

Supplementary Table 1: Sample information of GSE152805

Cell annotation	Sample	Class
GSM4626766_AAACCTGAGATGGGTC-1	GSM4626766	Normal
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GSM4626766_AAACCTGAGCTCCTCT-1	GSM4626766	Normal
GSM4626766_AAACCTGAGGCATGGT-1	GSM4626766	Normal
GSM4626766_AAACCTGAGTCTTGCA-1	GSM4626766	Normal
GSM4626766_AAACCTGAGTGTTGAA-1	GSM4626766	Normal
GSM4626766_AAACCTGCAGTGGAGT-1	GSM4626766	Normal
GSM4626766_AAACCTGCATACCATG-1	GSM4626766	Normal
GSM4626766_AAACCTGCATGCGCAC-1	GSM4626766	Normal
GSM4626766_AAACCTGCATTCTGC-1	GSM4626766	Normal
GSM4626766_AAACCTGGTAACGTTT-1	GSM4626766	Normal
GSM4626766_AAACCTGGTAAGGGCT-1	GSM4626766	Normal
GSM4626766_AAACCTGGTCTGCGGT-1	GSM4626766	Normal
GSM4626766_AAACCTGGTTAGGGTG-1	GSM4626766	Normal
GSM4626766_AAACCTGGTTCACGGC-1	GSM4626766	Normal
GSM4626766_AAACCTGGTTCCTTG-1	GSM4626766	Normal
GSM4626766_AAACCTGTCCATGAAC-1	GSM4626766	Normal
GSM4626766_AAACCTGTGATGAGG-1	GSM4626766	Normal
GSM4626766_AAACCTGTGCGACAAG-1	GSM4626766	Normal
GSM4626766_AAACGGGAGAAGGCCT-1	GSM4626766	Normal
GSM4626766_AAACGGGAGAATAGGG-1	GSM4626766	Normal
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GSM4626766_AAACGGGAGATACACA-1	GSM4626766	Normal
GSM4626766_AAACGGGAGATCGGGT-1	GSM4626766	Normal
GSM4626766_AAACGGGAGGCCCGTT-1	GSM4626766	Normal
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GSM4626771_TTCCGGTCAGTCCGGTC-1	GSM4626771	OA
GSM4626771_TTCCGGTCCATACGCCG-1	GSM4626771	OA
GSM4626771_TTCCGGTCGTAAGAGAG-1	GSM4626771	OA
GSM4626771_TTCCGGTCGTGCATCTA-1	GSM4626771	OA
GSM4626771_TTCCGGTCGTGGTGTAG-1	GSM4626771	OA
GSM4626771_TTCCGGTCTCACTATTC-1	GSM4626771	OA
GSM4626771_TTCCGGTCTCATGTAGC-1	GSM4626771	OA
GSM4626771_TTCCGGTCTCCGAAGAG-1	GSM4626771	OA
GSM4626771_TTCCGGTCTCCTCCTAG-1	GSM4626771	OA
GSM4626771_TTCCGGTCTCTCATTCA-1	GSM4626771	OA
GSM4626771_TTCTACACACGTGAGA-1	GSM4626771	OA

GSM4626771_TTCTACACAGGTCGTC-1	GSM4626771	OA
GSM4626771_TTCTACACATGCTAGT-1	GSM4626771	OA
GSM4626771_TTCTACACATTCTCAT-1	GSM4626771	OA
GSM4626771_TTCTACAGTATTACCG-1	GSM4626771	OA
GSM4626771_TTCTACATCACAAACC-1	GSM4626771	OA
GSM4626771_TTCTACATCCGAAGAG-1	GSM4626771	OA
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GSM4626771_TTCTACATCTGATACG-1	GSM4626771	OA
GSM4626771_TTCTCAAAGAGTCGGT-1	GSM4626771	OA
GSM4626771_TTCTCAAAGCGTTGCC-1	GSM4626771	OA
GSM4626771_TTCTCAAAGGGCTCTC-1	GSM4626771	OA
GSM4626771_TTCTCAAAGGTAGCTG-1	GSM4626771	OA
GSM4626771_TTCTCAACAAGCGTAG-1	GSM4626771	OA
GSM4626771_TTCTCAACAATCTACG-1	GSM4626771	OA
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GSM4626771_TTCTCAAGTATCAGTC-1	GSM4626771	OA
GSM4626771_TTCTCAAGTGTGCTG-1	GSM4626771	OA
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GSM4626771_TTCTTAGAGGAATCGC-1	GSM4626771	OA
GSM4626771_TTCTTAGAGTTTGCCT-1	GSM4626771	OA
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GSM4626771_TTCTTAGCATGTAGTC-1	GSM4626771	OA
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GSM4626771_TTCTTAGTCGCCTGAG-1	GSM4626771	OA
GSM4626771_TTCTTAGTCTTCATGT-1	GSM4626771	OA
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GSM4626771_TTGAACGAGACAAAGG-1	GSM4626771	OA
GSM4626771_TTGAACGAGAGGTTGC-1	GSM4626771	OA
GSM4626771_TTGAACGAGCCAGAAC-1	GSM4626771	OA
GSM4626771_TTGAACGAGCGGATCA-1	GSM4626771	OA
GSM4626771_TTGAACGAGCTAGGCA-1	GSM4626771	OA
GSM4626771_TTGAACGAGGCTATCT-1	GSM4626771	OA
GSM4626771_TTGAACGAGGGCTTCC-1	GSM4626771	OA
GSM4626771_TTGAACGAGTCCCACG-1	GSM4626771	OA
GSM4626771_TTGAACGCACTGTGTA-1	GSM4626771	OA
GSM4626771_TTGAACGCATAAGACA-1	GSM4626771	OA
GSM4626771_TTGAACGGTAAGTGTA-1	GSM4626771	OA
GSM4626771_TTGAACGGTAGCGATG-1	GSM4626771	OA
GSM4626771_TTGAACGGTAGGACAC-1	GSM4626771	OA
GSM4626771_TTGAACGGTCCGATCG-1	GSM4626771	OA
GSM4626771_TTGAACGGTCCGCACT-1	GSM4626771	OA
GSM4626771_TTGAACGGTCTTGATG-1	GSM4626771	OA
GSM4626771_TTGAACGGTTCGTCTC-1	GSM4626771	OA

GSM4626771_TTGAACGTCACGCATA-1	GSM4626771	OA
GSM4626771_TTGACTTAGAAGATTC-1	GSM4626771	OA
GSM4626771_TTGACTTCAAGGTTCT-1	GSM4626771	OA
GSM4626771_TTGACTTCAGGCGATA-1	GSM4626771	OA
GSM4626771_TTGACTTCATTAACCG-1	GSM4626771	OA
GSM4626771_TTGACTTGTCCGTTAA-1	GSM4626771	OA
GSM4626771_TTGACTTGTGCCTTGG-1	GSM4626771	OA
GSM4626771_TTGACTTGTGGTGGA-1	GSM4626771	OA
GSM4626771_TTGCCGTAGCGTCAAG-1	GSM4626771	OA
GSM4626771_TTGCCGTCACTTAAGC-1	GSM4626771	OA
GSM4626771_TTGCCGTCATAAGACA-1	GSM4626771	OA
GSM4626771_TTGCCGTCATGTCGAT-1	GSM4626771	OA
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GSM4626771_TTGCCGTTCTTAATC-1	GSM4626771	OA
GSM4626771_TTGCCGTTTCGTATCAG-1	GSM4626771	OA
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GSM4626771_TTGCGTCAGGACGAAA-1	GSM4626771	OA
GSM4626771_TTGCGTCAGTACGACG-1	GSM4626771	OA
GSM4626771_TTGCGTCCAATGACCT-1	GSM4626771	OA
GSM4626771_TTGCGTCCACCTATCC-1	GSM4626771	OA
GSM4626771_TTGCGTCGTGAGTATA-1	GSM4626771	OA
GSM4626771_TTGCGTCTCCGAATGT-1	GSM4626771	OA
GSM4626771_TTGCGTCTCGCTTGTC-1	GSM4626771	OA
GSM4626771_TTGGAACAGACTTTCG-1	GSM4626771	OA
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GSM4626771_TTGGAACCAAATACAG-1	GSM4626771	OA
GSM4626771_TTGGAACCAATCCGAT-1	GSM4626771	OA
GSM4626771_TTGGAACCACCGTTGG-1	GSM4626771	OA
GSM4626771_TTGGAACCAGGCTGAA-1	GSM4626771	OA
GSM4626771_TTGGAACGTATATCCG-1	GSM4626771	OA
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GSM4626771_TTGGCAAAGCCACGCT-1	GSM4626771	OA
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GSM4626771_TTTACTGCAGGGATTG-1	GSM4626771	OA

GSM4626771_TTTACTGTCAGTGTTG-1	GSM4626771	OA
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GSM4626771_TTTACTGTCTGCTGCT-1	GSM4626771	OA
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GSM4626771_TTTGTCATCGAATCCA-1	GSM4626771	OA
GSM4626771_TTTGTCATCGCCTGAG-1	GSM4626771	OA
GSM4626771_TTTGTCATCTCGATGA-1	GSM4626771	OA

Supplementary Table 2: Sample information of microarray

Number	Sample	Type	Batch
1	GSM1332201	disease state: healthy control	GSE55235
2	GSM1332202	disease state: healthy control	GSE55235
3	GSM1332203	disease state: healthy control	GSE55235
4	GSM1332204	disease state: healthy control	GSE55235
5	GSM1332205	disease state: healthy control	GSE55235
6	GSM1332206	disease state: healthy control	GSE55235
7	GSM1332207	disease state: healthy control	GSE55235
8	GSM1332208	disease state: healthy control	GSE55235
9	GSM1332209	disease state: healthy control	GSE55235
10	GSM1332210	disease state: healthy control	GSE55235
11	GSM1332211	disease state: osteoarthritis	GSE55235
12	GSM1332212	disease state: synovial tissue isolated from osteoarthritic joint	GSE55235
13	GSM1332213	disease state: synovial tissue isolated from osteoarthritic joint	GSE55235
14	GSM1332214	disease state: synovial tissue isolated from osteoarthritic joint	GSE55235
15	GSM1332215	disease state: synovial tissue isolated from osteoarthritic joint	GSE55235
16	GSM1332216	disease state: synovial tissue isolated from osteoarthritic joint	GSE55235
17	GSM1332217	disease state: synovial tissue isolated from osteoarthritic joint	GSE55235
18	GSM1332218	disease state: synovial tissue isolated from osteoarthritic joint	GSE55235
19	GSM1332219	disease state: synovial tissue isolated from osteoarthritic joint	GSE55235
20	GSM1332220	disease state: synovial tissue isolated from osteoarthritic joint	GSE55235
21	GSM1332221	disease state: rheumatoid arthritis	GSE55235
22	GSM1332222	disease state: rheumatoid arthritis	GSE55235
23	GSM1332223	disease state: rheumatoid arthritis	GSE55235
24	GSM1332224	disease state: rheumatoid arthritis	GSE55235
25	GSM1332225	disease state: rheumatoid arthritis	GSE55235
26	GSM1332226	disease state: rheumatoid arthritis	GSE55235
27	GSM1332227	disease state: rheumatoid arthritis	GSE55235
28	GSM1332228	disease state: rheumatoid arthritis	GSE55235
29	GSM1332229	disease state: rheumatoid arthritis	GSE55235
30	GSM1332230	disease state: rheumatoid arthritis	GSE55235
31	GSM1337304	clinical status: normal control	GSE55457
32	GSM1337305	clinical status: normal control	GSE55457
33	GSM1337306	clinical status: normal control	GSE55457
34	GSM1337307	clinical status: normal control	GSE55457
35	GSM1337308	clinical status: normal control	GSE55457
36	GSM1337309	clinical status: normal control	GSE55457
37	GSM1337310	clinical status: normal control	GSE55457
38	GSM1337311	clinical status: normal control	GSE55457
39	GSM1337312	clinical status: normal control	GSE55457
40	GSM1337313	clinical status: normal control	GSE55457
41	GSM1337314	clinical status: rheumatoid arthritis	GSE55457
42	GSM1337315	clinical status: rheumatoid arthritis	GSE55457
43	GSM1337316	clinical status: rheumatoid arthritis	GSE55457
44	GSM1337317	clinical status: rheumatoid arthritis	GSE55457
45	GSM1337318	clinical status: rheumatoid arthritis	GSE55457
46	GSM1337319	clinical status: rheumatoid arthritis	GSE55457
47	GSM1337320	clinical status: rheumatoid arthritis	GSE55457
48	GSM1337321	clinical status: rheumatoid arthritis	GSE55457
49	GSM1337322	clinical status: rheumatoid arthritis	GSE55457
50	GSM1337323	clinical status: rheumatoid arthritis	GSE55457
51	GSM1337324	clinical status: rheumatoid arthritis	GSE55457
52	GSM1337325	clinical status: rheumatoid arthritis	GSE55457
53	GSM1337326	clinical status: rheumatoid arthritis	GSE55457
54	GSM1337327	clinical status: osteoarthritis	GSE55457
55	GSM1337328	clinical status: osteoarthritis	GSE55457

56	GSM1337329	clinical status: osteoarthritis	GSE55457
57	GSM1337330	clinical status: osteoarthritis	GSE55457
58	GSM1337331	clinical status: osteoarthritis	GSE55457
59	GSM1337332	clinical status: osteoarthritis	GSE55457
60	GSM1337333	clinical status: osteoarthritis	GSE55457
61	GSM1337334	clinical status: osteoarthritis	GSE55457
62	GSM1337335	clinical status: osteoarthritis	GSE55457
63	GSM1337336	clinical status: osteoarthritis	GSE55457
64	GSM1339618	clinical status: rheumatoid arthritis	GSE55584
65	GSM1339619	clinical status: rheumatoid arthritis	GSE55584
66	GSM1339620	clinical status: rheumatoid arthritis	GSE55584
67	GSM1339621	clinical status: rheumatoid arthritis	GSE55584
68	GSM1339622	clinical status: rheumatoid arthritis	GSE55584
69	GSM1339623	clinical status: rheumatoid arthritis	GSE55584
70	GSM1339624	clinical status: rheumatoid arthritis	GSE55584
71	GSM1339625	clinical status: rheumatoid arthritis	GSE55584
72	GSM1339626	clinical status: rheumatoid arthritis	GSE55584
73	GSM1339627	clinical status: rheumatoid arthritis	GSE55584
74	GSM1339628	clinical status: osteoarthritis	GSE55584
75	GSM1339629	clinical status: osteoarthritis	GSE55584
76	GSM1339630	clinical status: osteoarthritis	GSE55584
77	GSM1339631	clinical status: osteoarthritis	GSE55584
78	GSM1339632	clinical status: osteoarthritis	GSE55584
79	GSM1339633	clinical status: osteoarthritis	GSE55584

Supplementary Table 3: The patient information

Characteristic		RA patients (n =10)	OA patients (n =10)
Demographic	Age (average)	57.47±4.75	68.35±6.20
	Female (n)	7	5
Disease status	CRP (mg/mL)	39.45±17.67	2.24±1.53
	APCA (U/mL)	42.57±15.38	13.75±7.94
	RF (IU/mL)	69.36±42.36	9.73±3.32
	ESR (mm/h)	136.67±37.58	18.25±11.46

Supplementary Table 4: DEGs of per celltype

Gene	P_val	Avg log2FC	Pct.1	Pct.2	P_val_adj	Cluster	Gene symbol
FRZB	0	1.186182827	0.949	0.763	0	HomC	FRZB
JUN	0	1.059873432	0.971	0.907	0	HomC	JUN
CFH	0	1.00083053	0.986	0.93	0	HomC	CFH
RASD1	0	0.936853491	0.791	0.575	0	HomC	RASD1
FOSB	0	0.914711489	0.921	0.823	0	HomC	FOSB
ATF3	0	0.907106886	0.749	0.516	0	HomC	ATF3
ZFP36	0	0.862727648	0.988	0.943	0	HomC	ZFP36
NR4A1	0	0.818653735	0.756	0.522	0	HomC	NR4A1
GEM	0	0.815087373	0.915	0.749	0	HomC	GEM
BTG2	0	0.813867008	0.843	0.678	0	HomC	BTG2
CRISPLD1	0	0.811402539	0.663	0.44	0	HomC	CRISPLD1
CLEC3A	0	0.810506418	0.873	0.695	0	HomC	CLEC3A
JUNB	0	0.804833346	0.999	0.991	0	HomC	JUNB
FOS	0	0.786021238	0.994	0.973	0	HomC	FOS
HAPLN1	0	0.775044995	0.976	0.94	0	HomC	HAPLN1
COL9A3	0	0.737972398	0.974	0.867	0	HomC	COL9A3
GDF10	0	0.70426524	0.841	0.551	0	HomC	GDF10
SRSF7	0	0.695515163	0.924	0.831	0	HomC	SRSF7
TUBB2B	0	0.688987457	0.817	0.546	0	HomC	TUBB2B
IER2	0	0.679805737	0.942	0.839	0	HomC	IER2
MATN3	0	0.643029836	0.745	0.474	0	HomC	MATN3
ACAN	0	0.619464693	0.987	0.96	0	HomC	ACAN
EGR1	0	0.61083948	0.968	0.893	0	HomC	EGR1
NR4A2	0	0.603780373	0.76	0.564	0	HomC	NR4A2
ACTG1	0	0.592070591	1	0.993	0	HomC	ACTG1
RGS3	0	0.584316876	0.892	0.776	0	HomC	RGS3
COL9A2	0	0.584000468	0.847	0.628	0	HomC	COL9A2
SCRG1	0	0.56891797	0.993	0.994	0	HomC	SCRG1
WWP2	0	0.567581267	0.925	0.799	0	HomC	WWP2
RARRES2	0	0.566546106	0.546	0.284	0	HomC	RARRES2
PLA2G2A	0	0.558023487	0.994	0.988	0	HomC	PLA2G2A
TSC22D1	0	0.536563519	0.991	0.967	0	HomC	TSC22D1
ACTB	0	0.525948814	0.999	0.996	0	HomC	ACTB
MCL1	0	0.520773686	0.929	0.823	0	HomC	MCL1
SERPINA5	0	0.503328404	0.929	0.809	0	HomC	SERPINA5
WIF1	0	0.494618717	0.396	0.179	0	HomC	WIF1
SPTSSB	0	0.465089122	0.336	0.132	0	HomC	SPTSSB
S100B	0	0.451177242	0.974	0.913	0	HomC	S100B
COL9A1	0	0.41998268	0.402	0.173	0	HomC	COL9A1
CYTL1	0	0.418704126	0.963	0.866	0	HomC	CYTL1
NDRG2	0	0.41650569	0.825	0.62	0	HomC	NDRG2
COL11A2	0	0.391436335	0.891	0.689	0	HomC	COL11A2
C2orf82	0	0.390273122	0.984	0.931	0	HomC	C2orf82
LGI4	0	0.376332707	0.377	0.157	0	HomC	LGI4
CD63	0	-0.38438878	0.999	0.997	0	HomC	CD63
THY1	0	-0.41300382	0.078	0.297	0	HomC	THY1
FAP	0	-0.47739223	0.141	0.371	0	HomC	FAP
COL15A1	0	-0.56252816	0.207	0.433	0	HomC	COL15A1
S100A6	0	-0.63463644	1	0.999	0	HomC	S100A6
LUM	0	-0.68804466	0.998	1	0	HomC	LUM
SMOC1	0	-0.6969477	0.315	0.554	0	HomC	SMOC1
ABI3BP	0	-0.98750661	0.31	0.561	0	HomC	ABI3BP
DPT	0	-1.22632005	0.215	0.438	0	HomC	DPT
FN1	0	-1.23507215	0.999	0.999	0	HomC	FN1
TNC	0	-1.36295684	0.286	0.604	0	HomC	TNC
TGFBI	0	-1.47997456	0.182	0.478	0	HomC	TGFBI
ASPN	0	-1.65869405	0.479	0.664	0	HomC	ASPN
HTRA1	0	-1.9211366	0.761	0.851	0	HomC	HTRA1

CRTAC1	0	-1.96462781	0.643	0.799	0	HomC	CRTAC1
CRLF1	1.15E-307	-0.77288525	0.1	0.308	2.89E-303	HomC	CRLF1
MIR24-2	4.94E-305	0.600928446	0.817	0.633	1.24E-300	HomC	MIR24-2
CNN2	2.77E-304	0.349454658	0.479	0.256	6.98E-300	HomC	CNN2
ITM2A	3.25E-304	0.490018271	0.823	0.644	8.18E-300	HomC	ITM2A
GPC6	4.10E-299	0.404428089	0.849	0.691	1.03E-294	HomC	GPC6
STC2	6.28E-299	0.59421962	0.605	0.364	1.58E-294	HomC	STC2
CHAD	6.01E-298	0.326378063	0.967	0.825	1.51E-293	HomC	CHAD
ITM2C	4.64E-296	0.40305703	0.974	0.928	1.17E-291	HomC	ITM2C
CNTFR	3.59E-294	0.256892086	0.296	0.111	9.04E-290	HomC	CNTFR
COL1A2	5.48E-292	-1.35431058	0.378	0.583	1.38E-287	HomC	COL1A2
C11orf96	3.88E-288	0.602907067	0.615	0.421	9.77E-284	HomC	C11orf96
CHRDL2	1.33E-280	0.843085938	0.407	0.2	3.35E-276	HomC	CHRDL2
IDI1	5.55E-279	0.519840811	0.711	0.537	1.40E-274	HomC	IDI1
S100A4	1.49E-278	-1.50887207	0.511	0.662	3.75E-274	HomC	S100A4
NT5E	8.69E-277	-0.50610889	0.343	0.538	2.19E-272	HomC	NT5E
MDFI	6.36E-276	0.431787412	0.831	0.652	1.60E-271	HomC	MDFI
CDKN1A	3.07E-275	0.487163854	0.909	0.806	7.73E-271	HomC	CDKN1A
LDLR	1.96E-273	0.458248688	0.537	0.336	4.93E-269	HomC	LDLR
TRPV4	1.18E-271	0.400684735	0.828	0.649	2.97E-267	HomC	TRPV4
F5	5.52E-269	-0.27875733	0.038	0.212	1.39E-264	HomC	F5
FBXO2	2.57E-268	0.387665967	0.937	0.841	6.49E-264	HomC	FBXO2
COL6A3	2.74E-267	-0.92902332	0.448	0.621	6.91E-263	HomC	COL6A3
PLP2	5.37E-265	-0.44247093	0.848	0.895	1.35E-260	HomC	PLP2
CAPS	2.77E-263	-0.4971986	0.254	0.46	6.97E-259	HomC	CAPS
TNFAIP6	5.27E-260	-1.56617831	0.076	0.256	1.33E-255	HomC	TNFAIP6
PTGES	6.18E-259	-0.75632021	0.236	0.432	1.56E-254	HomC	PTGES
P4HA3	1.74E-258	-0.28730722	0.062	0.244	4.38E-254	HomC	P4HA3
SRSF5	4.88E-253	0.301112875	0.994	0.98	1.23E-248	HomC	SRSF5
SLC14A1	1.23E-252	0.410647759	0.578	0.35	3.10E-248	HomC	SLC14A1
TIMP1	1.67E-252	-0.86063542	0.996	0.995	4.21E-248	HomC	TIMP1
PHLDA1	2.12E-252	0.598177115	0.829	0.707	5.34E-248	HomC	PHLDA1
FXYD1	3.41E-244	0.446193754	0.835	0.706	8.60E-240	HomC	FXYD1
SRSF3	7.37E-244	0.328078335	0.986	0.953	1.86E-239	HomC	SRSF3
SDC2	2.26E-242	0.343997422	0.982	0.95	5.70E-238	HomC	SDC2
MST4	4.02E-242	0.398171741	0.709	0.524	1.01E-237	HomC	MST4
ITGB5	6.16E-240	-0.41235641	0.16	0.354	1.55E-235	HomC	ITGB5
SPINT2	9.56E-240	0.274704502	0.96	0.88	2.41E-235	HomC	SPINT2
NFATC1	2.03E-239	0.434682029	0.686	0.512	5.12E-235	HomC	NFATC1
S100A11	5.17E-237	-0.35835824	0.958	0.968	1.30E-232	HomC	S100A11
PLAUR	1.09E-235	-0.43176985	0.196	0.394	2.75E-231	HomC	PLAUR
CD151	1.20E-233	-0.4606458	0.802	0.856	3.02E-229	HomC	CD151
TAGLN2	2.97E-233	-0.48474243	0.734	0.82	7.47E-229	HomC	TAGLN2
TF	8.02E-233	0.568635548	0.669	0.473	2.02E-228	HomC	TF
PPP1R3C	1.46E-226	0.626551128	0.794	0.657	3.69E-222	HomC	PPP1R3C
CLU	2.76E-225	-0.71649099	1	1	6.95E-221	HomC	CLU
ATP5E	1.27E-220	-0.35025808	0.958	0.956	3.21E-216	HomC	ATP5E
COL3A1	2.42E-220	-1.56208363	0.733	0.802	6.11E-216	HomC	COL3A1
RPL28	5.98E-218	-0.25464317	0.999	0.999	1.51E-213	HomC	RPL28
CSRNP1	9.59E-218	0.357200449	0.813	0.666	2.42E-213	HomC	CSRNP1
OGN	4.90E-217	-0.77822724	0.767	0.834	1.24E-212	HomC	OGN
METTL7A	1.14E-216	0.377363776	0.648	0.457	2.88E-212	HomC	METTL7A
ANKH	8.57E-216	-0.50993978	0.675	0.769	2.16E-211	HomC	ANKH
THBS3	1.71E-215	-0.37550055	0.213	0.398	4.30E-211	HomC	THBS3
EIF4A2	1.74E-213	0.302022245	0.984	0.959	4.40E-209	HomC	EIF4A2
TNXB	4.47E-213	-0.61626344	0.194	0.375	1.13E-208	HomC	TNXB
DIO2	2.32E-212	-0.46897919	0.115	0.288	5.85E-208	HomC	DIO2
SETD5-AS1	1.59E-209	0.343880029	0.789	0.637	4.00E-205	HomC	SETD5-AS1
COL5A1	5.05E-209	-0.62771389	0.424	0.577	1.27E-204	HomC	COL5A1
COL6A1	5.13E-208	-0.80696997	0.817	0.849	1.29E-203	HomC	COL6A1

BHLHE40	5.36E-207	0.549745717	0.865	0.768	1.35E-202	HomC	BHLHE40
LTBP2	1.15E-205	-0.40814208	0.25	0.437	2.91E-201	HomC	LTBP2
PMP22	1.18E-205	-0.41291802	0.866	0.911	2.98E-201	HomC	PMP22
GREM1	2.40E-204	0.525763191	0.38	0.204	6.05E-200	HomC	GREM1
NBL1	4.33E-204	-0.4824654	0.06	0.212	1.09E-199	HomC	NBL1
JUND	5.80E-204	0.424247203	0.865	0.777	1.46E-199	HomC	JUND
MT-CYB	4.61E-203	-0.41857044	0.94	0.95	1.16E-198	HomC	MT-CYB
CHI3L2	1.14E-202	-1.61066867	0.864	0.891	2.88E-198	HomC	CHI3L2
CCNL1	6.17E-202	0.411586613	0.922	0.854	1.56E-197	HomC	CCNL1
SNHG8	1.73E-201	0.328225838	0.964	0.914	4.37E-197	HomC	SNHG8
AKR1C2	6.57E-200	-0.4786715	0.333	0.519	1.65E-195	HomC	AKR1C2
GJA1	1.96E-196	-0.31107789	0.152	0.326	4.95E-192	HomC	GJA1
MT-ATP6	1.08E-193	-0.42050314	0.944	0.952	2.73E-189	HomC	MT-ATP6
PPP1R15A	2.07E-193	0.557960791	0.827	0.716	5.20E-189	HomC	PPP1R15A
SMOC2	2.92E-193	0.396979051	0.96	0.882	7.36E-189	HomC	SMOC2
FOXA3	4.62E-193	0.337095036	0.555	0.373	1.16E-188	HomC	FOXA3
REXO2	2.37E-192	-0.32602427	0.833	0.884	5.96E-188	HomC	REXO2
CD68	7.66E-192	-0.32868485	0.307	0.48	1.93E-187	HomC	CD68
TPD52L1	1.70E-190	0.464609895	0.849	0.749	4.28E-186	HomC	TPD52L1
DDIT4	4.54E-190	0.775146004	0.634	0.476	1.14E-185	HomC	DDIT4
NTN1	1.88E-189	-0.25812013	0.078	0.233	4.74E-185	HomC	NTN1
FAM134B	2.76E-189	-0.38324983	0.338	0.508	6.95E-185	HomC	FAM134B
EIF5	1.24E-187	0.298879358	0.971	0.936	3.13E-183	HomC	EIF5
DDIT3	1.36E-185	0.404534755	0.834	0.706	3.42E-181	HomC	DDIT3
H3F3B	6.59E-185	0.312540002	1	0.999	1.66E-180	HomC	H3F3B
PDLIM7	2.82E-183	-0.29289749	0.199	0.373	7.10E-179	HomC	PDLIM7
HMGCS1	6.99E-183	0.55956864	0.52	0.355	1.76E-178	HomC	HMGCS1
MT-CO2	5.92E-180	-0.4093442	0.944	0.952	1.49E-175	HomC	MT-CO2
ITPRIP	1.48E-179	0.267048212	0.401	0.234	3.73E-175	HomC	ITPRIP
TPM4	4.49E-178	0.439091302	0.733	0.616	1.13E-173	HomC	TPM4
VCAM1	8.07E-178	-0.79270632	0.076	0.22	2.03E-173	HomC	VCAM1
DUSP14	9.63E-178	0.399795997	0.701	0.566	2.43E-173	HomC	DUSP14
GAS1	1.13E-175	-0.50033079	0.309	0.476	2.85E-171	HomC	GAS1
ANK3	2.78E-175	-0.34017183	0.228	0.405	7.01E-171	HomC	ANK3
COL6A2	3.51E-174	-0.70262429	0.884	0.889	8.85E-170	HomC	COL6A2
MT-CO3	1.49E-173	-0.41211779	0.948	0.953	3.76E-169	HomC	MT-CO3
RP11-983P16.4	4.52E-173	0.272843149	0.67	0.5	1.14E-168	HomC	RP11-983P16.4
ITM2B	1.23E-172	-0.26896352	0.998	0.999	3.11E-168	HomC	ITM2B
ADM	3.95E-172	0.410743316	0.608	0.432	9.96E-168	HomC	ADM
ECM1	5.94E-171	-0.31835949	0.058	0.193	1.50E-166	HomC	ECM1
TSPYL2	7.74E-171	0.311091949	0.62	0.458	1.95E-166	HomC	TSPYL2
PPP1R10	7.21E-170	0.306491651	0.694	0.542	1.82E-165	HomC	PPP1R10
CTA-29F11.1	8.02E-170	0.262047054	0.519	0.34	2.02E-165	HomC	CTA-29F11.1
HSD3B7	1.83E-169	-0.26116687	0.056	0.189	4.60E-165	HomC	HSD3B7
MRC2	3.62E-169	-0.34179278	0.431	0.588	9.12E-165	HomC	MRC2
SCIN	7.21E-169	0.284573599	0.629	0.46	1.82E-164	HomC	SCIN
MMP3	3.54E-168	0.331818614	0.678	0.507	8.91E-164	HomC	MMP3
LTBP3	1.14E-167	-0.35480181	0.423	0.572	2.88E-163	HomC	LTBP3
CYR61	4.49E-167	0.653022378	0.957	0.934	1.13E-162	HomC	CYR61
MEG3	1.63E-166	0.523890993	0.628	0.469	4.10E-162	HomC	MEG3
MXRA5	7.91E-166	-0.38637503	0.13	0.281	1.99E-161	HomC	MXRA5
S100A10	8.71E-166	-0.46526831	0.995	0.993	2.19E-161	HomC	S100A10
CLIC3	1.93E-165	-0.35274893	0.062	0.195	4.85E-161	HomC	CLIC3
TTLL7	4.82E-165	0.253285425	0.504	0.333	1.21E-160	HomC	TTLL7
CD83	7.32E-165	0.384487366	0.256	0.124	1.84E-160	HomC	CD83
SERTAD4-AS1	8.08E-160	0.359374132	0.732	0.613	2.03E-155	HomC	SERTAD4-AS1
INSIG1	3.78E-158	0.416889807	0.607	0.453	9.52E-154	HomC	INSIG1
RBP4	4.60E-158	0.322001534	0.805	0.663	1.16E-153	HomC	RBP4
CTH	7.69E-158	0.260272746	0.295	0.156	1.94E-153	HomC	CTH
ADAMTS6	8.24E-158	-0.42224605	0.309	0.463	2.08E-153	HomC	ADAMTS6

PRKCDBP	7.80E-156	-0.33412328	0.719	0.794	1.96E-151	HomC	PRKCDBP
CCND1	1.70E-153	-0.28527181	0.061	0.189	4.30E-149	HomC	CCND1
XBP1	3.18E-151	0.285350235	0.963	0.93	8.00E-147	HomC	XBP1
CD55	3.37E-151	-1.15659076	0.681	0.74	8.50E-147	HomC	CD55
TMEM100	2.94E-150	-0.25653721	0.098	0.236	7.40E-146	HomC	TMEM100
SOX9	1.53E-149	0.368907712	0.8	0.693	3.86E-145	HomC	SOX9
TREM1	3.58E-148	-0.33827726	0.02	0.121	9.01E-144	HomC	TREM1
ISLR	2.90E-147	-0.54626818	0.707	0.774	7.30E-143	HomC	ISLR
WSB1	3.53E-147	0.267845624	0.871	0.779	8.90E-143	HomC	WSB1
ADAMTS5	2.67E-146	-0.29572623	0.054	0.173	6.72E-142	HomC	ADAMTS5
ANGPTL2	1.07E-145	-0.30663626	0.852	0.923	2.71E-141	HomC	ANGPTL2
TM4SF1	3.17E-145	-0.28018316	0.524	0.672	7.98E-141	HomC	TM4SF1
CSRP1	4.09E-145	0.34115411	0.749	0.641	1.03E-140	HomC	CSRP1
GADD45A	1.78E-144	0.302639973	0.586	0.436	4.49E-140	HomC	GADD45A
NR1D1	3.34E-144	0.391600183	0.761	0.655	8.41E-140	HomC	NR1D1
IGFBP4	6.13E-144	-0.29745597	0.101	0.238	1.54E-139	HomC	IGFBP4
RABAC1	2.87E-143	-0.27747672	0.967	0.96	7.24E-139	HomC	RABAC1
SNAI2	1.13E-142	0.372128843	0.683	0.551	2.85E-138	HomC	SNAI2
STK38L	7.37E-140	0.329077928	0.764	0.644	1.86E-135	HomC	STK38L
GPX3	1.93E-137	0.392342549	0.991	0.988	4.87E-133	HomC	GPX3
SERPINE2	3.72E-137	-0.80386633	0.546	0.647	9.37E-133	HomC	SERPINE2
LDLRAD4	8.86E-137	0.318737913	0.696	0.581	2.23E-132	HomC	LDLRAD4
DUSP1	1.34E-136	0.402871323	0.837	0.749	3.39E-132	HomC	DUSP1
DKK1	1.73E-136	0.453492602	0.274	0.145	4.35E-132	HomC	DKK1
ARPC1B	2.34E-136	-0.35192359	0.545	0.653	5.90E-132	HomC	ARPC1B
CAPG	2.41E-135	-0.35304884	0.538	0.644	6.08E-131	HomC	CAPG
RAMP3	2.92E-135	0.26689421	0.355	0.213	7.35E-131	HomC	RAMP3
IFITM3	3.60E-135	-0.41312116	0.968	0.973	9.06E-131	HomC	IFITM3
KLF10	1.43E-134	0.331963994	0.69	0.555	3.61E-130	HomC	KLF10
POLR2L	1.87E-134	-0.30082182	0.861	0.893	4.71E-130	HomC	POLR2L
NRN1	5.56E-134	0.29485773	0.902	0.848	1.40E-129	HomC	NRN1
SERPINA1	8.83E-133	0.263873613	0.984	0.96	2.23E-128	HomC	SERPINA1
KLF4	1.23E-132	0.391431604	0.886	0.828	3.09E-128	HomC	KLF4
SERTAD1	1.59E-132	0.302211036	0.888	0.8	4.01E-128	HomC	SERTAD1
CD109	2.07E-132	-0.28373705	0.358	0.497	5.21E-128	HomC	CD109
TXN	4.72E-129	-0.30955923	0.862	0.89	1.19E-124	HomC	TXN
TIPARP	1.08E-127	0.313949658	0.672	0.538	2.73E-123	HomC	TIPARP
HLA-B	6.76E-127	0.256398091	0.991	0.973	1.70E-122	HomC	HLA-B
MT-ND4	8.70E-127	-0.31033653	0.95	0.955	2.19E-122	HomC	MT-ND4
IFRD1	3.32E-126	0.256718784	0.73	0.607	8.35E-122	HomC	IFRD1
HSPB6	9.27E-126	0.270483363	0.523	0.386	2.34E-121	HomC	HSPB6
ICAM1	1.17E-125	0.654770438	0.603	0.478	2.95E-121	HomC	ICAM1
PNRC1	1.63E-125	0.301510354	0.84	0.75	4.11E-121	HomC	PNRC1
MT-ND3	4.27E-125	-0.34658693	0.928	0.939	1.08E-120	HomC	MT-ND3
LECT1	7.53E-125	0.338392777	0.591	0.43	1.90E-120	HomC	LECT1
GADD45B	1.24E-124	0.504032024	0.95	0.908	3.13E-120	HomC	GADD45B
MT-ND2	3.53E-124	-0.28495796	0.946	0.952	8.90E-120	HomC	MT-ND2
CHAC1	1.75E-121	0.276291477	0.264	0.148	4.40E-117	HomC	CHAC1
AK1	2.38E-121	-0.36585603	0.859	0.866	6.00E-117	HomC	AK1
MSMO1	5.78E-121	0.388150593	0.473	0.343	1.46E-116	HomC	MSMO1
LMO4	3.76E-119	0.287876914	0.711	0.605	9.48E-115	HomC	LMO4
EMP3	8.18E-119	-0.40193103	0.926	0.926	2.06E-114	HomC	EMP3
FXYD5	1.26E-118	-0.27593078	0.946	0.944	3.17E-114	HomC	FXYD5
SSR3	3.89E-118	0.252089283	0.979	0.953	9.80E-114	HomC	SSR3
COMP	5.08E-118	-0.38919477	0.999	1	1.28E-113	HomC	COMP
TAGLN	5.11E-118	1.23929346	0.301	0.178	1.29E-113	HomC	TAGLN
TIMP2	2.98E-116	-0.42328985	0.684	0.748	7.51E-112	HomC	TIMP2
RHOB	7.45E-116	0.3318704	0.848	0.761	1.88E-111	HomC	RHOB
TMSB4X	3.25E-115	-0.4547164	0.738	0.793	8.20E-111	HomC	TMSB4X
SDC4	1.98E-114	0.419241769	0.672	0.561	4.99E-110	HomC	SDC4

