

Additional file 1: Table S1: Clinicopathological characteristics of SLE patients

Group	METTL1 Expression	Label	Age	Sex	SLEDAI	Vasculitis	Myositis	Fever	Hypocomplementamis
High METTL1 expression	1.802	SLE-1	29	FEMALE	6	NO	NO	NO	NO
High METTL1 expression	1.383	SLE-2	32	MALE	10	YES	NO	NO	YES
High METTL1 expression	1.31	SLE-3	19	FEMALE	8	NO	NO	NO	NO
High METTL1 expression	1.151	SLE-4	18	FEMALE	0	NO	NO	NO	NO
High METTL1 expression	1.133	SLE-5	27	FEMALE	18	NO	NO	NO	NO
High METTL1 expression	1.091	SLE-6	41	FEMALE	2	NO	NO	NO	NO
High METTL1 expression	1.002	SLE-7	38	FEMALE	0	NO	NO	NO	NO
High METTL1 expression	0.982	SLE-8	24	FEMALE	7	NO	NO	YES	YES
High METTL1 expression	0.971	SLE-9	43	FEMALE	7	NO	NO	NO	YES
High METTL1 expression	0.884	SLE-10	30	FEMALE	11	NO	NO	NO	YES
High METTL1 expression	0.874	SLE-11	18	FEMALE	0	NO	NO	NO	NO
High METTL1 expression	0.862	SLE-12	44	FEMALE	4	NO	NO	NO	NO
High METTL1 expression	0.841	SLE-13	49	FEMALE	6	NO	NO	NO	YES
High METTL1 expression	0.698	SLE-14	21	FEMALE	14	NO	NO	YES	YES
High METTL1 expression	0.692	SLE-15	34	FEMALE	0	NO	NO	NO	NO
High METTL1 expression	0.667	SLE-16	34	FEMALE	26	NO	NO	YES	YES
High METTL1 expression	0.657	SLE-17	18	FEMALE	8	NO	NO	NO	NO
High METTL1 expression	0.644	SLE-18	34	FEMALE	9	NO	NO	YES	YES
High METTL1 expression	0.63	SLE-19	28	FEMALE	2	NO	NO	NO	YES
High METTL1 expression	0.611	SLE-20	22	FEMALE	9	NO	NO	YES	YES
High METTL1 expression	0.599	SLE-21	21	FEMALE	0	NO	NO	NO	NO
High METTL1 expression	0.522	SLE-22	28	FEMALE	0	NO	NO	NO	NO
Low METTL1 expression	0.521	SLE-23	39	FEMALE	18	NO	NO	YES	YES
Low METTL1 expression	0.499	SLE-24	33	MALE	12	NO	NO	NO	NO
Low METTL1 expression	0.492	SLE-25	20	FEMALE	3	NO	NO	NO	YES
Low METTL1 expression	0.491	SLE-26	19	FEMALE	27	NO	NO	YES	YES
Low METTL1 expression	0.487	SLE-27	39	FEMALE	8	NO	NO	NO	YES
Low METTL1 expression	0.479	SLE-28	37	FEMALE	16	NO	NO	NO	YES
Low METTL1 expression	0.395	SLE-29	55	MALE	9	NO	NO	NO	YES
Low METTL1 expression	0.394	SLE-30	18	MALE	54	YES	YES	YES	YES
Low METTL1 expression	0.385	SLE-31	21	FEMALE	4	NO	NO	NO	NO
Low METTL1 expression	0.381	SLE-32	41	MALE	0	NO	NO	NO	NO
Low METTL1 expression	0.288	SLE-33	29	FEMALE	3	NO	NO	YES	YES
Low METTL1 expression	0.283	SLE-34	36	FEMALE	1	NO	NO	NO	NO
Low METTL1 expression	0.28	SLE-35	54	FEMALE	12	NO	NO	NO	NO
Low METTL1 expression	0.27	SLE-36	20	FEMALE	33	YES	NO	YES	YES
Low METTL1 expression	0.268	SLE-37	38	FEMALE	8	NO	NO	NO	YES
Low METTL1 expression	0.26	SLE-38	57	FEMALE	1	NO	NO	NO	NO
Low METTL1 expression	0.254	SLE-39	48	FEMALE	8	YES	NO	NO	NO
Low METTL1 expression	0.252	SLE-40	37	FEMALE	12	NO	NO	NO	YES
Low METTL1 expression	0.24	SLE-41	33	FEMALE	14	NO	NO	NO	YES
Low METTL1 expression	0.236	SLE-42	29	FEMALE	15	NO	NO	YES	YES
Low METTL1 expression	0.222	SLE-43	23	FEMALE	39	YES	NO	YES	YES
Low METTL1 expression	0.215	SLE-44	68	FEMALE	0	NO	NO	NO	NO
Low METTL1 expression	0.162	SLE-45	35	FEMALE	14	NO	NO	NO	YES

Skin rash	C3	C4	IgM	IgA	IgG	dsDNA	anti-SSA	anti-SSB	anti-Sm	anti-nRNP	anti-rRNP	AauA	anti-Histone
NO	1.06	0.217	0.599	1.97	12.1	-	+	+	-	-	-	-	-
NO	0.663	0.088	0.491	4.16	18.9	-	-	-	+	+	-	-	-
NO	1.15	0.154	0.985	2.65	4.21	-	+	-	-	-	-	-	-
NO	1.02	0.179	1.03	2.05	11.4	-	-	-	-	+	-	-	-
YES	0.813	0.354	1.8	1.77	9.46	-	+++	-	++	+++	-	-	-
YES	0.97	0.19	0.6	1.84	8.64	-	+	-	-	+	-	-	-
NO	0.723	0.129	0.276	1.99	9.23	-	-	-	-	+	-	-	-
NO	0.568	0.033	2.43	2.26	23.7	-	+	-	-	-	+	-	-
NO	0.396	0.026	1.25	2.99	14.1	-	+	-	-	-	++	+	++
YES	0.174	0.024	1.12	2.31	16.9	-	-	-	-	-	-	-	-
NO	0.762	0.04	0.705	2.79	14.8	-	+	-	-	-	-	-	-
NO	1.17	0.192	0.902	2.87	14.8	-	-	-	-	+++	-	-	-
NO	0.51	0.173	1.58	1.24	6.33	-	+++	-	-	-	-	-	-
NO	0.343	0.067	1.91	2.6	13.8	++	-	-	-	-	-	++	-
NO	0.865	0.169	1.56	3.1	11.2	-	-	-	+	+	+	-	-
NO	0.701	0.073	2.27	3.65	11.9	-	+++	-	-	-	-	-	-
YES	0.812	0.104	1.38	2.79	10.5	-	-	-	+	+	+	-	-
NO	0.732	0.039	0.745	2.17	10	-	-	-	-	-	-	-	-
NO	0.57	0.074	0.693	3.14	10.8	-	-	-	-	-	+	-	+
YES	0.532	0.041	0.736	1.76	14.3	-	-	-	-	-	++	-	-
NO	1.07	0.157	1.57	1.33	11	-	-	-	-	-	-	-	-
NO	0.993	0.192	0.703	1.8	10.4	-	+	-	-	-	-	-	+
YES	0.489	0.069	0.485	2.68	14.8	+++	++	-	-	-	-	++	++
NO	1.08	0.301	0.699	3.81	14.2	-	-	-	++	+++	-	-	-
NO	0.626	0.138	1.21	2.42	9.66	-	+	-	-	+	+	-	-
NO	0.3	0.0322	1.46	2.07	22.4	+	-	-	-	-	-	+	+
NO	0.63	0.137	0.289	1.86	8.74	+	+	-	-	-	-	+	-
YES	0.432	0.0206	0.387	4.12	18.9	+	-	-	+	+	+	+	+
YES	0.206	0.0258	0.854	5.79	16.5	+	+	-	+	+	-	-	-
YES	0.317	0.0423	0.423	2.02	16.6	-	-	-	+	+	+	-	-
NO	0.752	0.162	0.405	1.56	9.74	-	-	-	-	-	+	-	-
NO	1.07	0.182	0.4	0.548	4.46	-	-	-	-	-	-	-	-
NO	0.996	0.234	0.321	3.86	8.33	-	-	-	++	+++	-	+	-
NO	1.01	0.151	1.03	1.36	11.5	-	-	-	-	-	-	-	-
NO	0.964	0.25	0.816	2.28	10.6	-	-	-	+	+++	-	-	-
NO	0.406	0.068	1.43	3.01	26.9	-	+	-	+	+	+	-	-
YES	0.637	0.212	0.506	1.25	12.8	-	+	-	-	-	-	-	-
NO	0.817	0.146	0.651	3.5	26.5	-	+	+	-	-	-	+	+
NO	1.34	0.264	0.961	2.08	10.6	-	+	-	+	+	+	+	+
YES	0.672	0.11	2.01	3.06	6	-	+	-	-	+	++	-	-
NO	0.608	0.154	0.585	2.19	6.79	-	+	-	-	-	-	-	-
NO	0.375	0.052	0.412	4.08	11.4	-	-	-	+	+	+	+	-
YES	0.05	0.017	1.42	2.16	16.7	+	+	-	-	-	-	++	-
NO	0.735	0.138	0.894	2.81	12.7	-	-	-	-	-	-	-	-
YES	0.446	0.0697	1.66	2.54	31.7	+	-	-	+	+	-	-	-

CD4+/CD8+

1.32

1.68

1.31

0.91

1.07

1.89

0.99

0.73

0.43

1.49

1.42

0.6

0.7

1.32

Additional file 1: Table S1: Characteristics of healthy controls

Label	Age	Sex	METTL1 Expression
HC-1	24	Female	0.681
HC-2	25	Female	0.569
HC-3	26	Female	0.480
HC-4	24	Female	0.449
HC-5	24	Female	0.498
HC-6	23	Male	1.003
HC-7	22	Female	1.630
HC-8	30	Female	0.456
HC-9	28	Female	2.257
HC-10	31	Female	1.918
HC-11	36	Female	0.371
HC-12	32	Female	1.283
HC-13	33	Female	0.698
HC-14	35	Female	2.532
HC-15	39	Male	1.688
HC-16	32	Female	0.576
HC-17	48	Female	0.386
HC-18	35	Female	0.526

Additional file 2: Table S2: METTL1-coexpressed genes in dataset

GENE1	GENE2	P	R
TSPAN6	METTL1	0.00771896	0.577093188
DPM1	METTL1	1.01E-04	0.759984862
FGR	METTL1	0.017731005	-0.523940121
NFYA	METTL1	0.005857394	0.592988366
STPG1	METTL1	0.013659973	0.541533763
LAS1L	METTL1	0.007154614	0.581545286
CYP51A1	METTL1	0.020706337	0.51303471
CD99	METTL1	0.004186864	-0.611304965
LASP1	METTL1	0.017092991	-0.526467029
PLXND1	METTL1	0.001183455	-0.671631444
PDK4	METTL1	0.047516966	-0.44814689
CDC27	METTL1	0.001383064	0.664844006
SKAP2	METTL1	0.021566207	-0.510116912
ACSM3	METTL1	0.047977316	0.447321149
CIAPIN1	METTL1	0.029577576	0.486603187
FAM214B	METTL1	8.01E-04	-0.687919594
COPZ2	METTL1	0.016723652	-0.527964529
ABCB4	METTL1	0.004932166	0.602502191
KMT2E	METTL1	0.003286935	0.623861485
MYCBP2	METTL1	0.001235386	0.66977802
FBXL3	METTL1	0.002631174	0.634961767
LAMP2	METTL1	0.018954726	-0.519290249
GGNBP2	METTL1	0.00951357	0.56450988
GDE1	METTL1	1.36E-04	-0.750889428
CRLF1	METTL1	0.021582587	0.510062236
CACNG3	METTL1	5.50E-06	0.8316513
AP2B1	METTL1	0.019188796	0.518428305
SPATA20	METTL1	0.045174409	-0.452446647
MAP3K9	METTL1	0.006940592	0.583309108
RALA	METTL1	0.036101926	0.470927135
ALDH3B1	METTL1	0.00220382	-0.643512875
GGCT	METTL1	0.00203793	0.647209707
DBF4	METTL1	2.59E-05	0.796982524
IFRD1	METTL1	0.002056237	0.646789639
GTF2IRD1	METTL1	0.013935207	0.540219826
PAF1	METTL1	0.001688824	0.655895713
ARSD	METTL1	6.08E-04	-0.698810984
MARK4	METTL1	6.82E-04	-0.69431773
GAS7	METTL1	0.001038387	-0.677198519
MATK	METTL1	0.002731469	-0.633124496
CD79B	METTL1	7.80E-04	0.688982867
SCN4A	METTL1	0.008801202	0.569251815
ST7L	METTL1	0.027518275	0.492113932
RPUSD1	METTL1	0.002571172	-0.636088996
NOX1	METTL1	0.015476715	0.533224461
PSMB1	METTL1	0.009582701	0.564065253
CDK11A	METTL1	0.044236645	0.454216074
NADK	METTL1	0.011603409	-0.552093344
SYPL1	METTL1	1.11E-04	0.75709405
CELSR3	METTL1	0.004148524	0.611791888

SS18L2	METTL1	1.29E-04	0.752663309
ST3GAL1	METTL1	0.03587301	0.471438051
IL32	METTL1	0.019128613	0.518649121
MAPK8IP2	METTL1	0.036713982	-0.469573365
HEATR5B	METTL1	0.029453037	0.486927745
RPS20	METTL1	4.52E-05	0.782705276
CSDE1	METTL1	1.24E-04	0.753737507
REV3L	METTL1	0.038429243	0.465870741
IYD	METTL1	0.01965147	0.51674892
RANBP9	METTL1	0.001033549	0.677395263
DYRK4	METTL1	0.006785788	0.584612881
UQCRC1	METTL1	0.040319655	-0.461935709
IFFO1	METTL1	9.27E-04	-0.681957089
STAB1	METTL1	0.003173749	-0.62563718
HIVEP2	METTL1	0.002417356	0.639082229
FMO1	METTL1	0.008932559	0.568354488
TSPAN9	METTL1	0.041797317	-0.45895816
AKAP8L	METTL1	0.001449789	0.662758863
UTP18	METTL1	0.005413998	0.597380149
LARS2	METTL1	0.049428141	0.444757905
ERCC1	METTL1	0.049267892	-0.44503817
CD22	METTL1	0.003582305	0.619455909
EXTL3	METTL1	0.002344741	-0.64055088
ELOVL5	METTL1	0.001156166	0.672633
UBR7	METTL1	0.029076593	0.487915379
MAP4K5	METTL1	1.96E-04	0.739255221
PSMC4	METTL1	0.029700777	0.486283172
SLC7A14	METTL1	0.002557401	0.636350803
CLDN11	METTL1	3.61E-04	0.718243352
NUB1	METTL1	0.013106385	0.544242511
PGM3	METTL1	0.027644368	0.491767344
CLK1	METTL1	0.002437639	0.638678595
POLR3B	METTL1	0.029437382	0.486968619
HEBP1	METTL1	0.023353931	-0.504334719
ZC3H3	METTL1	0.015940391	-0.531230139
ACPP	METTL1	2.02E-04	-0.738257067
MDH1	METTL1	0.003859979	0.615581048
SLC30A9	METTL1	0.01516109	0.534609622
ZMYND11	METTL1	0.001428296	0.663421542
WAS	METTL1	0.002245282	-0.642625342
MATR3	METTL1	1.17E-05	0.815646982
NUDCD3	METTL1	2.89E-04	0.726145364
SLC38A5	METTL1	0.04829653	0.446752129
MAGIX	METTL1	0.033788788	-0.476210694
SLC11A1	METTL1	0.016473687	-0.528993124
CXorf56	METTL1	1.00E-04	0.76027372
TTC27	METTL1	9.66E-06	0.819884592
ZNF582	METTL1	0.01669671	0.528074796
VSIG2	METTL1	0.018322788	-0.521660506
HGF	METTL1	0.02255981	-0.506858252
ZRANB1	METTL1	0.002451864	0.638397171
MNAT1	METTL1	0.009734245	0.563099634
RUNX3	METTL1	0.019235182	-0.51825849
PLEKHB1	METTL1	0.013872172	0.540518889

NRXN3	METTL1	0.026171221	0.495896912
OSBPL5	METTL1	0.012285251	-0.548435673
CPS1	METTL1	0.043651065	0.455335689
ZDHHC6	METTL1	0.005186285	0.599751883
RNH1	METTL1	0.012458075	-0.547534728
RB1CC1	METTL1	0.033660752	0.476511293
BIRC3	METTL1	3.64E-09	0.928339913
AKAP11	METTL1	0.022028773	0.508585353
SNAPC1	METTL1	3.28E-04	0.721697524
STRAP	METTL1	0.001334651	0.666410517
ABCC2	METTL1	9.26E-04	0.681979571
PLEKHO1	METTL1	0.003557323	-0.619816615
CCDC28A	METTL1	0.006326673	0.588628515
HSF2	METTL1	0.025817202	0.496916538
NR1H3	METTL1	0.021816727	-0.509284238
SEC63	METTL1	0.012748257	0.546044443
VIM	METTL1	6.20E-04	-0.698108939
AGPAT4	METTL1	0.01377239	-0.540994541
MIPEP	METTL1	3.82E-04	0.716258216
TNFRSF1B	METTL1	0.033064483	-0.477923073
BCLAF1	METTL1	0.005988407	0.591743121
TFB1M	METTL1	0.02394817	0.50249048
RABEP1	METTL1	4.99E-04	0.706363841
NUP160	METTL1	5.23E-04	0.704614496
IKZF2	METTL1	0.004027616	0.613352219
GRN	METTL1	0.033542617	-0.476789439
FAM13B	METTL1	0.005521482	0.59628909
ARHGAP31	METTL1	0.003538902	-0.620083936
SARS	METTL1	0.034770446	0.473935037
ARID4A	METTL1	2.62E-05	0.796755982
PNPLA6	METTL1	0.002114637	-0.645470201
IFT88	METTL1	0.022395065	0.507390572
ABCF2	METTL1	0.04101161	0.460531066
CHPF2	METTL1	0.01933439	-0.517896386
FUT8	METTL1	0.014491593	0.537626284
GAB2	METTL1	0.009795361	-0.562713672
MAP2K3	METTL1	4.34E-04	-0.711566548
TMSB10	METTL1	0.002269023	0.642123294
ASTE1	METTL1	0.001403321	0.664202205
RNF19A	METTL1	0.003754056	0.617031047
PEX3	METTL1	0.026423598	0.495176652
GABARAPL2	METTL1	4.36E-04	0.711416088
SH3YL1	METTL1	8.06E-04	0.687640053
VCL	METTL1	0.004804461	-0.603928728
STAP1	METTL1	8.52E-05	0.765026207
TIMP2	METTL1	0.006407372	-0.587905732
RFC1	METTL1	0.002061115	0.646678239
ZZZ3	METTL1	5.23E-07	0.872644579
METTL1	METTL1	0	1
MAT2B	METTL1	0.018290185	0.521784551
MSR1	METTL1	0.036517965	-0.470004999
SOX30	METTL1	0.041241453	0.46006855
BEST2	METTL1	0.01304795	-0.544533793
PHLPP2	METTL1	0.012639289	0.546600822

PQLC2	METTL1	0.001854571	-0.651601133
RAB27B	METTL1	0.011238346	-0.554123738
PARP3	METTL1	0.03358436	0.476691069
TDP1	METTL1	2.01E-05	0.803212099
MED17	METTL1	7.29E-04	0.691684066
AP2S1	METTL1	0.00858769	-0.570733932
ZBPB	METTL1	0.002602697	0.63549404
CNTLN	METTL1	0.021802916	-0.509329942
OFD1	METTL1	0.015025308	0.535212653
PREX2	METTL1	0.016135649	-0.530404223
ATP6V1H	METTL1	0.047976766	0.447322132
FAM214A	METTL1	6.14E-04	0.698436992
TPR	METTL1	0.005055381	0.601154416
DTNBP1	METTL1	0.032560717	0.47913142
SCML1	METTL1	0.019233311	0.518265333
ARHGAP6	METTL1	0.029296264	-0.487337841
GOPC	METTL1	0.001273777	0.668449533
HDAC9	METTL1	0.018342388	0.521586018
NOP16	METTL1	0.001493469	0.661437115
RRM2B	METTL1	0.001766023	0.653853464
SNX29	METTL1	0.003349611	0.622899946
RSF1	METTL1	0.003687231	0.617963371
FAM120A	METTL1	0.022268879	-0.507800405
COL9A2	METTL1	0.03028852	-0.484770684
H6PD	METTL1	0.019640336	-0.516788962
VAMP3	METTL1	0.035333212	-0.472652952
LTBP1	METTL1	0.028667521	-0.48900007
FOXP3	METTL1	0.007071998	0.582220958
HEXB	METTL1	0.01462832	-0.537001236
LETMD1	METTL1	0.021412288	0.510632327
LAMC3	METTL1	0.028647856	0.489052521
FAM160A2	METTL1	0.013462284	-0.542490733
HERPUD1	METTL1	0.016210781	0.530088558
HOMER3	METTL1	0.005660714	-0.594901461
CYBA	METTL1	5.59E-04	-0.702059414
TTC17	METTL1	0.04886564	0.445744769
AKR7A2	METTL1	0.001164273	-0.672333403
MRTO4	METTL1	5.73E-04	0.701104448
NNAT	METTL1	0.008703461	-0.56992662
USE1	METTL1	8.13E-06	0.823581775
LAMA3	METTL1	1.57E-04	0.746314684
ANAPC4	METTL1	0.009653712	0.56361125
KCNQ1	METTL1	0.011581752	-0.55221234
ARID4B	METTL1	5.62E-05	0.776793899
FOXC1	METTL1	0.043559555	-0.455511699
ATP9A	METTL1	0.014804132	-0.53620438
RELT	METTL1	0.020440946	-0.513954715
NOP58	METTL1	1.48E-06	0.85607155
CYFIP2	METTL1	9.80E-04	0.679632677
TAB2	METTL1	4.28E-04	0.712131031
USP36	METTL1	0.019244352	0.518224955
PUM2	METTL1	0.016996922	0.526854029
MRPL43	METTL1	0.04002901	0.462531279
ITIH4	METTL1	0.007273444	0.580584546

