC2	PIK3CD- α	0.56098	1.05E-42	postive
CD81	PIK3CD- α	0.54054	3.34E-39	postive
CTF1	PIK3CD- α	0.50332	2.10E-33	postive
NTF4	PIK3CD- α	0.54398	8.94E-40	postive
CANX	ZSCAN16	-0.53342	4.89E-38	negative
CREB1	ZSCAN16	-0.61226	1.16E-52	negative
PSMC3	ZSCAN16	0.67789	2.06E-68	postive
PSMC5	ZSCAN16	0.6995	1.54E-74	postive
PSMD4	ZSCAN16	0.67258	5.48E-67	postive
PSMD5	ZSCAN16	-0.55868	2.67E-42	negative
PSMD13	ZSCAN16	0.52084	4.81E-36	postive
PSME2	ZSCAN16	0.51843	1.13E-35	postive
SEM1	ZSCAN16	0.55423	1.60E-41	postive
AP3B1	ZSCAN16	-0.58288	9.62E-47	negative
RFXANK	ZSCAN16	0.73072	1.97E-84	postive
ADRM1	ZSCAN16	0.51476	4.12E-35	postive
UBXN1	ZSCAN16	0.70993	1.07E-77	postive
UBR1	ZSCAN16	-0.58517	3.50E-47	negative
S100A13	ZSCAN16	0.69077	5.33E-72	postive
IRF3	ZSCAN16	0.57514	2.78E-45	postive
MAPK1	ZSCAN16	-0.61624	1.64E-53	negative
CD81	ZSCAN16	0.54456	7.13E-40	postive
EIF2AK2	ZSCAN16	-0.52857	2.93E-37	negative
MAPK8	ZSCAN16	-0.52888	2.62E-37	negative
TPM2	ZSCAN16	0.51787	1.38E-35	postive
LMBR1	ZSCAN16	-0.52192	3.26E-36	negative
SP1	ZSCAN16	-0.59332	8.91E-49	negative
SOD1	ZSCAN16	0.53095	1.22E-37	postive

ECD	ZSCAN16	-0.52646	6.34E-37	negative
IREB2	ZSCAN16	-0.61006	3.39E-52	negative
MAP2K2	ZSCAN16	0.67903	1.01E-68	postive
LANCL1	ZSCAN16	-0.53755	1.04E-38	negative
PPP4C	ZSCAN16	0.54026	3.72E-39	postive
TBK1	ZSCAN16	-0.52114	4.32E-36	negative
PTK2	ZSCAN16	-0.50204	3.23E-33	negative
HRAS	ZSCAN16	0.71278	1.39E-78	postive
CHUK	ZSCAN16	-0.52814	3.44E-37	negative
NFKBIB	ZSCAN16	0.5027	2.58E-33	postive
PIK3CA	ZSCAN16	-0.50378	1.80E-33	negative
GSK3B	ZSCAN16	-0.55934	2.04E-42	negative
MYDGF	ZSCAN16	0.61047	2.78E-52	postive
CD320	ZSCAN16	0.53934	5.27E-39	postive
CLEC11A	ZSCAN16	0.61837	5.70E-54	postive
CMTM6	ZSCAN16	-0.55021	7.86E-41	negative
GMFB	ZSCAN16	-0.50358	1.92E-33	negative
IL17B	ZSCAN16	0.50996	2.19E-34	postive
NENF	ZSCAN16	0.72873	9.28E-84	postive
NMB	ZSCAN16	0.58602	2.40E-47	postive
TNFSF12	ZSCAN16	0.50517	1.12E-33	postive
VEGFB	ZSCAN16	0.52486	1.13E-36	postive
ACVR1B	ZSCAN16	-0.59874	7.32E-50	negative
BMPR2	ZSCAN16	-0.55377	1.92E-41	negative
IGF2R	ZSCAN16	-0.58737	1.32E-47	negative
NR2C2	ZSCAN16	-0.58986	4.29E-48	negative
NR2F6	ZSCAN16	0.62863	3.09E-56	postive
PPARA	ZSCAN16	-0.56036	1.35E-42	negative
PTPN11	ZSCAN16	-0.62437	2.75E-55	negative
SOS1	ZSCAN16	-0.51294	7.77E-35	negative
SOS2	ZSCAN16	-0.6095	4.44E-52	negative
PAK2	ZSCAN16	-0.52341	1.91E-36	negative
CBLB	ZSCAN16	-0.51147	1.30E-34	negative

TableS2. the detail values of univariate and multivariate Cox regression analyses in training cohort

id	Univariate analysis			Multivariate analysis		
	HR	95%CI	p-value	HR	95%CI	p-value
Age	1.032	0.968-1.102	0.335	1.026	0.961-1.095	0.447
Grade	1.635	1.152-2.320	0.006	1.163	0.782-1.732	0.456
Stage	1.474	1.096-1.981	0.010	1.153	0.850-1.565	0.360
Riskscore	8.102	3.536-18.562	0.001	6.250	2.392-16.329	0.001

TableS3. the detail values of univariate and multivariate Cox regression analyses in testing cohort

id	Univariate analysis			Multivariate analysis		
	HR	95%CI	p-value	HR	95%CI	p-value
Age	0.989	0.932-1.049	0.711	0.977	0.921-1.036	0.443
Grade	1.879	1.313-2.688	0.001	1.512	0.987-2.318	0.058
Stage	1.544	1.107-2.152	0.010	1.224	0.819-1.828	0.325
riskScore	8.964	3.228-24.889	0.000	7.484	2.365-23.678	0.001

TableS4. the detail values of univariate and multivariate Cox regression analyses in entire cohort

id	Univariate analysis			Multivariate analysis		
	HR	95%CI	p-value	HR	95%CI	p-value
Age	1.009	0.967-1.053	0.690	0.993	0.951-1.037	0.740
Grade	1.744	1.359-2.239	0.001	1.351	1.016-1.796	0.038
Stage	1.505	1.206-1.878	0.001	1.173	0.926-1.487	0.186
riskScore	8.124	4.346-15.188	0.001	5.574	2.765-11.239	0.001