IGFBP5	2.54E-114	-1.04190241	0.145	0.264	6.40E-110	HomC	IGFBP5
CNIH1	6.99E-114	-0.27643469	0.635	0.705	1.76E-109	HomC	CNIH1
SLC39A14	1.54E-113	-0.35573959	0.707	0.766	3.88E-109	HomC	SLC39A14
AEBP1	9.66E-113	-0.41697834	0.815	0.86	2.43E-108	HomC	AEBP1
TRPS1	2.86E-112	-0.27826442	0.479	0.595	7.20E-108	HomC	TRPS1
PRSS23	7.68E-112	-0.48364073	0.19	0.318	1.94E-107	HomC	PRSS23
SPP1	1.28E-110	-2.66988658	0.295	0.412	3.24E-106	HomC	SPP1
ID3	9.50E-109	0.390305747	0.79	0.689	2.39E-104	HomC	ID3
GALNT15	1.36E-107	-0.31540468	0.421	0.541	3.42E-103	HomC	GALNT15
TCF4	1.53E-107	-0.31133212	0.525	0.628	3.85E-103	HomC	TCF4
ELMSAN1	2.03E-106	0.259005481	0.385	0.264	5.11E-102	HomC	ELMSAN1
EDIL3	1.12E-105	0.29895996	0.811	0.748	2.82E-101	HomC	EDIL3
KLF2	5.70E-105	0.274412006	0.583	0.459	1.44E-100	HomC	KLF2
KLF6	2.16E-104	0.478646093	0.821	0.75	5.44E-100	HomC	KLF6
ID1	1.43E-103	0.342303813	0.765	0.666	3.60E-99	HomC	ID1
LTBP1	2.97E-103	-0.29155762	0.306	0.43	7.49E-99	HomC	LTBP1
PART1	5.32E-103	-0.41378623	0.36	0.474	1.34E-98	HomC	PART1
HES1	4.41E-102	0.40873884	0.588	0.464	1.11E-97	HomC	HES1
LMAN1	2.42E-100	-0.25277204	0.544	0.632	6.09E-96	HomC	LMAN1
TIMP4	3.17E-100	0.270497937	0.719	0.621	7.99E-96	HomC	TIMP4
MYADM	1.67E-99	0.312290425	0.9	0.856	4.21E-95	HomC	MYADM
DST	1.96E-98	-0.2565677	0.781	0.827	4.93E-94	HomC	DST
SRPX2	1.35E-97	-0.30090229	0.501	0.606	3.41E-93	HomC	SRPX2
CRIP1	4.39E-97	-0.35697271	0.281	0.403	1.11E-92	HomC	CRIP1
IFITM2	1.87E-96	-0.38316101	0.789	0.851	4.72E-92	HomC	IFITM2
FSTL1	3.55E-94	-0.42018352	0.629	0.682	8.95E-90	HomC	FSTL1
NEU1	1.05E-93	0.292566286	0.547	0.442	2.64E-89	HomC	NEU1
HERPUD1	5.13E-93	0.261476936	0.951	0.917	1.29E-88	HomC	HERPUD1
OSTC	1.31E-92	-0.2832726	0.843	0.845	3.30E-88	HomC	OSTC
SLC7A2	1.77E-92	-0.35020287	0.295	0.407	4.46E-88	HomC	SLC7A2
EFEMP1	1.15E-89	-0.45257106	0.53	0.59	2.89E-85	HomC	EFEMP1
PROCR	7.75E-89	-0.30944836	0.453	0.554	1.95E-84	HomC	PROCR
TPPP3	2.64E-88	-0.61421257	0.192	0.303	6.66E-84	HomC	TPPP3
FAM43A	3.30E-85	0.26654111	0.326	0.218	8.31E-81	HomC	FAM43A
UGP2	1.15E-84	-0.28488	0.859	0.881	2.90E-80	HomC	UGP2
CAPZB	9.97E-82	-0.2888863	0.592	0.662	2.51E-77	HomC	CAPZB
COL1A1	1.02E-81	-1.1742167	0.076	0.162	2.57E-77	HomC	COL1A1
SOCS3	3.13E-81	0.336947883	0.852	0.79	7.89E-77	HomC	SOCS3
SERTAD4	1.37E-80	0.277429327	0.517	0.419	3.46E-76	HomC	SERTAD4
PFKP	4.64E-79	-0.27405419	0.651	0.71	1.17E-74	HomC	PFKP
HBEGF	5.06E-78	0.28357847	0.355	0.251	1.27E-73	HomC	HBEGF
COL10A1	9.26E-77	-1.56597779	0.098	0.182	2.33E-72	HomC	COL10A1
GLRX	5.66E-74	-0.38210682	0.405	0.515	1.43E-69	HomC	GLRX
NNMT	3.70E-73	-0.31124256	0.956	0.964	9.33E-69	HomC	NNMT
PAPPA	2.71E-72	-0.28002598	0.062	0.14	6.84E-68	HomC	PAPPA
HSPB1	3.18E-71	0.366996308	0.966	0.939	8.02E-67	HomC	HSPB1
SH3BGRL3	5.42E-71	-0.36017861	0.976	0.964	1.37E-66	HomC	SH3BGRL3
MGST3	1.13E-68	-0.26598367	0.795	0.821	2.84E-64	HomC	MGST3
IBSP	2.55E-67	-2.42915302	0.104	0.182	6.43E-63	HomC	IBSP
AQP1	3.55E-67	-0.41017213	0.056	0.128	8.95E-63	HomC	AQP1
VCAN	4.61E-67	-0.35999993	0.201	0.302	1.16E-62	HomC	VCAN
ANXA4	1.91E-66	-0.2534379	0.505	0.591	4.81E-62	HomC	ANXA4
MT-CO1	3.97E-66	-0.26479651	0.945	0.949	1.00E-61	HomC	MT-CO1
MFGE8	1.32E-64	-0.37969781	0.94	0.946	3.33E-60	HomC	MFGE8
NOVA1	5.62E-63	-0.27225886	0.336	0.431	1.42E-58	HomC	NOVA1
DLX5	1.60E-62	0.253182892	0.558	0.462	4.03E-58	HomC	DLX5
7SK.2	2.99E-62	-0.3191282	0.093	0.171	7.52E-58	HomC	7SK.2
PRG4	1.48E-61	-2.78307781	0.333	0.409	3.72E-57	HomC	PRG4
CST3	2.36E-61	0.399645762	0.998	0.996	5.93E-57	HomC	CST3
DKK3	2.89E-60	-0.32446089	0.364	0.455	7.28E-56	HomC	DKK3

EMP1	9.80E-58	0.472497781	0.775	0.741	2.47E-53	HomC	EMP1
ANGPTL4	1.16E-57	-0.26208948	0.557	0.653	2.93E-53	HomC	ANGPTL4
AMTN	2.10E-56	-0.43184744	0.062	0.128	5.30E-52	HomC	AMTN
SAT1	3.18E-56	0.288052228	0.972	0.952	8.01E-52	HomC	SAT1
PCSK1N	1.81E-55	-0.32318635	0.185	0.274	4.55E-51	HomC	PCSK1N
COL12A1	8.74E-55	-0.27735864	0.309	0.402	2.20E-50	HomC	COL12A1
PPAP2B	3.34E-53	-0.26668511	0.174	0.257	8.42E-49	HomC	PPAP2B
TNFRSF11B	5.12E-53	-0.79380806	0.797	0.797	1.29E-48	HomC	TNFRSF11B
SLPI	3.22E-52	0.491521627	0.283	0.201	8.12E-48	HomC	SLPI
RGS16	8.82E-49	0.394751418	0.78	0.725	2.22E-44	HomC	RGS16
IGFBP6	1.64E-41	-0.35464508	0.679	0.712	4.12E-37	HomC	IGFBP6
COL5A2	4.60E-37	-0.30009047	0.634	0.669	1.16E-32	HomC	COL5A2
IER3	1.62E-34	0.348736943	0.886	0.863	4.07E-30	HomC	IER3
RND1	6.63E-30	0.282034062	0.248	0.19	1.67E-25	HomC	RND1
TPM1	3.66E-28	0.32863014	0.371	0.315	9.22E-24	HomC	TPM1
TPM2	7.81E-28	0.292861875	0.857	0.818	1.97E-23	HomC	TPM2
TIMP3	2.19E-27	-0.61516176	0.55	0.564	5.53E-23	HomC	TIMP3
C1R	4.12E-27	-0.35952411	0.658	0.681	1.04E-22	HomC	C1R
CCL2	4.90E-24	0.402559652	0.252	0.2	1.23E-19	HomC	CCL2
G0S2	5.69E-24	0.310306722	0.233	0.179	1.43E-19	HomC	G0S2
LGALS1	2.24E-23	-0.35764459	0.942	0.921	5.65E-19	HomC	LGALS1
STEAP4	8.54E-22	-0.27674211	0.076	0.113	2.15E-17	HomC	STEAP4
TUBA1A	9.39E-16	0.290542032	0.628	0.614	2.37E-11	HomC	TUBA1A
NFKBIA	3.54E-14	0.433129202	0.894	0.877	8.92E-10	HomC	NFKBIA
PCOLCE	2.43E-09	-0.27749481	0.847	0.823	6.12E-05	HomC	PCOLCE
CHI3L1	0.000759	-0.84950315	0.806	0.78	1	HomC	CHI3L1
IBSP.1	0	4.414224618	0.568	0.093	0	HTC	IBSP
COL10A1.1	0	3.540660144	0.669	0.075	0	HTC	COL10A1
SPP1.1	0	3.356003306	0.676	0.329	0	HTC	SPP1
FGFBP2	0	2.012433735	1	0.954	0	HTC	FGFBP2
C2orf40	0	1.665277369	1	0.999	0	HTC	C2orf40
TF.1	0	1.633676516	0.848	0.482	0	HTC	TF
PDPN	0	1.568383817	0.986	0.734	0	HTC	PDPN
C2orf82.1	0	1.558913081	1	0.939	0	HTC	C2orf82
APOD	0	1.55781555	0.956	0.729	0	HTC	APOD
CYTL1.1	0	1.480732307	0.98	0.882	0	HTC	CYTL1
TSPAN13	0	1.447480954	0.79	0.275	0	HTC	TSPAN13
CHAD.1	0	1.423975141	0.999	0.847	0	HTC	CHAD
IER2.1	0	1.387107787	0.984	0.852	0	HTC	IER2
RBP4.1	0	1.351079681	0.895	0.676	0	HTC	RBP4
LECT1.1	0	1.278673384	0.825	0.424	0	HTC	LECT1
CRYAB	0	1.23651566	0.959	0.802	0	HTC	CRYAB
MFGE8.1	0	1.234625263	0.994	0.937	0	HTC	MFGE8
MIA	0	1.195170247	1	0.954	0	HTC	MIA
PLAC9	0	1.159389108	0.994	0.968	0	HTC	PLAC9
AGR2	0	1.136501125	0.27	0.024	0	HTC	AGR2
SERPINA1.1	0	1.118401205	1	0.962	0	HTC	SERPINA1
S100A1	0	1.089986411	1	0.879	0	HTC	S100A1
SERPINI1	0	1.065030283	0.725	0.322	0	HTC	SERPINI1
SPINT2.1	0	1.061776253	0.997	0.889	0	HTC	SPINT2
STC2.1	0	1.010479521	0.713	0.393	0	HTC	STC2
FGFR1	0	1.003278566	0.908	0.683	0	HTC	FGFR1
SLC29A1	0	0.998046356	0.971	0.772	0	HTC	SLC29A1
RAMP1	0	0.989782289	0.653	0.204	0	HTC	RAMP1
MRPS6	0	0.979353359	0.922	0.653	0	HTC	MRPS6
CPE	0	0.961194403	0.696	0.312	0	HTC	CPE
JUNB.1	0	0.959128948	0.999	0.993	0	HTC	JUNB
PHOSPHO1	0	0.951247834	0.636	0.148	0	HTC	PHOSPHO1
FXYD1.1	0	0.912718759	0.933	0.716	0	HTC	FXYD1
MEF2C	0	0.904156685	0.751	0.393	0	HTC	MEF2C

S100B.1	0	0.894336338	0.999	0.92	0	HTC	S100B
SCRG1.1	0	0.881561473	1	0.993	0	HTC	SCRG1
EGR1.1	0	0.869470499	0.987	0.904	0	HTC	EGR1
DKK1.1	0	0.798452482	0.471	0.139	0	HTC	DKK1
IGFBP6.1	0	0.789836678	0.895	0.671	0	HTC	IGFBP6
FXVD6	0	0.787975478	0.975	0.858	0	HTC	FXVD6
MFI2	0	0.781240575	0.851	0.527	0	HTC	MFI2
BHLHE41	0	0.765965045	0.86	0.562	0	HTC	BHLHE41
MDFI.1	0	0.764927484	0.929	0.671	0	HTC	MDFI
SSR4	0	0.755490179	0.996	0.965	0	HTC	SSR4
EGR3	0	0.743810527	0.519	0.215	0	HTC	EGR3
ACAN.1	0	0.73661093	1	0.963	0	HTC	ACAN
DUSP1.1	0	0.721137732	0.922	0.753	0	HTC	DUSP1
TSPO	0	0.715286993	0.997	0.944	0	HTC	TSPO
CYSTM1	0	0.704827761	0.877	0.617	0	HTC	CYSTM1
NUCB2	0	0.69243916	0.986	0.893	0	HTC	NUCB2
IVNS1ABP	0	0.677264311	0.913	0.721	0	HTC	IVNS1ABP
SLC14A1.1	0	0.671145447	0.718	0.372	0	HTC	SLC14A1
ITM2C.1	0	0.663211625	0.995	0.933	0	HTC	ITM2C
AC005152.3	0	0.655125399	0.514	0.192	0	HTC	AC005152.3
FOS.1	0	0.651721879	0.998	0.977	0	HTC	FOS
FOXA3.1	0	0.627705116	0.711	0.383	0	HTC	FOXA3
CD59	0	0.61527741	0.99	0.936	0	HTC	CD59
TTLL7.1	0	0.606235706	0.679	0.338	0	HTC	TTLL7
TMEM59	0	0.604347835	0.998	0.982	0	HTC	TMEM59
F13A1	0	0.581652549	0.372	0.069	0	HTC	F13A1
TSPAN6	0	0.572338082	0.896	0.696	0	HTC	TSPAN6
AP3S1	0	0.566188487	0.965	0.853	0	HTC	AP3S1
NDUFA1	0	0.520717131	0.982	0.935	0	HTC	NDUFA1
AQPEP	0	0.511380402	0.49	0.15	0	HTC	AQPEP
FXVD2	0	0.501175456	0.459	0.143	0	HTC	FXVD2
PEBP1	0	0.469021429	0.989	0.958	0	HTC	PEBP1
SERF2	0	0.451258712	1	0.998	0	HTC	SERF2
SCUBE1	0	0.427570316	0.412	0.123	0	HTC	SCUBE1
SERPINA6	0	0.427007372	0.299	0.064	0	HTC	SERPINA6
MYOC	0	0.41942467	0.23	0.046	0	HTC	MYOC
ZNF385B	0	0.406224053	0.488	0.203	0	HTC	ZNF385B
SPOCK3	0	0.38784657	0.209	0.028	0	HTC	SPOCK3
PLEKHB1	0	0.360689567	0.468	0.186	0	HTC	PLEKHB1
RP11-536O18.2	0	0.296216227	0.156	0.01	0	HTC	RP11-536O18.2
RPL41	0	-0.27685017	1	1	0	HTC	RPL41
RPL15	0	-0.34232635	1	1	0	HTC	RPL15
RPL10A	0	-0.3811943	1	0.999	0	HTC	RPL10A
EEF1A1	0	-0.38829333	1	1	0	HTC	EEF1A1
RPL3	0	-0.39078759	0.999	1	0	HTC	RPL3
RPL27A	0	-0.39143128	0.999	0.999	0	HTC	RPL27A
RPS19	0	-0.39772128	1	1	0	HTC	RPS19
RPL18A	0	-0.41138803	0.999	1	0	HTC	RPL18A
RPL7	0	-0.4121094	0.999	1	0	HTC	RPL7
RPL39	0	-0.43989418	0.998	0.999	0	HTC	RPL39
RPS24	0	-0.4732019	0.999	0.999	0	HTC	RPS24
RPLP0	0	-0.47380671	0.999	1	0	HTC	RPLP0
RPL10	0	-0.4982506	1	1	0	HTC	RPL10
EIF3E	0	-0.55358393	0.953	0.978	0	HTC	EIF3E
RPS2	0	-0.60547598	0.999	1	0	HTC	RPS2
COL12A1.1	0	-0.68892046	0.076	0.421	0	HTC	COL12A1
FSTL1.1	0	-0.78118907	0.464	0.698	0	HTC	FSTL1
PART1.1	0	-0.84152911	0.14	0.487	0	HTC	PART1
IFITM3.1	0	-0.86284987	0.944	0.976	0	HTC	IFITM3
ARID5B	0	-0.88341082	0.363	0.691	0	HTC	ARID5B

C1R.1	0	-0.91295812	0.382	0.72	0	HTC	C1R
COL6A2.1	0	-1.04630201	0.841	0.895	0	HTC	COL6A2
AEBP1.1	0	-1.1070272	0.665	0.875	0	HTC	AEBP1
EFEMP1.1	0	-1.1725746	0.13	0.642	0	HTC	EFEMP1
COL6A1.1	0	-1.22442385	0.722	0.858	0	HTC	COL6A1
INHBA	0	-1.27801554	0.466	0.735	0	HTC	INHBA
NNMT.1	0	-1.43560854	0.864	0.977	0	HTC	NNMT
PLA2G2A.1	0	-1.62907597	0.962	0.994	0	HTC	PLA2G2A
TNC.1	0	-1.89689588	0.131	0.567	0	HTC	TNC
CLU.1	0	-1.96344111	1	1	0	HTC	CLU
OGN.1	0	-2.08981523	0.51	0.862	0	HTC	OGN
CRTAC1.1	0	-2.47953222	0.518	0.789	0	HTC	CRTAC1
ASPN.1	0	-2.78641944	0.294	0.658	0	HTC	ASPN
CHI3L1.1	0	-2.85209707	0.594	0.819	0	HTC	CHI3L1
COL3A1.1	0	-3.27021716	0.622	0.806	0	HTC	COL3A1
CHI3L2.1	0	-3.47527505	0.652	0.919	0	HTC	CHI3L2
TGFBI.1	1.07E-307	-1.6725956	0.119	0.431	2.69E-303	HTC	TGFBI
NGFRAP1	3.84E-307	0.522406834	0.975	0.889	9.68E-303	HTC	NGFRAP1
CILP2	2.14E-306	-1.21453434	0.623	0.788	5.38E-302	HTC	CILP2
FBXO2.1	1.05E-305	0.525759117	0.972	0.854	2.65E-301	HTC	FBXO2
RPL21	1.60E-304	-0.32472215	0.999	1	4.04E-300	HTC	RPL21
PRDX4	4.93E-304	0.545761504	0.977	0.913	1.24E-299	HTC	PRDX4
ABI3BP.1	1.92E-302	-1.19302286	0.226	0.526	4.82E-298	HTC	ABI3BP
FAP.1	3.69E-301	-0.56715593	0.032	0.344	9.31E-297	HTC	FAP
FCGRT	4.76E-299	0.563799513	0.914	0.778	1.20E-294	HTC	FCGRT
CRISPLD1.1	2.85E-297	1.037467917	0.738	0.471	7.17E-293	HTC	CRISPLD1
CTHRC1	3.05E-296	-1.16021064	0.306	0.591	7.69E-292	HTC	CTHRC1
STK38L.1	4.52E-295	0.61005174	0.869	0.65	1.14E-290	HTC	STK38L
SOD2	7.94E-294	-1.34855518	0.776	0.87	2.00E-289	HTC	SOD2
NTAN1	1.88E-292	0.52820178	0.634	0.367	4.73E-288	HTC	NTAN1
NDRG2.1	2.86E-292	0.593848291	0.875	0.652	7.21E-288	HTC	NDRG2
RPS6	2.86E-291	-0.30133721	1	1	7.20E-287	HTC	RPS6
SCIN.1	6.96E-290	0.501881619	0.749	0.474	1.75E-285	HTC	SCIN
TNFRSF11B.1	1.36E-289	0.836240267	0.957	0.771	3.43E-285	HTC	TNFRSF11B
NUPR1L	3.60E-284	0.376121617	0.465	0.2	9.08E-280	HTC	NUPR1L
CALM1	1.62E-282	0.582720371	0.983	0.939	4.09E-278	HTC	CALM1
RPL14	2.61E-278	-0.3386124	0.997	0.999	6.57E-274	HTC	RPL14
GLIPR1	9.11E-278	0.553735379	0.85	0.616	2.29E-273	HTC	GLIPR1
COL15A1.1	2.05E-277	-0.71657948	0.104	0.406	5.16E-273	HTC	COL15A1
RPL28.1	4.55E-276	-0.39787476	0.999	0.999	1.15E-271	HTC	RPL28
BGN	8.52E-275	-0.49190245	0.999	0.999	2.15E-270	HTC	BGN
RPL6	1.62E-274	-0.30201415	1	1	4.07E-270	HTC	RPL6
CLEC3A.1	2.30E-273	0.56731954	0.957	0.716	5.80E-269	HTC	CLEC3A
LBH	3.64E-270	-0.65149374	0.219	0.53	9.17E-266	HTC	LBH
RPS5	3.50E-268	-0.33759206	0.998	0.999	8.81E-264	HTC	RPS5
RCAN1	1.77E-267	-1.06495633	0.468	0.714	4.46E-263	HTC	RCAN1
S100A13	3.75E-267	0.44242976	0.997	0.973	9.45E-263	HTC	S100A13
LTBP2.1	7.97E-266	-0.60678914	0.123	0.421	2.01E-261	HTC	LTBP2
GAPDH	1.43E-265	-0.44323525	1	1	3.61E-261	HTC	GAPDH
GNB2L1	4.65E-265	-0.34059747	0.996	0.998	1.17E-260	HTC	GNB2L1
GALNT15.1	5.91E-265	-0.66147522	0.255	0.545	1.49E-260	HTC	GALNT15
GSN	1.14E-263	0.428615063	0.981	0.928	2.87E-259	HTC	GSN
FIBIN	5.88E-263	-0.92541806	0.755	0.857	1.48E-258	HTC	FIBIN
PCOLCE.1	2.61E-262	-0.84190033	0.69	0.853	6.58E-258	HTC	PCOLCE
SLC44A2	2.87E-262	0.505614905	0.676	0.426	7.24E-258	HTC	SLC44A2
COL5A1.1	2.63E-261	-0.87816351	0.31	0.566	6.61E-257	HTC	COL5A1
ACTG1.1	2.43E-257	0.552908566	1	0.994	6.12E-253	HTC	ACTG1
RASD1.1	1.61E-256	0.912839444	0.826	0.611	4.06E-252	HTC	RASD1
COL1A2.1	2.84E-256	-2.35016525	0.318	0.553	7.15E-252	HTC	COL1A2
ID3.1	4.12E-254	-0.84509122	0.488	0.756	1.04E-249	HTC	ID3

EXTL1	1.44E-250	0.33446891	0.458	0.201	3.64E-246	HTC	EXTL1
RPL22	2.13E-250	-0.32457558	0.997	0.998	5.37E-246	HTC	RPL22
RPL13	1.86E-245	-0.30646965	1	1	4.68E-241	HTC	RPL13
LDLRAD4.1	8.76E-245	0.543205677	0.802	0.587	2.21E-240	HTC	LDLRAD4
RPS15A	8.19E-244	-0.30913853	0.997	0.999	2.06E-239	HTC	RPS15A
GCHFR	2.88E-241	0.321811157	0.46	0.211	7.27E-237	HTC	GCHFR
RPL13A	3.12E-239	-0.27752919	1	1	7.87E-235	HTC	RPL13A
PKM	4.37E-239	0.426401942	0.996	0.989	1.10E-234	HTC	PKM
THBS3.1	5.42E-239	-0.4850544	0.1	0.381	1.37E-234	HTC	THBS3
RPS3	1.45E-238	-0.30827959	1	1	3.64E-234	HTC	RPS3
PPP3CA	4.68E-236	-0.56928968	0.638	0.802	1.18E-231	HTC	PPP3CA
DPT.1	6.00E-235	-1.33941778	0.136	0.407	1.51E-230	HTC	DPT
CP	1.05E-234	0.351610216	0.833	0.568	2.65E-230	HTC	CP
VIM	1.51E-234	-0.47686268	1	1	3.80E-230	HTC	VIM
ENO1	2.69E-233	-0.46933648	0.991	0.997	6.77E-229	HTC	ENO1
WBSCR22	5.48E-233	0.439711258	0.788	0.596	1.38E-228	HTC	WBSCR22
RANBP3L	6.66E-232	0.25150983	0.256	0.079	1.68E-227	HTC	RANBP3L
FRZB.1	1.10E-230	0.814515698	0.949	0.798	2.77E-226	HTC	FRZB
CCDC88A	1.45E-228	0.528844369	0.65	0.419	3.66E-224	HTC	CCDC88A
RPS23	4.05E-227	-0.30217827	0.999	1	1.02E-222	HTC	RPS23
DAP	1.22E-226	0.421316878	0.861	0.677	3.07E-222	HTC	DAP
MAFB	4.68E-226	-0.64510421	0.065	0.33	1.18E-221	HTC	MAFB
RPS27	1.10E-225	-0.26886934	1	1	2.77E-221	HTC	RPS27
ITM2B.1	5.46E-224	0.333376379	1	0.999	1.37E-219	HTC	ITM2B
ACTB.1	1.40E-221	0.413055279	0.999	0.997	3.53E-217	HTC	ACTB
EIF1	8.77E-221	-0.3245591	1	1	2.21E-216	HTC	EIF1
EEF2	8.71E-220	-0.37887984	0.989	0.995	2.20E-215	HTC	EEF2
COL5A2.1	1.06E-219	-0.81580059	0.508	0.682	2.68E-215	HTC	COL5A2
EGR2	2.28E-218	0.519453702	0.496	0.262	5.74E-214	HTC	EGR2
GLDN	4.95E-217	0.366064442	0.515	0.272	1.25E-212	HTC	GLDN
SOD3	6.46E-217	0.668269582	0.981	0.92	1.63E-212	HTC	SOD3
FTL	8.66E-217	0.271121271	1	1	2.18E-212	HTC	FTL
CD63.1	1.45E-216	0.371688194	1	0.998	3.65E-212	HTC	CD63
DAB2	1.33E-215	-0.54348524	0.375	0.618	3.35E-211	HTC	DAB2
RPL32	8.69E-215	-0.26869646	0.998	1	2.19E-210	HTC	RPL32
THY1.1	1.10E-212	-0.70570963	0.024	0.263	2.76E-208	HTC	THY1
CD99	6.71E-212	0.451000553	0.991	0.971	1.69E-207	HTC	CD99
LRPAP1	6.20E-211	0.476794091	0.903	0.8	1.56E-206	HTC	LRPAP1
AK1.1	1.17E-210	0.418214089	0.971	0.847	2.94E-206	HTC	AK1
GALNT18	2.29E-208	-0.45016502	0.358	0.603	5.76E-204	HTC	GALNT18
RPL29	3.03E-208	-0.30623614	0.997	0.998	7.64E-204	HTC	RPL29
FAM134B.1	4.90E-205	-0.53355324	0.241	0.491	1.24E-200	HTC	FAM134B
HLA-A	1.45E-204	0.42172164	0.996	0.99	3.65E-200	HTC	HLA-A
BANK1	1.09E-203	0.343833623	0.372	0.169	2.74E-199	HTC	BANK1
MST4.1	3.46E-203	0.400978277	0.785	0.547	8.73E-199	HTC	MST4
RPS29	7.16E-203	-0.28491831	0.997	0.999	1.80E-198	HTC	RPS29
RPS18	6.01E-200	-0.25440505	1	1	1.51E-195	HTC	RPS18
GPX3.1	6.13E-200	0.30561212	1	0.988	1.54E-195	HTC	GPX3
A2M	6.92E-200	0.496750186	0.622	0.376	1.74E-195	HTC	A2M
FTH1	2.18E-198	-0.40303375	1	1	5.50E-194	HTC	FTH1
RPL12	4.14E-198	-0.31687542	0.999	0.999	1.04E-193	HTC	RPL12
TNFSF11	1.14E-197	0.383453842	0.235	0.078	2.88E-193	HTC	TNFSF11
ADRB2	2.20E-196	0.511709238	0.607	0.378	5.54E-192	HTC	ADRB2
TMED10	4.83E-196	0.392636998	0.969	0.907	1.22E-191	HTC	TMED10
SERPINA5.1	7.12E-196	0.572392748	0.939	0.83	1.79E-191	HTC	SERPINA5
SMOC1.1	2.90E-195	-0.72690073	0.292	0.511	7.31E-191	HTC	SMOC1
GAS1.1	5.23E-194	-0.71057847	0.207	0.46	1.32E-189	HTC	GAS1
VKORC1	1.13E-193	0.347917669	0.995	0.959	2.86E-189	HTC	VKORC1
NEBL	1.78E-192	0.395577789	0.7	0.484	4.48E-188	HTC	NEBL
PDE4DIP	8.49E-191	0.41490845	0.838	0.661	2.14E-186	HTC	PDE4DIP

CTGF	9.94E-189	-0.68340173	0.973	0.983	2.50E-184	HTC	CTGF
PABPC1	6.93E-188	-0.3969305	0.874	0.924	1.74E-183	HTC	PABPC1
MXRA5.1	7.22E-186	-0.4515296	0.041	0.266	1.82E-181	HTC	MXRA5
NFKBIZ	7.28E-186	-0.69928933	0.317	0.55	1.84E-181	HTC	NFKBIZ
KCNK5	1.04E-184	0.256381372	0.364	0.158	2.62E-180	HTC	KCNK5
SGK1	1.33E-184	0.6002938	0.667	0.455	3.36E-180	HTC	SGK1
H1FO	1.24E-182	0.587584161	0.671	0.463	3.14E-178	HTC	H1FO
NFKBIA.1	4.09E-182	-1.0299382	0.817	0.893	1.03E-177	HTC	NFKBIA
TBCB	6.63E-182	0.440552403	0.833	0.692	1.67E-177	HTC	TBCB
CHID1	1.05E-181	0.399028629	0.828	0.674	2.65E-177	HTC	CHID1
GLT8D2	1.67E-180	-0.39045595	0.321	0.562	4.20E-176	HTC	GLT8D2
CD320	7.99E-180	0.373124377	0.724	0.522	2.01E-175	HTC	CD320
CHRDL2.1	6.92E-179	0.766067686	0.455	0.232	1.74E-174	HTC	CHRDL2
CST3.1	8.17E-179	0.270772492	1	0.996	2.06E-174	HTC	CST3
BTG2.1	5.13E-177	0.620909582	0.849	0.709	1.29E-172	HTC	BTG2
CRIP1.1	2.47E-176	-0.5905109	0.164	0.398	6.23E-172	HTC	CRIP1
HCFC1R1	9.11E-176	-0.51572688	0.481	0.659	2.30E-171	HTC	HCFC1R1
EFHD1	1.31E-175	0.289418414	0.42	0.212	3.30E-171	HTC	EFHD1
RPL4	1.66E-175	-0.29561813	0.997	0.999	4.19E-171	HTC	RPL4
C10orf54	2.36E-175	-0.42855925	0.296	0.529	5.94E-171	HTC	C10orf54
HEXB	3.39E-175	0.444159004	0.815	0.681	8.54E-171	HTC	HEXB
IFITM2.1	7.04E-175	-0.70310556	0.74	0.847	1.77E-170	HTC	IFITM2
GALE	7.57E-175	0.350682617	0.665	0.453	1.91E-170	HTC	GALE
RHOC	2.41E-172	0.358541683	0.951	0.864	6.07E-168	HTC	RHOC
COMP.1	2.71E-171	-0.76617657	0.999	1	6.82E-167	HTC	COMP
CTA-29F11.1.1	4.47E-171	0.389117092	0.593	0.363	1.13E-166	HTC	CTA-29F11.1
PLD3	1.45E-170	0.386883733	0.953	0.884	3.66E-166	HTC	PLD3
RPS12	6.45E-170	-0.30717781	1	1	1.62E-165	HTC	RPS12
TNXB.1	1.25E-169	-0.63703639	0.123	0.352	3.15E-165	HTC	TNXB
FKBP2	2.21E-169	0.440159859	0.927	0.825	5.56E-165	HTC	FKBP2
CNPY2	2.01E-168	0.383134218	0.922	0.813	5.07E-164	HTC	CNPY2
ATRAID	3.22E-168	0.388664476	0.951	0.898	8.12E-164	HTC	ATRAID
BHLHE40.1	2.67E-166	0.485587712	0.893	0.782	6.73E-162	HTC	BHLHE40
PRDX5	1.08E-165	0.331127433	0.948	0.862	2.71E-161	HTC	PRDX5
MAP2K6	1.81E-165	0.436782217	0.557	0.353	4.56E-161	HTC	MAP2K6
C10orf105	1.04E-164	-0.28310449	0.027	0.227	2.62E-160	HTC	C10orf105
PIM1	6.52E-164	0.510197241	0.501	0.296	1.64E-159	HTC	PIM1
INSIG1.1	7.32E-164	0.554150384	0.674	0.472	1.84E-159	HTC	INSIG1
RPS28	8.58E-164	-0.25035094	0.999	0.999	2.16E-159	HTC	RPS28
PMP22.1	1.64E-163	-0.50942334	0.859	0.903	4.14E-159	HTC	PMP22
SCARA3	1.94E-163	-0.49237315	0.409	0.614	4.88E-159	HTC	SCARA3
ERP29	2.48E-163	0.358330737	0.895	0.793	6.25E-159	HTC	ERP29
FURIN	7.32E-163	0.332999779	0.508	0.304	1.84E-158	HTC	FURIN
RHOB.1	7.32E-163	0.535721037	0.9	0.769	1.85E-158	HTC	RHOB
GBP2	1.28E-162	-0.4950973	0.274	0.504	3.22E-158	HTC	GBP2
NR4A1.1	1.32E-162	0.535948568	0.762	0.566	3.32E-158	HTC	NR4A1
DIO2.1	1.57E-162	-0.50369607	0.056	0.264	3.96E-158	HTC	DIO2
PRPSAP1	9.17E-162	0.316983872	0.611	0.394	2.31E-157	HTC	PRPSAP1
CST6	1.07E-161	0.487703757	0.332	0.156	2.71E-157	HTC	CST6
MIR497HG	3.64E-161	0.334725538	0.621	0.4	9.17E-157	HTC	MIR497HG
RHOD	7.75E-161	0.324027121	0.575	0.37	1.95E-156	HTC	RHOD
NAP1L1	1.81E-159	-0.33639026	0.969	0.976	4.57E-155	HTC	NAP1L1
SKP1	1.45E-157	0.261781065	0.996	0.988	3.66E-153	HTC	SKP1
SBSPON	4.82E-157	-0.55049347	0.278	0.494	1.21E-152	HTC	SBSPON
FXYD5.1	5.34E-157	0.370281331	0.98	0.939	1.34E-152	HTC	FXYD5
RCN3	2.39E-156	0.407122779	0.942	0.86	6.03E-152	HTC	RCN3
TMEM147	2.89E-156	0.355583687	0.862	0.736	7.27E-152	HTC	TMEM147
PPAP2B.1	4.84E-156	-0.44783255	0.056	0.259	1.22E-151	HTC	PPAP2B
SWAP70	1.88E-154	0.322234221	0.536	0.332	4.75E-150	HTC	SWAP70
TPT1	5.64E-154	-0.31396318	0.999	1	1.42E-149	HTC	TPT1

CUTA	3.85E-153	0.336575276	0.915	0.802	9.71E-149	HTC	CUTA
TSPAN3	3.30E-152	0.348217931	0.792	0.631	8.32E-148	HTC	TSPAN3
BTG1	9.51E-152	-0.72841014	0.897	0.937	2.40E-147	HTC	BTG1
EIF4A1	1.92E-150	-0.44401472	0.934	0.962	4.85E-146	HTC	EIF4A1
SLC22A17	5.21E-147	0.337937015	0.711	0.525	1.31E-142	HTC	SLC22A17
MYL12A	3.04E-146	0.349819629	0.925	0.825	7.67E-142	HTC	MYL12A
SEMA3A	5.65E-146	-0.35571961	0.085	0.29	1.42E-141	HTC	SEMA3A
OSMR	8.02E-145	-0.49812989	0.429	0.624	2.02E-140	HTC	OSMR
VASP	9.53E-145	0.268086841	0.487	0.287	2.40E-140	HTC	VASP
STK17A	1.79E-144	0.380809915	0.606	0.414	4.50E-140	HTC	STK17A
CNN3	3.56E-144	-0.47709086	0.785	0.879	8.97E-140	HTC	CNN3
DLC1	1.93E-143	-0.30975544	0.137	0.348	4.86E-139	HTC	DLC1
CDON	3.53E-143	-0.39645435	0.266	0.477	8.89E-139	HTC	CDON
WIF1.1	1.56E-142	0.491679668	0.411	0.219	3.92E-138	HTC	WIF1
COX6C	4.17E-142	0.315210651	0.972	0.933	1.05E-137	HTC	COX6C
SLC39A14.1	1.38E-141	-0.5077181	0.663	0.762	3.47E-137	HTC	SLC39A14
SOX4	3.12E-141	-0.60555025	0.336	0.552	7.86E-137	HTC	SOX4
UXS1	2.54E-140	0.313688248	0.617	0.43	6.40E-136	HTC	UXS1
HSPA8	5.45E-140	-0.45862128	0.873	0.921	1.37E-135	HTC	HSPA8
SEC11C	4.04E-137	0.345082738	0.607	0.426	1.02E-132	HTC	SEC11C
SLC20A1	7.03E-137	0.453194211	0.761	0.605	1.77E-132	HTC	SLC20A1
TGFB1	2.32E-136	0.317831989	0.647	0.461	5.84E-132	HTC	TGFB1
MT1M	2.70E-136	-0.61693863	0.717	0.836	6.79E-132	HTC	MT1M
ERRF1	4.45E-136	-0.78015746	0.687	0.8	1.12E-131	HTC	ERRF1
BSG	7.58E-136	0.304614219	0.953	0.876	1.91E-131	HTC	BSG
SMDT1	1.35E-133	0.316555839	0.802	0.651	3.41E-129	HTC	SMDT1
TXN.1	1.82E-133	-0.44896652	0.846	0.887	4.59E-129	HTC	TXN
NPC2	2.59E-133	0.314982168	0.985	0.943	6.54E-129	HTC	NPC2
IFI6	1.11E-132	0.265544649	0.655	0.466	2.78E-128	HTC	IFI6
HSPB2	2.43E-131	0.256758256	0.409	0.229	6.12E-127	HTC	HSPB2
FAM46A	3.03E-131	0.425210878	0.849	0.718	7.63E-127	HTC	FAM46A
WWP2.1	3.18E-131	0.365880757	0.942	0.821	8.02E-127	HTC	WWP2
C1S	6.21E-131	-0.46464637	0.772	0.869	1.56E-126	HTC	C1S
GNPTG	9.32E-131	0.285772089	0.552	0.367	2.35E-126	HTC	GNPTG
GLI3	4.14E-130	-0.38890242	0.278	0.473	1.04E-125	HTC	GLI3
CILP	6.04E-130	0.644943512	0.964	0.903	1.52E-125	HTC	CILP
PTGES.1	1.68E-127	-0.73133853	0.215	0.397	4.23E-123	HTC	PTGES
EMC10	3.73E-127	0.332034261	0.695	0.53	9.39E-123	HTC	EMC10
HES1.1	4.04E-127	0.559723401	0.656	0.478	1.02E-122	HTC	HES1
SLC25A6	5.84E-127	-0.31190841	0.944	0.956	1.47E-122	HTC	SLC25A6
LOXL2	1.03E-126	-0.37631081	0.106	0.293	2.59E-122	HTC	LOXL2
FGF1	6.10E-126	0.339440864	0.624	0.446	1.54E-121	HTC	FGF1
TCF4.1	7.47E-126	-0.4234391	0.458	0.619	1.88E-121	HTC	TCF4
PMEPA1	3.28E-125	0.408194967	0.862	0.75	8.27E-121	HTC	PMEPA1
ITGB1	3.75E-125	-0.386434	0.709	0.804	9.45E-121	HTC	ITGB1
PRELP	5.36E-125	0.464958145	0.999	0.997	1.35E-120	HTC	PRELP
TNNT3	8.14E-124	-0.57531371	0.167	0.364	2.05E-119	HTC	TNNT3
YWHAQ	1.34E-123	-0.34769881	0.834	0.884	3.38E-119	HTC	YWHAQ
RPS4X	1.52E-123	-0.28211536	1	1	3.84E-119	HTC	RPS4X
FRMD4B	2.38E-123	-0.33957159	0.319	0.51	5.99E-119	HTC	FRMD4B
LRRFIP1	3.06E-123	0.33194058	0.874	0.741	7.70E-119	HTC	LRRFIP1
TPPP3.1	4.65E-123	-0.87652329	0.112	0.295	1.17E-118	HTC	TPPP3
ADK	2.20E-122	0.278886925	0.589	0.407	5.53E-118	HTC	ADK
HSPB1.1	3.17E-122	0.475792892	0.973	0.943	7.98E-118	HTC	HSPB1
SSFA2	4.84E-121	0.250345041	0.362	0.198	1.22E-116	HTC	SSFA2
ACKR3	6.29E-121	-0.34193543	0.081	0.259	1.58E-116	HTC	ACKR3
CYB5D2	6.52E-120	0.274016669	0.635	0.451	1.64E-115	HTC	CYB5D2
HNRNPA1	4.47E-119	-0.27483277	0.997	0.998	1.13E-114	HTC	HNRNPA1
UQCR10	5.44E-119	0.295817716	0.89	0.784	1.37E-114	HTC	UQCR10
RNF130	3.14E-118	0.316053489	0.754	0.61	7.92E-114	HTC	RNF130