ZFR	METTL1	0.005865541	0.592910272
TRAF3IP2	METTL1	2.34E-04	0.733426275
ATG5	METTL1	3.80E-04	0.716401234
MTA3	METTL1	0.015122659	0.534779859
USP13	METTL1	0.047347786	0.448451894
CDK14	METTL1	0.005819696	0.593350915
RIOK2	METTL1	0.031342528	0.482115015
DGKG	METTL1	0.001341528	-0.666185138
FLYWCH1	METTL1	0.036708116	-0.469586256
TBXAS1	METTL1	0.005856677	-0.592995246
OGFR	METTL1	9.54E-04	-0.680731985
GNA15	METTL1	0.008004827	-0.574938796
RIMBP2	METTL1	0.001434956	0.663215329
BCAT1	METTL1	0.040548098	-0.46146993
WNT8A	METTL1	0.031185558	0.482506037
SPAG4	METTL1	0.012097637	0.549425395
MRPS35	METTL1	6.42E-04	0.696703317
GPBP1	METTL1	8.63E-05	0.764638554
MRPS24	METTL1	0.005419412	0.597324767
VMP1	METTL1	0.031504423	-0.481713327
APPBP2	METTL1	0.014347622	0.538289596
SPHK2	METTL1	0.022726883	-0.506321548
RPL18	METTL1	0.002844975	0.63111181
CA11	METTL1	0.002929672	0.629653087
EPN1	METTL1	1.25E-04	-0.753634055
RNF4	METTL1	0.022136565	0.508232126
TSPAN32	METTL1	0.038107014	-0.466556385
ST3GAL6	METTL1	0.030798611	-0.48347657
LPAR2	METTL1	0.0245347	-0.50070535
CTSA	METTL1	5.94E-04	-0.699717611
SNX24	METTL1	0.038050002	-0.466678165
DDX20	METTL1	4.11E-04	0.713611314
CHI3L2	METTL1	0.035709794	0.471803884
PMS1	METTL1	0.028587512	0.489213643
HMG20B	METTL1	0.004096042	-0.612464494
TAF11	METTL1	1.32E-04	0.7517596
AP3D1	METTL1	0.044873184	-0.453011908
SLC9A3R2	METTL1	0.031654179	-0.481343196
GNAI3	METTL1	0.038969705	0.464730688
IPO5	METTL1	0.024347248	0.50127216
WDR3	METTL1	1.44E-05	0.81090996
DGKA	METTL1	0.002093458	0.645945134
KARS	METTL1	0.002690867	0.633861381
NDUFB4	METTL1	0.013167517	0.543938904
ZC3H15	METTL1	1.28E-04	0.752829647
PRKCQ	METTL1	1.87E-04	0.740761955
ASB1	METTL1	0.012752645	0.54602212
FAM107B	METTL1	4.15E-04	0.713219997
PDE4A	METTL1	2.98E-04	-0.725039431
DIP2B	METTL1	0.026954477	0.493679105
SMARCD1	METTL1	0.030223643	0.484936502
ELOVL1	METTL1	0.038435616	-0.465857225
SPI1	METTL1	3.20E-04	-0.722528668
ZNRD1	METTL1	9.24E-05	0.762638935

TRMT11	METTL1	0.030059067	0.485358391
THUMPD1	METTL1	0.001120269	0.673981292
PFKP	METTL1	0.02712902	0.49319182
IDI1	METTL1	0.004871993	0.603170513
TRAM1	METTL1	0.046360991	0.450247805
TNFRSF1A	METTL1	0.006690034	-0.585431587
CACNB1	METTL1	0.015042394	-0.535136531
EVI5	METTL1	0.014723071	-0.536570832
DNTTIP2	METTL1	0.001976711	0.648637756
TP53BP1	METTL1	0.040377214	0.461818159
RRP15	METTL1	4.15E-05	0.784973456
DHX8	METTL1	0.01925347	0.518191626
PMS2P4	METTL1	0.00698563	0.58293427
ZFY	METTL1	0.002166781	0.644317595
IDH3G	METTL1	0.00741343	-0.579469113
ROGDI	METTL1	0.001737082	-0.654610139
PDZD4	METTL1	0.027445577	-0.492314326
CBFB	METTL1	0.020107452	0.515124381
RASSF1	METTL1	0.031391699	-0.481992842
ATP11A	METTL1	0.00632152	-0.588674921
TTC7A	METTL1	0.034404987	-0.474776308
IP6K2	METTL1	0.037737778	0.467347606
CYFIP1	METTL1	0.015498471	-0.533129824
KIF2A	METTL1	0.040643112	0.461276801
PSME4	METTL1	0.034259896	0.475112235
IFT80	METTL1	2.13E-05	0.801807125
SIRT2	METTL1	1.64E-04	-0.744941899
PPP2R5B	METTL1	0.010424092	-0.558852578
NUP133	METTL1	0.005567224	0.595830065
NUCKS1	METTL1	0.002368146	0.640073418
KCNAB2	METTL1	0.042242549	-0.458076969
CLEC2D	METTL1	3.26E-04	0.721933156
FUNDC1	METTL1	2.72E-06	0.845247902
KIAA1107	METTL1	0.006324057	0.588652071
MAPK6	METTL1	0.018097919	0.522519695
GNB5	METTL1	0.013065627	0.544445569
RAB27A	METTL1	0.02991892	-0.485719089
SCT	METTL1	0.038160413	-0.466442452
NUCB2	METTL1	0.007653524	0.577595484
SPTB	METTL1	0.02560709	-0.497526918
TMEM260	METTL1	0.015239296	0.534264262
CLTCL1	METTL1	0.024857935	-0.499735951
FSTL3	METTL1	0.002634971	-0.634891146
MNT	METTL1	0.033788737	-0.476210814
POLB	METTL1	0.014048574	0.539684699
WIP1	METTL1	0.046774372	-0.449491934
FRMPD1	METTL1	0.041032247	0.460489457
NDST1	METTL1	0.003379289	-0.622449846
ASNS	METTL1	7.29E-04	0.691721303
AP3M2	METTL1	0.036807472	0.469368128
ST6GALNAC2	METTL1	4.71E-04	-0.708535779
TESK2	METTL1	0.015458516	0.533303712
EIF2B3	METTL1	0.005319862	0.598350463
RAD18	METTL1	7.08E-04	0.692840934

MAP4K4	METTL1	4.19E-04	0.71290401
MGAT4A	METTL1	0.001349179	0.665935506
RPL31	METTL1	4.25E-05	0.784327249
ING3	METTL1	3.66E-05	0.788239773
ATP6AP1	METTL1	0.013934132	-0.540224916
TRIB2	METTL1	0.036494341	0.470057142
MBD3	METTL1	0.021919882	-0.508943576
CYBRD1	METTL1	0.017011667	-0.52679452
PRKACA	METTL1	1.01E-04	-0.759886236
SPP2	METTL1	0.014424184	0.537936193
PTPN18	METTL1	4.63E-04	-0.709163548
LIMS2	METTL1	0.004171532	0.611499236
ALDH3A2	METTL1	0.026544958	-0.494832233
TFRC	METTL1	0.018963748	0.519256869
AFF4	METTL1	0.043617503	0.455400209
UBE2D1	METTL1	0.011947398	-0.550226941
MPP5	METTL1	0.002062075	0.646656355
MARK2	METTL1	0.040577804	-0.46140951
FBXW11	METTL1	0.006215873	0.589633323
ACAP1	METTL1	0.030294877	0.484754453
CRMP1	METTL1	0.002441701	0.638598089
SIDT1	METTL1	0.006211229	0.589675755
MRV11	METTL1	0.020414061	-0.514048445
AP1M1	METTL1	0.028489841	-0.489474998
PVR	METTL1	0.023928321	-0.502551493
IKBKG	METTL1	0.002449169	-0.63845038
PANX2	METTL1	0.002523734	-0.636995837
CLCN4	METTL1	0.033258498	0.477461538
NLE1	METTL1	1.45E-04	0.74901068
SDHA	METTL1	0.011570867	0.552272216
SMARCE1	METTL1	8.15E-04	0.687209957
GSDMB	METTL1	0.019063065	0.518890252
KDM5A	METTL1	0.024235717	0.501611047
IGF2BP2	METTL1	0.011309017	-0.553726551
ST6GAL1	METTL1	0.0120295	0.549787909
VDAC1P1	METTL1	0.002993397	0.628578516
FRY	METTL1	0.030180646	-0.485046551
PICALM	METTL1	0.03738768	-0.46810339
NOTCH3	METTL1	0.017428624	-0.525128495
CLNS1A	METTL1	0.002803093	0.631846543
TEAD2	METTL1	0.036485728	0.470076159
EED	METTL1	0.001733309	0.654709585
MGLL	METTL1	0.025078775	-0.499079355
BCS1L	METTL1	0.045796122	0.451289091
ANO8	METTL1	0.035788324	-0.471627707
TUBE1	METTL1	2.61E-04	0.729625896
ARHGEF10L	METTL1	0.006962768	-0.583124298
ACTR6	METTL1	9.01E-06	0.821373937
NUP37	METTL1	0.006884085	0.583782228
SEMA3C	METTL1	0.008074279	-0.574424893
GRAMD4	METTL1	0.00390747	-0.614941621
CELSR1	METTL1	0.009366895	0.565462012
ZNF638	METTL1	0.038890226	0.46489757
RASAL2	METTL1	0.016431561	0.529167698

VPS9D1	METTL1	0.015297371	-0.53400872
FRYL	METTL1	0.017583082	0.524519423
ACTB	METTL1	0.002067768	-0.646526673
PLD1	METTL1	0.016965509	-0.526980954
DLG1	METTL1	0.016631586	0.528341933
RAB7A	METTL1	0.01953369	-0.517173416
SART3	METTL1	0.002295719	0.641563975
ARHGAP15	METTL1	5.01E-06	0.833548411
EXOSC7	METTL1	9.63E-05	0.761416929
KIFAP3	METTL1	0.025497838	0.497845863
REXO2	METTL1	0.002041892	0.64711853
RBM7	METTL1	0.019377346	0.517740062
RBMS2	METTL1	0.00596329	-0.591980111
MLH1	METTL1	4.77E-04	0.708094427
KLHL20	METTL1	0.010360455	0.559234633
PLXNA2	METTL1	0.002369478	-0.640046362
TPD52	METTL1	7.61E-05	0.768264019
TRAF4	METTL1	0.001627471	0.65757537
STXBP2	METTL1	7.43E-04	-0.690962498
NFKB2	METTL1	0.019595456	0.51695055
DNAJC10	METTL1	0.009813407	0.562600077
IL4R	METTL1	0.007320232	0.58020979
FAM76B	METTL1	0.009884409	0.562154797
JADE1	METTL1	0.038901331	0.464874236
MAP2	METTL1	0.029059146	0.487961395
MCCC1	METTL1	0.033653334	0.476528735
LAMP3	METTL1	5.72E-06	0.830859238
FAP	METTL1	0.044755245	0.453234021
ACER3	METTL1	0.035482523	-0.472315466
UBE2K	METTL1	0.001109999	0.674373734
N4BP2	METTL1	0.032422001	0.479466713
PMS2P1	METTL1	6.51E-05	0.772687781
HOXA9	METTL1	0.005635833	-0.595147353
EDN1	METTL1	0.012987986	0.544833791
MLLT10	METTL1	0.017873904	0.52338415
P2RY10	METTL1	2.04E-05	0.802834183
ITM2A	METTL1	9.94E-04	0.67903714
SDF4	METTL1	0.004509777	-0.607343945
TOLLIP	METTL1	0.019901936	-0.515852908
XRCC5	METTL1	0.030850148	0.483346756
SP140	METTL1	0.011095966	0.554930125
CDC14A	METTL1	0.001505899	0.661066921
SENP1	METTL1	0.031468637	0.481801979
PAFAH1B3	METTL1	0.002826314	0.631438064
DDX1	METTL1	0.007060971	0.582311638
RIMS1	METTL1	1.97E-04	0.739023868
DDX43	METTL1	0.023528559	-0.503788937
RAB21	METTL1	8.19E-04	0.687025652
SMARCA2	METTL1	0.011025863	0.555330243
HSP90AA1	METTL1	0.007037298	0.582506686
RBL1	METTL1	0.041485396	0.459579836
NDC80	METTL1	0.017948445	0.523095546
RSBN1	METTL1	0.012782111	0.545872368
MAGI3	METTL1	0.004029636	0.613325832

IMPG2	METTL1	0.029452098	0.486930195
PCNP	METTL1	1.47E-04	0.748594744
MEF2C	METTL1	0.012458662	0.547531687
UBA5	METTL1	0.019721468	0.516497597
ZNF510	METTL1	1.66E-04	0.744679144
JMJD4	METTL1	3.09E-04	0.723772929
SMARCD3	METTL1	0.002815388	-0.631629913
BZW1	METTL1	0.006644867	0.585821105
C1QTNF3	METTL1	2.22E-04	0.735092401
CCNT2	METTL1	0.030298559	0.48474505
COBLL1	METTL1	0.007514398	0.578675222
TRAF5	METTL1	0.014649438	0.536905115
ITGB5	METTL1	0.041885973	-0.458782119
LYRM2	METTL1	0.001536716	0.660160092
BCKDHB	METTL1	0.002797684	0.631942099
KAT6A	METTL1	0.007591718	0.578073154
ULK2	METTL1	0.04723383	-0.448657811
GRHL2	METTL1	0.012168172	-0.549051858
TNPO1	METTL1	0.023844118	0.502810772
PLOD1	METTL1	0.003299443	-0.623668386
ITGAE	METTL1	0.011658309	0.55179249
DIS3	METTL1	1.20E-04	0.754693855
PIBF1	METTL1	1.17E-05	0.815728952
NUFIP1	METTL1	3.22E-06	0.84206351
PDS5B	METTL1	0.005244321	0.599139385
OXCT1	METTL1	0.002377856	0.639876482
RRAGB	METTL1	0.003482001	0.620917012
CYLD	METTL1	3.16E-04	0.723071115
SLC27A5	METTL1	3.13E-04	0.723345874
ZNF671	METTL1	3.11E-05	0.792426955
ZNF416	METTL1	5.17E-04	0.70505273
ZNF586	METTL1	0.010983217	0.555574658
RPS5	METTL1	3.34E-05	0.790641302
YTHDC1	METTL1	6.19E-04	0.69814603
CHMP2B	METTL1	0.046247507	0.450456216
HAL	METTL1	0.021185733	-0.511396351
SSH1	METTL1	4.04E-04	-0.71424091
GSTP1	METTL1	3.16E-04	-0.72305448
APLP2	METTL1	0.035410839	-0.472477354
WBP11	METTL1	5.47E-04	0.702939349
EIF3I	METTL1	0.008637885	0.570382825
COL16A1	METTL1	0.004357223	-0.609184971
MAPRE3	METTL1	0.008214707	-0.573396743
CAD	METTL1	0.020334397	0.514326752
CD59	METTL1	9.84E-04	0.679442227
TAF9	METTL1	5.45E-06	0.831861684
MYNN	METTL1	0.001863814	0.65137126
OVGP1	METTL1	0.004788958	0.604104029
MAP3K4	METTL1	0.026324703	0.495458239
PILRA	METTL1	0.002531403	-0.636848279
ZNF213	METTL1	0.005157233	-0.600060611
AKR1B1	METTL1	0.01514717	0.534671241
RRN3	METTL1	0.004940732	0.602407606
DDHD2	METTL1	0.002340083	0.640646382

DNAJA1	METTL1	0.022444229	0.50723139
NFX1	METTL1	0.005382808	0.597700093
DIMT1	METTL1	0.004991355	0.601851333
IPO11	METTL1	0.011483047	0.552756977
NME8	METTL1	0.006015648	-0.591487028
SNX10	METTL1	0.033954718	-0.475822447
RBM22	METTL1	0.039353367	0.463928809
TXLNG	METTL1	4.68E-05	0.781782595
ALG9	METTL1	0.022545199	0.506905336
MYBPC2	METTL1	0.016661871	0.528217601
FTL	METTL1	0.007649352	-0.577627633
PIGS	METTL1	0.008992341	-0.567949661
PSMC5	METTL1	4.87E-04	0.707313661
UIMC1	METTL1	2.77E-04	0.727588217
LPCAT2	METTL1	0.004551164	-0.606853371
OGFOD1	METTL1	0.037741673	0.467339229
SH3BP2	METTL1	0.003988931	-0.613859647
NOP14	METTL1	7.17E-06	0.826206515
C14orf166	METTL1	3.76E-05	0.787578368
PHACTR3	METTL1	0.049498718	-0.444634692
AAMDC	METTL1	0.001361729	0.665528581
RFX2	METTL1	0.002822817	-0.631499401
DDX18	METTL1	6.86E-05	0.771251401
PDRG1	METTL1	1.50E-04	0.747779147
DOCK9	METTL1	2.96E-04	0.725305967
TGDS	METTL1	4.33E-05	0.783829202
C3orf18	METTL1	0.02169499	0.509687912
TMEM40	METTL1	0.008471476	-0.571553322
SMOX	METTL1	0.036991381	-0.468965576
FKBP1A	METTL1	1.70E-04	-0.743888022
C20orf194	METTL1	0.026453617	-0.495091341
TESC	METTL1	0.024707805	-0.50018495
RPL6	METTL1	0.019058934	0.51890547
SIRPG	METTL1	9.24E-04	0.682086444
MAPKAPK5	METTL1	0.003720295	0.617500337
ESF1	METTL1	2.00E-04	0.73854397
RBBP9	METTL1	0.006726409	0.585119452
TASP1	METTL1	3.51E-04	0.7192838
RPLP0	METTL1	1.46E-04	0.748807135
PXN	METTL1	0.003423662	-0.621782962
PEBP1	METTL1	0.001219543	0.67033639
ERP29	METTL1	0.001114127	0.674215612
FUS	METTL1	0.001523918	0.660534803
IGBP1	METTL1	8.64E-04	0.684846673
FXYD5	METTL1	0.003406638	0.622037961
CMTM1	METTL1	0.035507346	-0.472259465
GMIP	METTL1	0.002072812	-0.646412012
BIRC5	METTL1	0.031771418	0.481054387
MLF2	METTL1	0.02278814	-0.50612555
DDX24	METTL1	2.02E-04	0.738284006
RCOR1	METTL1	0.033005428	-0.478063975
PAPOLA	METTL1	0.026626459	0.494601631
RGS1	METTL1	4.37E-05	0.783614403
MRPS33	METTL1	1.49E-05	0.810260286

NDUFB2	METTL1	4.37E-05	0.783614619
STRN4	METTL1	2.96E-04	-0.725340037
IRAK3	METTL1	0.044787305	-0.453173598
FLT3LG	METTL1	0.023248954	0.504664373
GNPTG	METTL1	0.013637094	-0.54164394
ZNF268	METTL1	1.71E-05	0.806991699
CD209	METTL1	0.045062359	-0.452656575
MCOLN1	METTL1	0.004290893	-0.610002109
EFNB1	METTL1	0.021331114	-0.510905331
RBM27	METTL1	0.002503082	0.637395068
NLRC4	METTL1	0.030313379	-0.484707223
PUS7	METTL1	0.006535366	0.586774531
SLC26A4	METTL1	1.64E-04	0.744949656
ABCC6	METTL1	0.023439342	-0.504067372
ITGA6	METTL1	0.009629087	0.563768379
RAPGEF4	METTL1	0.008359177	0.572353859
SMPX	METTL1	1.97E-04	0.739023868
FH	METTL1	0.034243545	0.475150162
SEL1L3	METTL1	0.006846506	0.584098634
ZC3HC1	METTL1	0.009178277	0.56670441
CD200	METTL1	0.046953992	0.449165098
JPH4	METTL1	0.044790137	-0.453168261
HECTD1	METTL1	0.006656951	0.585716678
HNRNPC	METTL1	3.42E-04	0.720191017
GEMIN2	METTL1	0.005661355	0.59489514
DAZL	METTL1	1.42E-04	0.749566008
TRPM7	METTL1	0.009232287	0.566346543
TYRO3	METTL1	0.022947552	-0.50561745
EZR	METTL1	1.32E-04	0.751814629
AGO1	METTL1	0.015165946	-0.534588136
RFFL	METTL1	0.028772113	0.488721583
UNC13D	METTL1	0.007632289	-0.577759242
DPYSL2	METTL1	0.007285688	-0.580486288
COMT	METTL1	0.040996616	-0.460561309
LRRFIP2	METTL1	0.010618481	-0.557697124
SEC22C	METTL1	0.005930393	0.592291739
UPRT	METTL1	0.002289863	0.641686207
CDC23	METTL1	0.003271441	0.62410152
SUCO	METTL1	0.005805738	0.593485647
MAP3K1	METTL1	0.001334095	0.666428803
EPB41L4B	METTL1	0.025906562	0.49665813
PTGS1	METTL1	0.028978331	-0.48817483
CRAT	METTL1	0.007111256	-0.581899089
TBC1D2	METTL1	0.012555626	-0.547030634
IKZF5	METTL1	0.014473996	0.537707072
BLNK	METTL1	3.97E-04	0.714836559
TLL2	METTL1	8.85E-04	0.6838657
CREM	METTL1	4.01E-04	0.71446947
HIVEP1	METTL1	0.033902814	0.475943734
TREM2	METTL1	0.028488402	-0.489478854
TMEM14A	METTL1	0.001831411	0.652181397
RPS18	METTL1	3.06E-05	0.79286847
HSP90AB1	METTL1	9.52E-07	0.863334184
CDC5L	METTL1	0.001014302	0.678185579