IRF1	1.98E-117	-0.62431548	0.343	0.533	4.98E-113	HTC	IRF1
VCAN.1	9.32E-117	-0.59264162	0.115	0.296	2.35E-112	HTC	VCAN
MPP6	1.24E-116	0.29798474	0.616	0.44	3.12E-112	HTC	MPP6
KAL1	1.83E-116	-0.26783864	0.085	0.261	4.60E-112	HTC	KAL1
NDUFA3	1.85E-116	0.297902249	0.757	0.611	4.65E-112	HTC	NDUFA3
NBL1.1	3.20E-115	-0.45174356	0.034	0.187	8.06E-111	HTC	NBL1
UGP2.1	4.53E-115	-0.44802912	0.86	0.877	1.14E-110	HTC	UGP2
VCAM1.1	2.91E-114	-0.85329065	0.043	0.198	7.33E-110	HTC	VCAM1
LARP6	3.80E-114	0.311132237	0.596	0.423	9.57E-110	HTC	LARP6
PNKD	9.75E-114	0.277999702	0.771	0.62	2.46E-109	HTC	PNKD
MXRA8	1.10E-113	-0.36253308	0.66	0.788	2.76E-109	HTC	MXRA8
TSPAN2	1.90E-113	-0.55981152	0.626	0.726	4.78E-109	HTC	TSPAN2
ERG	6.96E-113	-0.31114374	0.237	0.424	1.75E-108	HTC	ERG
MT-ND4.1	8.25E-113	0.369390978	0.969	0.951	2.08E-108	HTC	MT-ND4
NTN1.1	9.93E-113	-0.25862932	0.049	0.208	2.50E-108	HTC	NTN1
ATP1B1	3.28E-112	-0.3926351	0.506	0.659	8.28E-108	HTC	ATP1B1
PPP1R3C.1	3.44E-112	0.391446846	0.827	0.678	8.66E-108	HTC	PPP1R3C
FKBP8	4.78E-112	0.281041651	0.909	0.83	1.20E-107	HTC	FKBP8
NDFIP1	7.59E-112	-0.32837045	0.858	0.9	1.91E-107	HTC	NDFIP1
ATF3.1	3.18E-110	0.361943814	0.744	0.562	8.02E-106	HTC	ATF3
NT5E.1	7.31E-110	-0.44541832	0.344	0.5	1.84E-105	HTC	NT5E
SNHG18	8.94E-110	0.28139982	0.651	0.478	2.25E-105	HTC	SNHG18
MT-ND5	9.88E-110	0.378398946	0.962	0.929	2.49E-105	HTC	MT-ND5
COX14	1.09E-109	0.276715086	0.815	0.686	2.74E-105	HTC	COX14
SDC1	1.47E-109	-0.28904642	0.13	0.307	3.70E-105	HTC	SDC1
CCND1.1	3.89E-109	-0.33134391	0.025	0.169	9.81E-105	HTC	CCND1
TNFAIP6.1	4.47E-109	-1.44138096	0.068	0.223	1.13E-104	HTC	TNFAIP6
CETN2	8.13E-109	0.280318907	0.666	0.5	2.05E-104	HTC	CETN2
RARRES2.1	1.23E-108	-0.53119265	0.204	0.389	3.11E-104	HTC	RARRES2
DBI	1.12E-107	0.348565686	0.93	0.864	2.82E-103	HTC	DBI
HEBP1	3.73E-106	0.267889583	0.672	0.513	9.40E-102	HTC	HEBP1
FGFR2	4.22E-106	-0.2930027	0.152	0.328	1.06E-101	HTC	FGFR2
LDHA	1.27E-105	-0.28159516	0.997	0.997	3.20E-101	HTC	LDHA
KLF10.1	2.19E-105	0.393762311	0.727	0.575	5.52E-101	HTC	KLF10
RPSA	8.18E-105	-0.25862588	0.995	0.993	2.06E-100	HTC	RPSA
METTL7A.1	2.82E-104	0.252987227	0.685	0.488	7.12E-100	HTC	METTL7A
VOPP1	1.46E-103	0.26250689	0.662	0.5	3.68E-99	HTC	VOPP1
CCND2	3.93E-103	-0.30103813	0.226	0.403	9.90E-99	HTC	CCND2
PLAGL1	4.85E-103	-0.27355232	0.267	0.452	1.22E-98	HTC	PLAGL1
MT-CO1.1	7.00E-103	0.427621362	0.964	0.945	1.76E-98	HTC	MT-CO1
TMED4	3.68E-102	0.268602851	0.807	0.69	9.27E-98	HTC	TMED4
HTRA1.1	4.48E-102	-1.57096759	0.8	0.828	1.13E-97	HTC	HTRA1
ZSCAN16-AS1	9.64E-102	0.252898796	0.639	0.467	2.43E-97	HTC	ZSCAN16-AS1
ID1.1	3.94E-101	-0.56221122	0.549	0.719	9.92E-97	HTC	ID1
PCOLCE2	4.28E-101	0.268460437	0.996	0.971	1.08E-96	HTC	PCOLCE2
TALDO1	5.83E-101	0.273562046	0.726	0.585	1.47E-96	HTC	TALDO1
MMP3.1	7.72E-101	-1.60515241	0.441	0.578	1.95E-96	HTC	MMP3
HIF1A	9.02E-101	-0.36507548	0.645	0.765	2.27E-96	HTC	HIF1A
VGLL4	1.67E-100	0.296174606	0.794	0.654	4.21E-96	HTC	VGLL4
UACA	2.07E-100	0.272033105	0.531	0.361	5.21E-96	HTC	UACA
CYR61.1	3.73E-100	0.424770178	0.967	0.937	9.40E-96	HTC	CYR61
C4orf3	4.40E-100	0.283402324	0.971	0.942	1.11E-95	HTC	C4orf3
MT1X	5.13E-100	-0.41849809	0.984	0.995	1.29E-95	HTC	MT1X
SULF2	5.55E-100	-0.31585512	0.406	0.57	1.40E-95	HTC	SULF2
COL6A3.1	6.49E-100	-0.87776308	0.476	0.583	1.63E-95	HTC	COL6A3
RP11-983P16.4.1	2.65E-99	0.265534531	0.703	0.527	6.67E-95	HTC	RP11-983P16.4
SLC25A3	4.76E-99	-0.27113636	0.905	0.927	1.20E-94	HTC	SLC25A3
TOB1	1.20E-98	0.337937148	0.745	0.607	3.02E-94	HTC	TOB1
TCEAL2	3.61E-98	0.265206327	0.882	0.756	9.11E-94	HTC	TCEAL2
THBS4	5.47E-98	-0.32628847	0.057	0.202	1.38E-93	HTC	THBS4

THBS1	3.63E-97	-0.51394976	0.316	0.475	9.16E-93	HTC	THBS1
UGDH	5.82E-96	-0.36619092	0.529	0.646	1.47E-91	HTC	UGDH
ANGPTL4.1	8.03E-96	-0.64463963	0.478	0.647	2.02E-91	HTC	ANGPTL4
SMOC2.1	1.52E-95	-0.5152619	0.886	0.909	3.84E-91	HTC	SMOC2
ANK3.1	1.59E-95	-0.34876137	0.205	0.375	4.02E-91	HTC	ANK3
C5orf15	2.36E-95	-0.35572837	0.624	0.73	5.94E-91	HTC	C5orf15
FAM43A.1	9.18E-95	0.273622941	0.384	0.229	2.31E-90	HTC	FAM43A
HNRNPA0	4.29E-94	-0.29153245	0.813	0.881	1.08E-89	HTC	HNRNPA0
TUBA1B	5.89E-94	-0.4286666	0.885	0.908	1.49E-89	HTC	TUBA1B
TMSB4X.1	6.56E-94	-1.70554741	0.721	0.785	1.65E-89	HTC	TMSB4X
MATN3.1	2.62E-93	-0.72694617	0.428	0.577	6.61E-89	HTC	MATN3
SNAI1	4.00E-93	0.274444109	0.551	0.383	1.01E-88	HTC	SNAI1
LINC01116	4.45E-93	-0.27291297	0.361	0.526	1.12E-88	HTC	LINC01116
FOXP1	7.69E-93	-0.30381963	0.291	0.461	1.94E-88	HTC	FOXP1
GRN	1.55E-92	-0.34375516	0.601	0.697	3.91E-88	HTC	GRN
DDX5	2.14E-92	-0.40139207	0.982	0.99	5.39E-88	HTC	DDX5
CD8B	2.77E-92	0.253883069	0.479	0.323	6.97E-88	HTC	CD8B
HDDC2	3.27E-92	0.263529698	0.803	0.674	8.23E-88	HTC	HDDC2
TIMP4.1	4.56E-92	0.389860342	0.742	0.637	1.15E-87	HTC	TIMP4
OSTC.1	5.94E-92	-0.35991726	0.84	0.845	1.50E-87	HTC	OSTC
SERINC3	4.26E-91	0.25575897	0.785	0.67	1.07E-86	HTC	SERINC3
RGCC	4.86E-91	0.360299807	0.831	0.709	1.23E-86	HTC	RGCC
FBLN7	1.52E-90	-0.30080978	0.158	0.313	3.82E-86	HTC	FBLN7
IGFBP4.1	1.19E-89	-0.32157467	0.072	0.216	2.99E-85	HTC	IGFBP4
PTN	1.81E-89	-0.36752053	0.102	0.252	4.57E-85	HTC	PTN
GJA1.1	1.81E-89	-0.27945499	0.137	0.295	4.57E-85	HTC	GJA1
RUNX1	2.29E-89	-0.32908118	0.498	0.644	5.76E-85	HTC	RUNX1
KDEL3	8.06E-89	0.269456461	0.752	0.585	2.03E-84	HTC	KDEL3
LGALS3	1.95E-88	0.360670806	0.992	0.983	4.91E-84	HTC	LGALS3
PPA1	2.02E-88	-0.29178377	0.666	0.746	5.09E-84	HTC	PPA1
SSTR2	3.26E-88	0.256949733	0.35	0.204	8.20E-84	HTC	SSTR2
CFH.1	6.76E-88	-1.00150587	0.957	0.945	1.70E-83	HTC	CFH
C9orf3	9.42E-88	-0.32801271	0.71	0.793	2.37E-83	HTC	C9orf3
LMNA	2.75E-86	-0.47362017	0.935	0.949	6.92E-82	HTC	LMNA
ADAMTS5.1	8.50E-86	-0.28857822	0.031	0.153	2.14E-81	HTC	ADAMTS5
NTRK2	2.67E-85	0.271506348	0.558	0.392	6.74E-81	HTC	NTRK2
COLGALT2	5.92E-85	0.276419104	0.648	0.494	1.49E-80	HTC	COLGALT2
PID1	1.04E-84	0.275798576	0.792	0.631	2.62E-80	HTC	PID1
COL2A1	1.14E-84	-1.39772252	0.955	0.928	2.88E-80	HTC	COL2A1
ANK2	1.39E-84	-0.25000827	0.086	0.229	3.51E-80	HTC	ANK2
ECM1.1	1.88E-84	-0.30154072	0.043	0.169	4.74E-80	HTC	ECM1
EPB41L2	2.65E-84	-0.29590499	0.453	0.606	6.67E-80	HTC	EPB41L2
FHL1	2.00E-82	-0.40735503	0.798	0.853	5.05E-78	HTC	FHL1
HSPG2	3.13E-82	-0.27898765	0.253	0.412	7.88E-78	HTC	HSPG2
SCPEP1	6.47E-82	0.266995708	0.691	0.566	1.63E-77	HTC	SCPEP1
ANXA2	1.34E-81	-0.3224789	0.983	0.981	3.38E-77	HTC	ANXA2
PHLDA2	2.35E-81	0.553244295	0.696	0.555	5.92E-77	HTC	PHLDA2
PLXDC2	2.92E-81	-0.27602683	0.779	0.843	7.35E-77	HTC	PLXDC2
PPIC	3.35E-81	-0.40803623	0.714	0.747	8.44E-77	HTC	PPIC
TNFRSF1A	7.98E-81	-0.28392808	0.628	0.729	2.01E-76	HTC	TNFRSF1A
CD44	2.37E-80	-0.38976838	0.581	0.706	5.97E-76	HTC	CD44
LOXL3	5.22E-80	-0.27351584	0.228	0.378	1.32E-75	HTC	LOXL3
MT1E	7.32E-80	-0.29287895	0.979	0.993	1.84E-75	HTC	MT1E
EIF4G2	7.81E-80	-0.2604449	0.818	0.867	1.97E-75	HTC	EIF4G2
PRG4.1	1.78E-79	-3.14692644	0.274	0.404	4.47E-75	HTC	PRG4
MGAT1	4.52E-79	-0.2550479	0.414	0.554	1.14E-74	HTC	MGAT1
NR1D1.1	1.89E-78	0.268625043	0.802	0.669	4.76E-74	HTC	NR1D1
RPL17	4.35E-78	-0.26512591	0.881	0.914	1.10E-73	HTC	RPL17
EPS8	6.35E-78	0.252932015	0.706	0.581	1.60E-73	HTC	EPS8
PROCR.1	6.55E-77	-0.35922075	0.414	0.541	1.65E-72	HTC	PROCR

DLX5.1	7.42E-77	0.275750718	0.619	0.471	1.87E-72	HTC	DLX5
S100A11.1	1.00E-76	-0.38563799	0.969	0.964	2.53E-72	HTC	S100A11
IFI16	4.19E-76	-0.27906276	0.238	0.389	1.06E-71	HTC	IFI16
ARL4D	6.87E-76	0.255605712	0.408	0.266	1.73E-71	HTC	ARL4D
IER5	6.83E-75	0.269383806	0.585	0.439	1.72E-70	HTC	IER5
ISLR.1	4.27E-74	-0.49686042	0.709	0.761	1.08E-69	HTC	ISLR
RBM3	1.25E-73	-0.25057405	0.896	0.921	3.16E-69	HTC	RBM3
NRP2	1.83E-73	-0.28740325	0.198	0.341	4.62E-69	HTC	NRP2
ADM.1	2.24E-73	0.292710892	0.621	0.464	5.63E-69	HTC	ADM
RSL24D1	1.76E-71	-0.2586848	0.862	0.89	4.44E-67	HTC	RSL24D1
CD55.1	3.59E-70	-1.10445478	0.682	0.729	9.04E-66	HTC	CD55
DKK3.1	1.14E-69	-0.40748003	0.299	0.447	2.87E-65	HTC	DKK3
SERPINH1	2.67E-69	-0.30498992	0.486	0.617	6.73E-65	HTC	SERPINH1
KIAA0040	3.35E-69	-0.37764645	0.557	0.664	8.43E-65	HTC	KIAA0040
STEAP1	7.55E-69	-0.27131769	0.266	0.404	1.90E-64	HTC	STEAP1
THBD	1.05E-68	-0.27476163	0.067	0.185	2.65E-64	HTC	THBD
PLAUR.1	4.59E-67	-0.33967945	0.219	0.352	1.16E-62	HTC	PLAUR
CCDC85B	5.70E-67	-0.28598488	0.703	0.775	1.44E-62	HTC	CCDC85B
CD164	1.17E-66	0.362651628	0.815	0.747	2.96E-62	HTC	CD164
C19orf10	1.35E-66	0.273044452	0.967	0.913	3.41E-62	HTC	C19orf10
LSP1	1.46E-66	-0.31427441	0.865	0.895	3.69E-62	HTC	LSP1
CDC42EP3	2.15E-66	-0.25559783	0.19	0.326	5.43E-62	HTC	CDC42EP3
PLSCR1	2.74E-66	-0.27869614	0.255	0.394	6.90E-62	HTC	PLSCR1
MT-CO2.1	2.73E-65	0.269672786	0.97	0.946	6.88E-61	HTC	MT-CO2
PDK4	3.56E-65	-0.51309876	0.146	0.276	8.98E-61	HTC	PDK4
ZFP36L2	5.69E-65	-0.26886486	0.241	0.387	1.43E-60	HTC	ZFP36L2
FLOT1	7.39E-65	-0.25940566	0.629	0.721	1.86E-60	HTC	FLOT1
MYC	2.21E-64	-0.41868146	0.195	0.334	5.57E-60	HTC	MYC
HIST1H1C	4.14E-64	0.38742712	0.377	0.253	1.04E-59	HTC	HIST1H1C
MT2A	4.35E-64	-0.3567204	0.997	0.999	1.10E-59	HTC	MT2A
TNFRSF12A	5.52E-63	-0.44486269	0.651	0.711	1.39E-58	HTC	TNFRSF12A
MAP7D3	9.43E-63	-0.27894086	0.419	0.548	2.38E-58	HTC	MAP7D3
PFN1	9.55E-63	-0.35701904	0.885	0.887	2.41E-58	HTC	PFN1
NGF	1.49E-62	-0.30174129	0.126	0.253	3.76E-58	HTC	NGF
CAPZB.1	6.10E-62	-0.34135426	0.573	0.652	1.54E-57	HTC	CAPZB
CAST	2.23E-61	-0.27229286	0.491	0.599	5.62E-57	HTC	CAST
CDO1	3.16E-61	-0.32161197	0.966	0.962	7.97E-57	HTC	CDO1
HMG2	5.12E-61	-0.26260515	0.861	0.898	1.29E-56	HTC	HMG2
CYP1B1	5.96E-61	-0.38111714	0.253	0.388	1.50E-56	HTC	CYP1B1
RSPO2	4.71E-60	-0.32686988	0.202	0.326	1.19E-55	HTC	RSPO2
ZNF503	1.32E-59	-0.27786225	0.333	0.467	3.32E-55	HTC	ZNF503
PAPPA.1	1.40E-59	-0.27545232	0.034	0.129	3.54E-55	HTC	PAPPA
FN1.1	1.92E-59	0.339285916	1	0.999	4.84E-55	HTC	FN1
PNRC1.1	2.80E-59	-0.36295654	0.718	0.787	7.07E-55	HTC	PNRC1
HMOX1	4.34E-59	-1.08047248	0.282	0.401	1.09E-54	HTC	HMOX1
SLC7A2.1	2.08E-58	-0.3937508	0.274	0.389	5.24E-54	HTC	SLC7A2
ADAMTS1	3.61E-58	-0.36408087	0.097	0.209	9.09E-54	HTC	ADAMTS1
COL9A1.1	4.71E-58	-0.43070593	0.144	0.258	1.19E-53	HTC	COL9A1
DNER	3.88E-57	0.276718751	0.299	0.195	9.78E-53	HTC	DNER
CNIH1.1	5.62E-57	-0.26218856	0.63	0.693	1.42E-52	HTC	CNIH1
RPN2	9.60E-56	0.261130544	0.888	0.821	2.42E-51	HTC	RPN2
TSC22D1.1	1.80E-55	-0.48727781	0.987	0.973	4.54E-51	HTC	TSC22D1
TREM1.1	3.82E-55	-0.27895967	0.02	0.102	9.61E-51	HTC	TREM1
SEPW1	7.64E-55	-0.2638574	0.751	0.784	1.93E-50	HTC	SEPW1
GFPT2	8.82E-55	-0.26064736	0.205	0.331	2.22E-50	HTC	GFPT2
AQP1.1	5.03E-54	-0.51380827	0.032	0.118	1.27E-49	HTC	AQP1
MT1A	8.90E-53	-0.4413606	0.315	0.432	2.24E-48	HTC	MT1A
ICAM1.1	2.15E-52	-0.59296145	0.423	0.53	5.43E-48	HTC	ICAM1
DST.1	4.51E-52	-0.27034416	0.789	0.817	1.14E-47	HTC	DST
MT-CO3.1	5.16E-52	0.323114207	0.969	0.949	1.30E-47	HTC	MT-CO3

PDLIM7.1	6.81E-52	-0.26586391	0.222	0.336	1.72E-47	HTC	PDLIM7
TRPS1.1	2.47E-50	-0.25642446	0.483	0.572	6.21E-46	HTC	TRPS1
DNAJA1	1.03E-49	-0.2880371	0.721	0.784	2.60E-45	HTC	DNAJA1
AMTN.1	2.17E-49	-0.45733804	0.037	0.12	5.46E-45	HTC	AMTN
FUS	9.41E-49	-0.25794516	0.889	0.914	2.37E-44	HTC	FUS
HEXIM1	2.85E-48	-0.29281758	0.465	0.575	7.17E-44	HTC	HEXIM1
ANXA4.1	3.14E-48	-0.27935446	0.488	0.577	7.90E-44	HTC	ANXA4
MTHFD2	4.64E-48	-0.27002525	0.406	0.514	1.17E-43	HTC	MTHFD2
MEG3.1	2.60E-47	0.328337179	0.621	0.501	6.55E-43	HTC	MEG3
GLRX.1	5.69E-47	-0.4579374	0.4	0.495	1.43E-42	HTC	GLRX
CCL2.1	1.19E-46	-0.82512238	0.128	0.229	3.00E-42	HTC	CCL2
COL1A1.1	4.23E-46	-1.78915922	0.062	0.148	1.07E-41	HTC	COL1A1
MT1H	5.59E-46	-0.38120837	0.171	0.282	1.41E-41	HTC	MT1H
LAG3	1.17E-44	-0.27653045	0.413	0.518	2.94E-40	HTC	LAG3
MTRNR2L2	2.76E-44	0.25301245	0.573	0.458	6.95E-40	HTC	MTRNR2L2
HSPD1	5.13E-41	-0.250745	0.81	0.833	1.29E-36	HTC	HSPD1
GADD45B.1	6.24E-41	0.329558111	0.938	0.918	1.57E-36	HTC	GADD45B
WTAP	3.88E-40	-0.32198921	0.6	0.666	9.77E-36	HTC	WTAP
BIRC3	4.39E-39	-0.29957022	0.032	0.1	1.11E-34	HTC	BIRC3
IBTK	1.74E-38	0.253167503	0.472	0.384	4.39E-34	HTC	IBTK
SLC40A1	6.98E-38	-0.33415782	0.268	0.36	1.76E-33	HTC	SLC40A1
GREM1.1	2.12E-37	-0.49924341	0.177	0.271	5.34E-33	HTC	GREM1
S100A4.1	2.29E-37	-1.54269912	0.599	0.619	5.78E-33	HTC	S100A4
NFATC2	2.24E-36	-0.27775355	0.473	0.563	5.65E-32	HTC	NFATC2
NAMPT	3.81E-35	-0.26557187	0.376	0.464	9.60E-31	HTC	NAMPT
GPRC5A	8.19E-34	-0.266651	0.442	0.539	2.06E-29	HTC	GPRC5A
CALD1	9.16E-34	-0.36815929	0.767	0.786	2.31E-29	HTC	CALD1
SAA1	2.64E-33	-0.8342995	0.04	0.102	6.64E-29	HTC	SAA1
TSC22D3	6.66E-33	0.330405345	0.893	0.841	1.68E-28	HTC	TSC22D3
TAGLN2.1	6.32E-32	-0.38281372	0.813	0.791	1.59E-27	HTC	TAGLN2
CRLF1.1	6.83E-32	-0.52388392	0.179	0.256	1.72E-27	HTC	CRLF1
STEAP4.1	3.86E-31	-0.31139286	0.048	0.11	9.72E-27	HTC	STEAP4
SERPINE1	3.95E-30	0.349082522	0.486	0.409	9.94E-26	HTC	SERPINE1
ARRDC3	3.35E-29	-0.26951953	0.288	0.369	8.44E-25	HTC	ARRDC3
GLUL	5.18E-29	-0.32419353	0.508	0.578	1.30E-24	HTC	GLUL
MGST3.1	2.14E-28	-0.26817441	0.802	0.815	5.40E-24	HTC	MGST3
MGP	6.27E-27	0.271334609	1	1	1.58E-22	HTC	MGP
NEAT1	1.25E-26	-0.27695192	0.997	0.996	3.14E-22	HTC	NEAT1
S100A10.1	4.91E-25	-0.40310633	0.998	0.993	1.24E-20	HTC	S100A10
SERPING1	1.64E-23	-0.26180761	0.847	0.868	4.13E-19	HTC	SERPING1
IGFBP5.1	3.84E-20	-0.74760805	0.171	0.237	9.68E-16	HTC	IGFBP5
RGS16.1	1.80E-19	-0.70514002	0.72	0.745	4.54E-15	HTC	RGS16
KLF6.1	3.44E-18	-0.31702072	0.753	0.774	8.66E-14	HTC	KLF6
PPP1R15A.1	3.02E-17	-0.37056357	0.726	0.753	7.62E-13	HTC	PPP1R15A
ANXA1	9.05E-16	-0.27257728	0.984	0.978	2.28E-11	HTC	ANXA1
LUM.1	3.23E-11	-0.25854736	1	0.999	8.13E-07	HTC	LUM
PRSS23.1	4.77E-11	-0.45654032	0.248	0.284	1.20E-06	HTC	PRSS23
IER3.1	1.77E-10	-0.30371982	0.842	0.875	4.47E-06	HTC	IER3
MYL9	1.40E-09	-0.37728888	0.262	0.306	3.52E-05	HTC	MYL9
SLC25A37	6.45E-08	-0.29825538	0.82	0.814	0.001626	HTC	SLC25A37
KLF4.1	2.88E-07	-0.28866663	0.849	0.845	0.007261	HTC	KLF4
EMP1.1	0.000281	-0.37891199	0.757	0.75	1	HTC	EMP1
IGF2	0.001778	-0.30338145	0.302	0.309	1	HTC	IGF2
COL2A1.1	0	1.980322118	0.998	0.922	0	RepC	COL2A1
SPARC	0	1.518168463	0.999	0.972	0	RepC	SPARC
COL3A1.2	0	1.323830694	0.925	0.759	0	RepC	COL3A1
CILP2.1	0	1.322037114	0.963	0.735	0	RepC	CILP2
CLEC3A.2	0	1.186124923	0.945	0.719	0	RepC	CLEC3A
CTHRC1.1	0	1.183230468	0.851	0.506	0	RepC	CTHRC1
MATN3.2	0	1.043841963	0.857	0.511	0	RepC	MATN3

COL9A2.1	0	1.013479829	0.956	0.654	0	RepC	COL9A2
COL11A1	0	0.896613135	0.962	0.779	0	RepC	COL11A1
COL9A3.1	0	0.860550131	0.997	0.885	0	RepC	COL9A3
COL9A1.2	0	0.819489844	0.49	0.205	0	RepC	COL9A1
SMOC2.2	0	0.750331692	0.992	0.892	0	RepC	SMOC2
ITM2A.1	0	0.714031807	0.93	0.663	0	RepC	ITM2A
COL11A2.1	0	0.675861214	0.958	0.718	0	RepC	COL11A2
COL5A2.2	0	0.655410806	0.865	0.627	0	RepC	COL5A2
SERPINA5.2	0	0.57580661	0.986	0.824	0	RepC	SERPINA5
FMOD	0	0.565687902	1	0.993	0	RepC	FMOD
SDC1.1	0	0.435278526	0.552	0.242	0	RepC	SDC1
COMP.2	6.99E-308	0.759419814	1	0.999	1.76E-303	RepC	COMP
INSC	3.81E-287	0.276791213	0.381	0.131	9.59E-283	RepC	INSC
IGF2.1	5.06E-255	0.748465006	0.549	0.271	1.27E-250	RepC	IGF2
PPIC.1	6.42E-253	0.541324954	0.884	0.72	1.62E-248	RepC	PPIC
SBSPON.1	3.20E-248	0.493677664	0.726	0.425	8.07E-244	RepC	SBSPON
PCOLCE2.1	1.49E-242	0.469442876	0.998	0.971	3.75E-238	RepC	PCOLCE2
OGN.2	2.27E-241	0.834451311	0.94	0.794	5.72E-237	RepC	OGN
FIBIN.1	2.53E-234	0.632577091	0.96	0.825	6.38E-230	RepC	FIBIN
TNNT3.1	8.38E-230	0.686384938	0.571	0.301	2.11E-225	RepC	TNNT3
CHAD.2	1.93E-224	0.443203426	0.993	0.849	4.87E-220	RepC	CHAD
S100A1.1	2.04E-224	0.449662131	0.996	0.88	5.15E-220	RepC	S100A1
IFITM3.2	2.36E-218	-0.70198094	0.952	0.975	5.95E-214	RepC	IFITM3
P4HB	4.35E-216	0.393497213	0.996	0.97	1.10E-211	RepC	P4HB
LOXL3.1	4.44E-216	0.384121344	0.583	0.323	1.12E-211	RepC	LOXL3
BGN.1	6.40E-204	0.340740486	1	0.999	1.61E-199	RepC	BGN
P4HA2	7.14E-198	0.429298736	0.841	0.636	1.80E-193	RepC	P4HA2
COL5A1.2	2.73E-197	0.482859101	0.736	0.499	6.89E-193	RepC	COL5A1
LOXL2.1	6.13E-196	0.382953486	0.471	0.236	1.54E-191	RepC	LOXL2
IFITM2.2	1.37E-192	-0.72815313	0.76	0.843	3.45E-188	RepC	IFITM2
NRN1.1	2.27E-192	0.470838963	0.949	0.851	5.72E-188	RepC	NRN1
SCRG1.2	7.99E-186	0.40986889	1	0.993	2.01E-181	RepC	SCRG1
PAPSS2	6.38E-184	0.415735438	0.914	0.765	1.61E-179	RepC	PAPSS2
TSPAN2.1	4.17E-182	0.522391578	0.873	0.688	1.05E-177	RepC	TSPAN2
HAPLN1.1	3.62E-179	0.512633341	0.999	0.943	9.13E-175	RepC	HAPLN1
CYTL1.2	2.76E-174	0.508496229	0.981	0.883	6.94E-170	RepC	CYTL1
UGP2.2	1.75E-172	0.425098837	0.957	0.862	4.41E-168	RepC	UGP2
DOK1	2.16E-172	0.367487504	0.601	0.362	5.44E-168	RepC	DOK1
MFGE8.2	3.46E-166	-0.61566785	0.937	0.946	8.72E-162	RepC	MFGE8
CST3.2	4.15E-162	-0.41272599	0.997	0.997	1.05E-157	RepC	CST3
C2orf82.2	2.27E-156	0.300861185	0.999	0.94	5.73E-152	RepC	C2orf82
CILP.1	4.63E-156	0.485777113	0.973	0.902	1.17E-151	RepC	CILP
GAPDH.1	2.19E-155	0.299104032	1	1	5.52E-151	RepC	GAPDH
LSP1.1	1.30E-153	0.387622125	0.973	0.878	3.28E-149	RepC	LSP1
FAM162A	1.57E-152	0.37148937	0.96	0.862	3.94E-148	RepC	FAM162A
IFITM10	4.69E-150	0.327838479	0.711	0.468	1.18E-145	RepC	IFITM10
GREM1.2	5.95E-150	0.81591491	0.428	0.232	1.50E-145	RepC	GREM1
FKBP10	7.14E-150	0.34634324	0.957	0.851	1.80E-145	RepC	FKBP10
TRPV4.1	6.77E-149	0.382296504	0.885	0.676	1.71E-144	RepC	TRPV4
ANGPTL5	6.87E-149	0.297353495	0.571	0.339	1.73E-144	RepC	ANGPTL5
SRPX2.1	2.93E-147	0.458511218	0.745	0.548	7.39E-143	RepC	SRPX2
ITIH6	1.26E-146	0.255273425	0.617	0.37	3.18E-142	RepC	ITIH6
P4HA1	1.93E-144	0.334737695	0.943	0.812	4.85E-140	RepC	P4HA1
TUBB2B.1	2.62E-142	0.390854716	0.844	0.596	6.60E-138	RepC	TUBB2B
MT-ND3.1	1.17E-141	-0.50884218	0.895	0.942	2.95E-137	RepC	MT-ND3
CDA	1.59E-139	0.263275222	0.554	0.327	4.01E-135	RepC	CDA
GALNT18.1	5.14E-139	0.308158575	0.76	0.541	1.29E-134	RepC	GALNT18
LECT1.2	8.61E-139	0.406661121	0.691	0.447	2.17E-134	RepC	LECT1
SDC2.1	8.88E-139	0.276866958	0.994	0.954	2.24E-134	RepC	SDC2
XYLT1	2.79E-135	0.269359208	0.557	0.337	7.04E-131	RepC	XYLT1

S100A13.1	4.25E-133	0.289640336	0.996	0.974	1.07E-128	RepC	S100A13
IGFBP7	2.15E-131	0.340378206	0.768	0.564	5.42E-127	RepC	IGFBP7
H3F3B.1	8.13E-130	-0.34138634	0.999	1	2.05E-125	RepC	H3F3B
GDF10.1	6.73E-127	0.457443821	0.829	0.61	1.69E-122	RepC	GDF10
MT-CYB.1	2.44E-126	-0.48102869	0.912	0.952	6.14E-122	RepC	MT-CYB
SEMA3E	4.51E-121	0.263684231	0.56	0.349	1.14E-116	RepC	SEMA3E
SSR2	4.44E-120	0.270316849	0.966	0.899	1.12E-115	RepC	SSR2
EPS8L2	4.59E-120	0.314839413	0.737	0.542	1.16E-115	RepC	EPS8L2
MT-CO3.2	2.26E-117	-0.48290632	0.921	0.956	5.70E-113	RepC	MT-CO3
MT-ND4.2	2.71E-116	-0.39463733	0.922	0.959	6.82E-112	RepC	MT-ND4
OSTC.2	5.96E-115	0.295425168	0.924	0.832	1.50E-110	RepC	OSTC
TIMP3.1	4.51E-113	-0.90738673	0.455	0.575	1.14E-108	RepC	TIMP3
FBXO2.2	1.67E-111	0.272966097	0.969	0.855	4.22E-107	RepC	FBXO2
HCFC1R1.1	3.50E-106	0.277498007	0.791	0.611	8.82E-102	RepC	HCFC1R1
OMD	6.82E-103	0.469768025	0.787	0.64	1.72E-98	RepC	OMD
MT-ND2.1	1.37E-102	-0.39151423	0.918	0.955	3.46E-98	RepC	MT-ND2
GAS1.2	2.92E-102	0.336672857	0.595	0.399	7.37E-98	RepC	GAS1
PTMA	1.13E-101	-0.28648242	0.997	1	2.84E-97	RepC	PTMA
EFEMP2	5.77E-100	0.258378598	0.863	0.697	1.45E-95	RepC	EFEMP2
MAGED1	1.21E-98	0.261851073	0.793	0.616	3.04E-94	RepC	MAGED1
SLC25A37.1	6.23E-98	-0.53077982	0.777	0.82	1.57E-93	RepC	SLC25A37
ADIRF	1.72E-95	-0.58012215	0.906	0.925	4.34E-91	RepC	ADIRF
THBS4.1	5.66E-94	0.259153758	0.309	0.163	1.43E-89	RepC	THBS4
NFATC2.1	1.00E-93	0.408343155	0.69	0.53	2.52E-89	RepC	NFATC2
PLXDC2.1	1.04E-93	0.260268965	0.927	0.82	2.63E-89	RepC	PLXDC2
MALAT1	1.09E-90	-0.31697614	1	1	2.75E-86	RepC	MALAT1
CD44.1	1.17E-89	-0.43328474	0.627	0.698	2.94E-85	RepC	CD44
MT2A.1	3.70E-89	-0.49001002	0.997	0.999	9.31E-85	RepC	MT2A
MT-CO2.2	1.74E-88	-0.42421596	0.918	0.954	4.38E-84	RepC	MT-CO2
NTRK2.1	2.72E-87	0.251118275	0.574	0.391	6.86E-83	RepC	NTRK2
RARRES2.2	4.49E-87	0.310925733	0.528	0.339	1.13E-82	RepC	RARRES2
AQP3	2.73E-86	0.551748113	0.499	0.338	6.88E-82	RepC	AQP3
CHI3L1.2	2.77E-85	-1.73797041	0.759	0.792	6.99E-81	RepC	CHI3L1
NGF.1	4.58E-84	0.274998136	0.368	0.215	1.15E-79	RepC	NGF
PID1.1	5.20E-84	0.282401408	0.784	0.633	1.31E-79	RepC	PID1
VCAM1.2	8.50E-84	-0.80668384	0.062	0.194	2.14E-79	RepC	VCAM1
TIMP1.1	2.89E-81	-0.66063129	0.998	0.995	7.28E-77	RepC	TIMP1
ATP1B1.1	4.67E-81	0.264611563	0.784	0.616	1.18E-76	RepC	ATP1B1
NEAT1.1	1.99E-80	-0.38131387	0.996	0.996	5.01E-76	RepC	NEAT1
CTGF.1	5.62E-79	0.304614231	0.992	0.98	1.42E-74	RepC	CTGF
JUNB.2	1.23E-77	-0.6980873	0.994	0.994	3.09E-73	RepC	JUNB
PCOLCE.2	2.35E-76	0.256635965	0.928	0.816	5.93E-72	RepC	PCOLCE
MT-ATP6.1	2.52E-76	-0.37991651	0.921	0.954	6.35E-72	RepC	MT-ATP6
CKB	1.91E-75	0.401955489	0.499	0.341	4.81E-71	RepC	CKB
IGFBP6.2	7.22E-75	-0.82552358	0.653	0.709	1.82E-70	RepC	IGFBP6
ID2	3.01E-71	0.28124514	0.967	0.914	7.58E-67	RepC	ID2
UROC1	5.17E-69	0.296090384	0.337	0.206	1.30E-64	RepC	UROC1
B2M	1.05E-68	-0.26261981	0.999	1	2.65E-64	RepC	B2M
MT-ND5.1	8.74E-67	-0.31626287	0.899	0.939	2.20E-62	RepC	MT-ND5
IER2.2	2.23E-65	-0.78862318	0.87	0.87	5.62E-61	RepC	IER2
CDKN1A.1	4.95E-64	-0.40215262	0.811	0.841	1.25E-59	RepC	CDKN1A
HLA-E	1.60E-63	-0.31912007	0.829	0.849	4.03E-59	RepC	HLA-E
CYR61.2	3.77E-62	0.283837261	0.975	0.936	9.51E-58	RepC	CYR61
NPC2.1	1.20E-61	-0.37683687	0.953	0.948	3.01E-57	RepC	NPC2
MT-ND1	5.83E-61	-0.31291986	0.9	0.946	1.47E-56	RepC	MT-ND1
YBX3	1.43E-60	-0.30917983	0.621	0.675	3.59E-56	RepC	YBX3
COL10A1.2	2.41E-59	-1.53156898	0.066	0.17	6.07E-55	RepC	COL10A1
KLF10.2	1.50E-58	-0.44972307	0.536	0.605	3.77E-54	RepC	KLF10
MT-CO1.2	2.74E-57	-0.33203758	0.917	0.952	6.90E-53	RepC	MT-CO1
RCAN1.1	1.49E-56	0.425163925	0.782	0.664	3.76E-52	RepC	RCAN1

NBL1.2	3.26E-56	-0.40438991	0.077	0.179	8.21E-52	RepC	NBL1
TMEM173	5.29E-55	-0.26375332	0.292	0.404	1.33E-50	RepC	TMEM173
BTG1.1	8.32E-55	-0.4323368	0.925	0.932	2.10E-50	RepC	BTG1
EPS8.1	9.34E-54	-0.28712795	0.542	0.606	2.35E-49	RepC	EPS8
PPP1R15A.2	5.14E-52	-0.48453291	0.709	0.756	1.29E-47	RepC	PPP1R15A
NDRG1	1.15E-49	-0.30142011	0.62	0.661	2.89E-45	RepC	NDRG1
TIMP2.1	4.00E-49	-0.37432638	0.712	0.731	1.01E-44	RepC	TIMP2
NRP2.1	4.36E-49	-0.27893575	0.234	0.335	1.10E-44	RepC	NRP2
ACTB.2	5.35E-49	-0.32314018	1	0.997	1.35E-44	RepC	ACTB
CCNL1.1	1.27E-48	-0.32678818	0.866	0.876	3.20E-44	RepC	CCNL1
STEAP4.2	2.14E-48	-0.33856535	0.032	0.112	5.38E-44	RepC	STEAP4
RHOC.1	8.40E-47	-0.2510274	0.881	0.875	2.12E-42	RepC	RHOC
GPX1	4.72E-45	-0.25759507	0.756	0.775	1.19E-40	RepC	GPX1
PLAUR.2	2.59E-44	-0.35169186	0.258	0.345	6.53E-40	RepC	PLAUR
PPAP2B.2	4.69E-44	-0.33728697	0.148	0.244	1.18E-39	RepC	PPAP2B
IER3.2	5.53E-44	-0.63551363	0.849	0.873	1.39E-39	RepC	IER3
ZFP36.1	1.38E-43	-0.5376201	0.958	0.956	3.47E-39	RepC	ZFP36
MT1M.1	1.98E-43	-0.43557314	0.79	0.825	4.99E-39	RepC	MT1M
CEBPD	4.42E-43	-0.27642638	0.308	0.401	1.11E-38	RepC	CEBPD
EGR1.2	9.47E-43	-0.47911138	0.922	0.915	2.39E-38	RepC	EGR1
BZW1	1.44E-42	-0.27755416	0.896	0.886	3.62E-38	RepC	BZW1
GLRX.2	2.76E-42	-0.47188943	0.421	0.491	6.95E-38	RepC	GLRX
ECM1.2	2.33E-41	-0.26192048	0.079	0.163	5.87E-37	RepC	ECM1
TREM1.2	3.87E-41	-0.27754936	0.03	0.1	9.74E-37	RepC	TREM1
GLUL.1	5.60E-41	-0.3805934	0.517	0.577	1.41E-36	RepC	GLUL
ARPC1B.1	7.91E-41	-0.32723178	0.598	0.624	1.99E-36	RepC	ARPC1B
MINOS1	9.27E-41	-0.26293284	0.795	0.786	2.34E-36	RepC	MINOS1
CD55.2	1.51E-40	-0.93215556	0.698	0.726	3.82E-36	RepC	CD55
TMSB4X.2	1.77E-40	-1.46578601	0.769	0.778	4.45E-36	RepC	TMSB4X
PLP2.1	2.29E-40	-0.27022182	0.876	0.882	5.78E-36	RepC	PLP2
PIK3R1	7.60E-40	-0.36525852	0.313	0.397	1.92E-35	RepC	PIK3R1
IRF1.1	2.45E-39	-0.51934327	0.445	0.516	6.16E-35	RepC	IRF1
SOD3.1	1.61E-37	-0.41939029	0.942	0.926	4.06E-33	RepC	SOD3
S100A11.2	2.04E-36	-0.30433769	0.969	0.964	5.15E-32	RepC	S100A11
TXNIP	1.02E-34	-0.37241412	0.443	0.509	2.57E-30	RepC	TXNIP
CYSTM1.1	1.54E-34	-0.25561207	0.637	0.655	3.89E-30	RepC	CYSTM1
SOD2.1	4.07E-34	-0.67462619	0.856	0.858	1.03E-29	RepC	SOD2
IBSP.2	4.97E-34	-1.92625781	0.093	0.168	1.25E-29	RepC	IBSP
LMNA.1	9.16E-34	-0.29922688	0.949	0.947	2.31E-29	RepC	LMNA
GBP2.1	1.05E-33	-0.30306265	0.417	0.481	2.64E-29	RepC	GBP2
SOCS3.1	3.98E-32	-0.47150118	0.804	0.81	1.00E-27	RepC	SOCS3
WDR74	4.95E-32	-0.27012381	0.349	0.417	1.25E-27	RepC	WDR74
TNFRSF11B.2	4.94E-31	0.261468632	0.883	0.784	1.24E-26	RepC	TNFRSF11B
IGFBP5.2	6.99E-31	-0.89104227	0.163	0.238	1.76E-26	RepC	IGFBP5
A2M.1	1.13E-30	-0.32554283	0.348	0.419	2.86E-26	RepC	A2M
SAA1.1	7.68E-29	-0.82878571	0.043	0.102	1.93E-24	RepC	SAA1
SCARA3.1	2.38E-28	-0.28501758	0.57	0.589	6.01E-24	RepC	SCARA3
SLPI.1	2.99E-28	-0.29122237	0.155	0.236	7.54E-24	RepC	SLPI
SERPING1.1	4.12E-28	-0.27120643	0.867	0.865	1.04E-23	RepC	SERPING1
SLC39A14.2	4.96E-28	-0.2851852	0.744	0.749	1.25E-23	RepC	SLC39A14
AQP1.2	5.28E-28	-0.48472396	0.055	0.114	1.33E-23	RepC	AQP1
ICAM1.2	6.73E-28	-0.49851901	0.474	0.522	1.69E-23	RepC	ICAM1
OSMR.1	2.14E-27	-0.28082285	0.577	0.6	5.39E-23	RepC	OSMR
RBP4.2	1.21E-25	-0.26886068	0.681	0.71	3.06E-21	RepC	RBP4
ZFP36L1	4.15E-25	-0.25423883	0.777	0.778	1.05E-20	RepC	ZFP36L1
TAC1	4.85E-25	0.255647004	0.108	0.061	1.22E-20	RepC	TAC1
C1R.2	1.28E-24	-0.36287429	0.674	0.674	3.21E-20	RepC	C1R
PFN1.1	8.81E-24	-0.27015045	0.902	0.885	2.22E-19	RepC	PFN1
C10orf10	9.96E-24	-0.32603427	0.191	0.259	2.51E-19	RepC	C10orf10
CP.1	1.07E-23	-0.4169289	0.607	0.604	2.70E-19	RepC	CP

CAPZB.2	2.70E-23	-0.26515432	0.648	0.64	6.80E-19	RepC	CAPZB
TAGLN2.2	1.07E-22	-0.32483325	0.796	0.793	2.69E-18	RepC	TAGLN2
DPT.2	1.25E-22	-0.28613484	0.478	0.354	3.14E-18	RepC	DPT
BTG2.2	6.44E-22	-0.44574997	0.718	0.73	1.62E-17	RepC	BTG2
GPX3.2	3.07E-21	-0.41012559	0.992	0.989	7.73E-17	RepC	GPX3
NFKBIZ.1	6.60E-21	-0.3800897	0.498	0.521	1.66E-16	RepC	NFKBIZ
NFKBIA.2	1.54E-20	-0.61138839	0.886	0.882	3.89E-16	RepC	NFKBIA
GADD45B.2	8.57E-19	-0.56740561	0.928	0.919	2.16E-14	RepC	GADD45B
TNFAIP6.2	2.96E-18	-0.86085717	0.155	0.209	7.45E-14	RepC	TNFAIP6
CRYAB.1	3.54E-18	-0.42213851	0.857	0.818	8.91E-14	RepC	CRYAB
COL1A1.2	5.16E-18	-1.44492409	0.094	0.143	1.30E-13	RepC	COL1A1
CLU.2	6.63E-18	-0.42178515	1	1	1.67E-13	RepC	CLU
HES1.2	9.32E-18	-0.41117067	0.473	0.506	2.35E-13	RepC	HES1
RAMP1.1	3.50E-17	-0.25960217	0.219	0.273	8.82E-13	RepC	RAMP1
NR4A1.2	4.26E-16	-0.39503128	0.586	0.594	1.07E-11	RepC	NR4A1
CD74	7.29E-16	-0.33510537	0.11	0.159	1.84E-11	RepC	CD74
PIM1.1	3.54E-15	-0.26097677	0.288	0.33	8.91E-11	RepC	PIM1
CCDC80	3.83E-15	-0.34577859	0.901	0.862	9.64E-11	RepC	CCDC80
BHLHE40.2	4.24E-14	-0.27165349	0.803	0.797	1.07E-09	RepC	BHLHE40
CALD1.1	6.89E-14	-0.29755222	0.808	0.78	1.73E-09	RepC	CALD1
CHI3L2.2	1.85E-12	-1.37361233	0.932	0.875	4.67E-08	RepC	CHI3L2
CRLF1.2	3.49E-12	-0.46003665	0.216	0.249	8.79E-08	RepC	CRLF1
TAGLN.1	5.10E-12	-0.81232789	0.18	0.22	1.28E-07	RepC	TAGLN
RGS16.2	5.34E-12	-0.66704831	0.75	0.741	1.35E-07	RepC	RGS16
FN1.2	1.75E-11	-0.54071436	1	0.999	4.41E-07	RepC	FN1
GEM.1	2.30E-11	-0.37182334	0.83	0.794	5.80E-07	RepC	GEM
PHLDA2.1	5.60E-11	-0.28948793	0.57	0.575	1.41E-06	RepC	PHLDA2
ATF3.2	1.69E-10	-0.32616866	0.589	0.587	4.26E-06	RepC	ATF3
HSPA6	3.53E-10	0.435272733	0.119	0.086	8.90E-06	RepC	HSPA6
RASD1.2	2.63E-09	-0.57880849	0.663	0.637	6.63E-05	RepC	RASD1
SPP1.2	4.94E-09	-2.03227445	0.363	0.379	0.000124	RepC	SPP1
MT1A.1	3.75E-08	-0.27292674	0.4	0.419	0.000945	RepC	MT1A
HSPA1B	3.79E-08	0.324882102	0.707	0.679	0.000956	RepC	HSPA1B
HTRA1.2	5.73E-08	-1.11696988	0.87	0.817	0.001444	RepC	HTRA1
MMP3.2	2.75E-07	-0.97827769	0.568	0.558	0.006939	RepC	MMP3
RND1.1	2.78E-07	-0.26687733	0.181	0.211	0.007005	RepC	RND1
S100A4.2	9.59E-07	-0.47240142	0.677	0.607	0.02415	RepC	S100A4
HSPA1A	1.42E-06	0.35331756	0.817	0.79	0.035795	RepC	HSPA1A
PRG4.2	5.18E-06	-0.84757712	0.427	0.38	0.130461	RepC	PRG4
FOSB.1	4.88E-05	-0.31340427	0.869	0.85	1	RepC	FOSB
ISLR.2	6.91E-05	-0.2789714	0.808	0.746	1	RepC	ISLR
APOD.1	0.000803	-0.65140792	0.838	0.749	1	RepC	APOD
TMSB10	0.001047	-0.41959102	0.823	0.78	1	RepC	TMSB10
TGFBI.2	0.001979	-0.68754617	0.408	0.385	1	RepC	TGFBI
THY1.2	0.002091	-0.38421602	0.229	0.231	1	RepC	THY1
CHI3L1.3	0	1.764969322	0.95	0.771	0	RegC	CHI3L1
CHI3L2.3	0	1.430762347	0.973	0.873	0	RegC	CHI3L2
SERF2.1	0	-0.54170302	0.994	0.999	0	RegC	SERF2
SCRG1.3	0	-1.26253341	0.995	0.994	0	RegC	SCRG1
SPARC.1	0	-1.70436827	0.905	0.983	0	RegC	SPARC
NNMT.2	7.94E-308	0.771795483	0.995	0.958	2.00E-303	RegC	NNMT
VKORC1.1	6.64E-298	-0.6606459	0.882	0.973	1.67E-293	RegC	VKORC1
IFITM3.3	3.44E-290	0.612316532	0.99	0.97	8.68E-286	RegC	IFITM3
SSR4.1	8.66E-288	-0.67739663	0.898	0.977	2.18E-283	RegC	SSR4
NUCB2.1	4.15E-284	-0.7090351	0.737	0.924	1.05E-279	RegC	NUCB2
TSPO.1	5.45E-280	-0.64072091	0.847	0.963	1.37E-275	RegC	TSPO
SERPINA5.3	2.72E-279	-1.02905222	0.671	0.864	6.86E-275	RegC	SERPINA5
IFITM2.3	5.57E-276	0.743407498	0.93	0.822	1.40E-271	RegC	IFITM2
SLC25A37.2	4.14E-261	0.96396428	0.895	0.806	1.04E-256	RegC	SLC25A37
CLEC3A.3	4.10E-260	-2.03579484	0.533	0.772	1.03E-255	RegC	CLEC3A

FGFBP2.1	9.45E-257	-1.63544744	0.937	0.963	2.38E-252	RegC	FGFBP2
S100A1.2	9.90E-256	-0.9728759	0.846	0.9	2.50E-251	RegC	S100A1
CHAD.3	3.19E-255	-1.26672463	0.762	0.879	8.03E-251	RegC	CHAD
C2orf82.3	1.34E-250	-1.3490344	0.953	0.947	3.37E-246	RegC	C2orf82
PCOLCE2.2	3.81E-245	-0.68247293	0.94	0.978	9.61E-241	RegC	PCOLCE2
COL9A2.2	3.99E-243	-0.99130039	0.421	0.723	1.01E-238	RegC	COL9A2
CLU.3	5.48E-240	0.589191006	1	1	1.38E-235	RegC	CLU
FXYD1.2	1.70E-236	-0.8712711	0.476	0.774	4.30E-232	RegC	FXYD1
MIA.1	6.47E-232	-0.84085435	0.955	0.961	1.63E-227	RegC	MIA
CRISPLD1.2	1.10E-228	-1.50622596	0.2	0.541	2.76E-224	RegC	CRISPLD1
PRDX4.1	3.18E-222	-0.59937755	0.784	0.936	8.01E-218	RegC	PRDX4
CYTL1.3	8.05E-222	-1.88253401	0.799	0.906	2.03E-217	RegC	CYTL1
LECT1.3	6.29E-211	-1.26915683	0.194	0.509	1.59E-206	RegC	LECT1
CD99.1	2.83E-207	-0.54054228	0.923	0.979	7.14E-203	RegC	CD99
IGFBP7.1	1.00E-206	-1.1493481	0.324	0.619	2.53E-202	RegC	IGFBP7
MALAT1.1	2.61E-197	0.48506223	1	1	6.56E-193	RegC	MALAT1
S100A13.2	2.92E-191	-0.51392013	0.946	0.98	7.36E-187	RegC	S100A13
FXYD6.1	4.32E-185	-0.58665599	0.719	0.891	1.09E-180	RegC	FXYD6
PLD3.1	1.40E-183	-0.5015416	0.737	0.911	3.54E-179	RegC	PLD3
BTG1.2	4.65E-182	0.768049648	0.952	0.929	1.17E-177	RegC	BTG1
RPL13.1	2.28E-178	0.282241205	1	1	5.74E-174	RegC	RPL13
RPS6.1	2.75E-175	0.255889083	1	1	6.92E-171	RegC	RPS6
SPINT2.2	7.32E-175	-0.66948123	0.849	0.91	1.84E-170	RegC	SPINT2
FMOD.1	5.11E-174	-0.50169363	0.991	0.994	1.29E-169	RegC	FMOD
RPL15.1	2.65E-171	0.267181078	1	1	6.67E-167	RegC	RPL15
TMED10.1	4.37E-169	-0.46105756	0.793	0.928	1.10E-164	RegC	TMED10
PDPN.1	1.67E-167	-0.97948431	0.582	0.788	4.20E-163	RegC	PDPN
KDEL3.1	6.38E-167	-0.48852721	0.338	0.637	1.61E-162	RegC	KDEL3
ITM2B.2	2.46E-164	-0.38895341	0.996	0.999	6.21E-160	RegC	ITM2B
PLAC9.1	2.00E-162	-0.7783157	0.939	0.975	5.03E-158	RegC	PLAC9
ITM2A.2	2.31E-162	-0.73442976	0.481	0.722	5.83E-158	RegC	ITM2A
TIMP1.2	4.60E-159	-0.29412443	0.977	0.997	1.16E-154	RegC	TIMP1
CST3.3	1.82E-158	-0.66303155	0.989	0.998	4.58E-154	RegC	CST3
RPL7.1	2.31E-155	0.274935004	1	1	5.81E-151	RegC	RPL7
OSMR.2	2.41E-155	0.612876834	0.723	0.584	6.06E-151	RegC	OSMR
PPIC.2	2.12E-153	-0.60149347	0.549	0.763	5.35E-149	RegC	PPIC
GLIPR1.1	3.95E-153	-0.51349215	0.394	0.675	9.96E-149	RegC	GLIPR1
COL2A1.2	1.99E-152	-1.63440881	0.846	0.941	5.01E-148	RegC	COL2A1
CILP.2	3.19E-151	-0.79644864	0.784	0.925	8.05E-147	RegC	CILP
EMP3.1	2.87E-147	-0.57501125	0.814	0.938	7.24E-143	RegC	EMP3
MST4.2	4.41E-147	-0.49844876	0.326	0.607	1.11E-142	RegC	MST4
IGFBP6.3	2.69E-146	-1.02921581	0.484	0.725	6.77E-142	RegC	IGFBP6
SOD2.2	8.65E-146	1.050504902	0.883	0.855	2.18E-141	RegC	SOD2
TSPAN13.1	1.06E-142	-0.56265331	0.112	0.371	2.66E-138	RegC	TSPAN13
FKBP10.1	2.70E-142	-0.43454487	0.697	0.883	6.81E-138	RegC	FKBP10
COL5A2.3	1.31E-141	-0.68880263	0.441	0.682	3.30E-137	RegC	COL5A2
STK38L.2	4.50E-141	-0.55382033	0.452	0.705	1.14E-136	RegC	STK38L
MMP3.3	1.47E-140	1.703213473	0.687	0.545	3.71E-136	RegC	MMP3
RPL9	4.04E-140	0.251007767	1	1	1.02E-135	RegC	RPL9
COL11A2.2	7.09E-140	-0.57892189	0.574	0.769	1.79E-135	RegC	COL11A2
TIMP3.2	1.78E-139	-0.84472524	0.312	0.586	4.50E-135	RegC	TIMP3
PKM.1	2.67E-139	-0.39525589	0.97	0.992	6.73E-135	RegC	PKM
TF.2	1.74E-138	-1.51458419	0.311	0.556	4.38E-134	RegC	TF
TPM4.1	3.23E-138	-0.54408024	0.412	0.677	8.15E-134	RegC	TPM4
NDUFA4L2	4.80E-138	-0.31506589	1	0.998	1.21E-133	RegC	NDUFA4L2
GBP2.2	1.18E-136	0.578189624	0.63	0.456	2.98E-132	RegC	GBP2
PPIB	9.86E-135	-0.39299825	0.906	0.969	2.49E-130	RegC	PPIB
MYL6	2.70E-134	-0.42372506	0.958	0.989	6.79E-130	RegC	MYL6
INSIG1.2	4.55E-134	-0.61843599	0.261	0.525	1.15E-129	RegC	INSIG1
RABAC1.1	1.96E-133	-0.40388034	0.898	0.969	4.95E-129	RegC	RABAC1

CD63.2	2.77E-133	-0.36499058	0.994	0.998	6.99E-129	RegC	CD63
EFEMP1.2	4.76E-129	0.512078577	0.721	0.556	1.20E-124	RegC	EFEMP1
TNFRSF11B.3	7.87E-129	-1.0412316	0.616	0.816	1.98E-124	RegC	TNFRSF11B
TMEM258	4.74E-127	-0.33545037	0.9	0.973	1.20E-122	RegC	TMEM258
PHOSPHO1.1	1.54E-126	-0.40007466	0.025	0.235	3.87E-122	RegC	PHOSPHO1
TMEM59.1	7.70E-126	-0.35936909	0.961	0.986	1.94E-121	RegC	TMEM59
C1orf122	7.62E-124	-0.37931099	0.464	0.718	1.92E-119	RegC	C1orf122
LTBP1.1	6.56E-122	-0.38980146	0.166	0.417	1.65E-117	RegC	LTBP1
RPS2.1	1.13E-121	0.268511486	1	1	2.85E-117	RegC	RPS2
IVNS1ABP.1	1.90E-121	-0.47601397	0.531	0.771	4.78E-117	RegC	IVNS1ABP
SAA1.2	1.93E-121	1.385109718	0.219	0.081	4.86E-117	RegC	SAA1
HNRNPA1.1	4.87E-121	0.322388612	1	0.997	1.23E-116	RegC	HNRNPA1
MT2A.2	6.51E-121	0.556475989	1	0.998	1.64E-116	RegC	MT2A
MFI2.1	7.04E-121	-0.4039856	0.338	0.597	1.77E-116	RegC	MFI2
TMED3	3.02E-119	-0.3618992	0.489	0.735	7.61E-115	RegC	TMED3
SH3BGRL3.1	4.80E-119	-0.51327272	0.912	0.974	1.21E-114	RegC	SH3BGRL3
NTAN1.1	8.56E-119	-0.35005681	0.177	0.428	2.16E-114	RegC	NTAN1
CHPF	2.29E-118	-0.41257731	0.464	0.705	5.76E-114	RegC	CHPF
NGFRAP1.1	5.82E-116	-0.40578537	0.777	0.914	1.47E-111	RegC	NGFRAP1
EXTL1.1	2.40E-115	-0.2870461	0.046	0.257	6.06E-111	RegC	EXTL1
PYCR1	6.64E-115	-0.33648957	0.28	0.543	1.67E-110	RegC	PYCR1
EIF1.1	5.92E-114	0.273589789	1	1	1.49E-109	RegC	EIF1
CHRDL2.2	1.70E-113	-1.10461492	0.073	0.283	4.27E-109	RegC	CHRDL2
CRYAB.2	2.39E-113	-0.61912045	0.635	0.843	6.01E-109	RegC	CRYAB
HSPB6.1	5.94E-113	-0.33964647	0.198	0.452	1.50E-108	RegC	HSPB6
SERTAD4.1	7.04E-113	-0.4014157	0.221	0.474	1.77E-108	RegC	SERTAD4
COL9A3.2	1.44E-112	-0.65746745	0.863	0.903	3.62E-108	RegC	COL9A3
FCGRT.1	4.48E-112	-0.40148443	0.61	0.817	1.13E-107	RegC	FCGRT
GSN.1	1.78E-111	-0.40705603	0.851	0.944	4.48E-107	RegC	GSN
COL11A1.1	2.53E-111	-0.58003145	0.661	0.819	6.38E-107	RegC	COL11A1
MDFI.2	5.08E-111	-0.5422639	0.53	0.725	1.28E-106	RegC	MDFI
C19orf10.1	1.40E-110	-0.3773264	0.819	0.931	3.52E-106	RegC	C19orf10
CAPG.1	3.89E-110	-0.39438491	0.382	0.636	9.80E-106	RegC	CAPG
DSTN	4.41E-110	-0.32696191	0.982	0.994	1.11E-105	RegC	DSTN
PDIA6	5.45E-110	-0.37573495	0.769	0.916	1.37E-105	RegC	PDIA6
RPN2.1	6.15E-110	-0.38458515	0.659	0.848	1.55E-105	RegC	RPN2
STEAP4.3	1.31E-109	0.491398184	0.227	0.088	3.31E-105	RegC	STEAP4
AK1.2	1.85E-109	-0.43294551	0.71	0.88	4.66E-105	RegC	AK1
FGFR1.1	4.24E-109	-0.4739745	0.508	0.736	1.07E-104	RegC	FGFR1
P4HB.1	4.46E-109	-0.36048433	0.916	0.979	1.12E-104	RegC	P4HB
PDIA3	5.18E-109	-0.36781141	0.881	0.966	1.31E-104	RegC	PDIA3
HSP90B1	1.25E-108	-0.36512124	0.909	0.978	3.14E-104	RegC	HSP90B1
TSPAN6.1	1.25E-108	-0.4071776	0.534	0.744	3.15E-104	RegC	TSPAN6
TTC3	1.32E-107	-0.35195648	0.639	0.84	3.33E-103	RegC	TTC3
WIF1.2	2.67E-107	-0.54237938	0.063	0.264	6.72E-103	RegC	WIF1
S100A6.1	5.28E-107	-0.54953154	0.998	1	1.33E-102	RegC	S100A6
HAPLN1.2	6.45E-107	-0.72320183	0.945	0.951	1.63E-102	RegC	HAPLN1
BSG.1	2.93E-105	-0.34261072	0.748	0.901	7.39E-101	RegC	BSG
WISP3	4.05E-105	-0.38541747	0.439	0.67	1.02E-100	RegC	WISP3
LGALS1.1	7.15E-105	-0.77005527	0.815	0.939	1.80E-100	RegC	LGALS1
CHID1.1	8.50E-105	-0.3521251	0.481	0.718	2.14E-100	RegC	CHID1
DAP.1	2.10E-104	-0.33891085	0.484	0.725	5.30E-100	RegC	DAP
LDLRAD4.2	1.58E-103	-0.42334045	0.398	0.64	3.97E-99	RegC	LDLRAD4
MRPS6.1	5.50E-103	-0.4411546	0.489	0.711	1.38E-98	RegC	MRPS6
CPE.1	7.05E-103	-0.43532556	0.164	0.386	1.78E-98	RegC	CPE
LDLR.1	1.35E-102	-0.37872584	0.185	0.419	3.41E-98	RegC	LDLR
MT1X.1	1.46E-102	0.610599997	0.995	0.993	3.68E-98	RegC	MT1X
CD9	3.40E-102	-0.5057807	0.888	0.962	8.57E-98	RegC	CD9
C4BPA	1.55E-101	0.432283571	0.23	0.096	3.90E-97	RegC	C4BPA
P4HA2.1	6.60E-101	-0.36574056	0.446	0.686	1.66E-96	RegC	P4HA2

MSMO1.1	1.75E-100	-0.42616633	0.176	0.405	4.41E-96	RegC	MSMO1
ACTG1.2	8.84E-99	-0.50052523	0.989	0.995	2.23E-94	RegC	ACTG1
H1F0.1	1.45E-98	-0.38891228	0.27	0.516	3.65E-94	RegC	H1F0
SERPINI1.1	1.38E-97	-0.39818214	0.174	0.399	3.48E-93	RegC	SERPINI1
DKK1.2	5.00E-97	-0.60152112	0.028	0.201	1.26E-92	RegC	DKK1
SLC29A1.1	1.60E-96	-0.46416968	0.645	0.816	4.04E-92	RegC	SLC29A1
CD81	2.61E-95	-0.35905175	0.361	0.604	6.58E-91	RegC	CD81
TTLL7.2	1.67E-94	-0.32317527	0.182	0.407	4.21E-90	RegC	TTLL7
SLC26A4	1.67E-94	0.264323011	0.194	0.075	4.21E-90	RegC	SLC26A4
COL6A2.2	1.74E-94	-0.66301553	0.756	0.902	4.38E-90	RegC	COL6A2
SPTSSB.1	2.43E-94	-0.35438165	0.037	0.211	6.13E-90	RegC	SPTSSB
CKB.1	7.58E-94	-0.39749391	0.163	0.383	1.91E-89	RegC	CKB
CNPY2.1	1.26E-93	-0.33462461	0.673	0.844	3.16E-89	RegC	CNPY2
NDUFA1.1	2.69E-93	-0.31265195	0.865	0.95	6.78E-89	RegC	NDUFA1
CDA.1	3.20E-93	-0.32951861	0.162	0.378	8.05E-89	RegC	CDA
SDC2.2	3.55E-93	-0.37367484	0.919	0.964	8.95E-89	RegC	SDC2
RAMP1.2	7.20E-93	-0.47123184	0.09	0.285	1.81E-88	RegC	RAMP1
SGK1.1	1.13E-92	-0.45693271	0.277	0.506	2.84E-88	RegC	SGK1
EFEMP2.1	4.07E-92	-0.32598316	0.52	0.74	1.03E-87	RegC	EFEMP2
MAGED1.1	6.47E-92	-0.30841787	0.421	0.663	1.63E-87	RegC	MAGED1
CD59.1	3.83E-91	-0.36807045	0.875	0.951	9.66E-87	RegC	CD59
S100B.2	7.62E-91	-0.5158649	0.941	0.93	1.92E-86	RegC	S100B
PCOLCE.3	1.64E-90	-0.50304256	0.674	0.847	4.14E-86	RegC	PCOLCE
RARG	4.00E-90	-0.3096773	0.369	0.606	1.01E-85	RegC	RARG
ZFAS1	1.27E-89	0.339366125	0.98	0.976	3.20E-85	RegC	ZFAS1
SRPX2.2	2.06E-89	-0.40487877	0.368	0.597	5.18E-85	RegC	SRPX2
SNHG8.1	4.43E-89	0.41471331	0.944	0.928	1.12E-84	RegC	SNHG8
GDF10.2	9.44E-89	-0.6202168	0.468	0.657	2.38E-84	RegC	GDF10
HMGCS1.1	1.79E-88	-0.59285853	0.214	0.425	4.51E-84	RegC	HMGCS1
DUSP1.2	2.33E-88	-0.52071634	0.614	0.793	5.88E-84	RegC	DUSP1
C2orf40.1	4.10E-88	-0.86428206	1	0.999	1.03E-83	RegC	C2orf40
RCN3.1	4.84E-88	-0.33556762	0.739	0.886	1.22E-83	RegC	RCN3
S100A4.3	4.84E-88	-1.23532562	0.438	0.635	1.22E-83	RegC	S100A4
CTSF	5.34E-88	-0.27771674	0.348	0.596	1.35E-83	RegC	CTSF
OST4	3.38E-87	-0.26248666	0.958	0.986	8.52E-83	RegC	OST4
FKBP2.1	5.34E-87	-0.3314726	0.678	0.856	1.35E-82	RegC	FKBP2
FXYD5.2	8.53E-87	-0.3389205	0.856	0.954	2.15E-82	RegC	FXYD5
PLOD1	1.00E-86	-0.29141206	0.352	0.584	2.52E-82	RegC	PLOD1
CTHRC1.2	2.22E-84	-0.69691929	0.381	0.57	5.60E-80	RegC	CTHRC1
PFKP.1	3.48E-84	-0.3350642	0.491	0.714	8.77E-80	RegC	PFKP
TMSB10.1	9.71E-84	-0.60038007	0.607	0.805	2.45E-79	RegC	TMSB10
PAM	7.59E-83	-0.32093266	0.626	0.813	1.91E-78	RegC	PAM
SLC22A17.1	7.77E-83	-0.27899998	0.345	0.573	1.96E-78	RegC	SLC22A17
PDE4DIP.1	1.60E-82	-0.29370326	0.476	0.708	4.04E-78	RegC	PDE4DIP
DDX5.1	5.47E-82	0.447691987	0.985	0.989	1.38E-77	RegC	DDX5
NTRK2.2	7.09E-82	-0.30639445	0.223	0.436	1.79E-77	RegC	NTRK2
GLTSCR2	9.60E-82	0.300775055	0.966	0.967	2.42E-77	RegC	GLTSCR2
RHOB.2	5.52E-81	-0.45476981	0.626	0.805	1.39E-76	RegC	RHOB
COL3A1.3	9.83E-81	-1.36374169	0.65	0.795	2.48E-76	RegC	COL3A1
ITGA10	1.34E-80	0.377802071	0.905	0.887	3.38E-76	RegC	ITGA10
TUBB2B.2	1.64E-80	-0.48746372	0.46	0.647	4.14E-76	RegC	TUBB2B
TRPV4.2	2.20E-80	-0.33901909	0.518	0.724	5.53E-76	RegC	TRPV4
SQLE	3.74E-80	-0.25153944	0.15	0.35	9.43E-76	RegC	SQLE
CYB5R3	4.93E-80	-0.29314543	0.828	0.93	1.24E-75	RegC	CYB5R3
PIK3R1.1	1.01E-79	0.672687634	0.495	0.374	2.55E-75	RegC	PIK3R1
IFI6.1	1.21E-79	-0.29185079	0.283	0.514	3.06E-75	RegC	IFI6
ATOX1	1.62E-79	-0.28860405	0.511	0.722	4.09E-75	RegC	ATOX1
PRSS23.2	2.64E-79	-0.58054445	0.119	0.296	6.65E-75	RegC	PRSS23
EIF4A1.1	2.82E-79	0.429690013	0.959	0.958	7.11E-75	RegC	EIF4A1
PIGT	9.01E-79	-0.27492306	0.484	0.715	2.27E-74	RegC	PIGT

ATRAID.1	1.40E-78	-0.29566839	0.799	0.916	3.54E-74	RegC	ATRAID
TAGLN.2	3.59E-78	-0.95346945	0.068	0.231	9.03E-74	RegC	TAGLN
CSPG4	4.01E-78	-0.29428934	0.311	0.528	1.01E-73	RegC	CSPG4
LOXL2.2	4.21E-78	-0.33087374	0.11	0.284	1.06E-73	RegC	LOXL2
SEC61G	5.28E-78	-0.29330004	0.923	0.973	1.33E-73	RegC	SEC61G
EGR3.1	6.98E-78	-0.35091367	0.098	0.273	1.76E-73	RegC	EGR3
COPZ2	8.03E-78	-0.25775228	0.384	0.613	2.02E-73	RegC	COPZ2
ACTB.3	1.69E-77	-0.44313333	0.995	0.998	4.26E-73	RegC	ACTB
FAM162A.1	7.57E-77	-0.32354328	0.738	0.889	1.91E-72	RegC	FAM162A
HEXB.1	2.01E-76	-0.31653066	0.52	0.719	5.07E-72	RegC	HEXB
SLC39A14.3	2.32E-76	0.415204547	0.784	0.745	5.84E-72	RegC	SLC39A14
TCEB2	3.93E-76	-0.277533	0.871	0.946	9.89E-72	RegC	TCEB2
P4HA1.1	5.41E-76	-0.29875918	0.685	0.845	1.36E-71	RegC	P4HA1
CAV1	6.79E-76	-0.37680704	0.608	0.793	1.71E-71	RegC	CAV1
SERTAD4-AS1.1	1.47E-75	-0.31403685	0.444	0.671	3.72E-71	RegC	SERTAD4-AS1
SLC44A2.1	1.64E-75	-0.25529281	0.26	0.481	4.14E-71	RegC	SLC44A2
RCN1	1.79E-75	-0.28554239	0.48	0.695	4.52E-71	RegC	RCN1
EGR2.1	2.00E-75	-0.32258525	0.132	0.312	5.05E-71	RegC	EGR2
OSTC.3	2.44E-75	-0.32986967	0.704	0.859	6.14E-71	RegC	OSTC
CILP2.2	4.78E-75	-0.59882936	0.629	0.78	1.21E-70	RegC	CILP2
PGAM1	1.12E-74	-0.30537278	0.85	0.941	2.83E-70	RegC	PGAM1
FBXO2.3	3.33E-74	-0.35108282	0.799	0.878	8.38E-70	RegC	FBXO2
MT1M.2	6.35E-74	0.585681502	0.863	0.815	1.60E-69	RegC	MT1M
COL6A1.2	1.02E-73	-0.70634219	0.708	0.853	2.56E-69	RegC	COL6A1
CRIP2	8.85E-72	-0.34391261	0.608	0.803	2.23E-67	RegC	CRIP2
MAFB.1	1.07E-71	0.488797224	0.425	0.28	2.69E-67	RegC	MAFB
YIF1A	1.24E-71	-0.27328945	0.488	0.697	3.14E-67	RegC	YIF1A
TMED9	2.00E-71	-0.25283174	0.876	0.954	5.03E-67	RegC	TMED9
SERPINA1.2	1.14E-70	-0.51515977	0.98	0.966	2.87E-66	RegC	SERPINA1
KRT10	1.82E-70	-0.30113351	0.716	0.855	4.58E-66	RegC	KRT10
ANKH.1	2.25E-70	-0.39058472	0.577	0.758	5.66E-66	RegC	ANKH
IER2.3	1.10E-69	-0.83200735	0.785	0.879	2.76E-65	RegC	IER2
PTN.1	1.11E-69	-0.3055145	0.086	0.247	2.80E-65	RegC	PTN
TBCB.1	1.15E-69	-0.29745916	0.545	0.729	2.89E-65	RegC	TBCB
LRPAP1.1	2.21E-69	-0.28707934	0.656	0.831	5.56E-65	RegC	LRPAP1
STC2.2	2.71E-69	-0.52006099	0.264	0.456	6.84E-65	RegC	STC2
CALM1.1	4.20E-69	-0.32071379	0.874	0.952	1.06E-64	RegC	CALM1
HSPB1.2	2.62E-68	-0.46401282	0.873	0.955	6.61E-64	RegC	HSPB1
NDUFB7	4.24E-68	-0.26514519	0.678	0.854	1.07E-63	RegC	NDUFB7
PHPT1	9.53E-68	-0.27164571	0.604	0.798	2.40E-63	RegC	PHPT1
SEC61B	3.55E-67	-0.26287546	0.865	0.954	8.95E-63	RegC	SEC61B
EIF3E.1	1.60E-66	0.258732262	0.975	0.974	4.03E-62	RegC	EIF3E
HDLBP	8.21E-66	-0.2583117	0.615	0.802	2.07E-61	RegC	HDLBP
AP3S1.1	1.36E-65	-0.29357265	0.752	0.881	3.42E-61	RegC	AP3S1
TSPAN3.1	2.02E-65	-0.25322168	0.462	0.674	5.08E-61	RegC	TSPAN3
SPOCK1	2.32E-65	0.339070892	0.365	0.242	5.83E-61	RegC	SPOCK1
ITM2C.2	2.57E-65	-0.37205198	0.91	0.945	6.49E-61	RegC	ITM2C
ERGIC3	2.87E-65	-0.26517819	0.673	0.839	7.24E-61	RegC	ERGIC3
MT1E.1	3.17E-65	0.368338664	0.993	0.991	7.98E-61	RegC	MT1E
CYSTM1.2	4.94E-65	-0.30358323	0.475	0.671	1.24E-60	RegC	CYSTM1
PAPSS2.1	1.45E-64	-0.3121896	0.644	0.8	3.65E-60	RegC	PAPSS2
SLC26A2	2.15E-64	-0.27365059	0.26	0.453	5.42E-60	RegC	SLC26A2
COX7A1	2.17E-64	-0.27512579	0.739	0.881	5.47E-60	RegC	COX7A1
GAPDH.2	2.84E-64	-0.25701942	1	1	7.17E-60	RegC	GAPDH
PLSCR1.1	3.64E-64	0.393948984	0.476	0.365	9.18E-60	RegC	PLSCR1
GALNT15.2	4.05E-64	0.402361381	0.601	0.495	1.02E-59	RegC	GALNT15
COL5A1.3	1.24E-63	-0.49712054	0.378	0.547	3.11E-59	RegC	COL5A1
GLRX.3	1.58E-63	0.716077945	0.561	0.473	3.98E-59	RegC	GLRX
QSOX1	1.86E-63	-0.28701745	0.644	0.811	4.68E-59	RegC	QSOX1
GNAS	3.82E-63	-0.26930602	0.609	0.793	9.62E-59	RegC	GNAS