ZNF184	METTL1	0.003215657	0.624973672
SIRT1	METTL1	7.76E-04	0.689179753
HNRNPH3	METTL1	0.001253238	0.669156011
IFT74	METTL1	0.001831447	0.652180477
ABLIM1	METTL1	0.002307166	0.641325797
RAB18	METTL1	0.005487986	0.596627212
MAST3	METTL1	0.035285812	-0.472760322
OCEL1	METTL1	0.004438522	-0.608197336
MYO9B	METTL1	4.51E-04	-0.710136812
KCNK6	METTL1	0.008034439	-0.574719245
FBXL19	METTL1	0.038948861	-0.464774428
BCL7C	METTL1	0.006161204	0.590134533
CIRBP	METTL1	8.97E-06	0.821475476
ATP5D	METTL1	0.040979139	-0.460596569
HNRNPM	METTL1	0.00138027	0.664933169
NDUFB7	METTL1	0.01562995	-0.532560136
MTAP	METTL1	0.003411698	0.621962054
POLR2E	METTL1	0.002183941	-0.643943337
HCN2	METTL1	0.011629769	-0.551948747
IZUMO4	METTL1	0.011185224	0.554423628
ARVCF	METTL1	0.04655662	-0.449889452
SNAP29	METTL1	0.024178099	-0.501786599
SMARCB1	METTL1	0.012372305	0.547980581
OSM	METTL1	0.006803295	0.584464224
SF3A1	METTL1	0.002108119	0.645615946
SEC14L2	METTL1	0.012000519	0.549942608
SPECC1L	METTL1	0.004488385	0.607598975
SNRPD3	METTL1	0.005249634	0.599083598
PES1	METTL1	0.047262641	0.448605715
MAPK1	METTL1	0.015242619	-0.534249616
PPM1F	METTL1	7.44E-04	-0.690898608
SLC35E4	METTL1	0.02211906	-0.508289396
SH3BP1	METTL1	0.02126952	-0.511113038
HPS4	METTL1	0.023853451	0.502781998
PIK3IP1	METTL1	0.005401377	0.59750943
PATZ1	METTL1	0.017216476	0.525972131
TRIOBP	METTL1	0.020610365	-0.513366317
TFIP11	METTL1	0.003227269	0.624791091
HSCB	METTL1	0.007081804	0.582140424
CBY1	METTL1	0.017959996	0.523050909
TOMM22	METTL1	0.015560537	0.532860414
JOSD1	METTL1	0.00247715	0.637900276
CYB5R3	METTL1	1.39E-04	-0.750203603
TOM1	METTL1	0.015713639	-0.532199524
CHKB	METTL1	9.68E-04	0.680150194
HMOX1	METTL1	0.011951339	-0.550205811
ARSA	METTL1	0.041882635	-0.458788742
TSPO	METTL1	2.08E-04	-0.737239009
RASD2	METTL1	0.044004336	0.454658868
RPL3	METTL1	0.005257326	0.599002897
RBFOX2	METTL1	1.43E-04	0.749290094
SYNGR1	METTL1	0.005381905	-0.597709373
EIF3D	METTL1	9.84E-05	0.760776395
KIAA0930	METTL1	0.001085795	-0.675310809

SLC25A17	METTL1	0.004347014	0.609310073
KCTD17	METTL1	0.036668981	-0.4696723
ST13	METTL1	0.001620353	0.65777365
RANGAP1	METTL1	0.017094319	0.526461688
PHF5A	METTL1	0.008155526	0.573828278
PMM1	METTL1	0.001231164	0.669926216
KHNYN	METTL1	5.85E-06	0.830408404
FKBP3	METTL1	5.49E-04	0.702743706
PRMT5	METTL1	7.20E-04	0.692176732
AP4S1	METTL1	4.73E-04	0.708393065
VCPKMT	METTL1	2.16E-04	0.736095817
PYGL	METTL1	0.021342954	-0.510865459
PSMC6	METTL1	0.001617623	0.657849896
GNPNAT1	METTL1	0.024961993	0.499425996
CNIH1	METTL1	0.044911195	0.452940419
CGRRF1	METTL1	5.46E-05	0.77759231
PLEK2	METTL1	0.022767464	0.50619166
TIMM9	METTL1	1.22E-06	0.85924029
GSTZ1	METTL1	0.017972088	0.523004205
KIAA0586	METTL1	0.007893691	0.575768773
TMED8	METTL1	0.048075222	0.447146318
RIN3	METTL1	0.002253337	-0.642454501
LGMN	METTL1	0.003832709	0.615951171
SNW1	METTL1	3.95E-04	0.71506466
ITPK1	METTL1	0.004211337	-0.610996072
ERH	METTL1	0.012043606	0.549712725
SRSF5	METTL1	2.63E-04	0.72938774
EIF5	METTL1	0.022781676	0.506146213
SLC8A3	METTL1	0.005489408	-0.596612829
ZFYVE21	METTL1	0.01374356	-0.541132486
TCL1A	METTL1	0.005969954	0.59191715
GSKIP	METTL1	0.012031245	0.54977861
VRK1	METTL1	5.25E-05	0.778679557
RPS6KA5	METTL1	0.005367207	0.597860695
C14orf93	METTL1	0.049152176	0.445240983
PSMB5	METTL1	1.18E-05	0.815414706
CCNB1IP1	METTL1	8.11E-04	0.687400489
APEX1	METTL1	5.96E-04	0.69963228
ARHGAP5	METTL1	0.004093548	0.612496623
KIAA0391	METTL1	1.51E-05	0.809909423
DCAF11	METTL1	0.004530265	0.607100626
EMC9	METTL1	0.0365444	0.469946683
BRMS1L	METTL1	0.013067076	0.544438339
PNN	METTL1	4.01E-04	0.714520922
NFATC4	METTL1	0.032691537	0.478816235
CD40	METTL1	3.75E-04	0.716915209
IFT52	METTL1	0.009572944	0.564127847
C20orf24	METTL1	0.001555529	-0.659613961
STK4	METTL1	0.012347935	0.548107719
ADNP	METTL1	0.027186261	0.493032551
PFDN4	METTL1	1.77E-04	0.742512502
CSTF1	METTL1	8.28E-05	0.765846792
RAE1	METTL1	0.011276542	0.553908821
TPD52L2	METTL1	0.019002522	-0.519113558

CTSZ	METTL1	0.032782229	-0.478598308
PRPF6	METTL1	0.042738666	0.457103479
MTG2	METTL1	0.046931449	0.449206064
NTSR1	METTL1	0.047312964	-0.448514776
C20orf27	METTL1	0.001206915	-0.670785838
ISM1	METTL1	0.011408338	0.553171736
RNF24	METTL1	0.01455952	-0.537315166
RASSF2	METTL1	0.00831209	-0.572692136
CDS2	METTL1	0.047246977	0.448634035
SIRPB1	METTL1	0.023698093	-0.503262136
HCK	METTL1	0.012524797	-0.5471896
TM9SF4	METTL1	0.029574114	-0.486612195
CRNKL1	METTL1	0.01953641	0.51716359
SAMHD1	METTL1	0.042189167	-0.458182242
NOP56	METTL1	9.04E-05	0.763288614
JAG1	METTL1	0.040558699	-0.461448364
CST3	METTL1	5.76E-04	-0.700908953
PPP1R16B	METTL1	0.013165664	0.54394809
DHX35	METTL1	0.031665871	0.481314356
APMAP	METTL1	0.014972405	-0.535448791
ZNF516	METTL1	0.005528552	-0.596217938
CDH20	METTL1	0.00595093	0.592097031
ADNP2	METTL1	0.017838365	0.523522087
RBFA	METTL1	4.04E-04	0.714201998
METTL4	METTL1	8.36E-05	0.765553587
LPIN2	METTL1	0.036902165	0.469160663
SMCHD1	METTL1	0.006599028	0.586218643
MYL12A	METTL1	0.020474528	0.513837775
RNMT	METTL1	7.02E-06	0.826652613
LAMA1	METTL1	5.55E-05	0.777120533
VSIG1	METTL1	0.001008689	0.678418439
PGRMC1	METTL1	0.045200136	-0.452398505
ATP1B4	METTL1	0.007601485	0.577997457
ALG13	METTL1	0.007527379	0.578573791
PRPS2	METTL1	0.015349203	0.533781307
MOSPD1	METTL1	0.001558338	0.659532894
AMMECR1	METTL1	6.52E-04	0.696085839
XIAP	METTL1	0.012906219	0.545244682
STAG2	METTL1	0.018644474	0.520445918
ATP11C	METTL1	0.001802806	0.652906618
ABCD1	METTL1	7.61E-05	-0.768263778
NAA10	METTL1	0.01357982	0.541920409
ELF4	METTL1	0.005047843	-0.60123609
RBBP7	METTL1	5.27E-05	0.778539884
PPP1R2P9	METTL1	0.008602228	0.570632071
PIM2	METTL1	7.21E-04	0.692133061
PQBP1	METTL1	1.05E-04	0.758944049
RS1	METTL1	0.002649413	0.63462336
UBL4A	METTL1	0.033097126	-0.477845273
JADE3	METTL1	0.010825842	0.556483336
USP11	METTL1	0.0161818	0.530210183
HTATSF1	METTL1	5.03E-05	0.779793963
CD40LG	METTL1	7.38E-04	0.691213491
PCDH11X	METTL1	0.012967506	0.544936512

PIN4	METTL1	0.031815781	0.480945322
MAGED2	METTL1	0.035930136	0.471310316
RBM3	METTL1	4.24E-04	0.712438609
SYTL4	METTL1	0.048500015	-0.446390909
ZDHHC15	METTL1	7.18E-05	0.769924989
PBDC1	METTL1	0.030762455	0.483567744
BEX4	METTL1	0.003255501	0.624349471
TNFSF13B	METTL1	0.02700425	-0.493539898
UGGT2	METTL1	0.027872246	-0.491144123
FGF9	METTL1	0.034493386	0.474572181
SLC25A15	METTL1	0.009624638	0.563796805
KPNA3	METTL1	0.009891391	0.562111147
FLT1	METTL1	0.037798798	0.467216435
VWA8	METTL1	0.041795199	0.458962369
MEDAG	METTL1	0.040378544	0.461815443
CLN5	METTL1	9.75E-04	0.679839348
MSLN	METTL1	0.029240061	-0.487485281
MGRN1	METTL1	0.004541536	-0.606967165
LYRM1	METTL1	1.14E-04	0.756261532
NUTF2	METTL1	0.020545743	0.513590296
CENPT	METTL1	0.041090132	0.460372831
N4BP1	METTL1	0.006229021	0.589513322
ARL2BP	METTL1	0.001762843	0.6539361
CTCF	METTL1	0.00479617	0.604022416
POLR2C	METTL1	2.92E-04	0.72578407
ZNF821	METTL1	7.25E-04	0.691944121
USB1	METTL1	0.013052392	-0.544511612
PSMD7	METTL1	4.42E-04	0.710895074
SLC38A7	METTL1	0.037367851	-0.468146362
HAS3	METTL1	0.026152859	0.495949528
TANGO6	METTL1	0.003074595	0.627236533
SMPD3	METTL1	0.034812033	-0.473839743
PLA2G15	METTL1	0.007453491	-0.579153065
CMC2	METTL1	0.018450282	0.521177107
HCFC1R1	METTL1	0.005965356	-0.591960583
MLYCD	METTL1	0.04592511	-0.451050447
HSDL1	METTL1	0.011447895	0.552951855
NAGPA	METTL1	0.00772054	-0.577081103
COTL1	METTL1	0.006156556	-0.590177308
USP10	METTL1	0.001540338	0.660054496
NME4	METTL1	0.027189279	0.493024162
ABCC1	METTL1	0.002397203	0.639486095
FOXF1	METTL1	0.023930973	0.50254334
CLCN7	METTL1	0.022982412	-0.50550671
FAM173A	METTL1	0.01452901	-0.537454762
ZP2	METTL1	0.007117936	0.581844464
MEFV	METTL1	0.026003612	-0.496378284
CAPN15	METTL1	0.003492331	-0.620764932
PIEZO1	METTL1	0.031167325	-0.482551555
GSPT1	METTL1	0.012491367	0.547362334
CLUAP1	METTL1	0.020119483	0.515081918
GGA2	METTL1	0.005466075	0.59684932
CPPED1	METTL1	0.003351595	-0.622869751
USP31	METTL1	0.019923398	-0.515776548

RPGRIP1L	METTL1	0.018261031	0.521895626
CDIPT	METTL1	0.030610258	-0.483952457
BCKDK	METTL1	0.004889278	-0.602977846
IL21R	METTL1	0.024171763	0.501805927
RNF40	METTL1	0.048574348	-0.446259244
KNOP1	METTL1	7.55E-04	0.690319926
AAGAB	METTL1	0.036785598	0.46941611
LACTB	METTL1	0.010871056	-0.556221182
CORO2B	METTL1	0.014030525	0.539769662
GOLGA8UP	METTL1	1.64E-04	0.745019214
FAH	METTL1	0.014011632	-0.539858692
TMEM87A	METTL1	4.11E-04	0.71358218
ATP8B4	METTL1	0.037618173	-0.467605193
GABPB1	METTL1	0.002416085	0.639107628
BMF	METTL1	0.013695777	-0.541361634
DMXL2	METTL1	0.026375913	-0.495312323
RHOV	METTL1	2.20E-05	0.801035148
MYEF2	METTL1	0.008295652	0.572810598
ZFAND1	METTL1	7.18E-06	0.826197621
CA2	METTL1	0.028675828	-0.488977925
INTS9	METTL1	2.63E-04	0.729369442
LAPTM4B	METTL1	0.021646218	0.509850143
EIF3E	METTL1	1.84E-04	0.741268072
ARMC1	METTL1	0.008590571	0.570713735
TRPS1	METTL1	0.022195947	-0.50803812
CHRAC1	METTL1	0.046109435	0.450710314
UBR5	METTL1	0.040611402	0.461341217
TSTA3	METTL1	0.046596577	0.449816402
INTS10	METTL1	5.18E-04	0.704979328
MTMR9	METTL1	0.011756491	0.5512573
LEPROTL1	METTL1	7.45E-05	0.768877915
DCTN6	METTL1	0.010912327	0.555982657
GSR	METTL1	0.004354742	-0.609215352
TNFRSF10A	METTL1	2.95E-04	0.725407027
ASAH1	METTL1	0.04511063	-0.452566089
MAN2B1	METTL1	0.012322755	-0.548239296
MAP4K1	METTL1	0.042456542	0.457655991
ECH1	METTL1	0.027531102	0.492078618
HNRNPL	METTL1	0.035544475	0.472175762
SARS2	METTL1	1.78E-04	0.742372838
CLPTM1	METTL1	0.008602462	-0.570630431
FCGRT	METTL1	0.002057112	-0.646769658
PIH1D1	METTL1	0.027654753	0.491738853
ARHGEF18	METTL1	0.008138815	0.573950588
CD37	METTL1	0.023209391	0.504788915
LYL1	METTL1	0.010659369	-0.557456276
OAZ1	METTL1	0.036049854	-0.471043134
TRMT1	METTL1	6.09E-04	0.698790427
STX10	METTL1	0.038366611	-0.46600366
FCER2	METTL1	0.005016671	0.6015749
RSPH6A	METTL1	0.035361997	-0.472587804
TLE6	METTL1	5.99E-04	0.699417613
LILRB1	METTL1	0.011605024	-0.552084476
LILRA1	METTL1	0.003539708	-0.62007222

SNAPC2	METTL1	0.006615389	-0.586076495
C19orf53	METTL1	0.001594881	0.658489282
AKAP8	METTL1	0.020180225	0.514867836
EPHX3	METTL1	0.023763332	-0.503060209
SYDE1	METTL1	0.018172777	0.522232731
URI1	METTL1	0.010125342	0.560662926
RPS16	METTL1	2.42E-04	0.732278608
TIMM50	METTL1	0.012015525	0.549862471
FBL	METTL1	0.001725706	0.654910486
PLD3	METTL1	0.015884718	-0.531467118
CCDC94	METTL1	0.021997676	0.508687509
POLR2I	METTL1	0.002714262	0.633435666
SLC1A5	METTL1	0.006495072	-0.587128667
APLP1	METTL1	0.013095809	0.544295154
BBC3	METTL1	0.04047383	-0.461621133
TGFB1	METTL1	5.72E-05	-0.776287208
DENND3	METTL1	0.035728972	-0.471760832
CEACAM4	METTL1	0.042085669	-0.458386641
MRPL4	METTL1	0.022087228	0.508393632
CD79A	METTL1	8.89E-04	0.683678283
RPS19	METTL1	7.24E-06	0.82601741
ICAM5	METTL1	0.010509105	-0.558345125
CD33	METTL1	0.015531208	-0.532987616
CEACAM5	METTL1	0.001961297	0.649003125
CRX	METTL1	0.004832447	0.603613453
BABAM1	METTL1	0.037832477	0.467144109
TYK2	METTL1	0.003412001	-0.621957508
SULT2A1	METTL1	0.012174872	0.549016464
PTPRS	METTL1	0.044969154	-0.452831501
KDELRL1	METTL1	0.001463092	-0.662352813
GRIN2D	METTL1	0.009315562	-0.565798099
CLEC11A	METTL1	3.63E-04	-0.718137479
LIG1	METTL1	0.008768864	0.569474401
PLA2G4C	METTL1	0.049462956	0.444697108
RAB3D	METTL1	0.001451157	-0.662716969
DBP	METTL1	0.018020826	-0.522816221
WDR83OS	METTL1	0.026344377	0.495402154
CACNG7	METTL1	1.97E-04	0.739023868
MAST1	METTL1	0.049476979	-0.444672628
PRPF31	METTL1	1.13E-04	0.756747307
TFPT	METTL1	0.001381823	0.664883606
RPL18A	METTL1	0.008723074	0.569790714
ELL	METTL1	0.006267224	-0.589165821
TMEM147	METTL1	0.033093338	0.477854297
TMEM59L	METTL1	0.033628867	-0.476586291
USF2	METTL1	0.034370272	-0.474856582
LSR	METTL1	0.014944165	0.535575116
KXD1	METTL1	5.21E-04	0.704745122
HPN	METTL1	0.046842455	-0.449367937
ZNF14	METTL1	0.003844181	0.615795199
ERF	METTL1	0.023955186	-0.502468922
GSK3A	METTL1	0.009115067	-0.567125416
ZNF85	METTL1	0.009338087	0.565650441
CDK6	METTL1	0.021146652	0.511528802

PMPCB	METTL1	6.94E-06	0.826900025
DNAJC2	METTL1	0.009493245	0.564641103
TWISTNB	METTL1	1.94E-05	0.803983112
HBP1	METTL1	9.93E-05	0.76049479
DUS4L	METTL1	0.002425624	0.638917365
CBLL1	METTL1	0.030168906	0.485076619
STEAP1B	METTL1	1.50E-04	0.747901584
MPP6	METTL1	0.030189477	0.485023938
DFNA5	METTL1	0.002088747	0.646051331
TTC26	METTL1	0.006856143	0.584017352
ADAP1	METTL1	2.11E-04	-0.736849097
TFEC	METTL1	0.023045899	-0.505305377
H2AFV	METTL1	0.009002878	0.567878536
HOXA3	METTL1	0.014641432	-0.536941541
LFNG	METTL1	0.042801875	-0.456980076
BRAT1	METTL1	0.023713381	-0.503214776
IQCE	METTL1	0.004103219	-0.612372096
SSBP1	METTL1	0.013429812	0.542649004
CPVL	METTL1	0.030433249	-0.484401777
CHN2	METTL1	0.003585121	-0.619415383
ABHD11	METTL1	0.00233444	-0.640762275
NOD1	METTL1	0.001187271	0.671492947
GHRHR	METTL1	5.52E-05	0.777278283
CHCHD2	METTL1	0.019160879	0.518530666
PDAP1	METTL1	0.005917484	0.592414414
BUD31	METTL1	0.003032496	0.627928584
PTCD1	METTL1	0.028744263	0.488795659
NUDT1	METTL1	9.74E-05	0.761081042
TAF6	METTL1	0.016517855	0.528810469
MOSPD3	METTL1	0.017506768	-0.524819814
PCOLCE	METTL1	0.027078863	-0.493331593
IMPDH1	METTL1	0.001746104	-0.654373126
LSM5	METTL1	1.03E-06	0.862121238
C1GALT1	METTL1	5.78E-05	0.776017108
PLOD3	METTL1	0.010380484	-0.55911418
RPA3	METTL1	1.59E-07	0.889178016
NRF1	METTL1	1.32E-06	0.857898821
TSPAN13	METTL1	0.001327853	0.666634309
AHR	METTL1	0.048545797	-0.446309798
PSMA2	METTL1	0.005272276	0.598846352
MRPL32	METTL1	0.004290673	0.610004839
COA1	METTL1	0.014238894	0.538794097
URGCP	METTL1	0.008876252	0.56873781
AEBP1	METTL1	0.030895233	0.483233334
POLD2	METTL1	6.59E-05	0.772363174
YKT6	METTL1	0.04161729	0.459316525
GALNTL5	METTL1	0.003248251	0.62446258
CLIP2	METTL1	0.002456982	-0.638296247
EIF4H	METTL1	0.032487146	0.479309112
LIMK1	METTL1	0.009096154	-0.567251848
TMEM245	METTL1	4.77E-04	0.708087597
MEGF9	METTL1	0.02531613	-0.49837873
SUSD1	METTL1	0.02433144	-0.501320118
ENG	METTL1	0.007890556	-0.575792318