C1R.3	5.12E-62	0.252440766	0.739	0.667	1.29E-57	RegC	C1R
MRC2.1	8.80E-62	-0.26900903	0.36	0.56	2.22E-57	RegC	MRC2
SERPINE1.1	1.13E-61	-0.48341065	0.265	0.436	2.85E-57	RegC	SERPINE1
SSR2.1	2.20E-61	-0.25298746	0.818	0.918	5.53E-57	RegC	SSR2
PID1.2	2.63E-60	-0.26203306	0.468	0.673	6.63E-56	RegC	PID1
GRN.1	3.12E-60	-0.2783058	0.514	0.702	7.86E-56	RegC	GRN
EDIL3.1	1.03E-59	-0.33648387	0.622	0.783	2.59E-55	RegC	EDIL3
HCFC1R1.2	2.07E-59	-0.30648614	0.464	0.653	5.21E-55	RegC	HCFC1R1
SERPINH1.1	2.70E-59	-0.30515369	0.424	0.618	6.81E-55	RegC	SERPINH1
IGF2.2	3.28E-59	-0.3345841	0.157	0.324	8.27E-55	RegC	IGF2
COL10A1.3	1.29E-58	-1.62431306	0.046	0.169	3.25E-54	RegC	COL10A1
IDI1.1	2.09E-58	-0.35608599	0.425	0.607	5.27E-54	RegC	IDI1
S100A10.2	4.32E-58	-0.38470916	0.979	0.996	1.09E-53	RegC	S100A10
TPM2.1	6.61E-58	-0.33158764	0.693	0.845	1.66E-53	RegC	TPM2
COL6A3.2	8.97E-58	-0.62754324	0.401	0.586	2.26E-53	RegC	COL6A3
TSPAN2.2	2.82E-57	-0.3277631	0.542	0.731	7.11E-53	RegC	TSPAN2
KLF6.2	9.07E-57	-0.32080024	0.617	0.788	2.29E-52	RegC	KLF6
BHLHE41.1	1.31E-56	-0.31027145	0.437	0.62	3.31E-52	RegC	BHLHE41
VCAN.2	5.46E-56	-0.37754248	0.137	0.286	1.38E-51	RegC	VCAN
AEBP1.2	7.36E-56	0.422181799	0.855	0.846	1.85E-51	RegC	AEBP1
MATN3.3	1.37E-55	-0.61078094	0.424	0.571	3.46E-51	RegC	MATN3
MYL12A.1	2.20E-55	-0.2856672	0.703	0.853	5.55E-51	RegC	MYL12A
COL9A1.3	3.02E-55	-0.40288188	0.113	0.257	7.61E-51	RegC	COL9A1
CFH.2	3.27E-54	0.508775576	0.964	0.945	8.24E-50	RegC	CFH
GREM1.3	1.03E-53	-0.56196219	0.131	0.271	2.60E-49	RegC	GREM1
ATP5E.1	2.84E-53	-0.2930355	0.909	0.962	7.17E-49	RegC	ATP5E
ISLR.3	7.72E-53	-0.41384629	0.614	0.769	1.94E-48	RegC	ISLR
LBH.1	1.35E-52	0.43241351	0.571	0.478	3.40E-48	RegC	LBH
ANK3.2	1.76E-52	0.378884832	0.45	0.341	4.45E-48	RegC	ANK3
RPL17.1	2.00E-51	0.254666164	0.899	0.911	5.05E-47	RegC	RPL17
CSRP1.1	2.29E-51	-0.25648686	0.505	0.692	5.77E-47	RegC	CSRP1
ANGPTL2.1	9.76E-51	-0.26829639	0.791	0.913	2.46E-46	RegC	ANGPTL2
ITGB1.1	2.22E-50	-0.26905982	0.654	0.805	5.60E-46	RegC	ITGB1
CAPS.1	3.27E-50	-0.26982565	0.252	0.413	8.23E-46	RegC	CAPS
HLA-E.1	4.63E-50	0.328916226	0.854	0.845	1.17E-45	RegC	HLA-E
SERPINE2.1	6.12E-50	-0.41046913	0.463	0.633	1.54E-45	RegC	SERPINE2
FOS.2	4.74E-49	-0.44546929	0.962	0.981	1.19E-44	RegC	FOS
RSL24D1.1	2.13E-48	0.266071771	0.878	0.887	5.38E-44	RegC	RSL24D1
SERTAD1.1	8.20E-48	0.441579767	0.838	0.826	2.07E-43	RegC	SERTAD1
CD151.1	2.03E-47	-0.32518747	0.717	0.853	5.12E-43	RegC	CD151
RAB38	1.76E-46	0.26553966	0.231	0.136	4.43E-42	RegC	RAB38
WWP2.2	1.55E-45	-0.35804081	0.757	0.846	3.91E-41	RegC	WWP2
IRF1.2	3.02E-45	0.562999939	0.577	0.499	7.62E-41	RegC	IRF1
CYR61.3	6.09E-45	-0.4832174	0.894	0.946	1.53E-40	RegC	CYR61
MEF2C.1	1.06E-44	-0.26406856	0.293	0.458	2.67E-40	RegC	MEF2C
PRELP.1	1.14E-44	-0.35026689	0.999	0.997	2.88E-40	RegC	PRELP
SPP1.3	1.74E-44	-2.72340018	0.25	0.39	4.38E-40	RegC	SPP1
EGR1.3	2.42E-44	-0.44361712	0.857	0.922	6.10E-40	RegC	EGR1
NEAT1.2	8.95E-44	0.352559251	0.994	0.997	2.25E-39	RegC	NEAT1
SNAI2.1	2.63E-43	-0.2765855	0.443	0.607	6.62E-39	RegC	SNAI2
ENPP1	7.62E-43	-0.29295706	0.566	0.731	1.92E-38	RegC	ENPP1
KIAA0040.1	9.46E-43	0.437346689	0.671	0.647	2.38E-38	RegC	KIAA0040
ATF3.3	1.87E-42	-0.52061635	0.458	0.601	4.71E-38	RegC	ATF3
CDO1.1	6.48E-42	0.356157283	0.948	0.964	1.63E-37	RegC	CDO1
PHLDA2.2	8.18E-42	-0.39340573	0.43	0.589	2.06E-37	RegC	PHLDA2
FRZB.2	1.09E-41	-0.92987484	0.809	0.82	2.74E-37	RegC	FRZB
PLA2G2A.2	1.70E-41	0.268173434	0.998	0.989	4.29E-37	RegC	PLA2G2A
DPT.3	2.06E-41	-0.69482365	0.248	0.383	5.19E-37	RegC	DPT
MFGE8.3	2.63E-41	-0.39633695	0.904	0.949	6.64E-37	RegC	MFGE8
RHOC.2	5.44E-41	-0.26624941	0.783	0.886	1.37E-36	RegC	RHOC

APOD.2	2.36E-40	-0.34645693	0.647	0.773	5.95E-36	RegC	APOD
ARID5B.1	2.62E-40	0.378399062	0.694	0.641	6.60E-36	RegC	ARID5B
DKK3.2	1.17E-39	-0.30737301	0.297	0.441	2.96E-35	RegC	DKK3
HMOX1.1	6.47E-39	1.280170647	0.455	0.377	1.63E-34	RegC	HMOX1
RUNX1.1	8.40E-39	0.305294423	0.659	0.62	2.12E-34	RegC	RUNX1
RBP4.3	1.11E-38	-0.69688221	0.617	0.715	2.80E-34	RegC	RBP4
HEXIM1.1	1.15E-38	0.366687769	0.599	0.556	2.89E-34	RegC	HEXIM1
NDRG2.2	3.63E-38	-0.25544272	0.542	0.697	9.15E-34	RegC	NDRG2
CD44.2	5.32E-38	0.296628816	0.717	0.685	1.34E-33	RegC	CD44
CCNL1.2	7.44E-38	0.317500591	0.875	0.875	1.87E-33	RegC	CCNL1
IBSP.3	1.48E-37	-2.37493317	0.072	0.167	3.73E-33	RegC	IBSP
TNFAIP6.3	1.14E-36	-1.07817737	0.109	0.211	2.87E-32	RegC	TNFAIP6
AQP3.1	1.61E-36	-0.30425874	0.234	0.372	4.06E-32	RegC	AQP3
TPPP3.2	7.40E-36	-0.57249359	0.164	0.281	1.86E-31	RegC	TPPP3
TMEM173.1	1.16E-35	0.277730719	0.458	0.381	2.92E-31	RegC	TMEM173
FSTL1.2	1.28E-34	-0.30538731	0.535	0.68	3.24E-30	RegC	FSTL1
MT1G	2.13E-34	0.422161622	0.785	0.747	5.37E-30	RegC	MT1G
PPP1R3C.2	2.79E-34	-0.30507126	0.571	0.712	7.02E-30	RegC	PPP1R3C
RARRES2.3	8.77E-33	-0.29632337	0.25	0.376	2.21E-28	RegC	RARRES2
SERPING1.2	1.12E-32	0.32081919	0.849	0.867	2.81E-28	RegC	SERPING1
GADD45B.3	1.22E-32	0.630870657	0.908	0.922	3.06E-28	RegC	GADD45B
CTSC	1.41E-32	0.379029032	0.358	0.28	3.55E-28	RegC	CTSC
EPB41L4A-AS1	3.85E-32	0.250679123	0.801	0.809	9.70E-28	RegC	EPB41L4A-AS1
THBD.1	6.84E-32	0.289144008	0.245	0.161	1.72E-27	RegC	THBD
COL1A2.2	2.01E-31	-1.06457015	0.427	0.531	5.06E-27	RegC	COL1A2
SMOC2.3	3.33E-31	-0.28558151	0.875	0.909	8.38E-27	RegC	SMOC2
TNXB.2	5.05E-31	-0.33542574	0.212	0.332	1.27E-26	RegC	TNXB
NR1D1.2	5.63E-31	-0.2550252	0.571	0.7	1.42E-26	RegC	NR1D1
NFKBIA.3	5.64E-31	0.741071759	0.871	0.884	1.42E-26	RegC	NFKBIA
EIF5.1	1.23E-30	0.267932268	0.931	0.948	3.11E-26	RegC	EIF5
RASD1.3	1.99E-30	-0.46373892	0.541	0.651	5.01E-26	RegC	RASD1
MYC.1	1.30E-29	0.658151227	0.382	0.308	3.29E-25	RegC	MYC
TSC22D1.2	1.53E-29	0.339086559	0.983	0.974	3.86E-25	RegC	TSC22D1
ACAN.2	3.77E-29	-0.28664254	0.983	0.967	9.50E-25	RegC	ACAN
MAF	9.70E-29	0.261935445	0.345	0.27	2.44E-24	RegC	MAF
MT1H.1	1.07E-28	0.641840302	0.337	0.26	2.70E-24	RegC	MT1H
GAS1.3	1.26E-28	-0.30364685	0.322	0.436	3.17E-24	RegC	GAS1
ERRFI1.1	1.60E-28	0.398931698	0.797	0.784	4.03E-24	RegC	ERRFI1
CRLF1.3	2.17E-28	-0.42278697	0.158	0.254	5.46E-24	RegC	CRLF1
ANGPTL4.2	2.53E-27	0.640658243	0.663	0.62	6.38E-23	RegC	ANGPTL4
CALD1.2	2.16E-26	-0.28101465	0.666	0.796	5.45E-22	RegC	CALD1
IER3.3	1.34E-25	0.87715698	0.863	0.871	3.37E-21	RegC	IER3
FAM134B.2	4.02E-25	0.27661109	0.504	0.452	1.01E-20	RegC	FAM134B
PPP1R15A.3	1.37E-24	0.451833479	0.738	0.751	3.44E-20	RegC	PPP1R15A
NAMPT.1	2.58E-24	0.355937925	0.489	0.448	6.49E-20	RegC	NAMPT
MT1A.2	2.71E-24	0.47520164	0.464	0.411	6.82E-20	RegC	MT1A
NR4A1.3	2.75E-24	-0.29125896	0.483	0.605	6.94E-20	RegC	NR4A1
PNRC1.2	5.75E-24	0.290597995	0.779	0.777	1.45E-19	RegC	PNRC1
ICAM1.3	1.23E-23	0.461466028	0.547	0.512	3.09E-19	RegC	ICAM1
PRG4.3	2.67E-23	-2.10341371	0.297	0.395	6.72E-19	RegC	PRG4
AMD1	4.52E-23	0.263614016	0.608	0.607	1.14E-18	RegC	AMD1
JUN.1	5.95E-23	-0.45361111	0.887	0.93	1.50E-18	RegC	JUN
FN1.3	1.15E-22	-0.43705561	0.998	0.999	2.90E-18	RegC	FN1
THY1.3	3.86E-22	-0.3228821	0.155	0.239	9.72E-18	RegC	THY1
TUBB4B	9.82E-22	0.360535113	0.831	0.852	2.47E-17	RegC	TUBB4B
NDRG1.1	5.64E-21	0.255176495	0.65	0.656	1.42E-16	RegC	NDRG1
BIRC3.1	7.26E-21	0.587316848	0.138	0.085	1.83E-16	RegC	BIRC3
MT1F	8.50E-21	0.284692498	0.697	0.685	2.14E-16	RegC	MT1F
HMGB2	1.31E-20	0.30558288	0.563	0.55	3.31E-16	RegC	HMGB2
ELF3	2.59E-20	0.258354512	0.147	0.092	6.52E-16	RegC	ELF3

AQP1.3	7.57E-20	-0.37300474	0.053	0.112	1.91E-15	RegC	AQP1
ARID5A	3.00E-19	0.278270341	0.499	0.462	7.55E-15	RegC	ARID5A
BAZ1A	4.07E-19	0.282569386	0.421	0.384	1.02E-14	RegC	BAZ1A
CTGF.2	8.42E-19	0.253956082	0.973	0.983	2.12E-14	RegC	CTGF
DNAJA1.1	1.20E-18	0.254743156	0.759	0.777	3.02E-14	RegC	DNAJA1
CDKN1A.2	1.56E-18	0.257807647	0.829	0.838	3.93E-14	RegC	CDKN1A
ELL2	2.86E-18	0.255942631	0.568	0.554	7.20E-14	RegC	ELL2
CSRNP1.1	3.70E-18	0.275023044	0.694	0.712	9.31E-14	RegC	CSRNP1
MYL9.1	1.34E-17	-0.31157769	0.212	0.31	3.38E-13	RegC	MYL9
BTG2.3	1.55E-17	-0.30107169	0.644	0.738	3.90E-13	RegC	BTG2
SOCS3.2	1.05E-16	0.25719111	0.806	0.809	2.65E-12	RegC	SOCS3
COL1A1.3	1.46E-16	-1.42628482	0.083	0.142	3.67E-12	RegC	COL1A1
IGFBP5.3	8.40E-16	-0.72279641	0.165	0.235	2.12E-11	RegC	IGFBP5
CP.2	2.94E-15	0.419170418	0.607	0.604	7.41E-11	RegC	CP
ZFP36.2	7.12E-15	0.340787583	0.948	0.958	1.79E-10	RegC	ZFP36
SLC40A1.1	8.19E-15	0.285483558	0.383	0.344	2.06E-10	RegC	SLC40A1
NFKBIZ.2	1.29E-13	0.441007903	0.519	0.518	3.24E-09	RegC	NFKBIZ
TMSB4X.3	2.64E-13	-0.99421728	0.701	0.785	6.64E-09	RegC	TMSB4X
GLUL.2	6.30E-13	0.368975394	0.561	0.57	1.59E-08	RegC	GLUL
MYO10	2.56E-12	0.336374706	0.302	0.265	6.45E-08	RegC	MYO10
SQSTM1	3.73E-11	0.255590722	0.899	0.927	9.39E-07	RegC	SQSTM1
ABI3BP.2	1.05E-10	-0.321362	0.433	0.49	2.65E-06	RegC	ABI3BP
GPX3.3	9.64E-09	0.603357613	0.988	0.989	0.000243	RegC	GPX3
RGS16.3	1.36E-08	0.822232085	0.72	0.744	0.000343	RegC	RGS16
WTAP.1	1.55E-08	0.305743057	0.622	0.661	0.00039	RegC	WTAP
AMTN.2	2.19E-08	-0.26446735	0.074	0.112	0.000552	RegC	AMTN
VCAM1.3	2.99E-08	0.335654547	0.212	0.173	0.000754	RegC	VCAM1
WDR74.1	4.74E-08	0.289665569	0.407	0.408	0.001193	RegC	WDR74
RND1.2	2.89E-07	0.355999059	0.237	0.204	0.007273	RegC	RND1
RPS26	9.64E-07	0.256844904	0.975	0.983	0.024293	RegC	RPS26
TXNIP.1	1.79E-06	0.268958685	0.492	0.502	0.045215	RegC	TXNIP
KLF4.2	2.04E-06	0.253706247	0.804	0.85	0.051478	RegC	KLF4
C10orf10.1	2.10E-06	0.3333143	0.27	0.248	0.053028	RegC	C10orf10
PDK4.1	3.33E-06	0.3070436	0.281	0.256	0.083992	RegC	PDK4
TM4SF1.1	1.41E-05	0.276852189	0.614	0.628	0.355766	RegC	TM4SF1
CCL2.2	1.83E-05	0.290440959	0.174	0.22	0.461717	RegC	CCL2
HTRA1.3	0.000332	-0.31055221	0.732	0.834	1	RegC	HTRA1
TGFBI.3	0.000501	-0.30390837	0.358	0.391	1	RegC	TGFBI
GPRC5A.1	0.000642	0.270814672	0.5	0.528	1	RegC	GPRC5A
GEM.2	0.000822	0.386954109	0.756	0.804	1	RegC	GEM
RCAN1.2	0.004425	0.275330715	0.658	0.682	1	RegC	RCAN1
CHI3L2.4	0	1.347384796	0.989	0.864	0	preHTC	CHI3L2
ASPN.2	0	1.145923752	0.842	0.567	0	preHTC	ASPN
CRTAC1.2	0	1.024308965	0.933	0.721	0	preHTC	CRTAC1
TNC.2	0	0.948577153	0.843	0.449	0	preHTC	TNC
CLU.4	0	0.932204044	1	1	0	preHTC	CLU
OGN.3	0	0.925395053	0.959	0.788	0	preHTC	OGN
TGFBI.4	0	0.786243705	0.654	0.342	0	preHTC	TGFBI
EFEMP1.3	0	0.701883927	0.813	0.53	0	preHTC	EFEMP1
ACTB.4	0	-0.73482042	0.995	0.998	0	preHTC	ACTB
S100B.3	0	-0.83347188	0.915	0.934	0	preHTC	S100B
ACTG1.3	0	-0.85504791	0.987	0.996	0	preHTC	ACTG1
ACAN.3	0	-1.03286472	0.959	0.97	0	preHTC	ACAN
CHAD.4	0	-1.1542686	0.785	0.882	0	preHTC	CHAD
JUNB.3	0	-1.26488625	0.99	0.994	0	preHTC	JUNB
C2orf82.4	0	-1.45959305	0.929	0.951	0	preHTC	C2orf82
IER2.4	0	-1.46081261	0.76	0.889	0	preHTC	IER2
CLEC3A.4	0	-1.58184637	0.584	0.778	0	preHTC	CLEC3A
FGFBP2.2	0	-1.6587876	0.929	0.966	0	preHTC	FGFBP2
FRZB.3	0	-1.71781679	0.684	0.843	0	preHTC	FRZB

FXYD1.3	1.15E-299	-0.87860407	0.584	0.773	2.89E-295	preHTC	FXYD1
ABI3BP.3	1.33E-297	0.709682674	0.718	0.444	3.35E-293	preHTC	ABI3BP
JUN.2	6.78E-291	-1.3546825	0.856	0.938	1.71E-286	preHTC	JUN
FOS.3	2.62E-289	-1.14348658	0.956	0.984	6.60E-285	preHTC	FOS
EGR1.4	5.66E-281	-0.92436395	0.842	0.928	1.43E-276	preHTC	EGR1
NR4A1.4	2.29E-279	-1.05884096	0.374	0.631	5.78E-275	preHTC	NR4A1
NNMT.3	3.60E-275	0.597184546	0.997	0.956	9.07E-271	preHTC	NNMT
DIO2.2	8.00E-275	0.603306017	0.451	0.198	2.02E-270	preHTC	DIO2
MDF1.3	3.32E-266	-0.74937438	0.54	0.735	8.37E-262	preHTC	MDF1
CRISPLD1.3	5.01E-259	-1.4356165	0.283	0.547	1.26E-254	preHTC	CRISPLD1
STC2.3	1.44E-253	-1.11370724	0.196	0.479	3.62E-249	preHTC	STC2
TUBB2B.3	3.27E-253	-0.75394847	0.418	0.665	8.25E-249	preHTC	TUBB2B
SMOC1.2	3.99E-253	0.59181436	0.684	0.446	1.01E-248	preHTC	SMOC1
SCRG1.4	4.63E-253	-0.91042596	0.996	0.993	1.17E-248	preHTC	SCRG1
IFITM3.4	9.66E-251	0.534345428	0.992	0.968	2.43E-246	preHTC	IFITM3
CYTL1.4	3.06E-249	-1.44892027	0.842	0.905	7.71E-245	preHTC	CYTL1
SLC14A1.2	2.38E-248	-0.70920423	0.173	0.462	6.00E-244	preHTC	SLC14A1
HTRA1.4	2.46E-243	1.018865607	0.896	0.811	6.20E-239	preHTC	HTRA1
SPINT2.3	2.35E-240	-0.66281896	0.88	0.908	5.91E-236	preHTC	SPINT2
THY1.4	6.15E-231	0.300918663	0.439	0.194	1.55E-226	preHTC	THY1
TF.3	3.59E-229	-1.63815378	0.331	0.567	9.04E-225	preHTC	TF
FOSB.2	5.02E-225	-1.10851886	0.75	0.871	1.27E-220	preHTC	FOSB
COL9A2.3	8.24E-225	-0.69700991	0.516	0.725	2.08E-220	preHTC	COL9A2
RASD1.4	6.37E-224	-1.30475985	0.465	0.671	1.61E-219	preHTC	RASD1
LECT1.4	3.15E-217	-1.11976596	0.273	0.514	7.94E-213	preHTC	LECT1
FTL.1	2.28E-211	-0.33050456	1	1	5.73E-207	preHTC	FTL
GALNT15.3	7.16E-211	0.454177897	0.704	0.47	1.80E-206	preHTC	GALNT15
COL15A1.2	2.41E-210	0.414676084	0.577	0.327	6.08E-206	preHTC	COL15A1
RPLP0.1	1.42E-209	0.297501059	0.999	1	3.57E-205	preHTC	RPLP0
FBXO2.4	1.93E-208	-0.55057254	0.816	0.88	4.87E-204	preHTC	FBXO2
FAM134B.3	7.19E-207	0.430519485	0.65	0.423	1.81E-202	preHTC	FAM134B
WIF1.3	2.13E-205	-0.63726146	0.048	0.279	5.37E-201	preHTC	WIF1
LUM.2	4.31E-205	0.509674991	1	0.999	1.09E-200	preHTC	LUM
COL9A3.3	6.15E-201	-0.66534505	0.853	0.907	1.55E-196	preHTC	COL9A3
SRSF7.1	7.40E-199	-0.71019454	0.781	0.872	1.86E-194	preHTC	SRSF7
RBP4.4	4.11E-198	-1.07744136	0.569	0.73	1.04E-193	preHTC	RBP4
HAPLN1.3	7.13E-198	-0.82871224	0.95	0.951	1.80E-193	preHTC	HAPLN1
NT5E.2	2.10E-197	0.438223533	0.658	0.448	5.28E-193	preHTC	NT5E
ATF3.4	8.98E-196	-0.89596296	0.406	0.618	2.26E-191	preHTC	ATF3
SERPINA5.4	5.66E-195	-0.71595574	0.778	0.857	1.43E-190	preHTC	SERPINA5
FAP.2	7.73E-194	0.318755876	0.508	0.265	1.95E-189	preHTC	FAP
PTGES.2	1.23E-193	0.595267857	0.557	0.34	3.09E-189	preHTC	PTGES
THBS3.2	1.30E-192	0.355229983	0.538	0.308	3.27E-188	preHTC	THBS3
PDPN.2	5.91E-191	-0.96963381	0.67	0.785	1.49E-186	preHTC	PDPN
NDRG2.3	7.86E-190	-0.53801724	0.518	0.711	1.98E-185	preHTC	NDRG2
MIA.2	4.52E-189	-0.65271463	0.954	0.961	1.14E-184	preHTC	MIA
AEBP1.3	1.14E-187	0.496607272	0.938	0.831	2.88E-183	preHTC	AEBP1
ANK3.3	2.76E-187	0.39718804	0.549	0.317	6.96E-183	preHTC	ANK3
GSN.2	8.40E-187	-0.45878993	0.892	0.943	2.12E-182	preHTC	GSN
WWP2.3	1.04E-185	-0.64693715	0.748	0.853	2.61E-181	preHTC	WWP2
ITM2C.3	1.06E-185	-0.53329237	0.912	0.947	2.68E-181	preHTC	ITM2C
DUSP1.3	4.60E-184	-0.71313418	0.656	0.797	1.16E-179	preHTC	DUSP1
COMP.3	1.05E-183	0.553121437	1	0.999	2.65E-179	preHTC	COMP
NTN1.2	2.18E-183	0.273670797	0.354	0.157	5.49E-179	preHTC	NTN1
MCL1.1	8.08E-180	-0.51812297	0.78	0.868	2.04E-175	preHTC	MCL1
PHOSPHO1.2	1.54E-179	-0.42049744	0.04	0.245	3.88E-175	preHTC	PHOSPHO1
PLAC9.2	1.38E-178	-0.69301336	0.956	0.974	3.48E-174	preHTC	PLAC9
PART1.2	2.45E-178	0.534245331	0.621	0.408	6.17E-174	preHTC	PART1
COL3A1.4	1.42E-177	0.838300369	0.874	0.765	3.58E-173	preHTC	COL3A1
MST4.3	2.75E-177	-0.5190009	0.411	0.609	6.94E-173	preHTC	MST4

VCAM1.4	6.74E-176	0.857678195	0.333	0.15	1.70E-171	preHTC	VCAM1
COL11A2.3	1.19E-175	-0.46472733	0.608	0.775	2.99E-171	preHTC	COL11A2
MIR24-2.1	3.36E-173	-0.70882255	0.525	0.717	8.47E-169	preHTC	MIR24-2
MRPS6.2	5.01E-173	-0.55348956	0.564	0.711	1.26E-168	preHTC	MRPS6
CHRDL2.3	1.26E-170	-1.15472457	0.083	0.294	3.17E-166	preHTC	CHRDL2
FOXA3.2	6.01E-168	-0.52767624	0.248	0.459	1.51E-163	preHTC	FOXA3
BTG2.4	1.33E-166	-0.90057077	0.621	0.747	3.35E-162	preHTC	BTG2
TTLL7.3	6.46E-163	-0.41196639	0.203	0.416	1.63E-158	preHTC	TTLL7
S100A1.3	1.36E-162	-0.58723244	0.813	0.909	3.43E-158	preHTC	S100A1
CHI3L1.4	4.86E-161	1.087513304	0.884	0.771	1.23E-156	preHTC	CHI3L1
GAS1.4	5.57E-161	0.526834935	0.599	0.395	1.40E-156	preHTC	GAS1
ITM2A.3	5.76E-161	-0.60534344	0.566	0.721	1.45E-156	preHTC	ITM2A
PMP22.2	2.69E-160	0.405448523	0.936	0.89	6.77E-156	preHTC	PMP22
COL1A2.3	3.70E-160	0.381805025	0.699	0.49	9.33E-156	preHTC	COL1A2
BHLHE41.2	1.17E-159	-0.52040775	0.443	0.63	2.94E-155	preHTC	BHLHE41
LGI4.1	1.89E-157	-0.35017136	0.058	0.252	4.76E-153	preHTC	LGI4
DKK1.3	4.98E-154	-0.63759612	0.03	0.211	1.25E-149	preHTC	DKK1
COL12A1.2	1.00E-153	0.417012339	0.559	0.342	2.53E-149	preHTC	COL12A1
GDF10.3	1.06E-153	-0.58649078	0.455	0.671	2.67E-149	preHTC	GDF10
GEM.3	2.38E-153	-0.62952208	0.681	0.819	5.99E-149	preHTC	GEM
EXTL1.2	4.46E-151	-0.30552777	0.073	0.265	1.12E-146	preHTC	EXTL1
SCIN.2	2.06E-148	-0.42060504	0.347	0.54	5.19E-144	preHTC	SCIN
MEG3.2	1.76E-147	-0.73118542	0.339	0.548	4.44E-143	preHTC	MEG3
LTBP2.2	7.05E-146	0.322644997	0.563	0.349	1.77E-141	preHTC	LTBP2
LDLRAD4.3	8.42E-144	-0.4939938	0.485	0.639	2.12E-139	preHTC	LDLRAD4
SLC39A14.4	1.01E-142	0.40334855	0.837	0.733	2.54E-138	preHTC	SLC39A14
COL9A1.4	2.40E-140	-0.50955471	0.082	0.27	6.05E-136	preHTC	COL9A1
SERPINA1.3	3.57E-139	-0.63005571	0.971	0.967	9.01E-135	preHTC	SERPINA1
IDI1.2	4.86E-139	-0.51526815	0.453	0.613	1.22E-134	preHTC	IDI1
DPT.4	1.15E-138	0.396178467	0.544	0.34	2.91E-134	preHTC	DPT
COL6A2.3	3.45E-138	0.317433007	0.914	0.883	8.68E-134	preHTC	COL6A2
INSIG1.3	1.54E-137	-0.61756212	0.35	0.525	3.88E-133	preHTC	INSIG1
CTA-29F11.1.2	3.61E-137	-0.36901925	0.218	0.425	9.10E-133	preHTC	CTA-29F11.1
AC005152.3.1	1.45E-135	-0.39583373	0.079	0.263	3.64E-131	preHTC	AC005152.3
SOD2.3	4.24E-135	0.579789043	0.916	0.847	1.07E-130	preHTC	SOD2
METTL7A.2	4.08E-134	-0.39487562	0.336	0.546	1.03E-129	preHTC	METTL7A
KAL1.1	3.05E-133	0.250254207	0.39	0.21	7.67E-129	preHTC	KAL1
CRYAB.3	5.31E-129	-0.87421698	0.742	0.837	1.34E-124	preHTC	CRYAB
LDLR.2	1.83E-127	-0.43103095	0.238	0.424	4.61E-123	preHTC	LDLR
BHLHE40.3	7.37E-127	-0.62537171	0.728	0.81	1.86E-122	preHTC	BHLHE40
ADAMTS5.2	8.30E-127	0.369163006	0.258	0.116	2.09E-122	preHTC	ADAMTS5
COL5A1.4	1.57E-125	0.440597586	0.666	0.507	3.95E-121	preHTC	COL5A1
PPP1R3C.3	8.00E-125	-0.71099434	0.582	0.718	2.01E-120	preHTC	PPP1R3C
NR4A2.1	1.36E-124	-0.52931385	0.486	0.647	3.43E-120	preHTC	NR4A2
STK38L.3	7.92E-122	-0.48279122	0.563	0.701	2.00E-117	preHTC	STK38L
TAGLN.3	1.61E-121	-1.06278189	0.074	0.239	4.06E-117	preHTC	TAGLN
GLI3.1	2.66E-120	0.328065027	0.588	0.422	6.70E-116	preHTC	GLI3
SLC7A2.2	1.31E-119	0.425806733	0.514	0.349	3.29E-115	preHTC	SLC7A2
SPTSSB.2	1.35E-119	-0.36380869	0.058	0.218	3.39E-115	preHTC	SPTSSB
RHOB.3	1.98E-119	-0.53497603	0.702	0.802	5.00E-115	preHTC	RHOB
CFH.3	6.68E-119	-0.6100745	0.916	0.952	1.68E-114	preHTC	CFH
NGFRAP1.2	1.53E-118	-0.35299475	0.859	0.908	3.87E-114	preHTC	NGFRAP1
PEBP1.1	2.35E-115	-0.29302533	0.939	0.966	5.93E-111	preHTC	PEBP1
TRPV4.3	5.93E-115	-0.38397946	0.576	0.726	1.49E-110	preHTC	TRPV4
TPM4.2	1.10E-112	-0.49704581	0.557	0.668	2.76E-108	preHTC	TPM4
ITGB8	1.56E-112	0.278526307	0.246	0.113	3.92E-108	preHTC	ITGB8
JUND.1	1.19E-110	-0.44336378	0.731	0.817	2.99E-106	preHTC	JUND
PLAUR.3	9.96E-110	0.290256804	0.487	0.307	2.51E-105	preHTC	PLAUR
CP.3	1.81E-109	-0.25620737	0.448	0.631	4.57E-105	preHTC	CP
RGS3.1	3.86E-108	-0.48406995	0.733	0.824	9.71E-104	preHTC	RGS3

IFITM2.4	1.81E-107	0.40340688	0.903	0.82	4.57E-103	preHTC	IFITM2
TSPAN13.2	2.68E-105	-0.52419071	0.214	0.369	6.75E-101	preHTC	TSPAN13
FGFR1.2	3.79E-105	-0.44432005	0.627	0.729	9.54E-101	preHTC	FGFR1
CD55.3	1.20E-104	0.58409998	0.781	0.712	3.03E-100	preHTC	CD55
NFATC1.1	3.50E-102	-0.39848559	0.436	0.587	8.81E-98	preHTC	NFATC1
HSPB1.3	2.96E-101	-0.60187831	0.921	0.952	7.46E-97	preHTC	HSPB1
CNN2.1	4.12E-101	-0.28257098	0.183	0.348	1.04E-96	preHTC	CNN2
C1R.4	1.56E-99	0.319752514	0.796	0.653	3.92E-95	preHTC	C1R
CTGF.3	4.09E-98	0.413665088	0.992	0.98	1.03E-93	preHTC	CTGF
PPP3CA.1	1.52E-97	0.317480134	0.85	0.767	3.82E-93	preHTC	PPP3CA
TCF4.2	2.42E-97	0.302926785	0.714	0.577	6.11E-93	preHTC	TCF4
FCGRT.2	4.50E-96	-0.32699189	0.72	0.81	1.13E-91	preHTC	FCGRT
COL10A1.4	7.53E-96	-1.70178057	0.045	0.176	1.90E-91	preHTC	COL10A1
AP3S1.2	7.57E-95	-0.33333495	0.814	0.877	1.91E-90	preHTC	AP3S1
TOB1.1	9.98E-95	-0.37277368	0.506	0.647	2.51E-90	preHTC	TOB1
MT1M.3	2.84E-94	0.481257215	0.89	0.808	7.15E-90	preHTC	MT1M
ADM.2	4.07E-94	-0.45686257	0.343	0.51	1.02E-89	preHTC	ADM
TAGLN2.3	1.08E-92	0.278037927	0.848	0.784	2.71E-88	preHTC	TAGLN2
CRLF1.4	1.88E-92	0.287970738	0.374	0.223	4.75E-88	preHTC	CRLF1
NFKBIZ.3	1.20E-90	0.415896101	0.642	0.497	3.03E-86	preHTC	NFKBIZ
CDON.1	1.23E-90	0.251209409	0.582	0.425	3.09E-86	preHTC	CDON
HMGCS1.2	5.42E-90	-0.5635222	0.278	0.427	1.37E-85	preHTC	HMGCS1
TSPYL2.1	4.21E-89	-0.3073411	0.376	0.53	1.06E-84	preHTC	TSPYL2
C2orf40.2	1.60E-88	-0.72908655	0.999	0.999	4.02E-84	preHTC	C2orf40
UGP2.3	6.51E-88	0.309752685	0.902	0.87	1.64E-83	preHTC	UGP2
CYSTM1.3	1.66E-87	-0.34323244	0.553	0.67	4.17E-83	preHTC	CYSTM1
ARID5B.2	4.12E-87	0.326185394	0.761	0.626	1.04E-82	preHTC	ARID5B
MSMO1.2	2.85E-86	-0.42788002	0.261	0.404	7.18E-82	preHTC	MSMO1
PRPSAP1.1	3.16E-86	-0.25369553	0.295	0.446	7.96E-82	preHTC	PRPSAP1
CST3.4	8.78E-86	-0.49866608	0.995	0.997	2.21E-81	preHTC	CST3
PDE4DIP.2	2.74E-85	-0.28978891	0.585	0.703	6.91E-81	preHTC	PDE4DIP
CD99.2	9.83E-85	-0.2977335	0.96	0.976	2.48E-80	preHTC	CD99
REXO2.1	1.99E-84	0.256704957	0.903	0.863	5.02E-80	preHTC	REXO2
UQCR10.1	2.33E-84	-0.26430079	0.714	0.813	5.87E-80	preHTC	UQCR10
DDIT4.1	2.57E-84	-0.69533091	0.404	0.544	6.47E-80	preHTC	DDIT4
GPX3.4	4.41E-84	-0.49100608	0.988	0.99	1.11E-79	preHTC	GPX3
FN1.4	1.15E-83	0.479481706	0.999	0.999	2.89E-79	preHTC	FN1
STEAP1.1	1.79E-83	0.25857829	0.515	0.362	4.51E-79	preHTC	STEAP1
CDKN1A.3	2.19E-83	-0.40975791	0.789	0.845	5.51E-79	preHTC	CDKN1A
ILF3-AS1	4.45E-83	-0.25899136	0.284	0.442	1.12E-78	preHTC	ILF3-AS1
RP11-983P16.4.2	5.69E-83	-0.29297658	0.432	0.572	1.43E-78	preHTC	RP11-983P16.4
ZFP36.3	3.25E-82	-0.55211889	0.937	0.96	8.18E-78	preHTC	ZFP36
SERPINI1.2	6.98E-82	-0.378762	0.257	0.398	1.76E-77	preHTC	SERPINI1
SLPI.2	1.13E-81	-0.54553079	0.107	0.246	2.84E-77	preHTC	SLPI
CD68.1	3.03E-81	0.256245122	0.55	0.407	7.63E-77	preHTC	CD68
BZW1.1	1.11E-80	0.307624017	0.917	0.882	2.79E-76	preHTC	BZW1
HES1.3	2.66E-80	-0.56105335	0.384	0.522	6.71E-76	preHTC	HES1
APOD.3	5.74E-79	-0.5364564	0.685	0.774	1.45E-74	preHTC	APOD
CYR61.4	2.50E-78	-0.72133284	0.935	0.942	6.29E-74	preHTC	CYR61
MT2A.3	9.25E-78	0.385444229	0.999	0.999	2.33E-73	preHTC	MT2A
MEF2C.2	3.25E-77	-0.34846306	0.325	0.462	8.18E-73	preHTC	MEF2C
WSB1.1	6.97E-77	-0.26385266	0.732	0.82	1.76E-72	preHTC	WSB1
FNIP2	1.35E-76	0.318019315	0.495	0.365	3.39E-72	preHTC	FNIP2
ADRB2.1	2.63E-76	-0.33530124	0.292	0.429	6.63E-72	preHTC	ADRB2
CLEC11A	4.65E-76	-0.27814516	0.2	0.349	1.17E-71	preHTC	CLEC11A
DUSP14.1	1.04E-75	-0.38086286	0.516	0.623	2.62E-71	preHTC	DUSP14
S100A4.4	1.43E-75	0.384347931	0.704	0.601	3.59E-71	preHTC	S100A4
KLF10.3	4.76E-75	-0.36827186	0.489	0.614	1.20E-70	preHTC	KLF10
SETD5-AS1.1	5.31E-74	-0.31178306	0.588	0.7	1.34E-69	preHTC	SETD5-AS1
CD9.1	4.39E-72	-0.38594368	0.935	0.958	1.11E-67	preHTC	CD9

NR1D1.3	5.41E-72	-0.38755609	0.593	0.704	1.36E-67	preHTC	NR1D1
TNFAIP6.4	6.16E-72	0.733492996	0.304	0.184	1.55E-67	preHTC	TNFAIP6
PHLDA1.1	1.10E-71	-0.47364319	0.678	0.755	2.76E-67	preHTC	PHLDA1
DDIT3.1	1.54E-71	-0.36849628	0.664	0.759	3.87E-67	preHTC	DDIT3
DAP.2	1.86E-70	-0.2587353	0.622	0.716	4.69E-66	preHTC	DAP
CCPG1	3.28E-70	0.270520154	0.923	0.909	8.27E-66	preHTC	CCPG1
TSPAN3.2	5.79E-70	-0.25174168	0.563	0.669	1.46E-65	preHTC	TSPAN3
SOX9.1	8.89E-70	-0.33630824	0.646	0.739	2.24E-65	preHTC	SOX9
NGF.2	1.13E-69	0.291060157	0.345	0.217	2.86E-65	preHTC	NGF
GLIPR1.2	7.99E-69	-0.31740931	0.545	0.666	2.01E-64	preHTC	GLIPR1
CSRP1.2	1.61E-67	-0.28961495	0.587	0.689	4.05E-63	preHTC	CSRP1
RAMP1.3	3.52E-67	-0.42392087	0.16	0.284	8.86E-63	preHTC	RAMP1
EMP1.2	2.08E-66	-0.55234253	0.699	0.76	5.24E-62	preHTC	EMP1
GLRX.4	2.39E-66	0.403793827	0.59	0.463	6.01E-62	preHTC	GLRX
CD59.2	3.45E-66	-0.28792527	0.918	0.948	8.70E-62	preHTC	CD59
HSPB6.2	4.07E-66	-0.27962268	0.323	0.446	1.03E-61	preHTC	HSPB6
OSTC.4	7.72E-66	0.27067953	0.854	0.843	1.95E-61	preHTC	OSTC
GPC6.1	1.33E-65	-0.28301431	0.671	0.75	3.36E-61	preHTC	GPC6
ANGPTL2.2	3.30E-64	0.257397419	0.945	0.893	8.32E-60	preHTC	ANGPTL2
EDIL3.2	4.29E-64	-0.32725342	0.718	0.775	1.08E-59	preHTC	EDIL3
EGR3.2	7.63E-64	-0.35460174	0.158	0.273	1.92E-59	preHTC	EGR3
CSRNP1.2	2.41E-63	-0.26154177	0.618	0.726	6.07E-59	preHTC	CSRNP1
CAPS.2	2.41E-62	0.268895436	0.504	0.379	6.07E-58	preHTC	CAPS
SNAI1.1	3.85E-62	-0.28972017	0.298	0.425	9.71E-58	preHTC	SNAI1
MYL12A.2	2.45E-60	-0.28982469	0.795	0.846	6.17E-56	preHTC	MYL12A
RARRES2.4	2.46E-60	-0.33642222	0.245	0.384	6.21E-56	preHTC	RARRES2
SDC2.3	3.89E-60	-0.26797956	0.935	0.964	9.80E-56	preHTC	SDC2
IBSP.4	5.12E-60	-2.53588872	0.073	0.173	1.29E-55	preHTC	IBSP
FXYD6.2	2.02E-59	-0.30988655	0.842	0.88	5.10E-55	preHTC	FXYD6
AKR1C2.1	6.29E-59	0.294910187	0.572	0.444	1.58E-54	preHTC	AKR1C2
VASN	6.76E-59	-0.2582218	0.633	0.726	1.70E-54	preHTC	VASN
MYADM.1	1.03E-58	-0.32522069	0.824	0.877	2.60E-54	preHTC	MYADM
7SK.2.1	1.39E-58	0.398039502	0.231	0.133	3.50E-54	preHTC	7SK.2
CILP2.3	2.00E-58	0.383229893	0.809	0.758	5.03E-54	preHTC	CILP2
NEU1.1	5.18E-58	-0.31120587	0.38	0.49	1.30E-53	preHTC	NEU1
KLF2.1	7.75E-58	-0.28759582	0.393	0.514	1.95E-53	preHTC	KLF2
MATN3.4	3.03E-57	-0.44162925	0.442	0.576	7.63E-53	preHTC	MATN3
ANGPTL4.3	6.67E-57	0.325990639	0.727	0.606	1.68E-52	preHTC	ANGPTL4
TUBB2A	1.34E-56	-0.26797661	0.599	0.704	3.37E-52	preHTC	TUBB2A
FIBIN.2	2.24E-56	0.341620668	0.892	0.835	5.66E-52	preHTC	FIBIN
DLX5.2	7.15E-56	-0.30228186	0.395	0.508	1.80E-51	preHTC	DLX5
CD83.1	2.31E-55	-0.26773579	0.08	0.179	5.81E-51	preHTC	CD83
GADD45B.4	1.30E-54	-0.57726632	0.896	0.925	3.27E-50	preHTC	GADD45B
TPD52L1.1	4.65E-54	-0.36497342	0.72	0.79	1.17E-49	preHTC	TPD52L1
H3F3B.2	1.50E-53	-0.26122997	1	1	3.77E-49	preHTC	H3F3B
IGF2.3	3.14E-53	-0.28590145	0.206	0.325	7.92E-49	preHTC	IGF2
MAFB.2	5.84E-53	0.313612185	0.399	0.276	1.47E-48	preHTC	MAFB
CPE.2	2.39E-52	-0.34303563	0.276	0.38	6.03E-48	preHTC	CPE
BTG1.3	7.52E-52	0.441737502	0.947	0.929	1.89E-47	preHTC	BTG1
MFI2.2	1.54E-51	-0.26648247	0.49	0.586	3.87E-47	preHTC	MFI2
CTHRC1.3	1.60E-51	0.283373839	0.659	0.533	4.02E-47	preHTC	CTHRC1
SERPINE2.2	4.56E-51	0.446189052	0.672	0.607	1.15E-46	preHTC	SERPINE2
TIMP4.2	7.97E-51	-0.30215272	0.587	0.662	2.01E-46	preHTC	TIMP4
SKIL	1.62E-50	-0.25497331	0.524	0.619	4.07E-46	preHTC	SKIL
MT1G.1	2.59E-50	0.315905807	0.807	0.741	6.54E-46	preHTC	MT1G
CALM1.2	8.53E-49	-0.2622171	0.921	0.949	2.15E-44	preHTC	CALM1
SCARA3.2	3.46E-48	0.259184539	0.675	0.571	8.73E-44	preHTC	SCARA3
KLF4.3	5.77E-48	-0.35371503	0.804	0.853	1.45E-43	preHTC	KLF4
ADAMTS1.1	1.97E-47	0.319861398	0.276	0.179	4.96E-43	preHTC	ADAMTS1
MT1H.2	3.01E-47	0.349915379	0.358	0.251	7.58E-43	preHTC	MT1H