CDC37L1	METTL1	8.10E-04	0.687453125
PLGRKT	METTL1	3.81E-05	0.787206555
KDM4C	METTL1	2.46E-06	0.847036219
NCS1	METTL1	0.03957753	-0.463463092
TESK1	METTL1	0.003323748	-0.623294894
EDF1	METTL1	0.012983494	0.544856311
PIP5K1B	METTL1	0.002315016	0.641163035
PTGDS	METTL1	0.012704003	-0.546269937
ABCA2	METTL1	0.040207655	-0.462164818
UBE2R2	METTL1	0.011365865	-0.553408514
ZFAND5	METTL1	0.039304577	-0.464030445
HPS1	METTL1	0.034102215	-0.475478573
RASSF4	METTL1	0.010171356	-0.560381285
RAB11FIP2	METTL1	5.44E-04	0.703147537
EIF3A	METTL1	0.010661693	0.557442604
DDX50	METTL1	7.13E-06	0.826334906
ATE1	METTL1	0.032551285	0.479154185
PLEKHA1	METTL1	0.038145935	0.466473331
UNC5B	METTL1	0.042676648	-0.457224694
SPOCK2	METTL1	0.016005525	0.530953732
PPP3CB	METTL1	0.022641274	0.506596163
CCSER2	METTL1	0.002814346	0.631648242
SFXN3	METTL1	1.02E-05	-0.818646853
FBXW4	METTL1	0.021030308	0.511924265
NPM3	METTL1	1.17E-05	0.815694031
ARHGAP21	METTL1	0.012323821	-0.548233721
CPEB3	METTL1	0.035212005	-0.472927731
FBXL15	METTL1	0.001090693	-0.675119786
GTPBP4	METTL1	2.39E-04	0.73263893
BCCIP	METTL1	0.004587517	0.606425487
SH3PXD2A	METTL1	0.009971743	0.561610638
EBF3	METTL1	0.012101648	0.549404107
GLRX3	METTL1	0.037008683	0.468927784
FAM208B	METTL1	7.21E-04	0.692157319
SMC3	METTL1	0.001200226	0.671025506
TFAM	METTL1	2.51E-05	0.797758774
CUL2	METTL1	0.018208342	0.522096728
RPL28	METTL1	3.10E-05	0.7924979
ZMIZ1	METTL1	0.002842293	-0.631158591
ZNHIT3	METTL1	6.68E-06	0.827684033
RPL19	METTL1	1.60E-04	0.745833868
FBXL20	METTL1	0.045800299	-0.451281355
RAD51C	METTL1	0.00928969	0.56596806
TRIM37	METTL1	0.001088324	0.675212096
P2RX1	METTL1	0.049479397	-0.444668409
DHX40	METTL1	0.011998308	0.549954419
TUBD1	METTL1	0.011344368	0.553528628
RPS6KB1	METTL1	0.002675681	0.634139373
CDK5RAP3	METTL1	0.00348446	0.620880783
CBX1	METTL1	0.01373724	0.54116276
GALK1	METTL1	0.00112355	-0.673856567
CAMTA2	METTL1	0.001454829	-0.662604664
SLC25A11	METTL1	0.011937827	-0.55027828
RASD1	METTL1	0.004796355	-0.604020323

RAI1	METTL1	0.005964379	-0.591969819
NUP88	METTL1	5.52E-05	0.777284677
C1QBP	METTL1	0.02434219	0.501287504
BLMH	METTL1	0.007674716	0.577432426
CPD	METTL1	0.00945687	-0.564876515
DDX5	METTL1	1.97E-06	0.851019707
CCL7	METTL1	7.54E-05	0.768557849
PEX12	METTL1	1.07E-07	0.894167448
NAGLU	METTL1	0.045716408	-0.451436831
MLX	METTL1	0.024431161	-0.501018001
ABI3	METTL1	0.033714681	-0.476384572
PPP1R9B	METTL1	0.00481058	-0.603859667
COL1A1	METTL1	1.21E-04	0.754411122
MRPL27	METTL1	0.009686173	0.563404613
ALOX12	METTL1	8.52E-04	-0.685392959
SMURF2	METTL1	0.027525461	0.492094148
DUSP3	METTL1	7.44E-04	-0.690899356
PRKAR1A	METTL1	0.002753092	-0.632735778
RANGRF	METTL1	0.001634025	0.657393423
MYH3	METTL1	0.008452914	0.571685044
TMEM104	METTL1	0.001654248	-0.656835871
ALDOC	METTL1	3.37E-05	0.790381211
OCIAD1	METTL1	4.73E-04	0.708404503
DCUN1D4	METTL1	0.007289647	0.580454542
KIAA1211	METTL1	0.031528488	-0.481653756
NFKB1	METTL1	2.66E-04	0.729054543
UBE2D3	METTL1	0.047606072	0.44798658
NDUFC1	METTL1	8.97E-04	0.683309193
INPP4B	METTL1	0.02690953	0.493804991
IL2	METTL1	4.28E-04	0.712120592
RPL34	METTL1	4.93E-05	0.780357383
GAR1	METTL1	8.31E-06	0.823100842
CLCN3	METTL1	0.024147126	0.501881107
TRIM2	METTL1	0.029351328	0.487193605
SLC2A9	METTL1	0.030111733	-0.485223185
FBXW7	METTL1	0.007663916	0.577515483
STIM2	METTL1	0.00483959	0.603533226
MFSD10	METTL1	0.008188515	-0.573587412
GLRB	METTL1	1.97E-04	0.739023868
SNX25	METTL1	6.67E-04	0.695206314
LRP2BP	METTL1	0.027965482	0.490890289
CTSC	METTL1	0.041407103	-0.459736446
FNBP4	METTL1	0.039755045	0.463095741
SC5D	METTL1	3.93E-06	0.838271081
DNAJC4	METTL1	0.010841145	-0.556394506
SNX15	METTL1	0.005128005	-0.600372654
DTX4	METTL1	0.003682343	0.618032109
OSBP	METTL1	0.001635836	0.657343254
UNC93B1	METTL1	0.002662832	-0.63437562
PUS3	METTL1	0.004453703	0.608014578
PPP6R3	METTL1	0.013016654	0.544690228
MS4A6A	METTL1	0.019712382	-0.516530182
ST3GAL4	METTL1	0.001563038	-0.659397529
CCND1	METTL1	0.040176446	0.462228747

CCDC86	METTL1	0.001695453	0.655717304
PRPF19	METTL1	0.004767621	0.604346059
TRIM3	METTL1	0.020272372	-0.514544042
UPK2	METTL1	0.045379128	0.452064139
PDHX	METTL1	0.042279472	0.458004215
COMMD9	METTL1	0.008021744	-0.574813289
SLC15A3	METTL1	0.002614195	-0.635278548
CD5	METTL1	0.010366838	0.559196226
MDK	METTL1	0.048347069	-0.446662306
AMBRA1	METTL1	6.21E-04	0.698024015
SLC22A18	METTL1	0.006442833	-0.587590491
SLC35F2	METTL1	0.002960201	0.629135879
C11orf58	METTL1	2.63E-06	0.845882038
PITPNM1	METTL1	0.014873566	-0.535891773
RPS13	METTL1	1.11E-04	0.757101007
AIP	METTL1	0.001167442	0.67221678
TCIRG1	METTL1	8.03E-05	-0.766746808
CHKA	METTL1	0.023525117	-0.503799662
HPS5	METTL1	0.012786146	0.545851881
VWF	METTL1	0.012040963	-0.549726808
PPFIBP1	METTL1	0.024453311	0.50095103
CD69	METTL1	1.92E-05	0.804295073
PRDM4	METTL1	3.81E-05	0.78723355
CLEC2B	METTL1	0.009882591	0.562166162
CORO1C	METTL1	0.00417181	-0.611495714
CAMKK2	METTL1	0.007213868	-0.581064603
BIN2	METTL1	0.021316128	-0.510955823
IL23A	METTL1	0.010212923	0.56012776
BCL7A	METTL1	0.00454832	0.606886961
RSRC2	METTL1	0.004449205	0.608068679
LIN7A	METTL1	0.006786441	-0.584607326
KRT18	METTL1	7.06E-04	0.692957574
PPM1H	METTL1	0.017724413	-0.523965854
METAP2	METTL1	1.35E-05	0.812388853
SLC6A12	METTL1	0.029987228	-0.485543118
MAGOHB	METTL1	5.79E-06	0.830631191
ITFG2	METTL1	0.001021549	0.67788651
PARP11	METTL1	0.013864914	0.540553394
SH2B3	METTL1	0.011088432	-0.554973024
AKAP3	METTL1	0.001313088	0.667123672
DUSP16	METTL1	0.001877439	0.651034124
ALDH2	METTL1	0.036143698	-0.470834177
CDKN1B	METTL1	2.70E-04	0.728452248
LTBR	METTL1	0.002016777	-0.647699034
CDK2AP1	METTL1	0.006563707	-0.586526515
RASAL1	METTL1	0.032224977	0.479944877
GTF2H3	METTL1	0.002562152	0.636260348
SLC38A1	METTL1	0.005800378	0.593537455
VDR	METTL1	0.040791005	-0.460976881
TBC1D30	METTL1	0.003196988	-0.62526836
CAND1	METTL1	0.003370518	0.62258252
CNOT2	METTL1	0.034104851	0.475472438
TIMELESS	METTL1	1.72E-04	0.743510564
KRR1	METTL1	1.81E-06	0.852584787

MRPL51	METTL1	0.008306203	0.57273454
GAPDH	METTL1	0.036257392	-0.470581588
NOP2	METTL1	8.52E-04	0.685401743
ACRBP	METTL1	0.014613132	-0.537070436
UHRF1BP1L	METTL1	0.01722766	-0.525927451
COPS7A	METTL1	0.027006603	-0.493533322
USP5	METTL1	0.02241558	0.507324115
ENO2	METTL1	0.007315648	0.580246421
C12orf57	METTL1	5.59E-05	0.776952817
GOLT1B	METTL1	0.003604983	0.619130285
LDHB	METTL1	2.70E-05	0.795944235
COX6A1	METTL1	0.005579822	0.595704191
TDP2	METTL1	0.028807202	0.488628334
RWDD1	METTL1	3.71E-04	0.717280542
RSPH4A	METTL1	0.013672271	0.541474597
SMIM8	METTL1	0.004789518	0.60409768
MCM9	METTL1	0.005398084	0.597543202
FAM184A	METTL1	0.040581242	0.461402521
RNGTT	METTL1	0.001390193	0.664617269
SERINC1	METTL1	0.002610384	0.635349876
HINT3	METTL1	0.046469171	0.450049498
SRSF3	METTL1	2.66E-05	0.796382513
PHACTR1	METTL1	0.011359643	0.55344326
CD83	METTL1	1.26E-04	0.753167699
MDN1	METTL1	0.010327214	0.55943496
BACH2	METTL1	0.002743712	0.632904093
BAG2	METTL1	0.001076939	0.675658127
KHDRBS2	METTL1	0.009697701	0.563331367
CCNC	METTL1	0.018107352	0.522483485
PTP4A1	METTL1	0.010668939	0.557400007
ASCC3	METTL1	0.033863882	0.476034804
WASF1	METTL1	0.001920607	0.649979335
ALDH5A1	METTL1	0.019825144	0.51612666
RPS12	METTL1	3.07E-05	0.79274918
B3GAT2	METTL1	0.022801771	0.506081995
HBS1L	METTL1	0.002150328	0.644678742
PEX7	METTL1	1.85E-04	0.741085871
ZBTB24	METTL1	4.23E-05	0.784460699
HECA	METTL1	3.95E-04	0.715061648
HSD17B8	METTL1	0.012303824	0.548338364
CCR6	METTL1	5.53E-05	0.777240476
SLC22A2	METTL1	1.97E-04	0.739023868
PHF1	METTL1	0.002719734	0.633336533
CUTA	METTL1	2.96E-04	0.725286094
QKI	METTL1	0.034647921	-0.474216313
TFEB	METTL1	0.027972319	-0.490871702
MRPL2	METTL1	0.011515901	0.552575276
DNPH1	METTL1	0.034451675	0.474668447
EXOC2	METTL1	4.41E-04	0.71096886
COX7A2	METTL1	5.32E-04	0.703967769
FAM46A	METTL1	0.009567265	-0.564164309
HARS2	METTL1	0.010566572	0.558003983
NUDT12	METTL1	0.04330864	0.455995773
CEP72	METTL1	0.025258098	0.498549548

HMGCS1	METTL1	1.24E-04	0.753838226
DAP	METTL1	0.002405851	-0.639312444
NNT	METTL1	0.04339519	0.455828554
HSPA9	METTL1	1.32E-04	0.751942165
MRPS27	METTL1	0.033807107	0.476167757
PFDN1	METTL1	0.014831926	0.536079102
IK	METTL1	0.001052577	0.676626013
FAF2	METTL1	0.0109614	0.555699996
CLK4	METTL1	3.95E-04	0.715040553
ITK	METTL1	0.002660802	0.63441302
RNF130	METTL1	9.77E-04	-0.679737453
THG1L	METTL1	0.025009863	0.499283749
ARSB	METTL1	0.002349106	-0.640461542
TTC1	METTL1	0.044658223	0.453417079
RASGRF2	METTL1	0.048834625	0.445799435
CCNG1	METTL1	0.003308615	0.623527168
POLR3G	METTL1	0.022644473	0.506585889
SUB1	METTL1	0.001540295	0.660055751
PDE4D	METTL1	0.004657547	0.60560907
BRIX1	METTL1	0.004383318	0.608866317
SKP1	METTL1	1.85E-04	0.74105958
PPP2CA	METTL1	6.87E-04	0.6940806
NR3C1	METTL1	0.009077126	0.567379264
TRIM23	METTL1	8.60E-04	0.685014446
H2AFY	METTL1	0.034531039	-0.474485359
BNIP1	METTL1	0.001979481	0.648572341
HRH2	METTL1	0.004309004	-0.609777965
CRBN	METTL1	0.001144287	0.673075222
HRG	METTL1	0.025400526	0.498130862
CD86	METTL1	0.02693504	-0.493733525
NIT2	METTL1	0.009441257	0.564977787
FAM162A	METTL1	1.62E-06	0.854462416
PCCB	METTL1	0.010096994	0.56083695
UBE3A	METTL1	0.015065758	0.53503255
ARMC8	METTL1	0.010647972	0.557523333
CEP70	METTL1	0.00462531	0.605983626
SERPINI2	METTL1	0.011009764	-0.555422422
PFKFB4	METTL1	0.012346238	-0.548116583
HES1	METTL1	6.01E-04	0.699277045
GNAI2	METTL1	0.002071216	-0.646448262
USP9Y	METTL1	1.97E-04	0.739023868
RPL24	METTL1	2.31E-04	0.733765267
FXR1	METTL1	0.001619701	0.657791866
BBX	METTL1	0.002732502	0.633105867
IFT57	METTL1	0.001338108	0.666297087
GNB4	METTL1	0.042512328	-0.457546517
HHLA2	METTL1	0.001752081	0.654216681
MORC1	METTL1	0.042225796	-0.458109996
UMPS	METTL1	0.026498005	0.494965338
NCBP2	METTL1	5.58E-06	0.831359136
C3orf52	METTL1	0.037449404	0.467969744
SLC41A3	METTL1	0.001913411	0.650153798
ATP6V1A	METTL1	0.008816431	-0.56914723
PODXL2	METTL1	0.023952654	0.502476702

NEK11	METTL1	1.44E-04	0.749045275
MAPKAPK3	METTL1	0.039233784	-0.464178092
WDR48	METTL1	2.14E-04	0.736341829
RRP9	METTL1	1.25E-04	0.753415787
ABCC5	METTL1	0.048752404	-0.445944485
ABHD14B	METTL1	0.017933305	0.523154086
EIF1B	METTL1	0.001088286	0.675213577
ABHD14A-ACY1	METTL1	5.15E-04	0.705216353
KLHL24	METTL1	0.043173549	0.456257291
ZBTB47	METTL1	0.002353236	-0.640377116
TNNC1	METTL1	0.0349286	0.473573108
EEF1B2	METTL1	9.31E-05	0.762419569
ADAM23	METTL1	0.003558212	0.619803742
DGUOK	METTL1	5.09E-05	0.779491952
TTL	METTL1	0.039082329	-0.464494664
NCL	METTL1	6.36E-07	0.869678633
EPB41L5	METTL1	2.05E-05	0.802724702
TP53I3	METTL1	0.038063904	-0.466648455
DNAJC27	METTL1	0.002018695	0.647654484
CYTIP	METTL1	0.00969286	0.563362118
ACVR1	METTL1	0.007252598	0.580752154
SLC30A3	METTL1	0.0011221	0.673911658
GTF3C2	METTL1	0.014799336	0.536226015
PSMD14	METTL1	0.008890597	0.568639968
GPR75-ASB3	METTL1	0.028412203	0.489683252
SPTBN1	METTL1	0.00478175	0.604185692
RTN4	METTL1	0.007339106	-0.580059168
HTRA2	METTL1	1.67E-04	0.744504928
LOXL3	METTL1	0.014699623	-0.536677139
DOK1	METTL1	0.020121336	-0.515075379
CCDC88A	METTL1	0.011318849	-0.553671456
LANCL1	METTL1	0.005242938	0.599153915
WDR75	METTL1	0.012354495	0.548073476
USP34	METTL1	0.009747328	0.563016848
EHBP1	METTL1	4.97E-07	0.873401008
COQ10B	METTL1	0.006702283	0.585326322
SF3B1	METTL1	0.001156082	0.672636125
PDCL3	METTL1	0.012842694	0.54556535
MOB4	METTL1	0.005234522	0.599242404
HSPE1	METTL1	1.43E-05	0.81121473
KDM3A	METTL1	0.019597775	0.51694219
SMYD1	METTL1	0.003660778	0.618336299
CNPPD1	METTL1	0.014621841	0.537030747
UXS1	METTL1	3.66E-04	0.717759416
PPP1R7	METTL1	0.01596638	0.531119745
HPCAL1	METTL1	0.043824726	-0.455002453
ODC1	METTL1	0.0026264	0.635050661
CEBPZ	METTL1	9.45E-06	0.820363093
DCAF17	METTL1	0.011182964	0.554436409
RAB3GAP1	METTL1	3.58E-08	0.90680614
RMDN2	METTL1	0.029982316	0.485555761
DLX2	METTL1	0.04265832	-0.457260542
DARS	METTL1	2.69E-04	0.728601199
SRSF7	METTL1	9.19E-04	0.682310324

PLCL1	METTL1	0.008371873	0.572262915
PNO1	METTL1	9.27E-06	0.820758625
ORC4	METTL1	6.15E-05	0.77430019
THADA	METTL1	1.02E-04	0.759825781
TRAK2	METTL1	9.69E-05	0.761236793
C2orf42	METTL1	0.049252966	0.445064309
ARID3A	METTL1	0.001871263	-0.651186673
SUMO1	METTL1	0.001733182	0.654712929
ATP6V1B1	METTL1	0.047794457	0.447648417
NFE2L2	METTL1	6.59E-04	0.695691488
SPR	METTL1	0.017215881	-0.52597451
EPHA4	METTL1	0.003301932	0.623630021
FARSB	METTL1	0.008297521	0.572797119
ALMS1	METTL1	0.028791531	0.48866997
GPX7	METTL1	0.022680192	0.50647122
CACYBP	METTL1	0.006968794	0.583074161
RALGPS2	METTL1	0.002728639	0.633175563
ICMT	METTL1	0.041165944	-0.460220278
RPL22	METTL1	7.56E-05	0.76847642
QSOX1	METTL1	8.06E-04	-0.687652741
PHF13	METTL1	0.02445659	-0.500941116
PARK7	METTL1	0.011502217	0.552650904
HDAC1	METTL1	0.003480444	0.620939973
SWT1	METTL1	0.029664803	0.486376506
KIAA2013	METTL1	0.00471914	-0.604899344
MIIP	METTL1	0.008015363	-0.574860608
NCF2	METTL1	0.041506024	-0.459538612
SLC35D1	METTL1	0.007647569	0.577641373
PLA2G4A	METTL1	0.021243896	-0.511199587
PRDM2	METTL1	0.010927945	0.555892584
BCAS2	METTL1	3.06E-06	0.843049298
SRSF11	METTL1	0.018914767	0.519438244
AGMAT	METTL1	0.003092875	0.626938487
TTF2	METTL1	0.035461307	0.472363353
ADPRHL2	METTL1	0.005963138	0.591981549
MAP7D1	METTL1	0.026671544	-0.494474302
EXOC8	METTL1	0.043379785	0.455858298
MYCL	METTL1	0.015937725	-0.531241474
RLF	METTL1	1.17E-04	0.755584894
KMO	METTL1	0.017620111	0.524374042
ACADM	METTL1	0.026497072	0.494967985
SLAMF1	METTL1	0.009824775	0.56252861
CD48	METTL1	2.15E-04	0.736186857
PADI2	METTL1	0.034143053	-0.475383567
RPF1	METTL1	2.03E-04	0.738128619
KDM5B	METTL1	7.76E-05	0.767711831
CTBS	METTL1	0.044416428	-0.453874626
RGS4	METTL1	0.001026409	0.677686965
ZNHIT6	METTL1	0.001041755	0.677062043
PLA2G2D	METTL1	0.033014848	0.478041487
CR2	METTL1	0.00460236	0.606251592
APH1A	METTL1	0.013961486	0.540095469
SLC2A1	METTL1	0.033582762	0.476694834
EBNA1BP2	METTL1	0.006686054	0.585465818