SNAI2.2	3.93E-47	-0.27506131	0.51	0.605	9.91E-43	preHTC	SNAI2
GREM1.4	5.09E-47	-0.47202805	0.168	0.273	1.28E-42	preHTC	GREM1
SRPX2.3	2.78E-46	0.263699385	0.637	0.564	7.00E-42	preHTC	SRPX2
PCSK1N.1	3.71E-46	0.38898569	0.333	0.232	9.35E-42	preHTC	PCSK1N
TUBB4B.1	5.12E-46	-0.29168608	0.8	0.859	1.29E-41	preHTC	TUBB4B
STEAP4.4	2.48E-44	0.455050499	0.162	0.091	6.24E-40	preHTC	STEAP4
KCNMA1	3.67E-44	-0.35474436	0.593	0.67	9.26E-40	preHTC	KCNMA1
SLC20A1.1	8.78E-44	-0.30274226	0.568	0.637	2.21E-39	preHTC	SLC20A1
PPP1R15A.4	1.57E-43	-0.37020245	0.684	0.761	3.95E-39	preHTC	PPP1R15A
TMSB4X.4	5.94E-43	-0.38974508	0.823	0.768	1.50E-38	preHTC	TMSB4X
SERTAD4.2	6.28E-43	-0.25609379	0.367	0.463	1.58E-38	preHTC	SERTAD4
A2M.2	7.96E-43	-0.25866551	0.315	0.426	2.01E-38	preHTC	A2M
FAM43A.2	2.54E-41	-0.26677319	0.172	0.264	6.41E-37	preHTC	FAM43A
TSPAN2.3	2.07E-40	0.328451042	0.725	0.71	5.22E-36	preHTC	TSPAN2
THBS1.1	2.07E-39	0.387564528	0.525	0.441	5.22E-35	preHTC	THBS1
MT1A.3	8.71E-39	0.315561414	0.502	0.401	2.19E-34	preHTC	MT1A
C11orf96.1	5.92E-38	-0.35154896	0.407	0.492	1.49E-33	preHTC	C11orf96
ANKRD37	4.88E-37	-0.25522368	0.39	0.479	1.23E-32	preHTC	ANKRD37
SAT1.1	6.68E-36	-0.26347417	0.94	0.961	1.68E-31	preHTC	SAT1
PIM1.2	2.18E-35	-0.28915779	0.246	0.338	5.48E-31	preHTC	PIM1
DNAJB1	2.34E-30	-0.27144118	0.721	0.77	5.90E-26	preHTC	DNAJB1
TPM1.1	3.42E-29	-0.27297704	0.265	0.343	8.62E-25	preHTC	TPM1
KLF6.3	4.65E-29	-0.33697814	0.735	0.778	1.17E-24	preHTC	KLF6
SLC29A1.2	1.69E-27	-0.26238648	0.766	0.805	4.25E-23	preHTC	SLC29A1
TIMP1.3	2.13E-24	0.574326126	0.997	0.995	5.36E-20	preHTC	TIMP1
MFGE8.4	1.58E-23	-0.32304003	0.939	0.945	3.98E-19	preHTC	MFGE8
PDK4.2	8.65E-23	0.271907269	0.32	0.247	2.18E-18	preHTC	PDK4
HIST1H1C.1	3.90E-20	-0.25695225	0.216	0.28	9.84E-16	preHTC	HIST1H1C
SPP1.4	5.98E-19	-2.4831264	0.34	0.383	1.51E-14	preHTC	SPP1
SAA1.3	1.48E-16	0.713447001	0.129	0.088	3.74E-12	preHTC	SAA1
IGFBP6.4	1.43E-11	-0.47432423	0.668	0.708	3.61E-07	preHTC	IGFBP6
TUBA1A.1	6.30E-07	-0.27864041	0.613	0.619	0.01588	preHTC	TUBA1A
TMSB10.2	0.000867	-0.32936689	0.775	0.787	1	preHTC	TMSB10
LGALS1.2	0.00157	-0.27281278	0.91	0.93	1	preHTC	LGALS1
COL1A1.4	0.002728	-0.86150604	0.155	0.133	1	preHTC	COL1A1
TNFRSF11B.4	0.006528	0.310629396	0.762	0.803	1	preHTC	TNFRSF11B
COL1A1.5	0	2.967778489	0.349	0.094	0	FC	COL1A1
TMSB4X.5	0	2.228556954	0.895	0.753	0	FC	TMSB4X
S100A4.5	0	2.097393182	0.778	0.584	0	FC	S100A4
COL1A2.4	0	1.968509605	0.783	0.469	0	FC	COL1A2
CRTAC1.3	0	1.944758016	0.91	0.721	0	FC	CRTAC1
TNFAIP6.5	0	1.922522453	0.511	0.14	0	FC	TNFAIP6
DPT.5	0	1.816666784	0.673	0.31	0	FC	DPT
TGFBI.5	0	1.79470586	0.731	0.32	0	FC	TGFBI
HTRA1.5	0	1.75250235	0.901	0.809	0	FC	HTRA1
TPPP3.3	0	1.619202495	0.506	0.223	0	FC	TPPP3
IGFBP5.4	0	1.522337681	0.429	0.188	0	FC	IGFBP5
ASPN.3	0	1.503584903	0.804	0.569	0	FC	ASPN
COL6A3.3	0	1.502028898	0.738	0.535	0	FC	COL6A3
COL6A1.3	0	1.450988711	0.924	0.822	0	FC	COL6A1
TNC.3	0	1.389787412	0.849	0.439	0	FC	TNC
COL6A2.4	0	1.315712096	0.939	0.878	0	FC	COL6A2
PRSS23.3	0	1.303060712	0.49	0.237	0	FC	PRSS23
AQP1.4	0	1.285220317	0.315	0.065	0	FC	AQP1
CRLF1.5	0	1.221184398	0.489	0.197	0	FC	CRLF1
TNXB.3	0	1.18603658	0.604	0.264	0	FC	TNXB
NBL1.3	0	1.084731798	0.467	0.106	0	FC	NBL1
ISLR.4	0	1.083545762	0.87	0.731	0	FC	ISLR
THY1.5	0	1.055933939	0.538	0.169	0	FC	THY1
ABI3BP.4	0	1.035093139	0.75	0.432	0	FC	ABI3BP

S100A10.3	0	0.980037968	0.995	0.994	0	FC	S100A10
CRIP1.2	0	0.941839341	0.602	0.319	0	FC	CRIP1
MMP2	0	0.938207117	0.22	0.043	0	FC	MMP2
VCAM1.5	0	0.88566171	0.408	0.131	0	FC	VCAM1
TAGLN2.4	0	0.86033857	0.874	0.778	0	FC	TAGLN2
MXRA5.2	0	0.83080122	0.478	0.187	0	FC	MXRA5
ECM1.3	0	0.828548355	0.449	0.093	0	FC	ECM1
ITGB5.1	0	0.781942734	0.541	0.246	0	FC	ITGB5
COL15A1.3	0	0.757992865	0.612	0.315	0	FC	COL15A1
TREM1.3	0	0.741643042	0.279	0.053	0	FC	TREM1
S100A11.3	0	0.730129224	0.97	0.963	0	FC	S100A11
SMOC1.3	0	0.729113901	0.68	0.442	0	FC	SMOC1
CAPZB.3	0	0.726803327	0.776	0.614	0	FC	CAPZB
FAP.3	0	0.724556727	0.583	0.245	0	FC	FAP
PPAP2B.3	0	0.717102971	0.467	0.185	0	FC	PPAP2B
CCND1.2	0	0.716650053	0.402	0.1	0	FC	CCND1
PFN1.2	0	0.686349761	0.923	0.88	0	FC	PFN1
CRABP2	0	0.648752401	0.205	0.039	0	FC	CRABP2
ARPC1B.2	0	0.646181415	0.761	0.592	0	FC	ARPC1B
HSD3B7.1	0	0.64602633	0.387	0.101	0	FC	HSD3B7
TXN.2	0	0.642718068	0.925	0.873	0	FC	TXN
IFITM3.5	0	0.632507861	0.991	0.968	0	FC	IFITM3
PLAUR.4	0	0.625019695	0.559	0.289	0	FC	PLAUR
GJA1.2	0	0.621908164	0.542	0.22	0	FC	GJA1
ATP5E.2	0	0.612857446	0.96	0.956	0	FC	ATP5E
CLIC1	0	0.568154946	0.911	0.867	0	FC	CLIC1
PDLIM7.2	0	0.531181082	0.528	0.279	0	FC	PDLIM7
P4HA3.1	0	0.523927983	0.447	0.137	0	FC	P4HA3
TMEM100.1	0	0.504602933	0.409	0.151	0	FC	TMEM100
F5.1	0	0.448700002	0.372	0.117	0	FC	F5
SEMA3C	0	0.440574162	0.294	0.069	0	FC	SEMA3C
MAP1A	0	0.413262077	0.338	0.096	0	FC	MAP1A
GPNMB	0	0.41006059	0.168	0.018	0	FC	GPNMB
MGST1	0	0.400122281	0.262	0.066	0	FC	MGST1
CDH13	0	0.3852469	0.283	0.055	0	FC	CDH13
MAMDC2	0	0.335968435	0.261	0.042	0	FC	MAMDC2
KCNN4	0	0.330599437	0.251	0.065	0	FC	KCNN4
ZEB2	0	0.314928833	0.254	0.037	0	FC	ZEB2
DLX4	0	0.309560749	0.238	0.039	0	FC	DLX4
ANPEP	0	0.297183901	0.184	0.016	0	FC	ANPEP
BMP4	0	0.292922457	0.195	0.025	0	FC	BMP4
LRRC15	0	0.277939729	0.16	0.011	0	FC	LRRC15
FAM180A	0	0.262391128	0.179	0.03	0	FC	FAM180A
FOXA3.3	0	-0.60881062	0.157	0.482	0	FC	FOXA3
DCN	0	-0.6216593	1	1	0	FC	DCN
MST4.4	0	-0.63215662	0.315	0.633	0	FC	MST4
TSC22D1.3	0	-0.65811283	0.915	0.986	0	FC	TSC22D1
NDRG2.4	0	-0.66328842	0.428	0.733	0	FC	NDRG2
STK38L.4	0	-0.7443434	0.475	0.721	0	FC	STK38L
CFH.4	0	-0.76479035	0.862	0.964	0	FC	CFH
APOD.4	0	-0.82096548	0.515	0.809	0	FC	APOD
WWP2.4	0	-0.82884033	0.631	0.878	0	FC	WWP2
GDF10.4	0	-0.85040688	0.349	0.696	0	FC	GDF10
COL11A2.4	0	-0.86077392	0.43	0.814	0	FC	COL11A2
TUBB2B.4	0	-0.91614025	0.298	0.694	0	FC	TUBB2B
SMOC2.4	0	-0.91633501	0.794	0.928	0	FC	SMOC2
FBXO2.5	0	-0.92489869	0.666	0.911	0	FC	FBXO2
ITM2C.4	0	-0.97578496	0.842	0.962	0	FC	ITM2C
MDFI.4	0	-0.99960087	0.392	0.769	0	FC	MDFI
ITM2A.4	0	-1.00301565	0.394	0.759	0	FC	ITM2A

SPINT2.4	0	-1.01233646	0.707	0.943	0	FC	SPINT2
MIA.3	0	-1.02625552	0.869	0.979	0	FC	MIA
CYR61.5	0	-1.11901536	0.896	0.95	0	FC	CYR61
SERPINA5.5	0	-1.17120211	0.653	0.883	0	FC	SERPINA5
COL9A2.4	0	-1.17120635	0.375	0.757	0	FC	COL9A2
JUNB.4	0	-1.17416198	0.984	0.996	0	FC	JUNB
HAPLN1.4	0	-1.21173484	0.829	0.975	0	FC	HAPLN1
MATN3.5	0	-1.212713	0.259	0.616	0	FC	MATN3
STC2.4	0	-1.24795444	0.145	0.495	0	FC	STC2
SERPINA1.4	0	-1.26329668	0.874	0.986	0	FC	SERPINA1
S100B.4	0	-1.26988712	0.752	0.967	0	FC	S100B
RASD1.5	0	-1.31543166	0.411	0.686	0	FC	RASD1
S100A1.4	0	-1.32969775	0.675	0.939	0	FC	S100A1
COL9A3.4	0	-1.3337927	0.671	0.945	0	FC	COL9A3
COL2A1.3	0	-1.36047404	0.87	0.944	0	FC	COL2A1
SCRG1.5	0	-1.37367696	0.981	0.996	0	FC	SCRG1
LECT1.5	0	-1.46863188	0.15	0.544	0	FC	LECT1
ACAN.4	0	-1.50890458	0.88	0.986	0	FC	ACAN
C2orf40.3	0	-1.80761577	0.997	1	0	FC	C2orf40
TF.4	0	-1.81240181	0.244	0.59	0	FC	TF
FRZB.4	0	-1.95403588	0.556	0.871	0	FC	FRZB
FGFBP2.3	0	-2.08324862	0.888	0.975	0	FC	FGFBP2
CHAD.5	0	-2.17318888	0.606	0.92	0	FC	CHAD
C2orf82.5	0	-2.23791229	0.805	0.976	0	FC	C2orf82
CYTL1.5	0	-2.29172718	0.735	0.928	0	FC	CYTL1
CLEC3A.5	0	-2.80257428	0.458	0.807	0	FC	CLEC3A
CERCAM	2.98E-307	0.554468044	0.426	0.191	7.51E-303	FC	CERCAM
S100A6.2	7.17E-307	0.86399737	0.999	1	1.81E-302	FC	S100A6
NTN1.3	2.12E-304	0.412263047	0.384	0.147	5.35E-300	FC	NTN1
PRKCDBP.1	9.68E-304	0.624269327	0.853	0.755	2.44E-299	FC	PRKCDBP
SCIN.3	3.32E-301	-0.51102308	0.252	0.563	8.36E-297	FC	SCIN
SORBS2	1.14E-299	0.400728027	0.375	0.148	2.87E-295	FC	SORBS2
CD151.2	9.84E-299	0.687202038	0.885	0.83	2.48E-294	FC	CD151
TRPV4.4	2.60E-296	-0.54418934	0.474	0.749	6.55E-292	FC	TRPV4
MINOS1.1	5.19E-296	0.593983853	0.861	0.772	1.31E-291	FC	MINOS1
LTBP2.3	5.39E-296	0.589854834	0.601	0.337	1.36E-291	FC	LTBP2
ANGPTL1	1.13E-293	0.340180319	0.304	0.1	2.84E-289	FC	ANGPTL1
RPL28.2	2.47E-293	0.344364652	1	0.999	6.22E-289	FC	RPL28
GPX3.5	5.56E-290	-0.76398059	0.975	0.992	1.40E-285	FC	GPX3
PDPN.3	1.13E-288	-1.0477102	0.636	0.795	2.85E-284	FC	PDPN
IGFBP4.2	5.14E-288	0.66154664	0.386	0.159	1.29E-283	FC	IGFBP4
FXYD1.4	2.40E-284	-0.8291553	0.618	0.771	6.06E-280	FC	FXYD1
SEPW1.1	3.97E-284	0.489612913	0.86	0.763	1.00E-279	FC	SEPW1
CLU.5	3.44E-283	0.734966575	1	1	8.67E-279	FC	CLU
TSPAN6.2	1.57E-282	-0.53331165	0.531	0.761	3.96E-278	FC	TSPAN6
PTGES.3	2.97E-281	0.904761127	0.566	0.334	7.48E-277	FC	PTGES
COL8A1	3.60E-281	0.353074614	0.148	0.024	9.07E-277	FC	COL8A1
FSTL1.3	5.45E-281	0.824832619	0.789	0.642	1.37E-276	FC	FSTL1
THBS3.3	1.46E-279	0.502538802	0.557	0.3	3.68E-275	FC	THBS3
PRG4.4	1.65E-274	3.234108686	0.558	0.352	4.16E-270	FC	PRG4
TCF4.3	6.67E-274	0.560311009	0.747	0.567	1.68E-269	FC	TCF4
BTG2.5	2.93E-273	-1.00550093	0.565	0.761	7.37E-269	FC	BTG2
SLC14A1.3	3.10E-273	-0.62484694	0.164	0.47	7.80E-269	FC	SLC14A1
MGST3.2	7.18E-273	0.705229532	0.871	0.802	1.81E-268	FC	MGST3
ABHD2	2.66E-270	0.515993906	0.449	0.222	6.70E-266	FC	ABHD2
DEFB1	4.69E-270	0.636605495	0.191	0.044	1.18E-265	FC	DEFB1
SH3BGRL3.2	6.56E-268	0.80025765	0.964	0.968	1.65E-263	FC	SH3BGRL3
HHIP	1.08E-267	0.367302893	0.198	0.048	2.72E-263	FC	HHIP
NT5E.3	1.84E-263	0.588397602	0.656	0.444	4.64E-259	FC	NT5E
PPP1R3C.4	3.01E-261	-0.89679236	0.526	0.732	7.59E-257	FC	PPP1R3C

C10orf105.1	5.48E-258	0.390518551	0.379	0.164	1.38E-253	FC	C10orf105
IER2.5	1.75E-257	-1.126049	0.786	0.887	4.42E-253	FC	IER2
COL14A1	1.85E-256	0.556537677	0.222	0.062	4.67E-252	FC	COL14A1
PCOLCE.4	7.76E-256	0.770516772	0.913	0.814	1.96E-251	FC	PCOLCE
NTN4	5.96E-252	0.382760984	0.396	0.176	1.50E-247	FC	NTN4
LDLRAD4.4	2.38E-250	-0.59254594	0.436	0.652	6.01E-246	FC	LDLRAD4
C1R.5	1.10E-249	0.835595457	0.814	0.646	2.77E-245	FC	C1R
PMP22.3	2.18E-249	0.508373485	0.941	0.888	5.50E-245	FC	PMP22
POLR2L.1	4.28E-245	0.496823621	0.919	0.877	1.08E-240	FC	POLR2L
TIMP2.2	1.64E-244	0.711586143	0.812	0.712	4.14E-240	FC	TIMP2
GEM.4	1.74E-244	-0.77183768	0.649	0.829	4.37E-240	FC	GEM
APLP2	3.70E-244	0.482483998	0.855	0.741	9.33E-240	FC	APLP2
COL11A1.2	8.40E-244	-0.56396884	0.618	0.84	2.12E-239	FC	COL11A1
CRISPLD1.4	3.92E-240	-1.35045443	0.312	0.547	9.87E-236	FC	CRISPLD1
ADAMTS5.3	1.60E-239	0.386718604	0.293	0.106	4.04E-235	FC	ADAMTS5
COL3A1.5	3.03E-237	1.069645588	0.875	0.762	7.63E-233	FC	COL3A1
S100A13.3	3.54E-237	-0.43255765	0.954	0.981	8.92E-233	FC	S100A13
GPC6.2	6.57E-237	-0.47408918	0.55	0.776	1.65E-232	FC	GPC6
PHOSPHO1.3	9.44E-237	-0.44098511	0.025	0.253	2.38E-232	FC	PHOSPHO1
DPYSL2	1.64E-236	0.434968877	0.546	0.324	4.13E-232	FC	DPYSL2
PCOLCE2.3	1.79E-236	-0.50687109	0.947	0.98	4.51E-232	FC	PCOLCE2
SSC5D	1.79E-236	0.312634336	0.341	0.142	4.51E-232	FC	SSC5D
TTLL7.4	1.95E-236	-0.44452321	0.167	0.428	4.92E-232	FC	TTLL7
TSPAN13.3	2.65E-235	-0.60805001	0.136	0.388	6.69E-231	FC	TSPAN13
WIF1.4	8.39E-235	-0.62556868	0.046	0.284	2.11E-230	FC	WIF1
CD63.3	7.63E-234	0.369855773	0.997	0.998	1.92E-229	FC	CD63
ACKR3.1	1.78E-233	0.503610397	0.413	0.199	4.48E-229	FC	ACKR3
FAM134B.4	2.00E-229	0.455610045	0.64	0.42	5.03E-225	FC	FAM134B
COL5A1.5	2.79E-229	0.727840221	0.701	0.497	7.03E-225	FC	COL5A1
PTPRD	9.55E-229	0.340260874	0.402	0.192	2.41E-224	FC	PTPRD
EGR1.5	1.35E-226	-0.73912008	0.853	0.928	3.40E-222	FC	EGR1
RBP4.5	2.00E-226	-1.05492697	0.551	0.737	5.05E-222	FC	RBP4
ODF3B	1.15E-225	0.258487181	0.311	0.121	2.89E-221	FC	ODF3B
MT-ATP6.2	1.80E-225	0.5153781	0.962	0.948	4.53E-221	FC	MT-ATP6
ITGB8.1	6.13E-225	0.348131014	0.283	0.103	1.55E-220	FC	ITGB8
IFITM2.5	1.34E-224	0.556517912	0.926	0.814	3.38E-220	FC	IFITM2
EXTL1.3	3.88E-224	-0.33378897	0.044	0.275	9.77E-220	FC	EXTL1
MT-ND2.2	2.22E-223	0.460879517	0.958	0.949	5.60E-219	FC	MT-ND2
LGALS1.3	2.38E-222	1.351803778	0.94	0.925	6.00E-218	FC	LGALS1
CAPS.3	2.56E-222	0.591517273	0.568	0.364	6.45E-218	FC	CAPS
INSIG1.4	5.94E-222	-0.69210546	0.301	0.539	1.50E-217	FC	INSIG1
FRMD6	1.48E-221	0.250044521	0.249	0.084	3.73E-217	FC	FRMD6
JUN.3	8.11E-218	-0.84477084	0.875	0.936	2.04E-213	FC	JUN
MRC2.2	7.24E-217	0.510306697	0.688	0.511	1.82E-212	FC	MRC2
SRSF5.1	7.45E-217	-0.37856696	0.962	0.989	1.88E-212	FC	SRSF5
SH3BP5	8.66E-217	0.380042968	0.515	0.292	2.18E-212	FC	SH3BP5
FOS.4	6.29E-216	-0.84663289	0.962	0.983	1.59E-211	FC	FOS
GLIPR1.3	7.18E-215	-0.51387219	0.475	0.682	1.81E-210	FC	GLIPR1
PDGFRA	2.96E-214	0.428731146	0.464	0.254	7.47E-210	FC	PDGFRA
MIR24-2.2	2.14E-213	-0.63199308	0.501	0.726	5.39E-209	FC	MIR24-2
CHRDL2.4	2.38E-211	-1.20012271	0.075	0.3	5.99E-207	FC	CHRDL2
ANTXR1	2.93E-211	0.384515382	0.394	0.195	7.39E-207	FC	ANTXR1
MGP.1	4.74E-211	-0.55738604	1	1	1.19E-206	FC	MGP
DKK3.3	1.36E-207	0.753434563	0.582	0.396	3.43E-203	FC	DKK3
BHLHE40.4	4.33E-207	-0.75629921	0.689	0.819	1.09E-202	FC	BHLHE40
FXYD6.3	6.68E-207	-0.4957328	0.801	0.889	1.68E-202	FC	FXYD6
AHNAK	1.43E-206	0.516474268	0.87	0.802	3.60E-202	FC	AHNAK
MCL1.2	8.10E-206	-0.4927858	0.766	0.873	2.04E-201	FC	MCL1
FOSB.3	1.15E-205	-0.81271483	0.765	0.87	2.90E-201	FC	FOSB
MIR497HG.1	6.70E-205	-0.34825804	0.215	0.473	1.69E-200	FC	MIR497HG

SULF1	1.61E-204	0.290541827	0.299	0.12	4.06E-200	FC	SULF1
PHACTR2	5.35E-204	0.34654783	0.44	0.235	1.35E-199	FC	PHACTR2
TOMM7	4.38E-203	-0.27591023	0.996	0.998	1.10E-198	FC	TOMM7
LUM.3	6.72E-201	0.617421016	0.999	0.999	1.69E-196	FC	LUM
BHLHE41.3	1.84E-200	-0.5212391	0.417	0.639	4.63E-196	FC	BHLHE41
SNHG8.2	1.62E-198	-0.40570936	0.85	0.945	4.09E-194	FC	SNHG8
RAB31	1.98E-198	0.351112212	0.308	0.134	4.98E-194	FC	RAB31
BLOC1S1	4.67E-198	0.423170685	0.561	0.369	1.18E-193	FC	BLOC1S1
ATF3.5	1.19E-197	-0.74572678	0.396	0.625	3.00E-193	FC	ATF3
ABRACL	1.38E-197	0.276027407	0.355	0.165	3.47E-193	FC	ABRACL
ITGB1.2	3.71E-197	0.486582916	0.845	0.78	9.34E-193	FC	ITGB1
FN1.5	2.27E-195	0.940803131	0.999	0.999	5.71E-191	FC	FN1
IGF1	7.96E-195	0.609062478	0.112	0.02	2.01E-190	FC	IGF1
CD68.2	1.56E-194	0.434417554	0.586	0.396	3.94E-190	FC	CD68
ZFP36.4	4.04E-194	-0.68814248	0.909	0.966	1.02E-189	FC	ZFP36
HMGB1	4.37E-194	0.387294474	0.974	0.967	1.10E-189	FC	HMGB1
AC005152.3.2	6.11E-194	-0.43287027	0.059	0.271	1.54E-189	FC	AC005152.3
NR4A1.5	1.50E-193	-0.76155984	0.42	0.628	3.77E-189	FC	NR4A1
IDI1.3	6.85E-192	-0.5266426	0.415	0.624	1.73E-187	FC	IDI1
MT-CYB.2	7.37E-192	0.498199163	0.96	0.944	1.86E-187	FC	MT-CYB
COL9A1.5	3.02E-191	-0.56281257	0.065	0.278	7.60E-187	FC	COL9A1
NRN1.2	3.19E-191	-0.46928153	0.757	0.886	8.03E-187	FC	NRN1
LTBP3.1	1.01E-190	0.475077109	0.667	0.499	2.55E-186	FC	LTBP3
PLP2.2	1.83E-190	0.513390102	0.901	0.877	4.60E-186	FC	PLP2
ANXA2.1	4.15E-189	0.551459808	0.984	0.981	1.05E-184	FC	ANXA2
SPTSSB.3	1.71E-188	-0.4005158	0.031	0.227	4.31E-184	FC	SPTSSB
NDUFB2	2.62E-187	0.42009635	0.867	0.824	6.59E-183	FC	NDUFB2
PLEKHB1.1	4.11E-187	-0.26614504	0.054	0.259	1.04E-182	FC	PLEKHB1
PLAC9.3	5.14E-187	-0.63876246	0.951	0.976	1.29E-182	FC	PLAC9
VIM.1	1.23E-186	0.519004225	1	1	3.10E-182	FC	VIM
CFD	1.63E-185	0.819542135	0.144	0.035	4.10E-181	FC	CFD
HCFC1R1.3	9.50E-183	0.49248445	0.752	0.611	2.39E-178	FC	HCFC1R1
ENHO	1.30E-182	-0.27508218	0.025	0.213	3.29E-178	FC	ENHO
TMEM50A	6.92E-182	0.439298248	0.674	0.535	1.74E-177	FC	TMEM50A
ADRB2.2	9.15E-182	-0.42853996	0.22	0.447	2.30E-177	FC	ADRB2
SOX9.2	1.27E-181	-0.46771182	0.564	0.757	3.19E-177	FC	SOX9
MAN1A1	2.29E-181	0.256531929	0.33	0.152	5.76E-177	FC	MAN1A1
SIPA1L2	2.64E-181	0.264060707	0.345	0.164	6.66E-177	FC	SIPA1L2
ATP6AP2	3.89E-181	0.415180554	0.749	0.625	9.79E-177	FC	ATP6AP2
DYNC111	4.20E-181	-0.28505511	0.109	0.334	1.06E-176	FC	DYNC111
CALD1.3	1.81E-179	0.47565606	0.842	0.772	4.57E-175	FC	CALD1
CHI3L2.5	8.20E-179	0.895437293	0.928	0.874	2.07E-174	FC	CHI3L2
SERPINI1.3	4.96E-178	-0.45017504	0.19	0.414	1.25E-173	FC	SERPINI1
SERPINF1	1.76E-177	0.509541721	0.107	0.02	4.43E-173	FC	SERPINF1
CNIH1.2	2.10E-177	0.44359629	0.758	0.669	5.30E-173	FC	CNIH1
ARL6IP5	1.59E-176	0.389554858	0.936	0.924	4.00E-172	FC	ARL6IP5
NUPR1L.1	3.88E-175	-0.26370996	0.066	0.27	9.78E-171	FC	NUPR1L
DKK1.4	2.82E-174	-0.64440312	0.032	0.215	7.10E-170	FC	DKK1
SDC2.4	6.44E-174	-0.38306634	0.933	0.965	1.62E-169	FC	SDC2
NPM1	8.65E-174	-0.27875061	0.989	0.996	2.18E-169	FC	NPM1
NRP2.2	1.60E-173	0.369710239	0.487	0.288	4.03E-169	FC	NRP2
LGI4.2	3.09E-173	-0.3201785	0.058	0.257	7.79E-169	FC	LGI4
CD109.1	4.43E-173	0.436334953	0.593	0.427	1.12E-168	FC	CD109
SPARCL1	1.33E-172	0.601403729	0.127	0.029	3.35E-168	FC	SPARCL1
NDUFS5	3.68E-172	0.375186825	0.922	0.899	9.28E-168	FC	NDUFS5
PAPSS2.2	3.23E-171	-0.41254178	0.659	0.81	8.13E-167	FC	PAPSS2
NR1D1.4	9.68E-171	-0.52671479	0.548	0.715	2.44E-166	FC	NR1D1
RPS27L	5.84E-170	0.4631101	0.924	0.901	1.47E-165	FC	RPS27L
ORMDL3	3.08E-169	-0.3482575	0.39	0.607	7.76E-165	FC	ORMDL3
MT-ND3.2	6.84E-169	0.478981491	0.952	0.933	1.72E-164	FC	MT-ND3

CILP.3	1.26E-168	-0.77543302	0.868	0.92	3.19E-164	FC	CILP
RP11-983P16.4.3	1.84E-168	-0.34724246	0.357	0.59	4.64E-164	FC	RP11-983P16.4
MT-CO2.3	2.93E-167	0.482236474	0.959	0.948	7.37E-163	FC	MT-CO2
DYNLL1	2.94E-167	0.369823119	0.954	0.947	7.41E-163	FC	DYNLL1
NFATC1.2	5.13E-167	-0.4570028	0.395	0.598	1.29E-162	FC	NFATC1
ADAMTS6.1	1.46E-166	0.576026705	0.554	0.389	3.67E-162	FC	ADAMTS6
EMP3.2	2.41E-166	0.799846531	0.932	0.925	6.07E-162	FC	EMP3
CTA-29F11.1.3	6.06E-166	-0.37290175	0.208	0.431	1.53E-161	FC	CTA-29F11.1
CUX1	7.64E-165	0.300111574	0.493	0.302	1.92E-160	FC	CUX1
PART1.3	6.52E-164	0.50779455	0.597	0.408	1.64E-159	FC	PART1
CD81.1	1.24E-163	0.488050192	0.697	0.557	3.12E-159	FC	CD81
CNN2.2	2.17E-163	-0.32867523	0.146	0.359	5.46E-159	FC	CNN2
PLTP	3.08E-163	0.379777634	0.283	0.128	7.76E-159	FC	PLTP
CRIP2.1	4.03E-163	0.495661783	0.833	0.775	1.02E-158	FC	CRIP2
PRKCZ	1.71E-160	-0.33960249	0.48	0.685	4.31E-156	FC	PRKCZ
SETD5-AS1.2	1.35E-159	-0.37229888	0.508	0.718	3.40E-155	FC	SETD5-AS1
GADD45B.5	5.64E-159	-0.81384241	0.875	0.929	1.42E-154	FC	GADD45B
LDLR.3	7.51E-159	-0.43915102	0.222	0.431	1.89E-154	FC	LDLR
IFITM10.1	4.55E-158	-0.37052681	0.325	0.535	1.15E-153	FC	IFITM10
COX6B1	9.07E-158	0.321749765	0.926	0.912	2.29E-153	FC	COX6B1
CDKN1A.4	2.14E-157	-0.48836727	0.73	0.858	5.38E-153	FC	CDKN1A
EZR	2.37E-157	0.399337942	0.365	0.196	5.98E-153	FC	EZR
CD55.4	2.03E-156	1.455537958	0.77	0.713	5.11E-152	FC	CD55
SRSF7.2	2.73E-156	-0.54829736	0.783	0.874	6.87E-152	FC	SRSF7
TCEAL2.1	4.78E-155	-0.31260825	0.583	0.811	1.20E-150	FC	TCEAL2
MYL12B	1.80E-154	0.396195999	0.914	0.888	4.53E-150	FC	MYL12B
C10orf54.1	2.81E-152	0.392313446	0.63	0.47	7.08E-148	FC	C10orf54
SCARA3.3	3.55E-152	0.446861051	0.706	0.563	8.95E-148	FC	SCARA3
HSPG2.1	7.28E-152	0.380042116	0.534	0.362	1.83E-147	FC	HSPG2
METTL7A.3	7.74E-152	-0.38034629	0.328	0.553	1.95E-147	FC	METTL7A
SLC44A2.2	1.85E-151	-0.32016481	0.282	0.495	4.66E-147	FC	SLC44A2
ENG	7.31E-151	0.307402994	0.457	0.278	1.84E-146	FC	ENG
GYPC	3.54E-150	0.350209789	0.539	0.367	8.93E-146	FC	GYPC
COL8A2	5.39E-149	0.269780769	0.354	0.189	1.36E-144	FC	COL8A2
CFI	1.25E-148	0.29041468	0.283	0.13	3.16E-144	FC	CFI
NINJ1	1.66E-148	-0.34710927	0.617	0.8	4.18E-144	FC	NINJ1
RPLP0.2	8.31E-148	0.258102901	1	1	2.09E-143	FC	RPLP0
LTBP1.2	1.75E-147	0.479477261	0.525	0.366	4.41E-143	FC	LTBP1
CIRBP	9.09E-147	-0.26953037	0.98	0.995	2.29E-142	FC	CIRBP
ATL3	3.11E-146	0.297712664	0.408	0.237	7.84E-142	FC	ATL3
PTMA.1	5.71E-146	0.273822791	1	0.999	1.44E-141	FC	PTMA
DYSF	2.34E-145	0.25732415	0.21	0.082	5.88E-141	FC	DYSF
CD276	1.58E-144	0.262668515	0.356	0.192	3.97E-140	FC	CD276
DDIT3.2	3.18E-142	-0.47611831	0.621	0.769	8.02E-138	FC	DDIT3
AXL	5.25E-142	0.358379026	0.457	0.288	1.32E-137	FC	AXL
PSD3	9.93E-142	0.348201447	0.577	0.417	2.50E-137	FC	PSD3
SGCA	1.09E-141	0.279440775	0.228	0.096	2.74E-137	FC	SGCA
BEX4	1.57E-141	-0.30514164	0.526	0.735	3.94E-137	FC	BEX4
DLX5.3	1.41E-140	-0.39730597	0.315	0.526	3.56E-136	FC	DLX5
ANXA4.2	2.62E-140	0.476407309	0.673	0.543	6.60E-136	FC	ANXA4
LMAN1.1	3.09E-140	0.366632763	0.695	0.587	7.78E-136	FC	LMAN1
ACTG1.4	7.97E-140	-0.44964959	0.988	0.996	2.01E-135	FC	ACTG1
NDUFA11	2.05E-139	0.312166467	0.915	0.9	5.17E-135	FC	NDUFA11
AKR1C1	4.12E-139	0.4034628	0.285	0.14	1.04E-134	FC	AKR1C1
NDUFS8	4.16E-139	0.4009119	0.57	0.433	1.05E-134	FC	NDUFS8
PROCR.2	1.07E-138	0.545814586	0.634	0.501	2.70E-134	FC	PROCR
TPD52	1.44E-138	-0.28541049	0.326	0.536	3.62E-134	FC	TPD52
TMSB10.3	4.72E-138	0.818034176	0.831	0.776	1.19E-133	FC	TMSB10
TAX1BP3	4.76E-138	0.293632751	0.395	0.233	1.20E-133	FC	TAX1BP3
PSMA7	2.68E-137	0.367053334	0.899	0.876	6.76E-133	FC	PSMA7

TIMP1.4	8.69E-137	0.769312036	0.998	0.995	2.19E-132	FC	TIMP1
COX4I1	2.15E-136	0.272267705	0.957	0.958	5.42E-132	FC	COX4I1
DUSP1.4	3.93E-136	-0.60168697	0.702	0.79	9.89E-132	FC	DUSP1
RAB13	4.32E-136	0.341667058	0.815	0.752	1.09E-131	FC	RAB13
RGS3.2	4.58E-136	-0.44487254	0.714	0.83	1.15E-131	FC	RGS3
COX7B	5.69E-136	0.334796872	0.857	0.825	1.43E-131	FC	COX7B
CYB5D2.1	2.16E-135	-0.28580647	0.314	0.508	5.44E-131	FC	CYB5D2
CCND2.1	3.28E-135	0.337079862	0.518	0.351	8.26E-131	FC	CCND2
CTSA	6.66E-135	0.328057214	0.596	0.441	1.68E-130	FC	CTSA
MVP	1.22E-134	0.330778456	0.496	0.334	3.07E-130	FC	MVP
PLEC	1.73E-134	0.375360525	0.47	0.311	4.36E-130	FC	PLEC
MRPS6.3	7.66E-133	-0.43948304	0.569	0.714	1.93E-128	FC	MRPS6
S100A3	8.15E-133	0.266532095	0.264	0.124	2.05E-128	FC	S100A3
IGF2.4	2.06E-132	-0.39921703	0.145	0.34	5.18E-128	FC	IGF2
SSR3.1	2.52E-132	-0.32739179	0.924	0.968	6.34E-128	FC	SSR3
LMNA.2	6.03E-132	0.492786315	0.965	0.943	1.52E-127	FC	LMNA
AP3S1.3	1.20E-131	-0.36135554	0.809	0.88	3.01E-127	FC	AP3S1
FGF1.1	1.72E-131	-0.31292744	0.304	0.503	4.33E-127	FC	FGF1
VCAN.3	2.23E-131	0.795947188	0.409	0.244	5.63E-127	FC	VCAN
GAPDH.3	9.31E-131	0.250206453	1	1	2.35E-126	FC	GAPDH
HMGCS1.3	1.28E-130	-0.61526924	0.251	0.435	3.22E-126	FC	HMGCS1
NNMT.4	1.85E-130	0.324925822	0.994	0.955	4.65E-126	FC	NNMT
OGN.4	6.72E-130	0.315410157	0.922	0.792	1.69E-125	FC	OGN
DNAJC15	5.23E-129	0.322435047	0.662	0.534	1.32E-124	FC	DNAJC15
MFI2.3	9.73E-129	-0.35130821	0.417	0.602	2.45E-124	FC	MFI2
AP2S1	2.01E-128	0.377391722	0.712	0.625	5.06E-124	FC	AP2S1
WISP3.1	5.89E-128	-0.33599477	0.483	0.681	1.48E-123	FC	WISP3
ADM.3	7.63E-128	-0.34139952	0.309	0.52	1.92E-123	FC	ADM
ATP6V0E1	6.31E-127	0.31893549	0.883	0.865	1.59E-122	FC	ATP6V0E1
LTBP4	1.11E-125	0.323527246	0.534	0.377	2.80E-121	FC	LTBP4
RNH1	1.83E-125	0.364695754	0.798	0.735	4.61E-121	FC	RNH1
MMP14	4.09E-125	0.35666041	0.334	0.183	1.03E-120	FC	MMP14
CYBA	9.46E-125	0.36152715	0.757	0.67	2.38E-120	FC	CYBA
11-Sep	1.67E-124	0.266858709	0.241	0.112	4.20E-120	FC	11-Sep
CAST.1	3.14E-124	0.357956652	0.683	0.565	7.91E-120	FC	CAST
GAS1.5	1.22E-123	0.469584143	0.571	0.396	3.08E-119	FC	GAS1
ATP2B4	5.68E-123	0.270286492	0.452	0.292	1.43E-118	FC	ATP2B4
TUBA1B.1	6.11E-123	0.430040782	0.927	0.901	1.54E-118	FC	TUBA1B
EFEMP1.4	8.02E-123	0.490287419	0.675	0.551	2.02E-118	FC	EFEMP1
FMOD.2	2.18E-122	-0.33736608	0.992	0.995	5.49E-118	FC	FMOD
UQCRQ	5.97E-122	0.302016842	0.903	0.891	1.50E-117	FC	UQCRQ
ATP5H	1.60E-121	0.305073493	0.853	0.806	4.02E-117	FC	ATP5H
TIMP3.3	4.81E-121	1.253519985	0.624	0.547	1.21E-116	FC	TIMP3
GALE.1	1.36E-120	-0.27558293	0.327	0.513	3.42E-116	FC	GALE
TPD52L1.2	9.68E-120	-0.41702833	0.663	0.803	2.44E-115	FC	TPD52L1
CDON.2	1.28E-119	0.389595145	0.568	0.425	3.21E-115	FC	CDON
ARPC3	3.03E-119	0.294093025	0.876	0.851	7.63E-115	FC	ARPC3
PRPSAP1.2	1.65E-118	-0.2624636	0.266	0.455	4.16E-114	FC	PRPSAP1
COL12A1.3	4.04E-117	0.422404673	0.515	0.346	1.02E-112	FC	COL12A1
DIO2.3	6.79E-117	0.404077553	0.367	0.209	1.71E-112	FC	DIO2
ILF3-AS1.1	2.05E-116	-0.2636763	0.257	0.451	5.17E-112	FC	ILF3-AS1
ANKH.2	3.91E-115	0.481253851	0.782	0.732	9.86E-111	FC	ANKH
GRN.2	5.81E-115	0.321223389	0.768	0.667	1.46E-110	FC	GRN
NEAT1.3	6.16E-115	0.374083425	0.996	0.996	1.55E-110	FC	NEAT1
AKR1C2.2	1.65E-114	0.400639533	0.595	0.436	4.15E-110	FC	AKR1C2
CAPG.2	2.58E-114	0.553972546	0.68	0.598	6.49E-110	FC	CAPG
TIMP4.3	8.02E-114	-0.38149388	0.53	0.675	2.02E-109	FC	TIMP4
ARL2	9.50E-114	0.401355999	0.674	0.569	2.39E-109	FC	ARL2
NGFRAP1.3	1.61E-113	-0.3326394	0.85	0.91	4.07E-109	FC	NGFRAP1
DAB2.1	2.20E-113	0.36507669	0.701	0.562	5.54E-109	FC	DAB2

EIF4A2.1	4.18E-113	-0.27054998	0.935	0.973	1.05E-108	FC	EIF4A2
RILPL2	2.22E-112	-0.26529695	0.443	0.615	5.59E-108	FC	RILPL2
GADD45GIP1	7.48E-112	0.293143537	0.827	0.776	1.88E-107	FC	GADD45GIP1
MAP2K6.1	3.59E-111	-0.29193648	0.228	0.411	9.05E-107	FC	MAP2K6
COL10A1.5	5.26E-111	-1.71316671	0.045	0.179	1.33E-106	FC	COL10A1
NR4A2.2	1.66E-110	-0.45162612	0.493	0.649	4.17E-106	FC	NR4A2
APRT	1.87E-110	0.336515202	0.674	0.568	4.71E-106	FC	APRT
MT-CO3.3	2.72E-110	0.365212539	0.959	0.95	6.84E-106	FC	MT-CO3
C6orf48	3.90E-110	-0.26833986	0.908	0.959	9.82E-106	FC	C6orf48
TRPS1.2	9.20E-110	0.336043821	0.666	0.539	2.32E-105	FC	TRPS1
PID1.3	1.90E-109	-0.33825163	0.522	0.679	4.79E-105	FC	PID1
PAIP2	4.76E-109	-0.25359999	0.702	0.828	1.20E-104	FC	PAIP2
HIGD2A	4.99E-109	0.288448716	0.563	0.425	1.26E-104	FC	HIGD2A
MSMO1.3	5.97E-109	-0.39933094	0.243	0.41	1.50E-104	FC	MSMO1
ABL2	6.16E-109	0.301521595	0.336	0.196	1.55E-104	FC	ABL2
NDRG1.2	9.57E-109	0.350323195	0.743	0.638	2.41E-104	FC	NDRG1
DUSP14.2	2.14E-108	-0.41303809	0.486	0.631	5.39E-104	FC	DUSP14
STK17A.1	2.44E-108	-0.30885917	0.294	0.469	6.15E-104	FC	STK17A
EPB41L4A-AS1.1	4.60E-108	-0.26757879	0.693	0.831	1.16E-103	FC	EPB41L4A-AS1
FKBP1A	1.42E-107	0.3202696	0.689	0.603	3.58E-103	FC	FKBP1A
COX5B	4.15E-107	0.252287439	0.933	0.926	1.04E-102	FC	COX5B
IFI27	5.30E-107	0.44403219	0.253	0.129	1.34E-102	FC	IFI27
TSPYL2.2	1.84E-106	-0.28915945	0.359	0.537	4.63E-102	FC	TSPYL2
FOXP1.1	6.36E-106	0.279157861	0.566	0.412	1.60E-101	FC	FOXP1
ANKRD28	5.23E-105	0.332004821	0.577	0.439	1.32E-100	FC	ANKRD28
WBP2	7.44E-105	-0.25467032	0.588	0.733	1.87E-100	FC	WBP2
NDUFA13	1.70E-104	0.305710454	0.811	0.763	4.28E-100	FC	NDUFA13
DLC1.1	1.78E-104	0.251512424	0.446	0.294	4.48E-100	FC	DLC1
ZBTB16	2.26E-104	-0.26534031	0.357	0.537	5.69E-100	FC	ZBTB16
MT-ND1.1	3.37E-104	0.32295875	0.954	0.937	8.49E-100	FC	MT-ND1
ZNHIT1	3.38E-104	0.314365524	0.75	0.686	8.51E-100	FC	ZNHIT1
MFAP4	5.27E-104	0.29876657	0.276	0.148	1.33E-99	FC	MFAP4
PSMD8	7.11E-104	0.295172256	0.754	0.69	1.79E-99	FC	PSMD8
PRELP.2	2.38E-103	-0.48312139	0.997	0.998	5.99E-99	FC	PRELP
ATP5J2	3.09E-103	0.327572849	0.812	0.777	7.79E-99	FC	ATP5J2
CSRNP1.3	1.68E-102	-0.28289542	0.576	0.737	4.24E-98	FC	CSRNP1
AMTN.3	3.11E-102	0.955756987	0.197	0.09	7.84E-98	FC	AMTN
UGDH.1	5.14E-102	0.366395853	0.701	0.616	1.29E-97	FC	UGDH
SRGN	1.26E-101	-0.25555277	0.574	0.753	3.18E-97	FC	SRGN
TPM3	1.62E-101	0.294493295	0.691	0.587	4.09E-97	FC	TPM3
FGFR1.3	2.30E-101	-0.3833868	0.62	0.733	5.79E-97	FC	FGFR1
FBN1	2.65E-101	0.389931926	0.428	0.293	6.68E-97	FC	FBN1
REXO2.2	3.40E-101	0.301168744	0.897	0.863	8.56E-97	FC	REXO2
SRSF3.1	7.49E-101	-0.27208601	0.932	0.969	1.89E-96	FC	SRSF3
NUCKS1	1.14E-100	0.289416829	0.914	0.888	2.87E-96	FC	NUCKS1
RBX1	1.16E-100	0.304615639	0.815	0.777	2.92E-96	FC	RBX1
MMP3.4	1.29E-100	-0.68935398	0.411	0.589	3.25E-96	FC	MMP3
C11orf96.2	2.98E-100	-0.4775305	0.356	0.504	7.52E-96	FC	C11orf96
PSME1	3.60E-100	0.324065713	0.627	0.508	9.08E-96	FC	PSME1
PIM3	4.15E-100	-0.27936635	0.249	0.414	1.05E-95	FC	PIM3
BZW1.2	1.76E-99	0.345986633	0.909	0.883	4.43E-95	FC	BZW1
NFKBIZ.4	2.17E-99	0.298882194	0.64	0.494	5.47E-95	FC	NFKBIZ
GREM1.5	4.03E-99	-0.64881128	0.133	0.283	1.01E-94	FC	GREM1
MYL6.1	6.54E-99	0.40572765	0.985	0.986	1.65E-94	FC	MYL6
PEBP1.2	7.36E-99	-0.26014379	0.94	0.966	1.86E-94	FC	PEBP1
FAM114A1	1.51E-97	0.313375977	0.76	0.706	3.81E-93	FC	FAM114A1
FXYD5.3	2.07E-97	0.283987279	0.951	0.943	5.21E-93	FC	FXYD5
SOD3.2	2.67E-97	-0.34646454	0.856	0.942	6.73E-93	FC	SOD3
FAM43A.3	8.30E-97	-0.32838863	0.127	0.275	2.09E-92	FC	FAM43A
NOP10	4.34E-96	0.31338458	0.783	0.744	1.09E-91	FC	NOP10

AQP3.2	1.05E-95	-0.48041388	0.225	0.386	2.65E-91	FC	AQP3
RABAC1.2	2.29E-95	0.330619278	0.957	0.963	5.77E-91	FC	RABAC1
HSPB6.3	9.66E-95	-0.27764055	0.294	0.454	2.43E-90	FC	HSPB6
YBX3.1	7.90E-94	0.304210594	0.744	0.653	1.99E-89	FC	YBX3
CSTB	2.13E-93	0.287297207	0.867	0.833	5.36E-89	FC	CSTB
RBPJ	6.80E-93	0.278327058	0.588	0.459	1.71E-88	FC	RBPJ
SLPI.3	1.22E-92	-0.64813705	0.104	0.25	3.08E-88	FC	SLPI
GPX8	3.42E-92	0.283025026	0.526	0.403	8.62E-88	FC	GPX8
C4orf48	3.99E-92	0.282902373	0.486	0.359	1.01E-87	FC	C4orf48
PTRF	6.17E-92	0.378739686	0.803	0.753	1.55E-87	FC	PTRF
PRDX1	7.92E-92	0.390387328	0.959	0.958	2.00E-87	FC	PRDX1
TSPAN3.3	7.93E-92	-0.26801613	0.543	0.675	2.00E-87	FC	TSPAN3
COL5A2.4	2.13E-91	0.520876011	0.735	0.643	5.37E-87	FC	COL5A2
WBP5	2.21E-91	0.293649757	0.87	0.825	5.56E-87	FC	WBP5
TMEM59.2	2.52E-91	-0.25261497	0.973	0.986	6.35E-87	FC	TMEM59
CLIC3.1	2.68E-91	0.251368828	0.256	0.134	6.75E-87	FC	CLIC3
CIB1	2.83E-91	0.336074998	0.785	0.737	7.13E-87	FC	CIB1
RARRES2.5	3.54E-91	-0.31918767	0.219	0.393	8.91E-87	FC	RARRES2
YWHAB	5.57E-91	0.289095135	0.748	0.672	1.40E-86	FC	YWHAB
NDFIP1.1	1.43E-90	0.292282258	0.91	0.891	3.61E-86	FC	NDFIP1
ARPC5	2.98E-90	0.312058282	0.68	0.601	7.51E-86	FC	ARPC5
ADIRF.1	1.09E-89	0.509588603	0.946	0.918	2.75E-85	FC	ADIRF
MRGPRF	2.57E-89	0.266391763	0.424	0.289	6.48E-85	FC	MRGPRF
PHLDA1.2	6.67E-89	-0.47399426	0.664	0.76	1.68E-84	FC	PHLDA1
QSOX1.1	7.10E-89	-0.26598867	0.712	0.811	1.79E-84	FC	QSOX1
DAP.3	1.48E-88	-0.26911608	0.602	0.722	3.73E-84	FC	DAP
SMIM14	1.92E-88	0.451252916	0.724	0.687	4.84E-84	FC	SMIM14
LAMB2	2.37E-88	0.29558669	0.603	0.486	5.97E-84	FC	LAMB2
THBS2	1.21E-87	0.277471401	0.211	0.107	3.06E-83	FC	THBS2
MTRNR2L2.1	1.74E-87	-0.33678904	0.335	0.501	4.38E-83	FC	MTRNR2L2
RTN4	2.50E-87	0.270425937	0.888	0.878	6.31E-83	FC	RTN4
15-Sep	3.30E-87	0.281527748	0.725	0.666	8.32E-83	FC	15-Sep
TSPYL1	7.89E-87	-0.27175528	0.419	0.574	1.99E-82	FC	TSPYL1
FOXO1	1.38E-86	0.301771699	0.456	0.331	3.49E-82	FC	FOXO1
LRP1	1.93E-86	0.300905437	0.886	0.848	4.87E-82	FC	LRP1
RHOB.4	2.63E-86	-0.3878473	0.707	0.803	6.63E-82	FC	RHOB
DRAP1	3.19E-86	0.297863439	0.727	0.663	8.04E-82	FC	DRAP1
OSTC.5	4.95E-86	0.314199313	0.853	0.843	1.25E-81	FC	OSTC
SEMA3A.1	1.55E-85	0.359790115	0.366	0.242	3.90E-81	FC	SEMA3A
PSMB3	6.27E-85	0.271661836	0.754	0.684	1.58E-80	FC	PSMB3
TOB1.2	7.96E-85	-0.30745567	0.517	0.648	2.01E-80	FC	TOB1
SLC39A14.5	9.31E-85	0.340996617	0.786	0.741	2.34E-80	FC	SLC39A14
CTNNA1	1.07E-84	0.259453486	0.631	0.521	2.69E-80	FC	CTNNA1
XBP1.1	1.41E-84	-0.25712358	0.907	0.947	3.56E-80	FC	XBP1
PFKP.2	1.44E-84	0.383646959	0.739	0.683	3.63E-80	FC	PFKP
S100A16	1.75E-84	0.348732926	0.472	0.351	4.40E-80	FC	S100A16
AEBP1.4	3.07E-84	0.357124745	0.911	0.834	7.73E-80	FC	AEBP1
FAM127A	1.74E-83	0.26252747	0.728	0.662	4.39E-79	FC	FAM127A
AKAP13	2.06E-83	0.264235576	0.608	0.489	5.18E-79	FC	AKAP13
ITGAV	2.49E-83	0.26461536	0.525	0.404	6.27E-79	FC	ITGAV
FLNA	6.25E-83	0.333932536	0.424	0.303	1.58E-78	FC	FLNA
ZFP36L2.1	3.64E-82	0.286087107	0.482	0.344	9.18E-78	FC	ZFP36L2
TUBB2A.1	1.52E-81	-0.26811456	0.576	0.711	3.84E-77	FC	TUBB2A
HERPUD1.1	1.80E-81	-0.27068857	0.893	0.934	4.55E-77	FC	HERPUD1
MATN2	3.31E-81	0.345433789	0.384	0.268	8.35E-77	FC	MATN2
RHOA	7.36E-81	0.289456958	0.899	0.904	1.85E-76	FC	RHOA
GNAS.1	6.12E-80	0.312251566	0.811	0.768	1.54E-75	FC	GNAS
GFPT2.1	3.21E-79	0.535145447	0.412	0.294	8.10E-75	FC	GFPT2
AUP1	3.45E-79	0.251254117	0.567	0.465	8.69E-75	FC	AUP1
AKR1B1	4.56E-78	0.288771133	0.52	0.404	1.15E-73	FC	AKR1B1

DNAJB1.1	4.63E-78	-0.33940361	0.677	0.78	1.17E-73	FC	DNAJB1
GALNT15.4	4.79E-78	0.301563154	0.607	0.485	1.21E-73	FC	GALNT15
PDLIM4	5.42E-78	0.25439208	0.799	0.722	1.37E-73	FC	PDLIM4
JUND.2	5.50E-78	-0.31919108	0.736	0.818	1.38E-73	FC	JUND
TIPARP.1	8.04E-78	-0.2851286	0.455	0.603	2.03E-73	FC	TIPARP
CD44.3	9.19E-78	0.391419394	0.743	0.678	2.31E-73	FC	CD44
SLC7A2.3	1.02E-77	0.443888085	0.46	0.356	2.56E-73	FC	SLC7A2
ATP5G1	1.28E-77	0.266899262	0.75	0.696	3.21E-73	FC	ATP5G1
GPX1.1	2.28E-77	0.274068505	0.811	0.765	5.73E-73	FC	GPX1
IBSP.5	3.10E-77	-2.45785892	0.066	0.176	7.82E-73	FC	IBSP
MPG	1.06E-76	0.256694761	0.66	0.577	2.67E-72	FC	MPG
YIF1A.1	1.29E-76	0.292220407	0.722	0.668	3.24E-72	FC	YIF1A
MSN	1.95E-76	0.287805326	0.597	0.501	4.90E-72	FC	MSN
PTN.2	2.46E-75	0.537968033	0.326	0.213	6.20E-71	FC	PTN
IGFBP6.5	3.70E-75	0.769444351	0.756	0.691	9.32E-71	FC	IGFBP6
CD83.2	4.57E-75	-0.27060459	0.069	0.183	1.15E-70	FC	CD83
SREK1IP1	6.82E-75	0.281528274	0.584	0.482	1.72E-70	FC	SREK1IP1
POSTN	7.18E-75	0.614706462	0.122	0.049	1.81E-70	FC	POSTN
NDUFS6	1.05E-74	0.268842744	0.706	0.65	2.64E-70	FC	NDUFS6
HES1.4	2.16E-74	-0.49370955	0.387	0.525	5.43E-70	FC	HES1
CD47	3.84E-74	0.27581186	0.609	0.501	9.67E-70	FC	CD47
DDIT4.2	1.26E-73	-0.5416043	0.409	0.546	3.17E-69	FC	DDIT4
GLRX.5	1.11E-72	0.2917222	0.587	0.461	2.80E-68	FC	GLRX
CDO1.2	3.65E-72	-0.29321242	0.931	0.968	9.18E-68	FC	CDO1
DST.2	4.32E-72	0.258400251	0.85	0.806	1.09E-67	FC	DST
TSPAN4	7.50E-72	0.27719652	0.683	0.58	1.89E-67	FC	TSPAN4
ARPC2	4.67E-71	0.255157813	0.884	0.885	1.18E-66	FC	ARPC2
LHFP	5.86E-71	0.264987791	0.502	0.384	1.48E-66	FC	LHFP
CD82	7.98E-71	0.270880841	0.351	0.24	2.01E-66	FC	CD82
ISG15	9.73E-71	0.255581976	0.163	0.077	2.45E-66	FC	ISG15
EPB41L2.1	1.24E-70	0.295984397	0.667	0.569	3.13E-66	FC	EPB41L2
IQGAP1	3.07E-70	0.255774149	0.667	0.586	7.74E-66	FC	IQGAP1
FNDC1	9.94E-70	0.371057331	0.234	0.136	2.50E-65	FC	FNDC1
GLI3.2	2.95E-69	0.300934305	0.535	0.428	7.44E-65	FC	GLI3
COX7A1.1	5.88E-69	0.288539906	0.877	0.866	1.48E-64	FC	COX7A1
7-Sep	4.02E-68	0.256040466	0.868	0.847	1.01E-63	FC	7-Sep
LOXL2.3	4.71E-68	0.279270383	0.366	0.248	1.19E-63	FC	LOXL2
OMD.1	5.23E-68	-0.59035333	0.591	0.673	1.32E-63	FC	OMD
SDF2L1	9.85E-68	0.275629786	0.494	0.389	2.48E-63	FC	SDF2L1
KLF10.4	2.62E-67	-0.35228142	0.493	0.616	6.59E-63	FC	KLF10
CILP2.4	1.09E-66	-0.52877956	0.708	0.777	2.74E-62	FC	CILP2
SERTAD4-AS1.2	2.75E-66	-0.27530084	0.551	0.669	6.92E-62	FC	SERTAD4-AS1
SDC4.1	3.31E-66	-0.43248071	0.496	0.614	8.33E-62	FC	SDC4
SNAI2.3	5.05E-66	-0.28313168	0.473	0.615	1.27E-61	FC	SNAI2
SKIL.1	7.08E-66	-0.25866946	0.509	0.624	1.78E-61	FC	SKIL
GPR64	1.83E-65	0.26059328	0.422	0.311	4.62E-61	FC	GPR64
PIM1.3	8.64E-65	-0.34403433	0.22	0.345	2.18E-60	FC	PIM1
MAFB.3	2.21E-64	0.297534053	0.396	0.274	5.56E-60	FC	MAFB
CPE.3	3.15E-64	-0.29067685	0.254	0.387	7.93E-60	FC	CPE
LIMA1	6.46E-63	0.265717636	0.529	0.419	1.63E-58	FC	LIMA1
TM4SF1.2	2.38E-60	0.274867592	0.697	0.613	5.99E-56	FC	TM4SF1
MEF2C.3	4.00E-60	-0.27790839	0.334	0.463	1.01E-55	FC	MEF2C
EGR3.3	1.25E-59	-0.31904095	0.165	0.274	3.14E-55	FC	EGR3
HM13	1.46E-59	0.255634672	0.653	0.599	3.68E-55	FC	HM13
MT1X.2	9.18E-58	-0.37552272	0.994	0.994	2.31E-53	FC	MT1X
PPIC.3	1.78E-57	0.251012125	0.793	0.732	4.48E-53	FC	PPIC
RP11-572C15.6	1.85E-56	0.343967542	0.419	0.325	4.66E-52	FC	RP11-572C15.6
GLUL.3	2.88E-56	0.290700442	0.642	0.554	7.27E-52	FC	GLUL
PAPPA.2	3.56E-56	0.328017045	0.184	0.103	8.98E-52	FC	PAPPA
MXRA8.1	4.94E-55	0.273939534	0.81	0.763	1.25E-50	FC	MXRA8

ANXA1.1	1.08E-54	0.293693589	0.982	0.978	2.71E-50	FC	ANXA1
TNFRSF11B.5	1.73E-53	-0.38089537	0.712	0.814	4.37E-49	FC	TNFRSF11B
RAMP1.4	4.38E-53	-0.33054067	0.174	0.284	1.10E-48	FC	RAMP1
ID2.1	2.25E-51	-0.37023742	0.906	0.924	5.67E-47	FC	ID2
HSPA1A.1	2.79E-51	-0.43021844	0.734	0.806	7.03E-47	FC	HSPA1A
SERPINH1.2	7.80E-49	0.279181201	0.665	0.586	1.97E-44	FC	SERPINH1
SLC29A1.3	5.22E-44	-0.26071166	0.738	0.811	1.31E-39	FC	SLC29A1
AK1.3	6.07E-44	0.316716662	0.859	0.865	1.53E-39	FC	AK1
FABP3	3.05E-43	0.45081844	0.137	0.074	7.68E-39	FC	FABP3
DDAH2	4.02E-43	0.25832035	0.521	0.449	1.01E-38	FC	DDAH2
THBS4.2	4.69E-43	0.26792041	0.249	0.169	1.18E-38	FC	THBS4
TAGLN.4	1.81E-42	-0.37271739	0.134	0.231	4.56E-38	FC	TAGLN
MEG3.3	6.93E-42	-0.41648152	0.441	0.532	1.75E-37	FC	MEG3
SPARC.2	2.01E-37	-0.42930088	0.974	0.976	5.06E-33	FC	SPARC
HSPA1B.1	3.13E-35	-0.35770781	0.622	0.694	7.90E-31	FC	HSPA1B
CAPN2	4.87E-34	0.264449069	0.509	0.455	1.23E-29	FC	CAPN2
ICAM1.4	5.05E-34	-0.43379189	0.438	0.531	1.27E-29	FC	ICAM1
MSMP	1.52E-33	0.997393747	0.114	0.063	3.83E-29	FC	MSMP
CAV1.1	2.37E-32	0.317882824	0.775	0.775	5.98E-28	FC	CAV1
CCDC80.1	4.95E-32	0.522243707	0.856	0.869	1.25E-27	FC	CCDC80
ZFP36L1.1	1.91E-31	0.272883966	0.809	0.772	4.82E-27	FC	ZFP36L1
HIST1H1C.2	2.10E-31	-0.26377826	0.202	0.284	5.28E-27	FC	HIST1H1C
NFATC2.2	2.40E-29	-0.29867775	0.499	0.561	6.06E-25	FC	NFATC2
CRYAB.4	1.61E-28	-0.46074936	0.789	0.83	4.07E-24	FC	CRYAB
UAP1	5.24E-28	0.286382547	0.702	0.686	1.32E-23	FC	UAP1
CD9.2	1.21E-27	0.5442629	0.94	0.958	3.05E-23	FC	CD9
MT1E.2	8.89E-22	-0.33449158	0.992	0.991	2.24E-17	FC	MT1E
IGFBP7.2	3.48E-21	0.256209189	0.622	0.584	8.77E-17	FC	IGFBP7
ENPP1.1	1.87E-17	0.348765369	0.72	0.714	4.71E-13	FC	ENPP1
C1S.1	4.49E-17	0.277751171	0.862	0.854	1.13E-12	FC	C1S
ANXA5	8.78E-16	0.264830171	0.936	0.941	2.21E-11	FC	ANXA5
SERPINE2.3	4.39E-15	0.370281546	0.646	0.611	1.11E-10	FC	SERPINE2
RND1.3	5.90E-15	-0.25304394	0.164	0.216	1.49E-10	FC	RND1
CYP1B1.1	1.52E-14	0.460356651	0.388	0.366	3.83E-10	FC	CYP1B1
MT1G.2	7.16E-12	-0.68992584	0.74	0.753	1.80E-07	FC	MT1G
IER3.4	1.96E-09	-0.50277547	0.874	0.869	4.94E-05	FC	IER3
SPP1.5	4.90E-09	-1.46484034	0.356	0.381	0.000123	FC	SPP1
NPC2.2	5.99E-07	0.267563421	0.93	0.952	0.0151	FC	NPC2
RGS16.4	1.90E-05	-0.30317396	0.706	0.749	0.477786	FC	RGS16
CHI3L1.5	0.000193	0.313768018	0.762	0.793	1	FC	CHI3L1
RCAN1.3	0.000265	-0.300854	0.673	0.681	1	FC	RCAN1
KLF6.4	0.000488	-0.25804353	0.773	0.771	1	FC	KLF6
TNP1	1.00E-200	1.110050212	0.121	0.004	2.53E-196	preFC	TNP1
WNT16	1.77E-192	1.013132476	0.241	0.021	4.47E-188	preFC	WNT16
IL11	1.30E-168	3.788135762	0.376	0.06	3.29E-164	preFC	IL11
COCH	1.30E-156	0.897515862	0.342	0.051	3.27E-152	preFC	COCH
SPP1.6	6.59E-116	3.510532611	0.765	0.37	1.66E-111	preFC	SPP1
CLIC3.2	3.78E-115	1.370465714	0.515	0.148	9.53E-111	preFC	CLIC3
LAMB3	1.47E-104	0.410422927	0.26	0.043	3.70E-100	preFC	LAMB3
KCNN4.1	8.32E-104	0.334423284	0.399	0.091	2.10E-99	preFC	KCNN4
TNFSF11.1	8.59E-102	0.487028169	0.401	0.094	2.16E-97	preFC	TNFSF11
AOC2	4.04E-101	0.623662875	0.472	0.132	1.02E-96	preFC	AOC2
S100A2	9.08E-101	2.143299852	0.362	0.082	2.29E-96	preFC	S100A2
DUSP4	3.97E-100	0.364722158	0.207	0.029	1.00E-95	preFC	DUSP4
TGM2	6.52E-100	1.087294807	0.597	0.208	1.64E-95	preFC	TGM2
LINC00545	4.17E-94	0.69398879	0.385	0.096	1.05E-89	preFC	LINC00545
PAPPA.3	8.86E-85	1.693649975	0.396	0.111	2.23E-80	preFC	PAPPA
TMEM59L	2.55E-83	0.293786645	0.244	0.045	6.41E-79	preFC	TMEM59L
TNFRSF11B.6	1.29E-82	1.984782072	0.973	0.794	3.24E-78	preFC	TNFRSF11B
LEPREL1	1.13E-80	0.587534291	0.449	0.143	2.85E-76	preFC	LEPREL1

CXCL14	2.93E-80	1.834847307	0.287	0.064	7.39E-76	preFC	CXCL14
DNER.1	4.61E-78	0.571012709	0.551	0.203	1.16E-73	preFC	DNER
ANKH.3	4.72E-78	1.153413534	0.938	0.737	1.19E-73	preFC	ANKH
S100A6.3	4.22E-77	1.191405043	1	0.999	1.06E-72	preFC	S100A6
TREM1.4	2.33E-76	0.575037958	0.342	0.086	5.88E-72	preFC	TREM1
CRYAB.5	9.13E-75	1.279689097	0.973	0.82	2.30E-70	preFC	CRYAB
SEMA3D	1.15E-74	0.956454005	0.572	0.23	2.90E-70	preFC	SEMA3D
CRLF1.6	1.65E-74	0.940425565	0.592	0.239	4.15E-70	preFC	CRLF1
IGFBP5.5	6.31E-74	2.518915717	0.547	0.223	1.59E-69	preFC	IGFBP5
FN1.6	6.86E-73	1.164690505	1	0.999	1.73E-68	preFC	FN1
COL10A1.6	3.87E-71	0.888329747	0.462	0.151	9.74E-67	preFC	COL10A1
TIMP1.5	4.19E-67	1.119939565	1	0.995	1.06E-62	preFC	TIMP1
IBSP.6	2.27E-66	0.835512529	0.451	0.153	5.73E-62	preFC	IBSP
AK1.4	2.14E-64	0.671130407	0.989	0.862	5.39E-60	preFC	AK1
OCIAD2	9.26E-64	0.417235059	0.542	0.215	2.33E-59	preFC	OCIAD2
MFI2.4	2.45E-63	0.627801397	0.879	0.566	6.17E-59	preFC	MFI2
CFH.5	2.96E-63	-1.6930708	0.904	0.948	7.45E-59	preFC	CFH
MFGE8.5	4.39E-62	0.753991991	0.993	0.944	1.11E-57	preFC	MFGE8
DSC2	2.48E-60	0.329383959	0.282	0.074	6.25E-56	preFC	DSC2
BGN.2	8.00E-59	-0.62859884	0.998	0.999	2.02E-54	preFC	BGN
NOVA1.1	1.02E-58	0.893350181	0.711	0.396	2.56E-54	preFC	NOVA1
CPE.4	2.04E-58	0.544306024	0.72	0.358	5.15E-54	preFC	CPE
COX17	1.07E-56	0.695177038	0.932	0.744	2.71E-52	preFC	COX17
TNFAIP6.6	3.06E-56	1.158991573	0.485	0.196	7.71E-52	preFC	TNFAIP6
SERPINE2.4	1.27E-55	1.723688035	0.822	0.613	3.20E-51	preFC	SERPINE2
F13A1.1	1.61E-55	0.30932198	0.346	0.106	4.05E-51	preFC	F13A1
AGR2.1	2.24E-55	0.65800314	0.232	0.055	5.63E-51	preFC	AGR2
C1S.2	3.13E-55	-0.76315674	0.704	0.858	7.88E-51	preFC	C1S
IGFBP6.6	3.31E-55	1.15298427	0.934	0.698	8.33E-51	preFC	IGFBP6
TSPAN13.4	4.27E-54	0.400412719	0.695	0.34	1.08E-49	preFC	TSPAN13
LSP1.2	2.39E-53	-0.72788227	0.731	0.894	6.02E-49	preFC	LSP1
SCD	2.56E-53	0.454793655	0.506	0.209	6.44E-49	preFC	SCD
MGP.2	3.07E-53	0.979660727	1	1	7.74E-49	preFC	MGP
PLA2G2A.3	1.88E-52	-1.09782551	0.979	0.99	4.73E-48	preFC	PLA2G2A
S100A13.4	3.75E-52	0.625781073	1	0.976	9.46E-48	preFC	S100A13
DSG2	5.97E-52	0.342204783	0.465	0.184	1.51E-47	preFC	DSG2
SLC29A1.4	1.00E-51	0.710864826	0.961	0.796	2.53E-47	preFC	SLC29A1
FSTL3	1.09E-51	0.434865176	0.301	0.091	2.74E-47	preFC	FSTL3
TIMP2.3	1.53E-51	0.904132703	0.907	0.726	3.86E-47	preFC	TIMP2
HMGA1	1.87E-51	0.348634327	0.287	0.083	4.70E-47	preFC	HMGA1
EMP3.3	7.98E-51	0.594126032	0.984	0.925	2.01E-46	preFC	EMP3
HTRA1.6	4.23E-50	1.257500375	0.923	0.822	1.06E-45	preFC	HTRA1
CD59.3	4.36E-50	0.602335098	0.998	0.942	1.10E-45	preFC	CD59
DDX5.2	8.96E-50	-0.68178331	0.986	0.989	2.26E-45	preFC	DDX5
SORBS2.1	1.16E-49	0.315433927	0.46	0.18	2.92E-45	preFC	SORBS2
ITGB5.2	1.77E-49	0.47327983	0.597	0.289	4.46E-45	preFC	ITGB5
FURIN.1	2.31E-48	0.537535739	0.62	0.327	5.82E-44	preFC	FURIN
MT-CO2.4	5.25E-48	0.694240998	0.95	0.949	1.32E-43	preFC	MT-CO2
NNMT.5	1.31E-46	-0.9315167	0.895	0.963	3.30E-42	preFC	NNMT
SHC4	5.09E-46	0.291112554	0.456	0.185	1.28E-41	preFC	SHC4
S100A1.5	7.71E-46	0.600287108	0.995	0.893	1.94E-41	preFC	S100A1
FGFBP2.4	8.10E-46	0.7072472	1	0.96	2.04E-41	preFC	FGFBP2
PLAUR.5	1.47E-45	0.603195538	0.633	0.328	3.71E-41	preFC	PLAUR
ADAMTS6.2	1.51E-45	0.583249285	0.727	0.411	3.79E-41	preFC	ADAMTS6
RPL10.1	1.99E-45	-0.34520968	0.998	1	5.01E-41	preFC	RPL10
NPM1.1	2.54E-44	-0.43935303	0.984	0.995	6.40E-40	preFC	NPM1
VIM.2	4.11E-44	-0.49087115	1	1	1.04E-39	preFC	VIM
CD55.5	6.41E-44	1.595404449	0.872	0.72	1.61E-39	preFC	CD55
RPL5	3.37E-43	-0.35543657	1	0.999	8.50E-39	preFC	RPL5
SERPINA1.5	4.97E-43	0.726097069	0.998	0.967	1.25E-38	preFC	SERPINA1

NGF.3	1.45E-42	0.766660139	0.485	0.231	3.65E-38	preFC	NGF
ARPC1B.3	3.18E-42	0.659567162	0.841	0.616	8.01E-38	preFC	ARPC1B
EEF2.1	2.89E-41	-0.43356375	0.989	0.995	7.29E-37	preFC	EEF2
FGF2	2.92E-41	0.551778609	0.768	0.502	7.36E-37	preFC	FGF2
TIMP3.4	4.25E-41	0.570153054	0.836	0.555	1.07E-36	preFC	TIMP3
FIBIN.3	1.03E-40	-0.9318443	0.736	0.845	2.60E-36	preFC	FIBIN
PTGES.4	2.28E-40	0.972883647	0.624	0.368	5.74E-36	preFC	PTGES
PDLIM7.3	8.12E-40	0.353017875	0.61	0.315	2.05E-35	preFC	PDLIM7
CAPS.4	8.14E-40	0.498364141	0.692	0.393	2.05E-35	preFC	CAPS
RABAC1.3	9.00E-40	0.395229159	0.993	0.961	2.27E-35	preFC	RABAC1
TSPO.2	1.50E-39	0.406917961	0.995	0.951	3.77E-35	preFC	TSPO
RPL15.2	2.28E-39	-0.33398646	1	1	5.75E-35	preFC	RPL15
FGF1.2	2.55E-39	0.812634526	0.747	0.465	6.44E-35	preFC	FGF1
RPL10A.1	2.76E-39	-0.32604353	1	1	6.95E-35	preFC	RPL10A
PMEPA1.1	8.15E-39	0.670909812	0.925	0.763	2.05E-34	preFC	PMEPA1
IVNS1ABP.2	3.07E-38	0.63478603	0.904	0.745	7.72E-34	preFC	IVNS1ABP
HNRNPA1.2	3.81E-38	-0.40347477	0.993	0.998	9.59E-34	preFC	HNRNPA1
S100A3.1	5.69E-38	0.529198903	0.364	0.144	1.43E-33	preFC	S100A3
EIF3E.2	9.31E-38	-0.46477452	0.959	0.975	2.35E-33	preFC	EIF3E
PCOLCE.5	1.79E-37	-0.85666572	0.67	0.833	4.52E-33	preFC	PCOLCE
SEMA3C.1	3.42E-37	0.253228046	0.292	0.103	8.61E-33	preFC	SEMA3C
DSP	6.63E-37	0.337087257	0.41	0.178	1.67E-32	preFC	DSP
CNN3.1	8.45E-37	-0.58554563	0.788	0.868	2.13E-32	preFC	CNN3
SDC2.5	2.05E-36	-0.54190898	0.932	0.96	5.17E-32	preFC	SDC2
FXYD5.4	8.22E-36	0.419000003	0.982	0.944	2.07E-31	preFC	FXYD5
COLGALT2.1	1.08E-35	0.480696432	0.777	0.511	2.72E-31	preFC	COLGALT2
EIF1.2	1.53E-35	-0.35268594	1	1	3.86E-31	preFC	EIF1
PLP2.3	4.48E-35	0.505717465	0.954	0.88	1.13E-30	preFC	PLP2
ID3.2	5.21E-35	-0.93258373	0.54	0.723	1.31E-30	preFC	ID3
ZFP36.5	5.50E-35	-1.0743913	0.913	0.957	1.38E-30	preFC	ZFP36
INO80C	9.62E-35	0.423270937	0.499	0.255	2.42E-30	preFC	INO80C
CIRBP.1	1.32E-34	-0.42971331	0.989	0.992	3.33E-30	preFC	CIRBP
PHLDA2.3	2.57E-34	0.461256057	0.815	0.57	6.46E-30	preFC	PHLDA2
C1R.6	5.25E-34	-0.74906071	0.503	0.677	1.32E-29	preFC	C1R
MIA.4	5.57E-34	0.475225261	1	0.96	1.40E-29	preFC	MIA
SRSF5.2	9.50E-34	-0.48079127	0.979	0.985	2.39E-29	preFC	SRSF5
NEBL.1	1.28E-33	0.380490722	0.777	0.509	3.23E-29	preFC	NEBL
EEF1A1.1	1.56E-33	-0.30663681	1	1	3.92E-29	preFC	EEF1A1
RPS13	1.59E-33	-0.29348351	1	0.999	4.00E-29	preFC	RPS13
VAMP8	1.81E-33	0.291146871	0.567	0.293	4.57E-29	preFC	VAMP8
ENO1.1	2.67E-33	-0.45946195	0.998	0.996	6.74E-29	preFC	ENO1
LTBP1.3	2.89E-33	0.382174642	0.663	0.388	7.29E-29	preFC	LTBP1
RPL11	5.79E-33	-0.27360757	1	1	1.46E-28	preFC	RPL11
FAM129B	2.32E-32	0.345611853	0.606	0.343	5.85E-28	preFC	FAM129B
ATP5E.3	2.55E-32	0.406352589	0.982	0.956	6.43E-28	preFC	ATP5E
NAP1L1.1	2.98E-32	-0.40610922	0.966	0.975	7.52E-28	preFC	NAP1L1
CCND1.3	1.01E-31	0.31162204	0.355	0.146	2.55E-27	preFC	CCND1
RPL21.1	1.08E-31	-0.27118761	1	1	2.72E-27	preFC	RPL21
SSR4.2	1.20E-31	0.385041329	0.998	0.969	3.04E-27	preFC	SSR4
EFEMP1.5	1.94E-31	-0.73809726	0.364	0.576	4.89E-27	preFC	EFEMP1
SLC9A3R2	2.18E-31	0.388050945	0.431	0.209	5.50E-27	preFC	SLC9A3R2
NT5E.4	2.22E-31	0.522887274	0.711	0.475	5.60E-27	preFC	NT5E
ENPP1.2	3.23E-31	0.788982677	0.895	0.711	8.14E-27	preFC	ENPP1
LTBP3.2	3.83E-31	0.423971878	0.768	0.522	9.66E-27	preFC	LTBP3
FRZB.5	4.82E-31	-1.0608987	0.647	0.822	1.21E-26	preFC	FRZB
IGFBP3	7.44E-31	0.469631826	0.205	0.066	1.87E-26	preFC	IGFBP3
CAPG.3	1.22E-30	0.362378888	0.841	0.608	3.07E-26	preFC	CAPG
SH3BGRL3.3	1.24E-30	0.448012071	0.979	0.968	3.12E-26	preFC	SH3BGRL3
PRKCDBP.2	1.43E-30	0.425189819	0.923	0.768	3.60E-26	preFC	PRKCDBP
EIF4A1.2	2.10E-30	-0.50148083	0.938	0.958	5.28E-26	preFC	EIF4A1