ATP6V0B	METTL1	7.94E-04	-0.688276535
CNN3	METTL1	0.001073462	0.675795132
F3	METTL1	0.034162486	0.47533839
VAMP4	METTL1	0.005412919	0.597391186
DPH5	METTL1	3.32E-05	0.790755981
DIEXF	METTL1	0.001245126	0.669437716
SYF2	METTL1	0.008377268	0.572224301
RPA2	METTL1	0.014508479	0.537548835
SLC5A9	METTL1	0.007668679	-0.577478845
RCN2	METTL1	2.42E-05	0.798657086
CHRN4	METTL1	6.03E-04	0.699156051
CTSD	METTL1	3.53E-04	-0.719073527
STAG1	METTL1	0.007809197	0.576406189
A4GNT	METTL1	0.034925919	-0.473579232
STK11	METTL1	0.047916089	-0.447430622
RPS25	METTL1	3.85E-04	0.7159985
CAMSAP2	METTL1	0.033501053	0.476887484
FASTKD2	METTL1	9.97E-06	0.819191188
CREB1	METTL1	0.004426549	0.608341853
B4GALT6	METTL1	0.032664979	-0.478880141
USP35	METTL1	0.033214139	-0.477566876
ELOVL4	METTL1	0.031649226	0.481355417
CASP8AP2	METTL1	0.005757617	0.593952173
HMG3	METTL1	0.016998925	0.526845945
UBE3D	METTL1	0.001846649	0.651798928
PHF3	METTL1	0.001157532	0.672582401
AKAP7	METTL1	0.027389414	0.492469425
RAB32	METTL1	0.005112928	-0.600534195
ALDH8A1	METTL1	0.008446123	0.571733289
MED28	METTL1	0.014564449	0.537292635
ZNF430	METTL1	0.004657189	0.605613209
FOXO3	METTL1	0.003660489	-0.618340382
TGIF2	METTL1	0.003830244	0.615984742
FAM47E-STBD1	METTL1	0.005043671	-0.601281326
MFSD1	METTL1	0.020861256	-0.512501999
KLF12	METTL1	0.008976758	0.568054974
UCHL3	METTL1	0.007929833	0.575497816
HS1BP3	METTL1	0.005484834	-0.596659121
SATB2	METTL1	0.005074529	-0.600947403
UBE2B	METTL1	1.82E-04	0.741627766
TJP2	METTL1	0.023652702	-0.503402886
PIGZ	METTL1	0.013840128	-0.540671336
FKBP15	METTL1	0.011887002	-0.550551461
WDR34	METTL1	0.049291698	0.444996491
RAB14	METTL1	0.036997469	0.468952277
TRIM32	METTL1	0.027384304	0.492483549
SLC46A2	METTL1	0.048384584	-0.446595675
MAPKAP1	METTL1	3.07E-05	0.792728348
NR4A3	METTL1	3.99E-04	0.714635775
GALNT12	METTL1	0.046647192	0.449723935
DENND1A	METTL1	0.00121752	-0.670408129
ALG2	METTL1	0.005857735	0.592985094
CSF3R	METTL1	0.038089785	-0.466593172
KDSR	METTL1	0.033568773	0.476727791

YLPM1	METTL1	0.002671107	0.634223367
FCF1	METTL1	0.00482894	0.603652883
NEK9	METTL1	7.33E-04	0.691503169
IFT43	METTL1	0.015596532	0.532704568
IRF2BPL	METTL1	0.012451914	-0.547566669
LTBP2	METTL1	0.046406608	-0.450164139
DLST	METTL1	0.00439478	0.608726846
SLIRP	METTL1	0.003665865	0.618264404
NRDE2	METTL1	0.028514102	0.489410013
COQ6	METTL1	1.57E-04	0.746437249
SUPT7L	METTL1	1.83E-04	0.741462691
ATL2	METTL1	0.007525148	0.578591214
YPEL5	METTL1	0.003171023	0.625680589
LGALS1	METTL1	0.038562362	-0.46558879
OGFRL1	METTL1	0.009818325	-0.562569155
GPAM	METTL1	0.032182652	0.480047894
CUTC	METTL1	7.93E-06	0.824097931
CNNM1	METTL1	0.003202631	0.625179127
SMNDC1	METTL1	0.007981523	0.575112049
C10orf88	METTL1	0.011756428	0.551257644
FAM45A	METTL1	0.010702445	-0.557203344
SFRP5	METTL1	0.010406168	0.558959992
DUSP1	METTL1	0.03644911	-0.470157049
RCL1	METTL1	2.39E-05	0.798982653
CAAP1	METTL1	8.28E-06	0.823194733
MOB3B	METTL1	0.003577838	0.619520265
INSL4	METTL1	5.65E-04	0.701674909
CD274	METTL1	0.008141853	0.57392834
MTHFD1L	METTL1	8.13E-04	0.687313684
CCDC170	METTL1	0.041376643	-0.459797436
PLEKHG1	METTL1	1.56E-04	0.746675958
MYCT1	METTL1	0.011175331	-0.554479602
ARAP3	METTL1	0.002398196	-0.639466126
TNN	METTL1	0.018494206	0.521011184
CENPL	METTL1	0.007896989	0.575744
GORAB	METTL1	6.42E-06	0.828519757
ACAT2	METTL1	0.021747732	0.509512799
TCP1	METTL1	0.010781029	0.556744041
KCNJ5	METTL1	4.58E-05	0.782335282
NUDCD1	METTL1	1.74E-04	0.743182479
PLXDC2	METTL1	0.005709239	-0.594424446
EPC1	METTL1	4.62E-06	0.835118576
DNAJC15	METTL1	0.044856993	0.453042373
UFM1	METTL1	1.29E-05	0.813485014
ELF1	METTL1	0.039508396	0.463606506
HSPH1	METTL1	0.01074901	0.556930851
ALG5	METTL1	0.022419823	0.507310375
EXOSC8	METTL1	1.18E-05	0.815493681
ETF1	METTL1	0.019717938	0.516510257
TGFB1	METTL1	0.018871276	-0.519599603
PAIP2	METTL1	0.001739323	0.654551188
EGR1	METTL1	0.01655298	-0.528665488
UTP20	METTL1	0.005933689	0.592260456
TMPO	METTL1	0.028674516	0.488981422

NFYB	METTL1	3.28E-04	0.721678448
APAF1	METTL1	0.042810632	-0.456962991
DUSP4	METTL1	0.00571786	0.594340045
CHRNA2	METTL1	0.005944937	-0.592153795
PPP3CC	METTL1	0.003524479	0.620294039
PDLIM2	METTL1	0.006387306	-0.588084751
EPHX2	METTL1	0.01538395	0.5336292
UBIAD1	METTL1	0.008029228	0.574757831
COPS5	METTL1	5.84E-04	0.700419418
AKAP1	METTL1	0.00276198	0.632576738
COIL	METTL1	6.10E-05	0.774503319
SPOP	METTL1	0.010571056	0.557977425
TBX4	METTL1	0.003035501	0.627878918
NACA3P	METTL1	0.005687331	0.594639391
ADCY7	METTL1	0.001569413	-0.659214464
TSHZ3	METTL1	6.90E-04	-0.693882424
PYROXD1	METTL1	2.57E-04	0.730113232
BCL2L14	METTL1	0.024515561	0.500763062
PSPC1	METTL1	0.021052767	0.51184779
ZNF549	METTL1	3.26E-05	0.79121511
ZSCAN18	METTL1	0.023460629	0.504000863
SEC22A	METTL1	5.98E-04	0.699469496
DPPA4	METTL1	0.001755069	0.654138638
DESI2	METTL1	0.038020844	0.466740501
CAT	METTL1	0.009391016	-0.5653046
ZMYM2	METTL1	0.006445364	0.587568044
GJB6	METTL1	5.08E-04	0.705741417
TBC1D15	METTL1	1.35E-05	0.812453584
ZCCHC17	METTL1	0.024966738	0.499411886
POLR3GL	METTL1	0.004364364	0.609097621
ZNF639	METTL1	9.28E-04	0.681882673
PIK3CA	METTL1	8.73E-06	0.822064859
TMEM156	METTL1	4.71E-06	0.83475906
CXCR4	METTL1	0.001054631	0.676543697
ZRANB3	METTL1	0.009664689	0.563541309
SV2C	METTL1	0.028839417	-0.488542801
RPL21	METTL1	7.28E-05	0.769543983
GTF3A	METTL1	2.56E-05	0.79728604
RASL11A	METTL1	0.014501857	-0.537579199
MRPS2	METTL1	0.002626159	0.635055154
KIAA1191	METTL1	0.001074622	0.675749382
CD244	METTL1	4.51E-04	-0.710158075
ZC3H7A	METTL1	0.004364595	0.609094789
ZNF205	METTL1	0.003518626	-0.620379502
RPL5	METTL1	1.36E-04	0.751018076
ODF2L	METTL1	0.008434609	0.571815167
RWDD3	METTL1	3.17E-05	0.7919293
ZNF644	METTL1	6.49E-04	0.696314117
CCDC18	METTL1	0.021250239	0.511178156
RPAP2	METTL1	0.03500602	0.473396402
BBS9	METTL1	5.16E-04	0.705125097
CBX3	METTL1	0.002349556	0.64045233
HNRNPA2B1	METTL1	0.00275302	0.632737066
FAM126A	METTL1	0.020693849	0.513077792

CCZ1	METTL1	0.02229064	-0.507729596
GLIPR2	METTL1	8.63E-04	-0.684892022
CLTA	METTL1	0.024694589	-0.50022458
RECK	METTL1	0.009681305	0.563435565
AKR1D1	METTL1	0.014593377	0.53716053
PLAU	METTL1	0.005107718	0.600590116
BICC1	METTL1	0.031577244	-0.481533173
ACADS	METTL1	0.033888191	-0.47597793
CCDC91	METTL1	1.61E-05	0.808471788
WWP1	METTL1	0.009949075	0.561751502
EBPL	METTL1	0.014927029	0.535651864
OPTN	METTL1	0.037093524	0.46874267
ITIH5	METTL1	0.001056062	0.67648643
TSFM	METTL1	3.65E-04	0.717910217
PFDN5	METTL1	0.024536517	0.500699871
ORMDL2	METTL1	0.027723655	0.491550044
CDK2	METTL1	0.009018077	0.567776059
LRP1	METTL1	0.044208561	-0.454269509
KBTBD4	METTL1	8.42E-05	0.765350391
AMD1	METTL1	0.013699779	0.541342421
NDUFAF4	METTL1	7.69E-05	0.76796213
MORF4L2	METTL1	0.013580131	0.541918907
LPGAT1	METTL1	0.017093975	-0.526463072
BATF3	METTL1	0.048107897	-0.447088031
EXOSC9	METTL1	2.14E-05	0.801699653
MXD4	METTL1	0.024428896	-0.501024854
CKS2	METTL1	0.033035612	0.477991934
FAM124B	METTL1	0.041337082	-0.459876702
SLC12A4	METTL1	0.025444144	-0.498003012
HMGB1P1	METTL1	0.002155573	0.644563366
FAM209A	METTL1	0.007371422	0.579802018
SNX21	METTL1	0.004862154	-0.603280439
PREX1	METTL1	0.001904059	-0.650381316
NCOA3	METTL1	0.012459607	0.547526786
NCOA5	METTL1	0.001803636	0.652885428
ATP5E	METTL1	0.001772754	0.653678972
CHD6	METTL1	0.01210002	0.549412746
PLCG1	METTL1	0.030761039	0.483571316
SRSF6	METTL1	0.001140203	0.673228159
ZNFX1	METTL1	0.018766347	0.519990132
STX16	METTL1	0.016228557	0.530014047
PMEPA1	METTL1	0.001384481	0.664798881
DDX27	METTL1	5.85E-05	0.775709545
BCAS4	METTL1	0.039683489	0.463243665
FASTKD3	METTL1	0.044123746	0.454431043
CHST8	METTL1	0.044962502	-0.452843995
IQSEC2	METTL1	0.001804341	-0.652867444
PAIP2B	METTL1	0.004184406	0.611336071
SNRNP27	METTL1	0.042709508	0.457160452
MPHOSPH10	METTL1	3.25E-05	0.791309176
IL17C	METTL1	0.017313754	-0.525584267
ATP8A1	METTL1	0.004464145	0.607889173
LYPD3	METTL1	1.04E-05	0.818254569
F13A1	METTL1	0.004417274	-0.608454014

SLC17A3	METTL1	0.011811617	0.550958396
SERPINB6	METTL1	0.041681391	-0.459188788
OARD1	METTL1	5.50E-06	0.831665849
AARS2	METTL1	0.049584178	0.444485674
ZNF391	METTL1	0.047971661	0.447331256
RPS10	METTL1	5.23E-05	0.778762093
TBCC	METTL1	0.040066136	0.462455016
TREM1	METTL1	0.038177259	-0.466406535
MEA1	METTL1	0.006531764	0.586806115
GLO1	METTL1	2.87E-04	0.726392702
RIOK1	METTL1	3.10E-06	0.84282467
NUP153	METTL1	0.038171071	0.466419726
EEF1E1	METTL1	6.67E-04	0.695216397
LRRFIP1	METTL1	0.009312486	-0.565818286
SH3TC1	METTL1	0.015121609	-0.534784514
BBS2	METTL1	0.00755524	0.578356568
C16orf70	METTL1	0.032345133	-0.479652995
PIWIL1	METTL1	0.004771828	0.604298269
GPR18	METTL1	4.34E-05	0.783754365
UPF3B	METTL1	0.007145702	0.58161786
RNF113A	METTL1	0.004380815	0.608896818
NDUFA1	METTL1	0.006896004	0.583682166
FAM193A	METTL1	0.046737284	0.44955954
HS3ST3B1	METTL1	0.01339474	0.542820295
MRPS7	METTL1	0.003179769	0.625541421
TTF1	METTL1	0.0338478	0.476072446
GTF3C4	METTL1	2.13E-04	0.736492828
DDX31	METTL1	0.004284564	0.610080622
KIR2DL1	METTL1	0.036158117	-0.470802109
PPP1R12C	METTL1	0.036344963	-0.470387454
MBOAT7	METTL1	1.22E-04	-0.754224748
OPRL1	METTL1	0.02207909	-0.508420298
PPDPF	METTL1	0.014686783	-0.536735406
INSIG2	METTL1	9.50E-05	0.761823379
POLR1B	METTL1	7.34E-04	0.691413965
CCDC93	METTL1	0.017253648	0.525823715
GTF2F1	METTL1	0.038703719	-0.465290216
RPL23	METTL1	6.96E-05	0.770833278
SNRPD2	METTL1	8.90E-06	0.821644664
VASP	METTL1	0.003316657	-0.623403629
SDCBP2	METTL1	0.008540981	0.571062167
CD93	METTL1	0.019617347	-0.516871693
CENPB	METTL1	0.001772901	-0.653675175
DTD1	METTL1	0.012519261	0.547218181
ZNF133	METTL1	0.030413925	0.484450954
SNRPB2	METTL1	0.001036351	0.677281232
FAM110A	METTL1	0.02309251	-0.505157842
SIRPD	METTL1	0.040101786	-0.462381836
NCLN	METTL1	0.017356563	-0.525414129
HNRNPR	METTL1	6.66E-04	0.695272981
ARMCX5	METTL1	1.19E-04	0.754954218
DYNLRB1	METTL1	0.023933759	0.502534773
ERGIC3	METTL1	0.004424987	0.60836072
ROMO1	METTL1	0.004379207	0.608916423

MMP24-AS1	METTL1	1.50E-05	-0.810111449
UROD	METTL1	0.014264759	0.538673803
CAPNS1	METTL1	0.010165579	-0.560416591
PDCD2L	METTL1	0.003700911	0.617771369
RBM42	METTL1	0.04502397	-0.452728588
UBA2	METTL1	1.27E-05	0.813816885
COX6B1	METTL1	0.01706555	0.526577394
CCR7	METTL1	1.25E-05	0.814251613
FRMD8	METTL1	0.037616981	-0.467607762
IRF3	METTL1	0.039248639	0.464147094
PRMT1	METTL1	0.006836145	0.584186122
SCAF1	METTL1	0.040190401	-0.462200155
SBDS	METTL1	6.42E-04	0.696729181
HTN1	METTL1	1.89E-05	0.804653767
PRKCG	METTL1	0.005679955	0.594711917
NSRP1	METTL1	6.22E-07	0.870018891
DNAJC8	METTL1	0.015678507	0.53235072
EMG1	METTL1	2.68E-05	0.796155083
UXT	METTL1	3.02E-05	0.793176669
CFP	METTL1	0.002617989	-0.635207619
ATG14	METTL1	0.042840262	0.456905203
KTN1	METTL1	0.042046228	0.458464634
ZBTB1	METTL1	9.39E-04	0.681383991
PLEKHG3	METTL1	0.011134618	-0.554710389
SLC10A3	METTL1	0.031696065	-0.481239917
MAP2K2	METTL1	0.016779706	-0.52773556
HNRNPH2	METTL1	0.004228279	0.610783113
NXF5	METTL1	0.022831703	0.505986421
TIMM8A	METTL1	0.014103872	0.539424933
ZC4H2	METTL1	3.15E-05	0.792121008
COX7C	METTL1	1.74E-05	0.806593685
ABHD8	METTL1	3.52E-04	-0.719150101
RAB3IP	METTL1	7.27E-04	0.691824503
YEATS4	METTL1	9.66E-06	0.819886219
LRRC61	METTL1	0.00688017	0.583815123
HP1BP3	METTL1	0.026594427	0.494692197
F2RL3	METTL1	0.0337393	-0.476326776
GFER	METTL1	9.00E-04	-0.683167359
WDR24	METTL1	0.043527468	-0.45557348
GNG13	METTL1	0.002063411	0.646625897
TUBBP1	METTL1	0.004423062	0.608383997
METTL25	METTL1	0.001828917	0.652244238
EMC6	METTL1	0.005611335	0.595390338
METTL16	METTL1	3.15E-04	0.723180781
VIL1	METTL1	0.025067136	-0.499113845
PNKD	METTL1	0.008819485	-0.56912627
TNFRSF19	METTL1	0.008402358	0.572045004
RNF6	METTL1	0.004834713	0.603587987
HIP1	METTL1	0.013871694	-0.540521163
PTPN12	METTL1	0.005111994	-0.60054422
POR	METTL1	0.014506495	-0.53755793
FGL2	METTL1	0.033375287	-0.477184726
PEX1	METTL1	0.009309485	0.565837989
RBM48	METTL1	0.006460079	0.587437682

CASD1	METTL1	0.01103576	0.55527363
LRFN1	METTL1	0.016742949	-0.527885634
ZFP36	METTL1	0.002355985	-0.640321002
SRD5A3	METTL1	0.038905937	-0.464864561
SPINK2	METTL1	0.002562293	0.636257664
PAICS	METTL1	0.029568142	0.486627735
PPAT	METTL1	0.001421257	0.663640419
ASPHD2	METTL1	0.020138282	-0.515015607
VPREB3	METTL1	5.66E-04	0.701619794
C22orf24	METTL1	1.22E-04	0.754359744
POM121L9P	METTL1	0.042418389	0.457730928
A4GALT	METTL1	0.021364763	-0.510792064
TPST2	METTL1	0.008959458	-0.568172063
MPST	METTL1	0.003896626	-0.615087061
TST	METTL1	0.004620277	-0.606042292
LIF	METTL1	0.002532834	0.636820779
EMC4	METTL1	0.001003839	0.678620524
SPECC1	METTL1	0.015308763	-0.533958684
CPA4	METTL1	0.001707128	0.655404512
ATP6V1F	METTL1	0.028333212	-0.489895593
NAA38	METTL1	0.001043968	0.676972593
CDHR3	METTL1	0.022958363	0.505583094
PRKRIP1	METTL1	1.17E-05	0.815708096
DNAJB9	METTL1	6.85E-05	0.771269589
IRF5	METTL1	0.00763325	-0.577751827
NDUFA5	METTL1	0.007934182	0.575465284
MYO1B	METTL1	0.028606639	0.489162544
MTX2	METTL1	6.75E-04	0.694767799
CHN1	METTL1	0.003414044	0.621926899
EIF2S2P4	METTL1	0.032478115	0.479330946
ORMDL1	METTL1	0.003261925	0.624249421
HAT1	METTL1	0.007918948	0.575579311
HERC2	METTL1	0.043078086	0.456442476
WDFY4	METTL1	0.043040538	0.4565154
EIF2AK4	METTL1	0.008079757	-0.574384514
CGNL1	METTL1	0.00481857	0.603769598
ELL3	METTL1	0.007495182	0.578825638
INO80	METTL1	0.005762916	0.593900645
ALDH1A2	METTL1	0.042170803	-0.458218481
ANAPC13	METTL1	4.61E-04	0.709343605
MBD4	METTL1	0.002831287	0.631350944
PSMA1	METTL1	0.001790492	0.653221776
PALLD	METTL1	0.028569443	-0.48926194
SERGEF	METTL1	9.63E-04	0.680356016
RPAIN	METTL1	0.001296673	0.667673202
PLD2	METTL1	0.017622442	-0.524364899
KIF1C	METTL1	0.026037374	-0.496281124
CCNT1	METTL1	0.027768093	0.491428471
ILF3	METTL1	0.018611043	0.52057136
AP1M2	METTL1	0.038109986	-0.46655004
SIGLEC9	METTL1	0.005027623	-0.601455657
KLK10	METTL1	9.23E-04	0.682098544
NGDN	METTL1	3.42E-04	0.72020822
ADCY4	METTL1	0.010299775	-0.559600719

BCL2L2	METTL1	0.006112174	-0.590587152
PARP2	METTL1	0.049293353	0.444993592
EAPP	METTL1	1.23E-05	0.814515106
NEDD8	METTL1	0.007734	0.576978227
QRICH2	METTL1	0.036155667	0.470807557
SEC14L1	METTL1	0.003979336	-0.613986126
CDH15	METTL1	0.035271048	0.472793787
KLF16	METTL1	0.013591062	-0.541866068
ABHD17A	METTL1	0.004581691	-0.606493876
TNNI3	METTL1	0.029279823	0.487380948
CBFA2T3	METTL1	0.041498915	-0.459552817
PHF10	METTL1	0.001001903	0.678701417
PRRG3	METTL1	0.035196938	0.472961942
STARD8	METTL1	0.033953452	-0.475825405
SH3BP4	METTL1	0.039434799	-0.46375939
EXOC3L2	METTL1	0.022984199	-0.505501038
RPL36	METTL1	4.56E-04	0.709754379
ATP8B3	METTL1	2.79E-04	-0.727356124
SLC27A1	METTL1	0.03291644	-0.478276671
USHBP1	METTL1	0.012406639	0.547801805
COLGALT1	METTL1	0.001241113	-0.669577654
PGLS	METTL1	2.38E-04	-0.732717376
SNX9	METTL1	0.026913671	0.493793387
RTN4IP1	METTL1	1.09E-04	0.757628133
QRSL1	METTL1	1.11E-04	0.757223887
C6orf203	METTL1	3.97E-04	0.714854188
RSPH3	METTL1	0.00413728	-0.61193539
MLLT1	METTL1	0.038086939	-0.466599249
ACTN4	METTL1	0.025348298	-0.498284177
STK33	METTL1	7.48E-04	0.690655543
EPO	METTL1	0.001632969	0.657422708
MAP1S	METTL1	0.022977693	-0.505521695
SSBP4	METTL1	0.009871503	-0.56223554
KIAA1683	METTL1	0.015156493	0.534629967
HRC	METTL1	0.001284573	0.668082014
UBAC1	METTL1	0.001098304	-0.674824359
SAG	METTL1	0.002877792	0.630542378
LSP1	METTL1	0.027985342	-0.490836306
ATXN10	METTL1	0.019948731	0.515686501
TUBGCP2	METTL1	2.73E-04	-0.728150924
CYP2E1	METTL1	0.004307736	0.609793637
HBZ	METTL1	0.001881902	0.650924144
EXOSC2	METTL1	0.014887384	0.5358297
YIPF2	METTL1	0.033878817	-0.475999857
ATG4D	METTL1	0.016593377	-0.528499054
TMEM160	METTL1	0.010434435	-0.558790658
GMFG	METTL1	0.016864119	0.527391905
SESN2	METTL1	0.004674171	-0.605416755
ATPIF1	METTL1	0.005671908	0.594791118
THEMIS2	METTL1	0.01113522	-0.554706968
CCDC62	METTL1	0.004734133	0.604727739
HIP1R	METTL1	0.019058422	0.518907354
ZNF317	METTL1	0.023920151	0.502576618
EIF3G	METTL1	0.036712596	0.46957641

ZNF426	METTL1	8.12E-04	0.687372937
DKC1	METTL1	4.36E-05	0.783631781
MPP1	METTL1	0.00199306	-0.648252801
ZNF331	METTL1	3.10E-05	0.792495927
LRP3	METTL1	5.33E-04	-0.703923855
C12orf65	METTL1	5.84E-06	0.830430407
NOL11	METTL1	1.94E-05	0.804080661
PKDREJ	METTL1	0.0300668	-0.485338528
SLC35D2	METTL1	0.003913943	-0.614854962
PRRG1	METTL1	0.021612742	-0.509961662
POLN	METTL1	0.026095696	0.496113517
ULBP2	METTL1	3.86E-05	0.786857083
LILRB2	METTL1	0.015337312	-0.533833424
AAR2	METTL1	0.016998715	0.526846793
TTLL9	METTL1	0.025429972	0.498044532
RBM39	METTL1	0.020527852	0.513652404
ZNF227	METTL1	0.007098239	0.582005648
COX4I1	METTL1	3.22E-04	0.722388103
COX7B	METTL1	0.017133798	0.526303167
F12	METTL1	0.013969974	-0.540055343
RLIM	METTL1	0.042218006	0.458125358
TRAF3	METTL1	0.044432802	0.453843581
HAUS8	METTL1	0.01509906	0.534884566
SH3BP5	METTL1	0.043373806	0.455869844
HACL1	METTL1	0.010984452	0.555567568
CAPN7	METTL1	0.033609291	0.476632363
SLC6A6	METTL1	9.35E-04	-0.681562705
KCNC3	METTL1	0.038765005	-0.465161032
MGAT1	METTL1	0.001502828	-0.661158146
RPL27	METTL1	0.001331363	0.666518636
VPS25	METTL1	0.004963983	-0.602151532
NDUFA2	METTL1	1.50E-04	0.747787234
ACAP3	METTL1	0.014937101	-0.535606746
PPFIA1	METTL1	0.03093052	-0.483144652
TRAF7	METTL1	0.045385686	-0.452051908
NINJ1	METTL1	0.031114992	-0.482682322
ZCCHC9	METTL1	0.007251306	0.580762555
RARA	METTL1	0.006485237	-0.587215383
CHD1L	METTL1	0.047346788	0.448453697
RBM8A	METTL1	0.002579515	0.635930957
CLUHP3	METTL1	0.003822797	0.616086238
ZNF304	METTL1	0.004330832	0.609508854
USP29	METTL1	1.97E-04	0.739023868
SNRPA1	METTL1	0.006527988	0.586839239
LIN28A	METTL1	0.013420859	0.542692695
DNAJB1	METTL1	0.017881119	0.523356175
RFX1	METTL1	0.007254764	-0.580734723
C19orf57	METTL1	0.024586445	-0.500549487
SPATA6	METTL1	0.007653702	-0.577594116
SLC6A11	METTL1	0.004520288	0.607219004
FCRLA	METTL1	5.62E-04	0.701895035
LINC00470	METTL1	0.004648996	0.605708216
EMILIN2	METTL1	0.002391336	-0.639604204
ARFIP2	METTL1	0.010128332	0.560644591

TIMM10B	METTL1	0.005002929	0.601724811
HHLA1	METTL1	0.008411898	0.571976942
PTCD3	METTL1	0.00167667	0.656224353
MRPL35	METTL1	0.01308286	0.544359651
RAN	METTL1	1.97E-04	0.739107395
RAP1GAP2	METTL1	0.011189011	-0.554402209
TMEM128	METTL1	0.015560839	0.532859105
COQ3	METTL1	0.022228307	0.50793257
PNISR	METTL1	0.023590066	0.503597465
SEC61G	METTL1	0.002823478	0.631487807
UTP3	METTL1	0.033686338	0.476451153
ITGB4	METTL1	0.020626331	-0.513311067
H3F3B	METTL1	0.007912577	0.575627059
EIF5A	METTL1	3.09E-04	0.72376882
GUCY2D	METTL1	0.010717373	-0.55711588
GPS2	METTL1	4.93E-06	0.833847894
DLG4	METTL1	0.002407617	-0.639277041
NIP7	METTL1	0.001093248	0.675020393
POLR3F	METTL1	0.012157696	0.549107221
RIN2	METTL1	0.032496454	-0.479286614
DAP3	METTL1	0.001484232	0.661713904
RHBG	METTL1	0.048064898	0.44716474
ARHGEF11	METTL1	0.015650195	-0.532472761
RAB25	METTL1	7.13E-04	0.692601412
FCRL2	METTL1	0.019451623	0.517470402
DPH2	METTL1	0.022604107	0.506715644
TOE1	METTL1	0.010847145	0.55635971
NASP	METTL1	0.002041008	0.647138868
CTNBL1	METTL1	0.03545479	0.472378067
LPIN3	METTL1	0.015534683	0.532972534
OSER1	METTL1	2.16E-04	0.736012105
BHMT2	METTL1	0.026752555	0.494245942
AP3B1	METTL1	4.68E-04	0.708821648
SYT4	METTL1	0.013218743	0.543685368
SLC14A2	METTL1	0.002131557	0.645093607
ZMYM5	METTL1	0.002890015	0.630331654
USPL1	METTL1	9.95E-05	0.760454385
XPO4	METTL1	0.009270584	0.566093824
POMP	METTL1	0.009067828	0.567441602
HMGB1P5	METTL1	0.012435119	0.547653813
GPR12	METTL1	0.010401896	0.558985617
PIK3C2B	METTL1	0.007118305	0.581841447
SLC41A1	METTL1	0.003684545	0.618001125
LGR6	METTL1	0.020480035	-0.513818614
TPT1	METTL1	0.008524191	0.571180518
KL	METTL1	0.042003831	-0.458548536
MORC4	METTL1	0.010003319	0.561414846
BEX2	METTL1	1.55E-04	0.74673909
TCEAL4	METTL1	0.00180246	0.652915449
PRAM1	METTL1	8.65E-04	-0.684770291
PDE6B	METTL1	0.02304037	0.505322893
CSNK1G2	METTL1	0.044313607	-0.454069776
WDR74	METTL1	0.035338599	0.472640756
LGALS12	METTL1	4.78E-04	-0.707966584

RTN3	METTL1	6.19E-04	-0.698133444
RARRES3	METTL1	0.009580894	0.564076842
FOPNL	METTL1	0.001528239	0.660407989
MED10	METTL1	0.019624427	0.516846206
MORC2	METTL1	0.015775185	0.531935305
GGT2	METTL1	0.001160222	0.672482906
AGAP3	METTL1	0.002282042	-0.641849841
BTG1	METTL1	4.28E-05	0.784167551
C12orf29	METTL1	4.90E-04	0.707076053
TMTC1	METTL1	0.013565614	-0.541989131
LARS	METTL1	1.36E-04	0.751005923
IMPA1	METTL1	0.001968835	0.648824142
E2F5	METTL1	6.88E-04	0.693984718
CCDC59	METTL1	0.001621477	0.657742283
SWAP70	METTL1	2.42E-04	0.732168943
LYVE1	METTL1	0.043327594	-0.455959131
MICALCL	METTL1	0.003804603	-0.616334936
SBF2	METTL1	0.029970755	-0.485585526
MICAL2	METTL1	0.0046931	-0.605198462
RRAS2	METTL1	0.009947141	0.561763534
COX16	METTL1	7.36E-04	0.691341341
TTC9	METTL1	0.022552062	0.506883217
MED6	METTL1	3.35E-05	0.790555423
LOXL2	METTL1	0.041792946	0.458966848
CTIF	METTL1	0.002965648	-0.629044079
MRPS36	METTL1	9.05E-04	0.682919486
CDK7	METTL1	5.06E-05	0.779634049
THUMPD3	METTL1	0.001401944	0.664245605
GSTM1	METTL1	6.20E-05	0.774075017
PRPF38B	METTL1	6.73E-04	0.694898125
GSTM3	METTL1	0.049503969	0.444625529
PSRC1	METTL1	0.018508366	-0.520957763
SORT1	METTL1	0.004050085	-0.61305935
LAMTOR5	METTL1	0.002435433	0.638722349
AP4B1	METTL1	0.037343224	0.468199754
PPHLN1	METTL1	2.57E-04	0.730225169
ARF3	METTL1	0.008107072	-0.5741835
TMEM106C	METTL1	0.007235396	0.580890761
SLC38A2	METTL1	0.031897605	0.480744466
CDC73	METTL1	0.030801223	0.483469988
TIMM17A	METTL1	0.007007694	0.582751361
ERN2	METTL1	7.09E-05	0.770288849
RPS15A	METTL1	8.36E-04	0.686181625
FBXO18	METTL1	0.013665282	0.541508213
RBM17	METTL1	0.027043439	0.493430434
IL2RA	METTL1	0.001971057	0.648771502
MYBPC3	METTL1	0.0130354	-0.544596487
PUM1	METTL1	0.005743671	0.594087979
AGO4	METTL1	0.004445726	-0.608110549
HOOK1	METTL1	3.99E-04	0.714657864
CYP2J2	METTL1	6.15E-06	0.829396037
ZCCHC11	METTL1	0.004504071	0.607411873
PRPF38A	METTL1	9.22E-05	0.762697874
DSC2	METTL1	0.009521432	-0.564459183

RNF138	METTL1	6.86E-04	0.694136329
DAGLA	METTL1	0.008450742	-0.571700471
TIMM10	METTL1	0.01320699	0.54374347
APLNR	METTL1	0.009305613	0.565863412
C5AR2	METTL1	0.01147973	-0.552775349
UBAC2	METTL1	0.005716757	0.59435084
ARGLU1	METTL1	0.040298955	0.461978017
ERCC5	METTL1	0.005836785	0.593186335
ETS1	METTL1	1.81E-04	0.741771892
SLC37A2	METTL1	0.020452074	-0.513915946
WDR36	METTL1	0.02987302	0.485837511
UBQLN1	METTL1	0.005101695	0.60065481
NAA35	METTL1	0.005209955	0.5995014
ANXA1	METTL1	0.027220958	-0.492936139
AGTPBP1	METTL1	0.004666004	-0.605511159
GOLM1	METTL1	0.023615409	-0.50351869
ISCA1	METTL1	0.014016244	0.53983695
ADAM19	METTL1	0.028843539	0.488531862
HNF1A	METTL1	0.010596359	-0.557827748
FBXO21	METTL1	0.007113648	0.581879519
HRK	METTL1	0.010758452	0.556875718
DTX1	METTL1	0.02897883	0.488173511
TMEM243	METTL1	0.002690206	0.63387346
CCDC146	METTL1	0.00211059	0.645560645
PNPLA8	METTL1	3.02E-04	0.72462342
MDFIC	METTL1	0.012313153	0.548289531
MTO1	METTL1	0.008367819	0.572291943
SYNCRIP	METTL1	4.01E-04	0.714519036
NT5E	METTL1	0.005106214	0.600606261
AKIRIN2	METTL1	0.006090178	-0.590791181
ORC3	METTL1	0.003937411	0.614541792
LMO2	METTL1	0.005697176	-0.594542713
NAT10	METTL1	0.022831889	0.505985828
ATP5G2	METTL1	0.006244744	0.589370096
TESPA1	METTL1	4.26E-05	0.7842594
BLOC1S1	METTL1	0.016415697	0.529233535
PPP1R1A	METTL1	0.021002331	0.512019619
HNRNPA1	METTL1	1.18E-04	0.755273969
KCNH3	METTL1	0.047539421	-0.44810647
LTV1	METTL1	9.48E-06	0.820291964
MAP7	METTL1	0.041820074	-0.458912945
NHSL1	METTL1	0.015895232	-0.53142231
HEY2	METTL1	0.045622042	-0.451611984
SMPD2	METTL1	0.037209931	0.468489217
STX11	METTL1	0.001389869	-0.664627531
CCT7	METTL1	8.35E-04	0.68623247
SMYD5	METTL1	0.00104833	0.676796683
DYSF	METTL1	0.019127492	-0.518653237
GNS	METTL1	0.004823393	-0.603715283
KIAA0513	METTL1	0.001054761	-0.676538499
FHOD1	METTL1	0.001220087	-0.670317125
ZNF670	METTL1	0.019948154	0.515688551
URB2	METTL1	0.002060221	0.646698642
COG2	METTL1	0.016946214	0.527059008

DHX9	METTL1	9.45E-07	0.863453245
NPL	METTL1	0.019339175	-0.517878961
PIGC	METTL1	4.17E-04	0.713060923
ACBD6	METTL1	0.005801679	0.593524874
MRPL44	METTL1	0.008248245	0.573153313
DOCK10	METTL1	0.024791775	0.499933554
TTLL4	METTL1	0.026675648	-0.49446272
DNAJB2	METTL1	4.99E-05	0.780044466
REV1	METTL1	0.010206782	0.56016516
TMEM127	METTL1	4.73E-05	-0.781486415
GCC2	METTL1	2.79E-05	0.795142553
MRPS9	METTL1	0.009796453	0.562706791
GPR45	METTL1	0.002487846	0.637691359
EPC2	METTL1	9.94E-04	0.679043062
ISCU	METTL1	0.011877369	0.550603344
CKAP4	METTL1	0.007005966	-0.582765668
PLXNC1	METTL1	0.00569636	-0.59455072
PWP1	METTL1	1.60E-05	0.808517365
FLNB	METTL1	0.018918139	0.519425744
RNASEH2B	METTL1	9.66E-04	0.680206575
CKAP2	METTL1	0.036178792	0.470756144
THSD1	METTL1	0.039149445	0.464354261
LRCH1	METTL1	0.003639025	0.618644653
MED4	METTL1	0.011465924	0.552851848
PHF11	METTL1	0.037985864	0.466815334
RPL13AP25	METTL1	7.21E-04	0.692165797
NUDT15	METTL1	0.007408001	0.579512047
SETDB2	METTL1	0.036084965	0.470964904
TNS3	METTL1	0.033906542	-0.475935017
RAPGEF5	METTL1	1.91E-04	0.740105945
RAC1	METTL1	4.93E-04	-0.706828344
IL6	METTL1	0.005511696	0.596387698
ZDHHC4	METTL1	0.03236268	0.479610441
AOAH	METTL1	0.008144576	-0.573908398
BZW2	METTL1	1.66E-06	0.854010268
TBRG4	METTL1	0.025106315	0.498997795
MYO1G	METTL1	0.020954103	-0.512184235
TTYH3	METTL1	5.31E-04	-0.704017544
TM6SF1	METTL1	0.008130889	-0.574008673
RSAD1	METTL1	0.02021764	0.514736223
TACO1	METTL1	0.008487036	0.571443083
MRPL47	METTL1	2.59E-04	0.729872289
TRA2B	METTL1	7.40E-04	0.691107705
ERMN	METTL1	0.039130765	0.464393319
TANK	METTL1	0.010414869	0.558907833
BLK	METTL1	0.023066414	0.505240413
EPRS	METTL1	0.026995317	0.493564867
HLX	METTL1	0.014645612	-0.53692252
KCTD3	METTL1	0.016260204	-0.529881547
WDR33	METTL1	0.001766977	0.653828701
HS6ST1	METTL1	0.02798284	-0.490843105
GYPC	METTL1	0.037700213	0.46742844
STAM	METTL1	4.57E-04	0.709672678
YME1L1	METTL1	0.018925635	0.519397967

NIPSNAP3A	METTL1	0.020144285	-0.514994442
CDK9	METTL1	0.047486432	-0.448201876
C9orf78	METTL1	0.006051393	0.591152415
KLF4	METTL1	0.001888964	-0.650750538
FAM129B	METTL1	0.011594892	-0.552140118
SLC2A8	METTL1	0.002879341	-0.630515635
CDK5RAP2	METTL1	0.04697244	0.449131584
SLC31A2	METTL1	0.022171365	-0.50811838
SLC31A1	METTL1	0.017656609	-0.524230988
TLR4	METTL1	0.024588884	-0.500542147
STX17	METTL1	0.011046924	0.55520982
PRPF4	METTL1	0.019881858	0.515924399
ATP6V1G1	METTL1	2.56E-04	0.730306924
MRPL50	METTL1	9.51E-06	0.82021201
NR5A1	METTL1	0.006786175	-0.58460959
XPA	METTL1	0.003540221	0.620064761
ANP32B	METTL1	0.031937958	0.48064556
PDCL	METTL1	0.004129832	0.612030631
RPL35	METTL1	2.44E-05	0.798440276
CTSV	METTL1	0.008811604	0.569180365
DERL1	METTL1	0.00744369	0.579230262
MYC	METTL1	0.006203234	0.589748874
RANBP6	METTL1	9.39E-04	0.68140164
POLR1E	METTL1	0.007600292	0.578006703
IL11RA	METTL1	0.01303127	0.54461713
TLN1	METTL1	0.045061464	-0.452658252
CD72	METTL1	0.007151137	0.581573595
HINT2	METTL1	0.00961974	0.563828108
RPS6	METTL1	9.66E-04	0.680222013
CNPY3	METTL1	0.015518115	-0.533044462
KIF13A	METTL1	0.002351255	-0.64041759
CMTR1	METTL1	0.020892584	0.512394655
TMEM14B	METTL1	0.002145415	0.644787036
FRS3	METTL1	0.037825693	-0.467158673
UQCC2	METTL1	0.004621115	0.606032527
IER3	METTL1	0.011037368	-0.555264438
NRM	METTL1	0.02666982	-0.494479168
FGFBP2	METTL1	0.048196808	-0.446929581
FCHSD2	METTL1	2.19E-04	0.735519398
ARRB1	METTL1	0.007902904	-0.575699605
NUMA1	METTL1	0.016910447	0.527203887
CCDC90B	METTL1	0.017242395	0.525868616
RAB30	METTL1	8.19E-05	0.766151548
LRRC32	METTL1	2.26E-05	0.800309103
NARS2	METTL1	0.003866474	0.615493214
SLCO5A1	METTL1	0.006538252	0.58674923
TGS1	METTL1	2.71E-05	0.795846804
NEK1	METTL1	0.00139585	0.664438022
TMPRSS4	METTL1	0.019105936	0.518732468
C11orf70	METTL1	0.004092659	0.612508085
PPP2R1B	METTL1	0.003172497	0.625657111
C11orf1	METTL1	7.01E-04	0.693244595
ALKBH8	METTL1	3.94E-05	0.786300833
CTDSPL2	METTL1	0.023223277	0.504745185

SLTM	METTL1	0.004017479	0.613484792
HAUS2	METTL1	2.60E-04	0.729786679
PARP6	METTL1	0.002166918	0.644314582
RPLP1	METTL1	3.62E-04	0.718227709
SMAD6	METTL1	0.001276203	-0.668366726
PLCB2	METTL1	2.66E-04	-0.72895324
STRA6	METTL1	0.046276346	0.450403217
RSL24D1	METTL1	6.99E-05	0.770718027
SPTBN5	METTL1	0.018390566	-0.52140319
GTF2B	METTL1	5.59E-04	0.702109125
RABGGTB	METTL1	7.23E-04	0.692021739
CGREF1	METTL1	0.017382983	0.525309295
PNPT1	METTL1	0.006957526	0.583167942
DYNC2L1	METTL1	0.027681988	0.491664178
THUMPD2	METTL1	0.009957044	0.561701951
SLC5A6	METTL1	3.80E-04	0.716418683
FBXO11	METTL1	0.008934003	0.568344686
ATRAID	METTL1	0.020466794	0.513864692
DUSP5	METTL1	1.53E-04	0.747239801
CALHM2	METTL1	0.029150191	-0.487721502
KIF20B	METTL1	0.001383236	0.664838548
ANXA7	METTL1	0.02956227	0.486643017
FAM149B1	METTL1	0.011746573	0.5513112
NCOA4	METTL1	0.001408821	-0.664029303
MSMB	METTL1	0.004423062	0.608383997
RPS24	METTL1	2.25E-04	0.734602251
AOX1	METTL1	0.044529898	-0.45365967
ATIC	METTL1	3.67E-04	0.717670116
ASNSD1	METTL1	0.041902994	0.458748353
METTL5	METTL1	6.75E-05	0.771686377
SSB	METTL1	0.013590464	0.541868958
PPIG	METTL1	2.36E-04	0.733104092
OLA1	METTL1	0.002449475	0.63844435
CIR1	METTL1	0.00293404	0.629578804
SSFA2	METTL1	0.010506706	-0.558359399
WDR12	METTL1	0.00467023	0.605462288
ABI2	METTL1	0.035033049	0.473334781
ITGAV	METTL1	0.021232469	-0.511238212
SLC35A5	METTL1	0.031358108	-0.482076288
DIRC2	METTL1	0.006129542	-0.59042648
SENP7	METTL1	0.023632207	0.50346651
COX17	METTL1	2.57E-04	0.730231556
SECISBP2L	METTL1	5.61E-05	0.776861473
PARP16	METTL1	0.039910629	0.462774814
COPS4	METTL1	0.003065263	0.627389247
HNRNPD	METTL1	0.010375819	0.559142222
FGF5	METTL1	0.003686808	0.617969312
PDE5A	METTL1	0.032002238	-0.480488211
NUP54	METTL1	0.00180731	0.652791777
G3BP2	METTL1	6.16E-06	0.829371945
CDKL2	METTL1	0.028479232	0.489503428
GSTCD	METTL1	0.010668044	0.557405271
INTS12	METTL1	3.92E-05	0.786441173
CASP6	METTL1	0.001456196	0.662562913