MT-CYB.3	2.27E-30	0.533984565	0.959	0.947	5.73E-26	preFC	MT-CYB
COL6A3.4	2.28E-30	0.703522864	0.763	0.565	5.73E-26	preFC	COL6A3
C4orf48.1	3.17E-30	0.307429103	0.658	0.375	7.98E-26	preFC	C4orf48
IFITM3.6	4.22E-30	-0.65313188	0.952	0.972	1.06E-25	preFC	IFITM3
RPL6.1	6.08E-30	-0.2613601	1	1	1.53E-25	preFC	RPL6
EIF4A2.2	1.02E-29	-0.44771176	0.952	0.967	2.58E-25	preFC	EIF4A2
SERPING1.3	1.14E-29	-0.64236932	0.829	0.866	2.88E-25	preFC	SERPING1
SLC20A1.2	1.25E-29	0.442894757	0.829	0.623	3.15E-25	preFC	SLC20A1
LMNA.3	1.88E-29	-0.65820303	0.911	0.947	4.73E-25	preFC	LMNA
CHST3	1.91E-29	0.364256686	0.738	0.475	4.80E-25	preFC	CHST3
RHOD.1	1.97E-29	0.304984446	0.665	0.393	4.96E-25	preFC	RHOD
S100A4.6	2.16E-29	0.779122452	0.82	0.613	5.45E-25	preFC	S100A4
CCNL1.3	2.69E-29	-0.61005561	0.811	0.876	6.77E-25	preFC	CCNL1
TSC22D1.4	3.38E-29	-0.75436169	0.984	0.974	8.50E-25	preFC	TSC22D1
RP11-456H18.2	3.54E-29	0.309292773	0.405	0.191	8.91E-25	preFC	RP11-456H18.2
FXVD6.4	6.00E-29	0.407383273	0.973	0.873	1.51E-24	preFC	FXVD6
ANK3.4	6.46E-29	0.326514546	0.615	0.347	1.63E-24	preFC	ANK3
MT-CO3.4	9.78E-29	0.576009929	0.964	0.951	2.47E-24	preFC	MT-CO3
UBC	1.28E-28	-0.60076806	0.993	0.998	3.22E-24	preFC	UBC
TGFB1.1	1.50E-28	0.80742542	0.72	0.482	3.77E-24	preFC	TGFB1
HSP90AB1	1.53E-28	-0.35993624	0.989	0.997	3.86E-24	preFC	HSP90AB1
CD63.4	1.82E-28	0.304857331	1	0.998	4.59E-24	preFC	CD63
HNRNPA0.1	2.12E-28	-0.41284505	0.827	0.872	5.35E-24	preFC	HNRNPA0
INSIG1.5	2.18E-28	0.426524402	0.747	0.495	5.49E-24	preFC	INSIG1
PRDX1.1	2.53E-28	0.472595728	0.989	0.958	6.36E-24	preFC	PRDX1
NUCB1	2.59E-28	-0.38444252	0.87	0.903	6.52E-24	preFC	NUCB1
RPS5.1	2.91E-28	-0.28072564	1	0.999	7.33E-24	preFC	RPS5
TCEB2.1	3.05E-28	0.338210179	0.973	0.938	7.67E-24	preFC	TCEB2
SERPINE1.2	3.07E-28	0.585467645	0.651	0.416	7.72E-24	preFC	SERPINE1
HLA-B.1	3.14E-28	-0.43670596	0.957	0.979	7.91E-24	preFC	HLA-B
GDF10.5	3.25E-28	-0.72462725	0.403	0.643	8.18E-24	preFC	GDF10
MT-ATP6.3	4.05E-28	0.49598173	0.957	0.95	1.02E-23	preFC	MT-ATP6
SQLE.1	5.59E-28	0.433955038	0.565	0.326	1.41E-23	preFC	SQLE
SERF2.2	6.73E-28	0.288295042	0.998	0.998	1.70E-23	preFC	SERF2
PTGS2	9.44E-28	0.451585519	0.499	0.271	2.38E-23	preFC	PTGS2
HLA-C	1.13E-27	-0.36301146	0.975	0.99	2.84E-23	preFC	HLA-C
ABHD2.1	1.20E-27	0.35971644	0.485	0.256	3.03E-23	preFC	ABHD2
RP11-572C15.6.1	1.40E-27	0.40686454	0.563	0.337	3.54E-23	preFC	RP11-572C15.6
RPL3.1	2.51E-27	-0.26959797	1	1	6.32E-23	preFC	RPL3
C9orf16	8.05E-27	0.347396416	0.875	0.642	2.03E-22	preFC	C9orf16
SGK1.2	1.18E-26	0.459983811	0.729	0.48	2.97E-22	preFC	SGK1
EEF1B2	1.90E-26	-0.30977286	0.995	0.994	4.79E-22	preFC	EEF1B2
RPS2.2	2.04E-26	-0.32967124	1	1	5.15E-22	preFC	RPS2
MT-ND4.3	2.48E-26	0.479391224	0.966	0.954	6.24E-22	preFC	MT-ND4
HMG2.1	2.87E-26	-0.42241713	0.841	0.894	7.23E-22	preFC	HMG2
CAPN2.1	4.51E-26	0.335668751	0.713	0.46	1.14E-21	preFC	CAPN2
CD81.2	4.96E-26	0.325653691	0.813	0.576	1.25E-21	preFC	CD81
HSPD1.1	5.51E-26	-0.45465136	0.759	0.831	1.39E-21	preFC	HSPD1
SERTAD1.2	1.15E-25	-0.65559636	0.759	0.828	2.89E-21	preFC	SERTAD1
TM4SF1.3	1.27E-25	0.448482917	0.838	0.623	3.21E-21	preFC	TM4SF1
RPS23.1	1.33E-25	-0.26800659	1	0.999	3.34E-21	preFC	RPS23
ADAMTSL2	1.38E-25	0.272984144	0.383	0.181	3.48E-21	preFC	ADAMTSL2
COX7A2	2.81E-25	0.330362922	0.977	0.971	7.08E-21	preFC	COX7A2
ATF4	3.27E-25	-0.3678346	0.975	0.978	8.23E-21	preFC	ATF4
RPL4.1	4.92E-25	-0.28767742	1	0.998	1.24E-20	preFC	RPL4
CD151.3	5.79E-25	0.442554335	0.934	0.838	1.46E-20	preFC	CD151
CCDC80.2	1.21E-24	0.505092857	0.961	0.865	3.05E-20	preFC	CCDC80
RPL29.1	1.27E-24	-0.27638985	0.995	0.998	3.20E-20	preFC	RPL29
SMIM14.1	1.94E-24	0.460218545	0.836	0.691	4.88E-20	preFC	SMIM14
EIF4B	2.34E-24	-0.33086424	0.825	0.862	5.91E-20	preFC	EIF4B

RPS8	2.54E-24	-0.28035954	0.998	0.999	6.41E-20	preFC	RPS8
SOCS3.3	2.66E-24	-0.93551762	0.736	0.81	6.70E-20	preFC	SOCS3
SRSF3.2	3.39E-24	-0.44717885	0.945	0.963	8.55E-20	preFC	SRSF3
LAPTM4A	3.70E-24	-0.30295816	0.989	0.993	9.32E-20	preFC	LAPTM4A
ACAT2	3.73E-24	0.358772821	0.456	0.242	9.40E-20	preFC	ACAT2
NDUFS8.1	4.67E-24	0.298206168	0.695	0.451	1.18E-19	preFC	NDUFS8
HNRNPA2B1	9.19E-24	-0.36773583	0.975	0.977	2.32E-19	preFC	HNRNPA2B1
PRELP.3	9.32E-24	0.340814541	1	0.997	2.35E-19	preFC	PRELP
RHOC.3	1.28E-23	0.383175291	0.95	0.875	3.23E-19	preFC	RHOC
PPP1R15A.5	1.47E-23	-0.79871358	0.661	0.751	3.70E-19	preFC	PPP1R15A
MRPS6.4	4.36E-23	0.37052427	0.877	0.686	1.10E-18	preFC	MRPS6
MT1X.3	4.48E-23	-0.7223832	0.993	0.994	1.13E-18	preFC	MT1X
NRP2.3	5.13E-23	0.331804559	0.54	0.317	1.29E-18	preFC	NRP2
FTH1.1	6.70E-23	-0.37678374	1	1	1.69E-18	preFC	FTH1
BTG1.4	8.52E-23	-0.64764249	0.9	0.932	2.15E-18	preFC	BTG1
GPC6.3	9.07E-23	-0.46455171	0.629	0.741	2.28E-18	preFC	GPC6
FDPS	4.07E-22	0.532211646	0.706	0.5	1.03E-17	preFC	FDPS
PGK1	4.95E-22	-0.35954203	0.968	0.98	1.25E-17	preFC	PGK1
ATP1B3	5.38E-22	0.357560854	0.788	0.592	1.36E-17	preFC	ATP1B3
OST4.1	6.63E-22	0.2568099	0.995	0.983	1.67E-17	preFC	OST4
FUS.1	1.16E-21	-0.40433827	0.897	0.91	2.93E-17	preFC	FUS
CHPF.1	1.63E-21	0.358004159	0.856	0.679	4.11E-17	preFC	CHPF
CNBP	3.86E-21	-0.30487315	0.925	0.956	9.73E-17	preFC	CNBP
RBMX	6.99E-21	-0.38335337	0.768	0.818	1.76E-16	preFC	RBMX
SRSF2	7.65E-21	-0.4065897	0.811	0.854	1.93E-16	preFC	SRSF2
NDUFA1.2	1.15E-20	0.297852365	0.984	0.941	2.90E-16	preFC	NDUFA1
MRPL41	1.17E-20	0.265279215	0.827	0.616	2.94E-16	preFC	MRPL41
CHI3L2.6	1.61E-20	-1.52133793	0.825	0.884	4.06E-16	preFC	CHI3L2
PRDX5.1	2.15E-20	0.291630717	0.941	0.872	5.41E-16	preFC	PRDX5
GTF3C6	2.76E-20	0.28585466	0.749	0.555	6.96E-16	preFC	GTF3C6
MYEOV2	2.91E-20	0.275448358	0.938	0.802	7.34E-16	preFC	MYEOV2
PDPN.4	3.54E-20	0.313632031	0.929	0.765	8.91E-16	preFC	PDPN
MT-CO1.3	3.98E-20	0.496308435	0.954	0.948	1.00E-15	preFC	MT-CO1
TMSB10.4	4.35E-20	0.477420388	0.913	0.783	1.10E-15	preFC	TMSB10
ZFAS1.1	6.48E-20	-0.32070476	0.961	0.977	1.63E-15	preFC	ZFAS1
TSPAN6.3	7.70E-20	0.38669746	0.895	0.72	1.94E-15	preFC	TSPAN6
OS9	8.32E-20	-0.30869145	0.916	0.917	2.10E-15	preFC	OS9
HMGCS1.4	1.01E-19	0.280784372	0.636	0.401	2.55E-15	preFC	HMGCS1
MSI2	1.04E-19	0.253257306	0.617	0.401	2.62E-15	preFC	MSI2
AMTN.4	1.14E-19	0.768803502	0.241	0.106	2.88E-15	preFC	AMTN
LARP6.1	1.41E-19	0.27144746	0.665	0.443	3.54E-15	preFC	LARP6
B2M.1	1.50E-19	-0.27701401	0.998	1	3.79E-15	preFC	B2M
DIO3	1.65E-19	0.383092946	0.116	0.035	4.17E-15	preFC	DIO3
EIF3L	1.86E-19	-0.30860119	0.913	0.916	4.70E-15	preFC	EIF3L
DBI.1	2.19E-19	0.287272621	0.954	0.871	5.51E-15	preFC	DBI
RERG	2.43E-19	-0.3766811	0.46	0.603	6.13E-15	preFC	RERG
UGP2.4	2.98E-19	0.476977377	0.929	0.874	7.50E-15	preFC	UGP2
RBM3.1	4.82E-19	-0.31336025	0.909	0.917	1.21E-14	preFC	RBM3
PNRC1.3	4.97E-19	-0.474241	0.708	0.779	1.25E-14	preFC	PNRC1
ATOX1.1	5.32E-19	0.278162017	0.863	0.698	1.34E-14	preFC	ATOX1
P4HB.2	5.60E-19	-0.33096854	0.977	0.973	1.41E-14	preFC	P4HB
HLA-A.1	5.84E-19	-0.32027527	0.984	0.991	1.47E-14	preFC	HLA-A
STK38L.5	6.00E-19	0.271558197	0.893	0.677	1.51E-14	preFC	STK38L
SERBP1	1.22E-18	-0.31164816	0.891	0.915	3.08E-14	preFC	SERBP1
MT-ND3.3	1.29E-18	0.390861577	0.943	0.936	3.24E-14	preFC	MT-ND3
S100A10.4	1.30E-18	0.337908045	0.998	0.994	3.26E-14	preFC	S100A10
MT-ND5.2	1.61E-18	0.355820784	0.941	0.933	4.05E-14	preFC	MT-ND5
TBCB.2	2.06E-18	0.344372074	0.866	0.709	5.19E-14	preFC	TBCB
FKBP2.2	2.23E-18	0.300293552	0.936	0.837	5.63E-14	preFC	FKBP2
CYB5R3.1	2.76E-18	0.296860865	0.966	0.92	6.95E-14	preFC	CYB5R3

EMC10.1	2.90E-18	0.292568199	0.759	0.549	7.30E-14	preFC	EMC10
SLC22A17.2	3.12E-18	0.314652349	0.738	0.547	7.86E-14	preFC	SLC22A17
PSAP	3.51E-18	-0.25703527	0.995	0.991	8.83E-14	preFC	PSAP
DAB2.2	3.85E-18	-0.44081751	0.469	0.587	9.71E-14	preFC	DAB2
MMP3.5	4.71E-18	-1.71021443	0.428	0.561	1.19E-13	preFC	MMP3
SSPN	4.75E-18	-0.36535431	0.599	0.689	1.20E-13	preFC	SSPN
SLC26A2.1	4.78E-18	0.264131929	0.651	0.431	1.20E-13	preFC	SLC26A2
ST13	5.90E-18	-0.29648492	0.936	0.937	1.49E-13	preFC	ST13
RSL24D1.2	6.08E-18	-0.31876793	0.868	0.886	1.53E-13	preFC	RSL24D1
ZFP36L1.2	7.11E-18	-0.42043217	0.688	0.779	1.79E-13	preFC	ZFP36L1
HIF1A.1	2.07E-17	-0.40317918	0.713	0.749	5.22E-13	preFC	HIF1A
CSPG4.1	2.08E-17	0.323234192	0.713	0.503	5.24E-13	preFC	CSPG4
SLC39A14.6	3.21E-17	0.364493722	0.861	0.746	8.09E-13	preFC	SLC39A14
PABPC1.1	4.37E-17	-0.30939157	0.909	0.918	1.10E-12	preFC	PABPC1
RPS4X.1	4.68E-17	-0.25201548	1	1	1.18E-12	preFC	RPS4X
C5orf15.1	9.70E-17	-0.36700386	0.649	0.716	2.44E-12	preFC	C5orf15
DNAJA1.2	9.79E-17	-0.41815904	0.738	0.776	2.47E-12	preFC	DNAJA1
SNHG8.3	1.18E-16	-0.37770149	0.92	0.929	2.96E-12	preFC	SNHG8
CSRNP1.4	1.27E-16	-0.45787218	0.658	0.711	3.21E-12	preFC	CSRNP1
C2orf40.4	1.28E-16	0.531628051	1	0.999	3.24E-12	preFC	C2orf40
ATP5J2.1	1.34E-16	0.273658986	0.891	0.78	3.39E-12	preFC	ATP5J2
PTGES3	1.36E-16	-0.27655347	0.872	0.894	3.42E-12	preFC	PTGES3
FGFR1.4	1.63E-16	0.319434135	0.886	0.711	4.11E-12	preFC	FGFR1
COX7A1.2	2.76E-16	0.307560931	0.952	0.866	6.96E-12	preFC	COX7A1
MEF2C.4	4.19E-16	0.257400209	0.67	0.438	1.05E-11	preFC	MEF2C
SOD1	4.25E-16	-0.25286177	0.995	0.995	1.07E-11	preFC	SOD1
SRPX2.4	4.62E-16	0.327035043	0.765	0.571	1.16E-11	preFC	SRPX2
HSPA8.1	6.50E-16	-0.45719018	0.888	0.915	1.64E-11	preFC	HSPA8
HLA-E.2	6.52E-16	-0.34886787	0.79	0.847	1.64E-11	preFC	HLA-E
CSGALNACT1	7.36E-16	-0.34789915	0.622	0.699	1.85E-11	preFC	CSGALNACT1
IBTK.1	7.92E-16	0.325751114	0.599	0.393	1.99E-11	preFC	IBTK
FHL1.1	8.37E-16	-0.43698165	0.779	0.846	2.11E-11	preFC	FHL1
LRRFIP1.1	1.60E-15	0.27546996	0.897	0.757	4.03E-11	preFC	LRRFIP1
HNRNPDL	1.61E-15	-0.30728081	0.9	0.92	4.05E-11	preFC	HNRNPDL
ACTG1.5	1.77E-15	-0.42478678	0.998	0.995	4.46E-11	preFC	ACTG1
RARRES2.6	2.02E-15	-0.56881537	0.203	0.367	5.08E-11	preFC	RARRES2
H3F3B.3	2.24E-15	-0.32923185	1	1	5.65E-11	preFC	H3F3B
HSPA1A.2	2.44E-15	-0.94784463	0.729	0.795	6.15E-11	preFC	HSPA1A
SERPINH1.3	2.86E-15	-0.3986431	0.499	0.601	7.20E-11	preFC	SERPINH1
TNFRSF12A.1	3.23E-15	0.620279355	0.793	0.701	8.14E-11	preFC	TNFRSF12A
C6orf48.1	4.19E-15	-0.26266754	0.945	0.951	1.06E-10	preFC	C6orf48
HNRNPC	5.83E-15	-0.29591115	0.925	0.939	1.47E-10	preFC	HNRNPC
HNRNPK	7.74E-15	-0.27909998	0.92	0.929	1.95E-10	preFC	HNRNPK
TF.5	9.46E-15	0.314830664	0.745	0.529	2.38E-10	preFC	TF
MALAT1.2	1.03E-14	-0.33313415	1	1	2.60E-10	preFC	MALAT1
CIB1.1	1.07E-14	0.270799504	0.87	0.742	2.70E-10	preFC	CIB1
NCL	2.74E-14	-0.31847833	0.884	0.896	6.89E-10	preFC	NCL
HNRNPF	3.48E-14	-0.31793084	0.633	0.686	8.76E-10	preFC	HNRNPF
KCNMA1.1	4.02E-14	0.403058599	0.802	0.656	1.01E-09	preFC	KCNMA1
EIF5.2	4.23E-14	-0.3374402	0.941	0.947	1.07E-09	preFC	EIF5
ACTB.5	4.33E-14	-0.43966303	0.993	0.997	1.09E-09	preFC	ACTB
JUN.4	7.07E-14	-0.96108047	0.916	0.926	1.78E-09	preFC	JUN
XBP1.2	7.44E-14	-0.33480319	0.936	0.94	1.87E-09	preFC	XBP1
IQGAP1.1	8.07E-14	0.270773978	0.759	0.596	2.03E-09	preFC	IQGAP1
CSTB.1	8.10E-14	0.267407458	0.909	0.837	2.04E-09	preFC	CSTB
HNRNPA3	8.31E-14	-0.27794888	0.843	0.859	2.09E-09	preFC	HNRNPA3
COL12A1.4	1.13E-13	-0.46313589	0.241	0.376	2.85E-09	preFC	COL12A1
POLR2L.2	1.27E-13	0.264018615	0.938	0.883	3.19E-09	preFC	POLR2L
COL9A3.5	1.28E-13	-0.53796493	0.945	0.899	3.22E-09	preFC	COL9A3
GEM.5	1.36E-13	-0.70183551	0.765	0.8	3.42E-09	preFC	GEM

NRN1.3	1.53E-13	-0.37963652	0.886	0.864	3.87E-09	preFC	NRN1
ATP6V0B	1.65E-13	0.574036065	0.822	0.697	4.17E-09	preFC	ATP6V0B
TMEM167A	2.20E-13	0.255768907	0.795	0.652	5.54E-09	preFC	TMEM167A
MCL1.3	2.36E-13	-0.41266512	0.879	0.855	5.94E-09	preFC	MCL1
ID2.2	3.56E-13	-0.5290769	0.891	0.921	8.96E-09	preFC	ID2
FDFT1	3.57E-13	0.26850598	0.608	0.427	8.98E-09	preFC	FDFT1
TSPAN2.4	5.10E-13	0.391354884	0.813	0.711	1.28E-08	preFC	TSPAN2
GREM1.6	5.38E-13	-0.66676272	0.116	0.26	1.36E-08	preFC	GREM1
HSPA1B.2	6.43E-13	-0.82446003	0.601	0.684	1.62E-08	preFC	HSPA1B
EIF4H	6.98E-13	-0.2726841	0.781	0.773	1.76E-08	preFC	EIF4H
IMPDH2	7.40E-13	-0.27543074	0.629	0.685	1.87E-08	preFC	IMPDH2
A2M.3	8.52E-13	0.329429895	0.585	0.407	2.15E-08	preFC	A2M
CALR	8.57E-13	-0.27890019	0.943	0.948	2.16E-08	preFC	CALR
RPL17.2	1.96E-12	-0.25308619	0.911	0.91	4.95E-08	preFC	RPL17
LIF	1.97E-12	0.349071161	0.175	0.082	4.96E-08	preFC	LIF
CTSD	2.57E-12	-0.32269434	0.902	0.925	6.47E-08	preFC	CTSD
CCDC85B.1	3.54E-12	-0.31538507	0.738	0.766	8.92E-08	preFC	CCDC85B
SBDS	3.67E-12	-0.31176324	0.904	0.896	9.24E-08	preFC	SBDS
P4HA1.2	4.12E-12	-0.28421011	0.829	0.829	1.04E-07	preFC	P4HA1
CLK1	9.31E-12	-0.29579105	0.679	0.725	2.35E-07	preFC	CLK1
IFITM2.6	9.49E-12	-0.51547308	0.829	0.832	2.39E-07	preFC	IFITM2
MT-ND2.3	1.06E-11	0.313154509	0.954	0.95	2.66E-07	preFC	MT-ND2
GLT8D2.1	1.08E-11	-0.28902225	0.451	0.53	2.72E-07	preFC	GLT8D2
CPQ	1.24E-11	-0.28125758	0.613	0.648	3.12E-07	preFC	CPQ
HMGB2.1	1.62E-11	-0.31398251	0.444	0.553	4.08E-07	preFC	HMGB2
EFEMP2.2	1.82E-11	-0.26854911	0.706	0.719	4.59E-07	preFC	EFEMP2
TIPARP.2	1.95E-11	-0.43087325	0.503	0.58	4.92E-07	preFC	TIPARP
CDKN1A.5	2.21E-11	-0.4459529	0.854	0.837	5.57E-07	preFC	CDKN1A
COL6A1.4	3.19E-11	0.435489672	0.875	0.839	8.04E-07	preFC	COL6A1
TUBB4B.2	3.54E-11	-0.41008293	0.838	0.85	8.93E-07	preFC	TUBB4B
MYADM.2	4.63E-11	-0.36988107	0.886	0.869	1.17E-06	preFC	MYADM
HNRNPU	4.71E-11	-0.2800201	0.651	0.697	1.19E-06	preFC	HNRNPU
TUBB2B.5	5.00E-11	-0.50365206	0.572	0.63	1.26E-06	preFC	TUBB2B
SQSTM1.1	6.11E-11	-0.34279168	0.909	0.924	1.54E-06	preFC	SQSTM1
DDIT3.3	6.12E-11	-0.45522575	0.711	0.745	1.54E-06	preFC	DDIT3
TUBB	6.19E-11	-0.30816902	0.815	0.836	1.56E-06	preFC	TUBB
HERPUD1.2	6.93E-11	-0.32436856	0.934	0.927	1.75E-06	preFC	HERPUD1
ABI3BP.5	7.32E-11	0.288134231	0.679	0.481	1.84E-06	preFC	ABI3BP
SBSPON.2	8.21E-11	-0.38334739	0.349	0.467	2.07E-06	preFC	SBSPON
TNFRSF1A.1	1.04E-10	-0.29821035	0.718	0.715	2.61E-06	preFC	TNFRSF1A
IFRD1.1	1.73E-10	-0.3129903	0.599	0.645	4.35E-06	preFC	IFRD1
PPP1R10.1	1.83E-10	-0.3341059	0.533	0.589	4.62E-06	preFC	PPP1R10
ADIRF.2	2.41E-10	-0.43939082	0.877	0.923	6.08E-06	preFC	ADIRF
ANGPTL4.4	2.55E-10	0.360599481	0.747	0.622	6.43E-06	preFC	ANGPTL4
PPP1R3C.5	2.56E-10	-0.6449526	0.656	0.699	6.44E-06	preFC	PPP1R3C
SOD2.4	3.82E-10	-0.7760653	0.829	0.858	9.62E-06	preFC	SOD2
COL9A1.6	4.42E-10	-0.47418603	0.134	0.245	1.11E-05	preFC	COL9A1
PRG4.5	4.51E-10	0.458990595	0.538	0.383	1.14E-05	preFC	PRG4
KLF4.4	4.52E-10	-0.5549367	0.863	0.845	1.14E-05	preFC	KLF4
INHBA.1	6.03E-10	0.89950059	0.795	0.696	1.52E-05	preFC	INHBA
CCNB1IP1	6.11E-10	-0.25047994	0.437	0.518	1.54E-05	preFC	CCNB1IP1
FOSB.4	6.20E-10	-0.79351868	0.866	0.853	1.56E-05	preFC	FOSB
ID1.2	6.42E-10	-0.49075106	0.642	0.697	1.62E-05	preFC	ID1
CILP2.5	8.73E-10	-0.61540475	0.729	0.766	2.20E-05	preFC	CILP2
NDRG2.5	9.52E-10	-0.28666566	0.588	0.684	2.40E-05	preFC	NDRG2
TUBA1B.2	1.17E-09	-0.32857882	0.891	0.905	2.96E-05	preFC	TUBA1B
ASS1	1.31E-09	-0.27969093	0.585	0.623	3.30E-05	preFC	ASS1
TNNT3.2	1.49E-09	-0.5765785	0.235	0.338	3.76E-05	preFC	TNNT3
SRSF7.3	1.72E-09	-0.44612953	0.875	0.859	4.34E-05	preFC	SRSF7
COL11A2.5	1.83E-09	-0.34605957	0.745	0.75	4.60E-05	preFC	COL11A2

NAMPT.2	2.08E-09	-0.37922788	0.378	0.453	5.24E-05	preFC	NAMPT
C1orf63	2.31E-09	-0.31074911	0.608	0.649	5.82E-05	preFC	C1orf63
SNHG7	3.88E-09	-0.25752211	0.59	0.619	9.77E-05	preFC	SNHG7
LBH.2	4.25E-09	-0.42443475	0.421	0.488	0.000107	preFC	LBH
CHI3L1.6	4.31E-09	-1.43605879	0.754	0.789	0.000109	preFC	CHI3L1
ADM.4	4.94E-09	-0.50223804	0.392	0.487	0.000125	preFC	ADM
LIMA1.1	4.97E-09	-0.33603554	0.353	0.438	0.000125	preFC	LIMA1
RBP4.6	6.23E-09	0.340081316	0.811	0.704	0.000157	preFC	RBP4
RP11-983P16.4.4	6.48E-09	-0.29412161	0.478	0.553	0.000163	preFC	RP11-983P16.4
TPM2.2	7.58E-09	-0.29384413	0.829	0.83	0.000191	preFC	TPM2
SNAI2.4	7.60E-09	-0.39026156	0.533	0.592	0.000191	preFC	SNAI2
COL9A2.5	8.87E-09	-0.61696285	0.736	0.693	0.000224	preFC	COL9A2
HMOX1.2	1.12E-08	-0.98378016	0.289	0.386	0.000281	preFC	HMOX1
ITM2A.5	1.19E-08	-0.50259829	0.74	0.698	0.0003	preFC	ITM2A
THBS1.2	1.23E-08	-0.33054553	0.337	0.455	0.00031	preFC	THBS1
CDO1.3	1.61E-08	-0.29140794	0.97	0.962	0.000406	preFC	CDO1
SLC40A1.2	2.77E-08	-0.38560896	0.262	0.349	0.000699	preFC	SLC40A1
TGFBI.6	3.19E-08	-0.36873267	0.585	0.384	0.000805	preFC	TGFBI
DNAJB1.2	3.93E-08	-0.53616465	0.731	0.763	0.000991	preFC	DNAJB1
GBP2.3	4.33E-08	-0.31749549	0.403	0.474	0.00109	preFC	GBP2
GBE1	4.63E-08	-0.29752153	0.51	0.538	0.001167	preFC	GBE1
EPB41L2.2	5.65E-08	-0.27177005	0.554	0.586	0.001422	preFC	EPB41L2
NASP	5.82E-08	-0.26589251	0.465	0.513	0.001467	preFC	NASP
WWP2.5	5.96E-08	-0.36702355	0.891	0.836	0.001502	preFC	WWP2
ARID5B.3	6.85E-08	-0.43629305	0.64	0.646	0.001726	preFC	ARID5B
HSP90AA1	8.09E-08	-0.29726116	0.986	0.985	0.00204	preFC	HSP90AA1
PNN	1.08E-07	-0.2600833	0.695	0.688	0.002712	preFC	PNN
DDIT4.3	1.16E-07	-0.67610791	0.433	0.525	0.00293	preFC	DDIT4
G0S2.1	1.18E-07	0.412842316	0.301	0.194	0.002976	preFC	G0S2
COL2A1.4	1.30E-07	-0.77445989	0.943	0.932	0.003276	preFC	COL2A1
MAOB	1.50E-07	-0.28693294	0.412	0.473	0.003787	preFC	MAOB
CD14	1.57E-07	-0.4042245	0.371	0.45	0.003962	preFC	CD14
LIMCH1	1.60E-07	-0.26319466	0.581	0.614	0.004039	preFC	LIMCH1
ARID5A.1	1.83E-07	-0.33502473	0.408	0.467	0.004607	preFC	ARID5A
NR4A2.3	1.90E-07	-0.38735317	0.588	0.624	0.004779	preFC	NR4A2
ADSSL1	1.91E-07	-0.26349894	0.415	0.486	0.0048	preFC	ADSSL1
TPD52L1.3	2.11E-07	-0.3349394	0.788	0.779	0.005316	preFC	TPD52L1
CYR61.6	2.42E-07	-0.62221035	0.941	0.941	0.006088	preFC	CYR61
HSPA5	2.83E-07	-0.26037481	0.913	0.911	0.00712	preFC	HSPA5
OSMR.3	2.92E-07	-0.32913722	0.572	0.597	0.007358	preFC	OSMR
JUNB.5	3.48E-07	-0.55058623	1	0.994	0.008777	preFC	JUNB
SERPINB1	6.21E-07	-0.31295569	0.519	0.549	0.015642	preFC	SERPINB1
SERTAD4-AS1.3	6.65E-07	-0.3043754	0.638	0.649	0.016762	preFC	SERTAD4-AS1
RGS16.5	6.94E-07	-0.66479408	0.708	0.743	0.01749	preFC	RGS16
BAG3	7.01E-07	-0.32361891	0.567	0.574	0.017674	preFC	BAG3
MAFB.4	8.86E-07	-0.38406377	0.212	0.296	0.022329	preFC	MAFB
GTF2B	9.36E-07	-0.28672285	0.46	0.496	0.023573	preFC	GTF2B
MATN3.6	1.20E-06	-0.66892116	0.535	0.557	0.030141	preFC	MATN3
BRD2	1.28E-06	-0.27906846	0.743	0.724	0.032358	preFC	BRD2
TXNIP.2	1.38E-06	-0.39348113	0.449	0.501	0.034815	preFC	TXNIP
PDK4.3	1.42E-06	-0.43444311	0.171	0.26	0.035766	preFC	PDK4
HSPB1.4	1.52E-06	-0.31358056	0.938	0.948	0.038221	preFC	HSPB1
MYC.2	1.69E-06	-0.48676826	0.244	0.316	0.042646	preFC	MYC
NFKBIA.4	2.23E-06	-0.7385865	0.872	0.882	0.056064	preFC	NFKBIA
MAP2K3	2.73E-06	-0.26174586	0.478	0.503	0.068696	preFC	MAP2K3
HEXIM1.2	3.85E-06	-0.29601506	0.547	0.56	0.096936	preFC	HEXIM1
ICAM1.5	4.58E-06	-0.68081611	0.487	0.516	0.115329	preFC	ICAM1
COL6A2.5	5.46E-06	0.25525679	0.895	0.888	0.137473	preFC	COL6A2
IFI16.1	5.97E-06	-0.25853015	0.317	0.369	0.150417	preFC	IFI16
SLC3A2	7.01E-06	-0.27717436	0.544	0.566	0.176615	preFC	SLC3A2

GADD45A.1	1.01E-05	-0.27773904	0.428	0.483	0.25502	preFC	GADD45A
CTGF.4	1.15E-05	-0.33626631	0.97	0.982	0.289819	preFC	CTGF
CLU.6	1.29E-05	-0.33434738	1	1	0.325724	preFC	CLU
ASPN.4	1.79E-05	-0.99501939	0.622	0.607	0.450285	preFC	ASPN
PGAM1.1	1.80E-05	0.337203226	0.948	0.932	0.452413	preFC	PGAM1
ANGPTL2.3	2.41E-05	-0.27015274	0.95	0.9	0.606496	preFC	ANGPTL2
SNAPC1	2.97E-05	-0.25833915	0.563	0.564	0.747707	preFC	SNAPC1
IRF1.3	2.99E-05	-0.51222636	0.465	0.508	0.753244	preFC	IRF1
RGS3.3	3.12E-05	-0.34731992	0.852	0.81	0.785071	preFC	RGS3
NFKBIZ.5	3.24E-05	-0.46883472	0.499	0.518	0.81632	preFC	NFKBIZ
PHLDA1.3	3.96E-05	-0.37780518	0.772	0.744	0.997009	preFC	PHLDA1
GLI3.3	4.25E-05	-0.2528384	0.426	0.446	1	preFC	GLI3
GADD45B.6	4.25E-05	-0.68618265	0.923	0.92	1	preFC	GADD45B
ARRDC3.1	5.00E-05	-0.26716756	0.301	0.359	1	preFC	ARRDC3
CHMP1B	7.11E-05	-0.25029708	0.636	0.612	1	preFC	CHMP1B
SLPI.4	8.03E-05	-0.33459694	0.323	0.224	1	preFC	SLPI
DLX5.4	0.000104	-0.30934393	0.472	0.492	1	preFC	DLX5
CLEC3A.6	0.000121	-0.65558202	0.815	0.748	1	preFC	CLEC3A
RASD1.6	0.000154	-0.64754549	0.599	0.641	1	preFC	RASD1
PGAM2	0.00017	0.350989856	0.123	0.075	1	preFC	PGAM2
VASN.1	0.000193	-0.25425388	0.752	0.712	1	preFC	VASN
TAC1.1	0.000223	0.596047214	0.112	0.067	1	preFC	TAC1
PIK3R1.2	0.00024	-0.3214892	0.346	0.386	1	preFC	PIK3R1
ATF3.6	0.000342	-0.52891537	0.581	0.587	1	preFC	ATF3
HILPDA	0.000349	-0.36496689	0.301	0.34	1	preFC	HILPDA
TPM4.3	0.000362	-0.27274464	0.665	0.651	1	preFC	TPM4
WTAP.2	0.000386	-0.2734204	0.679	0.657	1	preFC	WTAP
TCF4.4	0.000403	-0.25209562	0.62	0.597	1	preFC	TCF4
CRISPLD1.5	0.000559	-0.51118501	0.446	0.509	1	preFC	CRISPLD1
CA9	0.00057	-0.27567418	0.374	0.404	1	preFC	CA9
PART1.4	0.000617	-0.35090617	0.412	0.44	1	preFC	PART1
FSTL1.4	0.000649	-0.27642845	0.683	0.666	1	preFC	FSTL1
TMSB4X.6	0.000785	-0.75392542	0.838	0.775	1	preFC	TMSB4X
KLF10.5	0.00087	-0.34578968	0.62	0.596	1	preFC	KLF10
ANXA1.2	0.001018	-0.26515485	0.984	0.979	1	preFC	ANXA1
HAPLN1.5	0.001062	-0.41955267	0.995	0.95	1	preFC	HAPLN1
FOS.5	0.001073	-0.54403312	0.991	0.979	1	preFC	FOS
COL1A1.6	0.001251	-1.21177701	0.2	0.135	1	preFC	COL1A1
NR4A1.6	0.001271	-0.48236291	0.592	0.593	1	preFC	NR4A1
MT1E.3	0.001448	-0.25363647	0.977	0.991	1	preFC	MT1E
GPRC5A.2	0.001521	-0.26931893	0.522	0.526	1	preFC	GPRC5A
VCAM1.6	0.001833	-0.53889765	0.13	0.178	1	preFC	VCAM1
RPS4Y1	0.001951	-0.30929616	0.292	0.339	1	preFC	RPS4Y1
ERRFI1.2	0.002045	-0.45766274	0.827	0.784	1	preFC	ERRFI1
MIR24-2.3	0.002192	-0.47762544	0.745	0.688	1	preFC	MIR24-2
CYP1B1.2	0.002203	-0.3121253	0.342	0.37	1	preFC	CYP1B1
AQP1.5	0.002257	-0.25576342	0.159	0.105	1	preFC	AQP1
OGN.5	0.004099	-0.40549675	0.79	0.814	1	preFC	OGN
MEG3.4	0.004466	-0.30064184	0.49	0.518	1	preFC	MEG3
SLC25A37.3	0.004728	-0.26581666	0.854	0.814	1	preFC	SLC25A37
KCNQ1OT1	0.005105	-0.27351473	0.61	0.605	1	preFC	KCNQ1OT1
CRTAC1.4	0.006784	-0.45469248	0.815	0.751	1	preFC	CRTAC1
SPARC.3	0.007773	-0.4058596	0.991	0.976	1	preFC	SPARC