LEF1	METTL1	0.025310083	0.498396515
EGF	METTL1	0.043153923	-0.456295336
SLC39A8	METTL1	0.001717577	0.655126099
FBN2	METTL1	0.034870461	-0.473706009
RGS3	METTL1	0.041407125	-0.459736402
ETV6	METTL1	0.001918872	-0.650021354
CPNE8	METTL1	0.036736114	-0.469524742
YARS2	METTL1	0.028663362	0.48901116
FGD4	METTL1	0.022728556	-0.506316189
FAM60A	METTL1	6.93E-07	0.868356221
AEBP2	METTL1	0.001337639	0.66631247
TMEM117	METTL1	3.16E-04	0.722968533
NDUFA9	METTL1	0.008738554	0.569683626
CD27	METTL1	0.014270496	0.538647146
PEX5	METTL1	0.006816667	0.584350883
AMIGO2	METTL1	0.00625361	0.58928946
LLPH	METTL1	0.013712318	0.541282238
INHBE	METTL1	0.025737462	0.497147722
TMEM19	METTL1	0.037581206	0.467684934
LUM	METTL1	0.008357129	0.572368534
SNRPF	METTL1	1.42E-04	0.74947649
NEDD1	METTL1	0.003541188	0.620050691
TDG	METTL1	0.003610327	0.619053798
SDSL	METTL1	0.04686482	-0.449327234
MMAB	METTL1	0.011692712	0.551604549
GLTP	METTL1	0.002340373	-0.640640431
LNX2	METTL1	0.001818644	0.652503887
SUOX	METTL1	0.024574998	-0.500583943
TARBP2	METTL1	0.00155968	0.659494194
BRCA2	METTL1	0.006808827	0.584417306
KANSL2	METTL1	8.12E-04	0.687346002
GALNT6	METTL1	0.035341021	-0.472635275
WDFY2	METTL1	0.04866177	-0.446104592
HNRNPA1L2	METTL1	1.32E-04	0.751920288
RHOF	METTL1	0.039259173	0.464125117
DENR	METTL1	3.60E-05	0.788653567
ABHD13	METTL1	8.51E-04	0.68543924
NOVA1	METTL1	0.029196057	0.487600873
PELI2	METTL1	0.005784018	-0.593695829
RTN1	METTL1	0.029375873	-0.487129379
NAA30	METTL1	9.56E-05	0.761634059
RAB15	METTL1	0.012639156	0.546601504
WDR89	METTL1	5.50E-05	0.777387776
STON2	METTL1	0.01925489	-0.518186437
EFCAB11	METTL1	0.039769017	0.463066881
GPR65	METTL1	0.002937875	0.629513682
SLC24A4	METTL1	0.00689221	-0.583714006
FBLN5	METTL1	0.004375899	0.608956756
WDR20	METTL1	0.005177777	0.599842146
NIPA2	METTL1	0.00255371	0.636421169
MFAP1	METTL1	0.004501113	0.607447115
TCF12	METTL1	0.031559097	0.481578039
SERF2	METTL1	0.032505857	0.479263891
GTF2A2	METTL1	0.006062384	0.591049851

SRP14	METTL1	6.64E-04	0.695409432
TLE3	METTL1	0.034471547	-0.474622573
PSTPIP1	METTL1	0.036433377	-0.470191821
BCL2A1	METTL1	0.034199319	0.475252816
HMG20A	METTL1	0.045177519	0.452440826
SCAPER	METTL1	0.040268011	0.462041292
WDR61	METTL1	0.038355034	0.466028248
NEIL1	METTL1	0.040911707	0.460732727
MAN2C1	METTL1	0.027724365	-0.491548103
DNAJA4	METTL1	0.033861131	0.476041242
TPM1	METTL1	0.006243993	-0.589376933
PCSK6	METTL1	0.027212379	-0.49295997
ABHD2	METTL1	0.029918454	-0.48572029
ZNF710	METTL1	6.13E-04	-0.698537262
FURIN	METTL1	0.012076102	-0.549539792
IQGAP1	METTL1	0.044624919	-0.453479986
CRTC3	METTL1	0.001470727	0.662121157
PMM2	METTL1	0.024610058	0.500478446
ITGAX	METTL1	0.035838831	-0.471514553
PARN	METTL1	1.04E-04	0.759104468
CDR2	METTL1	2.32E-06	0.848149402
IGSF6	METTL1	0.015272975	-0.534115971
MARVELD3	METTL1	0.03714638	0.468627511
ZFH3	METTL1	0.004655131	-0.605637063
CPNE2	METTL1	0.012932567	-0.54511205
KIFC3	METTL1	0.017653362	-0.524243703
CMTM3	METTL1	0.012309159	-0.548310431
MBTSP1	METTL1	0.012998028	0.544783476
OSGIN1	METTL1	0.004010699	0.61357362
GALNS	METTL1	0.033468097	-0.476965289
COPS3	METTL1	0.001788568	0.653271176
ZNF287	METTL1	0.015886015	0.531461588
KSR1	METTL1	0.009510467	-0.564529894
RANBP10	METTL1	0.026797037	0.494120782
NOB1	METTL1	4.49E-05	0.782876721
PRPSAP2	METTL1	6.21E-04	0.697996536
PCTP	METTL1	0.006525203	-0.586863679
SKAP1	METTL1	0.002862209	0.630812099
G6PC3	METTL1	0.035288273	-0.472754745
PTRH2	METTL1	6.05E-06	0.829719338
TAF4B	METTL1	4.02E-06	0.837878589
AFG3L2	METTL1	0.003053208	0.627587111
IMPA2	METTL1	7.33E-04	-0.691493239
RPRD1A	METTL1	0.001003304	0.678642877
C18orf21	METTL1	0.023161971	0.504938414
ASXL3	METTL1	0.022893002	-0.505791003
ESCO1	METTL1	5.97E-06	0.830014862
ARRB2	METTL1	5.31E-04	-0.704073914
SAT2	METTL1	0.028323164	-0.489922638
ASGR1	METTL1	0.019898852	-0.515863883
PIK3R5	METTL1	0.039677047	-0.463256993
SLC16A3	METTL1	0.00383869	-0.615869815
TTYH2	METTL1	0.016424561	-0.529196742
EIF4A3	METTL1	1.96E-04	0.739160689

NARF	METTL1	0.024478631	0.500874528
CBX8	METTL1	0.014431964	-0.537900363
SECTM1	METTL1	0.0111377	-0.553346373
RNF157	METTL1	8.71E-04	0.68451205
CBX4	METTL1	0.026950667	-0.493689771
ELAC1	METTL1	0.003366504	0.622643331
SMAD4	METTL1	0.005171902	0.599904548
PMAIP1	METTL1	0.002492598	0.637598797
IGFBP4	METTL1	0.006539335	0.586739741
NFIC	METTL1	0.008314431	-0.572675279
TPGS1	METTL1	0.031095108	-0.482732054
PRDM15	METTL1	0.028541991	0.489335363
FEM1A	METTL1	0.036884602	-0.469199111
MVB12A	METTL1	0.027518259	-0.492113976
SOD1	METTL1	1.56E-05	0.809197482
URB1	METTL1	0.045896821	0.451102741
AKT1	METTL1	0.030883347	-0.483263224
SAE1	METTL1	5.28E-05	0.778497821
RNPEPL1	METTL1	0.003311062	-0.623489556
MYO1F	METTL1	1.11E-04	-0.757211995
NLRP12	METTL1	0.018915649	-0.519434975
ZNF787	METTL1	4.82E-04	-0.707713125
RPS11	METTL1	4.81E-06	0.834351154
RPL13A	METTL1	6.13E-04	0.698549234
CTU1	METTL1	0.025361638	-0.498244995
NOSIP	METTL1	0.019922152	0.51578098
RCN3	METTL1	0.008565051	-0.570892843
ZNF614	METTL1	1.02E-06	0.862234141
ARHGEF19	METTL1	0.010227076	0.560041628
EFHD2	METTL1	4.33E-05	-0.783808956
PGD	METTL1	0.010116672	-0.560716105
RPL11	METTL1	2.34E-04	0.733284758
EVA1B	METTL1	9.88E-04	-0.679268886
CYR61	METTL1	0.011186097	0.554418691
PIGK	METTL1	0.030476761	0.484291137
TINAGL1	METTL1	0.042056793	-0.458443736
RPS8	METTL1	1.49E-04	0.748003638
LMO4	METTL1	0.013251779	-0.543522283
SYPL2	METTL1	6.09E-04	0.698747485
MTF2	METTL1	0.013099847	0.544275051
ZNF697	METTL1	0.011851548	-0.550742581
PROK1	METTL1	0.011799939	0.551021619
NME7	METTL1	0.001180601	0.671735287
MPC2	METTL1	9.06E-06	0.821273594
CREG1	METTL1	0.006601372	-0.586198257
DCAF6	METTL1	0.030371254	0.484559631
ILDR2	METTL1	0.041673259	-0.459204985
UFC1	METTL1	2.78E-04	0.727491537
FCGR2A	METTL1	0.002176641	-0.644102254
PFDN2	METTL1	0.001221498	0.67026715
FCRL5	METTL1	3.95E-04	0.715047742
MRPL24	METTL1	0.016314606	0.529654266
HDGF	METTL1	0.046362153	-0.450245673
RGS16	METTL1	7.96E-07	0.866187019

HMCN1	METTL1	0.005849673	0.593062469
SNX27	METTL1	0.007290748	-0.58044572
ADAMTSL4	METTL1	0.003475216	-0.621017102
RFX5	METTL1	0.00869539	0.569982612
PI4KB	METTL1	0.021997297	0.508688757
ANP32E	METTL1	0.042671416	0.457234925
ENSA	METTL1	2.00E-04	0.738498979
MRPL9	METTL1	1.57E-04	0.746463651
IKBKE	METTL1	0.04684352	0.449365998
EIF2D	METTL1	0.006316705	0.588718318
SMYD2	METTL1	0.001037518	0.677233802
SUSD4	METTL1	0.009247211	0.56624796
DUSP10	METTL1	0.004719167	0.604899033
ATP8B2	METTL1	0.032372268	0.479587198
ADAM15	METTL1	0.001245729	-0.669416728
RAB13	METTL1	0.021181323	-0.511411286
SLC27A3	METTL1	0.002265498	-0.642197565
HAX1	METTL1	8.12E-06	0.823614277
AQP10	METTL1	0.018620951	-0.520534164
ILF2	METTL1	2.82E-05	0.794850519
C1orf131	METTL1	0.045207581	0.452384578
GALNT2	METTL1	0.007289856	-0.580452869
ACP1	METTL1	6.24E-05	0.773883149
SNAP47	METTL1	0.04284613	0.456893762
DEGS1	METTL1	0.002394352	0.639543456
FBXO28	METTL1	0.00498587	0.60191138
ARF1	METTL1	0.010695703	-0.557242873
CNIH4	METTL1	0.044798805	-0.453151933
CNIH3	METTL1	0.023661509	-0.503375562
PARP1	METTL1	0.009921554	0.561922876
PYCR2	METTL1	2.15E-07	0.885193118
SOX13	METTL1	0.045842239	-0.45120371
ARL8A	METTL1	2.12E-04	-0.736643824
EML4	METTL1	4.98E-04	0.706489106
RPS27A	METTL1	5.16E-05	0.779106902
ETAA1	METTL1	1.06E-04	0.758457356
SNRPG	METTL1	1.60E-04	0.745836118
MEIS1	METTL1	0.010596828	-0.557824977
TPRKB	METTL1	4.72E-04	0.708448229
SFXN5	METTL1	9.81E-04	-0.679602638
DUSP11	METTL1	4.56E-04	0.709777299
ZC3H8	METTL1	0.002965246	0.629050834
LIPT1	METTL1	0.002005509	0.647961455
TRIM43CP	METTL1	1.97E-04	0.739023868
AFF3	METTL1	0.00701623	0.582680729
POLR2D	METTL1	0.001477349	0.661921073
PHOSPHO2	METTL1	0.048208237	0.446909228
HSPD1	METTL1	5.28E-04	0.704284531
UNC80	METTL1	0.009710284	0.563251496
SPAG16	METTL1	1.54E-05	0.809457148
SUMF1	METTL1	1.16E-04	-0.755834073
HES6	METTL1	1.58E-04	-0.746125289
DIS3L2	METTL1	0.044272757	0.454147405
FANCD2	METTL1	0.00474132	0.604645637

TAMM41	METTL1	0.035404831	0.472490934
CTDSP1	METTL1	3.86E-04	-0.715850147
STK11IP	METTL1	0.00162385	-0.657676131
RBMS3	METTL1	0.03532736	0.472666202
OSBPL10	METTL1	0.00256412	0.636222914
SLC25A38	METTL1	0.00347779	0.620979109
GOLGA4	METTL1	0.033211844	0.47757233
CTDSPL	METTL1	0.034156432	-0.475352463
IQSEC1	METTL1	0.034916318	-0.473601169
RPL32	METTL1	3.03E-05	0.793044251
SLC25A26	METTL1	2.19E-05	0.801090195
TMF1	METTL1	0.001743055	0.654453126
ADPRH	METTL1	0.032538686	-0.479184596
MED12L	METTL1	0.007820395	-0.576321391
EIF2A	METTL1	0.049026736	0.445461254
NCEH1	METTL1	0.024113955	-0.501982429
SPATA16	METTL1	0.007117936	0.581844462
EAF2	METTL1	1.01E-04	0.760021674
EIF2B5	METTL1	0.001109293	0.674400808
DGKQ	METTL1	0.022310194	-0.507666019
FIP1L1	METTL1	0.011638088	0.551903168
CENPC	METTL1	0.004597484	0.606308672
OCIAD2	METTL1	1.40E-06	0.856923876
ENOPH1	METTL1	0.006636854	0.585890437
TRMT10A	METTL1	0.006280165	0.589048509
TBCK	METTL1	0.002133322	0.645054465
CAMK2D	METTL1	0.001978857	0.648587075
CISD2	METTL1	0.034622278	0.474275279
TIFA	METTL1	0.002286342	0.641759822
METTL14	METTL1	0.017923209	0.523193146
USP53	METTL1	0.032788026	0.478584396
RPS3A	METTL1	0.002193087	0.643744892
RPL37	METTL1	9.09E-05	0.763113634
ANKRD31	METTL1	0.001006611	0.678504918
IQGAP2	METTL1	0.03200632	-0.480478227
PAM	METTL1	0.001021968	-0.677869293
BDP1	METTL1	0.043170927	0.456262373
BTF3	METTL1	2.98E-04	0.725035208
TNFAIP8	METTL1	3.13E-07	0.880082794
ATG12	METTL1	0.030295037	0.484754044
YIPF5	METTL1	0.039758258	0.463089102
ARHGAP26	METTL1	0.002149229	-0.644702954
CXCL14	METTL1	0.002855514	0.630928349
DDX46	METTL1	0.011900106	0.550480934
RNF145	METTL1	8.65E-04	0.684775682
C1QTNF2	METTL1	0.029406482	0.487049346
G3BP1	METTL1	0.043039506	0.456517405
N4BP3	METTL1	0.019744476	0.516415145
NHP2	METTL1	2.09E-04	0.737181941
RMND5B	METTL1	0.020745827	0.512898618
BOD1	METTL1	0.01215569	0.54911783
TENM2	METTL1	0.012381649	0.547931892
FARS2	METTL1	2.36E-05	0.79932846
CDKAL1	METTL1	8.60E-04	0.685039839

ZMAT2	METTL1	0.001723797	0.654961029
DCDC2	METTL1	0.049837547	0.444045027
TRIM7	METTL1	0.005976717	-0.591853319
DOK3	METTL1	0.001859649	-0.651474725
PPP1R18	METTL1	0.032422616	-0.479465225
RPL7L1	METTL1	0.046553453	0.449895244
PM20D2	METTL1	0.014865972	0.535925905
RARS2	METTL1	0.002774597	0.632351701
GPR6	METTL1	1.97E-04	0.739023868
RNF217	METTL1	0.00258648	-0.635799347
SLC18B1	METTL1	0.015322012	0.533900529
WTAP	METTL1	5.81E-04	0.70056663
VWDE	METTL1	0.015097821	0.534890066
WASH2P	METTL1	0.012809617	-0.545732833
RBAK	METTL1	0.010119012	0.560701747
CREB5	METTL1	0.028386487	-0.489752329
PURB	METTL1	0.00527235	0.598845577
ZNF92	METTL1	0.010271767	0.559770282
SLC12A9	METTL1	0.001784501	-0.653375768
TMEM140	METTL1	0.048088335	-0.447122922
TLK2	METTL1	0.01854273	0.52082825
NLGN4X	METTL1	3.08E-04	0.723964514
LANCL3	METTL1	0.036946903	-0.469062788
CASK	METTL1	2.61E-04	0.72961982
KDM6A	METTL1	0.019377395	0.517739882
CCNB3	METTL1	0.024289761	0.50144668
ZNF157	METTL1	0.005159439	0.600037113
ZNF182	METTL1	0.02319091	0.504847153
CHST7	METTL1	0.030214667	-0.484959464
NDUFB11	METTL1	0.024118287	0.50196919
ZNF41	METTL1	0.02149621	0.510350943
GPR174	METTL1	0.01049074	0.558454464
NONO	METTL1	0.009764232	0.562910014
IL2RG	METTL1	3.78E-04	0.716646627
ZNF711	METTL1	0.00571821	0.59433662
PRPS1	METTL1	2.04E-07	0.885921759
CXorf57	METTL1	0.043104269	0.456391653
RBMX	METTL1	2.17E-04	0.735902728
MCPH1	METTL1	0.0016612	0.656645535
MFHAS1	METTL1	0.003997845	0.613742362
FBXO25	METTL1	0.002232962	0.642887615
ZNF185	METTL1	0.010174596	-0.560361498
RPL10	METTL1	0.002092425	0.645968404
CSGALNACT1	METTL1	0.039301443	0.464036977
ATP6V1B2	METTL1	0.038022071	-0.466737877
CCDC25	METTL1	4.63E-04	0.709213502
DOK2	METTL1	0.004524242	-0.607172065
CHMP7	METTL1	0.003547272	0.619962323
DOCK5	METTL1	0.002638101	-0.634833003
MRPS28	METTL1	0.002543019	0.636625477
TERF1	METTL1	0.028377106	0.489777541
RPL7	METTL1	0.004525786	0.607153738
EBAG9	METTL1	0.021302335	0.511002319
POLR2K	METTL1	1.40E-05	0.811703175

EIF3H	METTL1	8.23E-04	0.686838977
UTP23	METTL1	5.28E-06	0.832500711
NDUFB9	METTL1	0.002731217	0.63312904
TATDN1	METTL1	2.95E-06	0.843719436
GSDMC	METTL1	0.001681212	0.656101289
FAM135B	METTL1	0.025227117	0.498640869
SLC39A4	METTL1	0.00816538	-0.573756242
AK3	METTL1	0.002826932	0.631427238
UHRF2	METTL1	4.31E-04	0.711822747
ZCCHC7	METTL1	8.72E-06	0.822084515
FBXO10	METTL1	0.029958301	0.4856176
UGCG	METTL1	0.034176614	0.475305557
SNX30	METTL1	0.014194827	-0.538999451
GSN	METTL1	0.018566378	-0.520739235
ASTN2	METTL1	9.36E-04	0.681515412
WDR31	METTL1	0.048872445	0.445732779
POLE3	METTL1	3.10E-05	0.792541978
SURF1	METTL1	0.010214469	0.560118344
SURF2	METTL1	5.89E-04	0.700095166
RPL7A	METTL1	6.94E-04	0.693677951
ASB6	METTL1	0.004690192	-0.605231941
SLC25A25	METTL1	0.029438243	-0.48696637
NOTCH1	METTL1	0.026513992	-0.494919997
NACC2	METTL1	6.25E-04	-0.697749009
USP6NL	METTL1	0.001512098	0.660883281
COMMD3	METTL1	0.014725601	0.536559371
FAM171A1	METTL1	0.003873701	0.61539563
ZEB1	METTL1	3.80E-04	0.716444808
NRBF2	METTL1	0.006356603	0.588359567
A1CF	METTL1	0.008240315	0.573210796
ADD3	METTL1	0.001393712	0.664505691
DNAJB12	METTL1	0.033886016	-0.475983018
EIF4EBP2	METTL1	0.012683389	-0.546375189
PLEKHS1	METTL1	0.014216026	0.5389006
ADM	METTL1	0.041873603	-0.458806665
GAS2	METTL1	0.010563346	0.558023091
IMMP1L	METTL1	1.61E-04	0.745624092
SAA4	METTL1	0.004423062	0.608383997
PGAP2	METTL1	0.00820602	0.573459924
DGKZ	METTL1	0.032673482	-0.478859678
EIF3M	METTL1	0.001640448	0.657215713
SSRP1	METTL1	3.86E-04	0.715889152
PTPRJ	METTL1	0.005739162	-0.594131944
SESN3	METTL1	0.001386308	0.664740713
ENDOD1	METTL1	0.044657218	0.453418976
TENM4	METTL1	0.012518651	0.547221329
RPS3	METTL1	8.75E-04	0.684306963
ZC3H12C	METTL1	0.007572223	-0.578224486
DRD2	METTL1	0.011528274	0.552506952
NPAT	METTL1	0.02714514	0.493146941
AASDHPPT	METTL1	0.007780137	0.576626719
GRIK4	METTL1	0.042974425	-0.456643922
TMC2	METTL1	0.002950273	-0.629303586
ESAM	METTL1	0.019763634	-0.516346549

KIRREL3	METTL1	0.032210957	-0.47997899
COMMD7	METTL1	0.032490954	-0.479299906
C20orf144	METTL1	0.010000007	0.56143536
DSN1	METTL1	0.00122703	0.670071756
GPHA2	METTL1	0.00200167	0.648051145
NUDT22	METTL1	0.025130142	-0.498927286
FERMT3	METTL1	0.002736835	-0.633027787
PLCB3	METTL1	0.003096855	-0.626873783
MRPL49	METTL1	0.011879028	0.550594407
FAU	METTL1	7.17E-05	0.769991823
PPP4C	METTL1	0.019454826	-0.517458794
ALDOA	METTL1	7.83E-04	-0.688846424
HIRIP3	METTL1	0.002476665	0.637909776
CNKSR2	METTL1	8.63E-05	0.764625571
CLEC1A	METTL1	0.047023476	-0.449038921
CWC15	METTL1	1.50E-04	0.747861066
ARID5B	METTL1	0.012700545	0.546287579
TMCO3	METTL1	4.67E-04	-0.708845922
LATS2	METTL1	2.05E-04	-0.737705598
SAP18	METTL1	8.59E-04	0.685073961
CTAGE5	METTL1	0.001870035	0.651217065
PDCD4	METTL1	1.64E-04	0.745089338
GPM6A	METTL1	3.00E-06	0.843412909
VEGFC	METTL1	0.027371074	-0.492520127
CCDC102B	METTL1	4.83E-05	0.780892392
CNDP1	METTL1	0.019557839	0.517086213
RGS18	METTL1	0.004483438	-0.607658096
C11orf57	METTL1	0.024453559	0.500950186
IL18	METTL1	0.012096111	-0.549433497
FOXO1	METTL1	3.96E-04	0.71490472
ITPR1	METTL1	2.02E-04	0.738325633
PRSS53	METTL1	0.044295404	0.45410436
CACNA2D4	METTL1	0.018975613	-0.51921299
NGLY1	METTL1	0.002077279	0.646310682
OXSM	METTL1	0.017993972	0.522919748
C12orf45	METTL1	0.00112701	0.673725368
ANK3	METTL1	0.008743055	0.569652518
IPMK	METTL1	0.01683013	-0.527530113
PLBD2	METTL1	7.30E-05	-0.769473026
DLG5	METTL1	0.044581697	-0.453561681
DIP2C	METTL1	1.04E-04	0.759242374
EIF4E	METTL1	0.013898464	0.540394016
TEX30	METTL1	7.10E-08	0.899099287
CSNK1G3	METTL1	8.17E-04	0.687131247
NPAS3	METTL1	0.004669609	0.605469475
FAM177A1	METTL1	0.011007994	0.555432564
MBIP	METTL1	2.96E-04	0.72531374
MIPOL1	METTL1	3.22E-04	0.722390343
TMEM18	METTL1	0.034654729	0.474200663
NDUFC2	METTL1	3.76E-04	0.716832336
NUBPL	METTL1	0.03795174	0.466888387
ATP6V1G3	METTL1	0.002846357	0.631087723
ANKRD50	METTL1	0.039788931	-0.46302576
UPF2	METTL1	0.008968486	0.568110934

CDC123	METTL1	0.001289516	0.667914626
PTPRO	METTL1	0.040382837	0.461806683
THYN1	METTL1	0.003152028	0.625983958
NCAPD3	METTL1	0.006669821	0.585605634
DRD3	METTL1	0.040297973	0.461980024
MMAA	METTL1	0.005133371	0.600315263
NR3C2	METTL1	0.004676818	0.605386176
VENTX	METTL1	0.011100372	-0.554905043
ADAM8	METTL1	0.003238203	-0.624619683
ASAP2	METTL1	0.008526407	-0.571164884
TMEM45B	METTL1	0.011043456	0.555229637
AMN1	METTL1	0.002066757	0.646549664
BICD1	METTL1	0.006471593	0.587335854
SAV1	METTL1	0.001370925	0.665232436
ZNF385D	METTL1	0.027693866	-0.491631628
GABRA2	METTL1	0.004779488	0.604211338
PABPC3	METTL1	0.03485041	0.473751883
FBXO4	METTL1	0.010541062	0.55815523
CCL28	METTL1	0.019476736	0.517379416
KCNE4	METTL1	0.006751924	0.584901332
FAM168B	METTL1	3.67E-05	0.78820657
MGAT5	METTL1	2.23E-04	0.734920579
RNF219	METTL1	0.004717923	0.604913291
ARL14EP	METTL1	1.57E-04	0.746384899
PSTPIP2	METTL1	0.008152913	-0.57384739
ATP5A1	METTL1	0.035599323	0.472052234
HAUS1	METTL1	0.001815942	0.652572382
C18orf25	METTL1	0.013745684	0.541122317
PDK1	METTL1	0.040390325	0.4617914
SPON1	METTL1	0.011409286	0.553166463
PDE3B	METTL1	0.030639844	0.483877553
TGOLN2	METTL1	0.011003734	-0.555456973
KCNK13	METTL1	0.045409371	-0.452007745
SPOCK1	METTL1	0.01508575	-0.534943681
TADA1	METTL1	0.036912539	0.46913796
JMY	METTL1	0.001059994	0.676329347
ZNF547	METTL1	0.001198036	0.671104249
ZNF773	METTL1	9.23E-05	0.762671509
ZNF776	METTL1	6.10E-06	0.829569971
ZNF256	METTL1	2.05E-05	0.802663756
USP12	METTL1	8.44E-04	0.685789323
CCDC50	METTL1	0.001780976	0.653466574
CAMK4	METTL1	0.001619561	0.657795769
PFKM	METTL1	3.60E-04	0.718382168
TMEM123	METTL1	0.011555495	0.552356851
MBNL1	METTL1	2.20E-04	0.735374219
CAPSL	METTL1	0.002385261	0.639726759
DDX4	METTL1	0.006536778	0.586762148
PELO	METTL1	0.001374459	0.665119065
RASGRP3	METTL1	0.002012335	0.647802343
WDR78	METTL1	7.00E-04	0.693299942
PANK1	METTL1	0.008003825	0.574946239
HNRNPDL	METTL1	5.53E-06	0.831550525
PTPRK	METTL1	4.66E-04	0.708947642

RAD17	METTL1	0.0048596	0.603309005
STK32B	METTL1	0.040082035	-0.462422374
CWC27	METTL1	2.61E-04	0.729668816
SRP19	METTL1	0.002976114	0.628868047
CENPH	METTL1	0.030462719	0.48432683
BANK1	METTL1	0.00348712	0.620841601
DAB2	METTL1	0.00306987	-0.627313818
SCOC	METTL1	0.003346795	0.622942821
CETN3	METTL1	0.021480121	0.51040482
SMARCA5	METTL1	0.002376829	0.639897285
RGPD3	METTL1	5.01E-04	0.706261911
RANBP2	METTL1	0.03801532	0.466752315
AHCTF1	METTL1	0.014402037	0.538038267
PTPRR	METTL1	0.040568162	-0.461429119
NR4A2	METTL1	0.004573029	0.606595672
CCDC148	METTL1	0.026087833	-0.496136095
SCN3A	METTL1	0.002607639	0.635401327
CD96	METTL1	0.019026286	0.51902584
TRAPPC8	METTL1	0.009878713	0.562190419
INO80C	METTL1	0.010384999	0.559087054
LPCAT1	METTL1	0.026965449	-0.4936484
UBALD1	METTL1	0.015664893	-0.532409381
TMEM251	METTL1	0.00684047	0.584149588
ING1	METTL1	0.004087523	-0.612574341
TEX29	METTL1	0.027696198	0.491625239
CMTM7	METTL1	0.001473223	-0.662045658
RPIA	METTL1	0.005035537	0.601369629
TUBGCP5	METTL1	0.013989545	0.539962895
CFDP1	METTL1	1.91E-04	0.740148896
ZDHHC7	METTL1	0.00175355	-0.654178298
CMIP	METTL1	3.46E-05	-0.789695722
CEBPG	METTL1	0.013036774	0.544589622
KCTD15	METTL1	0.012122933	-0.549291229
CLCA3P	METTL1	0.006441708	0.587600468
HS2ST1	METTL1	2.82E-05	0.7948754
MSI2	METTL1	0.02665548	0.494519651
GDPD1	METTL1	0.008984069	0.568005547
AK5	METTL1	0.017324822	0.525540244
CABYR	METTL1	0.041983913	0.458587977
IMPACT	METTL1	0.03083047	0.483396304
C16orf74	METTL1	0.003121284	0.626478175
NRGN	METTL1	0.01082344	-0.556497283
GPR15	METTL1	0.027457037	0.492282707
CC2D1B	METTL1	0.021821893	0.509267145
CERS3	METTL1	0.023309685	0.504473521
PRKCA	METTL1	0.036756061	0.469480939
LRRK1	METTL1	0.012823562	-0.545662183
CEP112	METTL1	2.81E-04	0.727148172
ABCA10	METTL1	0.006139418	0.590335279
MIA3	METTL1	0.002826957	0.631426792
DISP1	METTL1	0.023899706	0.502639522
TDH	METTL1	0.007079191	0.582161877
WNT3A	METTL1	0.007244951	0.580813737
BUB3	METTL1	0.001907887	0.650288071

FAM69A	METTL1	2.10E-05	0.802135638
ATP5G3	METTL1	0.00277157	0.63240561
CEP170P1	METTL1	0.016416579	0.529229872
BTG3	METTL1	0.004772173	0.604294343
TMPRSS15	METTL1	0.013759404	0.541056647
NCAM2	METTL1	0.039237525	0.464170285
MRPL39	METTL1	4.80E-05	0.781108266
JAM2	METTL1	0.03882582	0.465032995
ATP5J	METTL1	0.001907541	0.650296492
CCDC174	METTL1	7.38E-04	0.691230995
OXNAD1	METTL1	0.008148586	0.573879044
PLCL2	METTL1	3.56E-04	0.718795996
ZNF18	METTL1	0.018757107	0.520024606
FBXL18	METTL1	0.030015293	-0.485470911
AZIN1	METTL1	0.009341256	0.565629686
GTF3C6	METTL1	0.030795881	0.483483452
AGPAT5	METTL1	0.001531659	0.660307836
MARVELD1	METTL1	0.0096132	-0.563869925
ZFYVE27	METTL1	0.00524336	0.599149481
GOLGA7B	METTL1	0.00508692	0.600813783
HSPA13	METTL1	1.24E-04	0.753859105
ZCCHC10	METTL1	0.001076994	0.675655942
DBI	METTL1	0.027658218	0.491729349
SLC16A1	METTL1	4.31E-04	0.711833599
NIFK	METTL1	2.67E-05	0.796271373
SLC7A7	METTL1	0.006598052	-0.586227131
CNOT8	METTL1	7.20E-04	0.692176858
MIER3	METTL1	8.26E-05	0.765919678
NUP205	METTL1	0.04329732	0.456017661
ZKSCAN2	METTL1	7.59E-04	0.690087127
C9orf85	METTL1	0.033350896	0.477242476
RBM45	METTL1	0.042982797	0.45662764
ALS2CR12	METTL1	0.008441258	0.571767873
ELMO1	METTL1	0.019421533	0.517579545
LSM11	METTL1	0.018171829	0.522236359
RASA2	METTL1	0.003063904	0.627411524
RAB39B	METTL1	1.72E-05	0.806912811
MICU3	METTL1	0.024899019	0.499613451
PSD3	METTL1	0.012032526	0.549771777
GPR61	METTL1	0.011945275	0.550238327
ADK	METTL1	3.93E-04	0.715189616
DCK	METTL1	0.00125187	0.669203395
NDUFAF6	METTL1	0.009738849	0.563070495
C8orf37	METTL1	0.029944614	0.48565286
ADAMTSL3	METTL1	0.015624794	0.532582406
WHAMM	METTL1	0.001426875	0.663465657
N6AMT1	METTL1	0.019845046	0.516055632
USP16	METTL1	0.018935105	0.519362889
CCT8	METTL1	0.003984909	0.613912633
ANKRD9	METTL1	8.69E-04	-0.684618686
C14orf2	METTL1	0.014849387	0.5360005
UQCRB	METTL1	9.61E-04	0.680423268
RPL30	METTL1	3.12E-04	0.723484515
ZFAND3	METTL1	1.01E-04	-0.760001575

NPTN	METTL1	0.001027293	-0.677650751
KAT6B	METTL1	0.001544885	0.659922225
SAMD8	METTL1	0.027504365	0.492152244
RAB11FIP1	METTL1	0.045131365	-0.452527244
BAG4	METTL1	0.003483424	-0.620896049
MS4A1	METTL1	0.018276709	0.521835877
EIF4A2	METTL1	1.67E-07	0.888553217
BRPF1	METTL1	0.005086295	-0.600820515
TATDN2	METTL1	0.00173194	0.654745696
NTAN1	METTL1	0.026314618	0.495487003
FCHO2	METTL1	0.030310892	-0.48471357
C1orf27	METTL1	0.00733804	0.580067668
NECAP2	METTL1	0.011938638	0.550273929
STEAP2	METTL1	0.013511481	0.542251526
MMP14	METTL1	0.021377481	-0.510749289
FZD1	METTL1	0.004954243	-0.602258676
SUSD3	METTL1	0.009866493	0.562266906
DDX19B	METTL1	0.001267196	0.668674824
ST3GAL2	METTL1	0.013442525	-0.542587006
ZNF19	METTL1	0.028464465	0.489543018
CACNA2D3	METTL1	0.02656765	-0.494767972
FAM81A	METTL1	0.00956109	0.56420397
MYO1E	METTL1	0.006839034	0.584161717
ERG	METTL1	0.047785107	-0.447665176
TMEM164	METTL1	0.019031359	-0.519007123
SLC38A10	METTL1	0.003973804	-0.614059173
SNX22	METTL1	0.006967732	0.583082989
WDR19	METTL1	0.033739325	0.476326715
SLC37A3	METTL1	0.007996945	0.574997348
WDR66	METTL1	0.049950267	0.443849543
MRPL17	METTL1	0.033027189	0.478012033
UBXN11	METTL1	0.004367237	-0.609062504
NCK1	METTL1	2.99E-04	0.724934151
AAED1	METTL1	0.002122201	-0.645301537
XKR8	METTL1	0.007029296	-0.582572736
GPR153	METTL1	0.047070405	-0.448953784
GPRASP2	METTL1	0.004141859	0.611876914
SHROOM4	METTL1	0.021464379	-0.510457566
MITD1	METTL1	0.005537601	0.59612698
TMSB15B	METTL1	4.16E-04	0.713148023
CD1D	METTL1	0.00540851	-0.597436333
SNX29P1	METTL1	0.026428033	0.495164043
HMHB1	METTL1	1.97E-04	0.739023868
NCF1	METTL1	0.031157658	-0.482575698
CPA5	METTL1	0.032862681	0.478405381
TSR2	METTL1	9.05E-06	0.821274796
ZFAND2B	METTL1	0.00687079	0.583894004
PKD1L1	METTL1	0.016168521	0.530265967
ELK4	METTL1	0.049703193	0.444278476
RNF166	METTL1	0.003179837	-0.625540342
NBL1	METTL1	1.31E-04	0.752184246
F11R	METTL1	0.027186739	-0.493031222
EDA	METTL1	2.24E-04	0.734754962
VWA5B1	METTL1	8.41E-05	0.76539519

CDA	METTL1	0.035516611	-0.472238573
PINK1	METTL1	0.002425499	-0.638919839
APOA2	METTL1	0.010311204	-0.559531633
WFDC8	METTL1	5.50E-06	0.8316513
WNT9B	METTL1	0.033640187	0.476559659
CACHD1	METTL1	0.035894106	0.471390863
CDC42SE2	METTL1	0.001026852	0.677668821
RAPGEF6	METTL1	1.80E-05	0.805814437
MIS18A	METTL1	0.03685244	0.469269555
FBXW5	METTL1	0.003589583	-0.619351231
SV2A	METTL1	0.023165181	0.504928286
TNNI1	METTL1	0.002390662	0.639617796
ATP5G1	METTL1	0.001049548	0.676747671
RCAN1	METTL1	0.042331895	-0.457901005
SNF8	METTL1	0.009304865	0.565868325
MORC3	METTL1	0.011341796	0.553543014
ARHGAP27	METTL1	0.001275005	-0.668407599
PLA2G4D	METTL1	0.004779488	0.604211342
ATP13A2	METTL1	0.014823838	-0.536115537
M1AP	METTL1	0.010696273	-0.557239531
PSMB4	METTL1	4.01E-04	0.714461522
C1R	METTL1	0.033537717	0.476800994
ALDH4A1	METTL1	0.039400448	-0.463830824
THEM4	METTL1	2.77E-04	0.72765789
NAE1	METTL1	7.08E-05	0.770347353
CTBP1	METTL1	0.026015097	-0.496345222
ZDHHC1	METTL1	0.009650166	-0.563633852
ATP6V0D1	METTL1	0.039320139	-0.463998017
ZYX	METTL1	1.58E-04	-0.746150088
ABR	METTL1	9.17E-04	-0.682369502
ZNF222	METTL1	0.00102899	0.677581326
NPR2	METTL1	0.035221246	0.472906757
ZNF233	METTL1	0.045156104	0.452480915
ZNF235	METTL1	0.017193026	0.526065897
GNE	METTL1	5.44E-05	0.77766432
PTGIR	METTL1	0.049523944	-0.444590683
TMEM234	METTL1	0.014458821	0.537776805
UBE2J2	METTL1	0.022829622	-0.505993062
ZNF362	METTL1	0.037709342	-0.467408791
FNDC5	METTL1	2.80E-05	0.795090246
NR2F6	METTL1	0.009748414	-0.56300998
CCDC58	METTL1	1.85E-04	0.741095404
KALRN	METTL1	0.005353565	0.598001449
FAM86C2P	METTL1	0.003573755	0.619579134
PDE9A	METTL1	2.13E-04	0.736483353
WDR4	METTL1	0.010208375	0.560155457
G6PD	METTL1	5.68E-04	-0.701442128
AGPAT3	METTL1	0.001156229	-0.67263068
GAB3	METTL1	0.009838124	-0.562444771
C21orf33	METTL1	0.005783303	0.593702758
ICOSLG	METTL1	0.00125886	0.668961652
ITGB2	METTL1	0.001395099	-0.664461762
CLDND2	METTL1	0.013606915	-0.541789501
ZNF761	METTL1	0.003088001	0.627017801

TOR2A	METTL1	1.81E-05	-0.805640126
SHKBP1	METTL1	0.003065218	-0.627389988
ZDHHC12	METTL1	0.020330459	-0.514340533
MED27	METTL1	0.020212236	0.514755219
DEDD2	METTL1	0.027835639	-0.491243967
CHTOP	METTL1	5.36E-06	0.832198483
CXCR5	METTL1	7.89E-05	0.767238749
ZBTB7B	METTL1	0.002828946	-0.631391935
SHC1	METTL1	0.04524648	-0.452311834
NLRX1	METTL1	0.006341001	-0.588499636
ANO10	METTL1	0.039677211	-0.463256654
FDPS	METTL1	0.010322386	0.559464104
RUSC1	METTL1	0.017724256	-0.523966465
FAM189B	METTL1	0.012705164	-0.546264012
NBEAL2	METTL1	0.005333103	-0.598213132
CCDC12	METTL1	0.00560122	0.595490917
GPATCH4	METTL1	1.12E-06	0.860666206
LRRC71	METTL1	0.019009856	-0.519086477
NACC1	METTL1	0.022779715	-0.506152482
HK3	METTL1	0.006046986	-0.59119358
LY6K	METTL1	0.011354631	0.55347126
ZNF394	METTL1	0.049380885	0.444840479
PTGER1	METTL1	0.018175946	-0.522220606
PPP1R16A	METTL1	0.020067835	-0.515264355
MGAT4B	METTL1	0.002127699	-0.645179267
RPL8	METTL1	0.001599417	0.658361138
PSMC2	METTL1	0.027188345	0.493026759
MFSD12	METTL1	0.018131985	-0.522388988
DVL3	METTL1	0.001061771	-0.676258555
AP2M1	METTL1	0.040880675	-0.460795445
U2AF1L4	METTL1	2.04E-04	0.737926819
COX7A1	METTL1	0.026745596	-0.494265536
SAP30BP	METTL1	0.024476896	0.500879768
SRSF2	METTL1	4.42E-05	0.783264417
ITGA5	METTL1	0.007378317	-0.579747267
ZNF385A	METTL1	3.55E-04	-0.718872462
SIGLEC16	METTL1	0.012211122	-0.548825259
MPP3	METTL1	0.001033877	-0.677381869
CD300LG	METTL1	0.034476379	0.474611422
EMC10	METTL1	0.003144785	-0.626100032
JOSD2	METTL1	7.80E-05	-0.767568444
FAM171A2	METTL1	0.046497023	-0.449998498
ASGR2	METTL1	0.028063822	-0.490623279
RPL26	METTL1	4.58E-04	0.709583169
POLR3K	METTL1	0.005313013	0.598421612
SNRNP25	METTL1	0.02392632	0.502557645
HS3ST6	METTL1	1.97E-04	0.739023868
PAQR4	METTL1	0.001347966	-0.665974989
ZNF75A	METTL1	0.004530841	0.607093802
ADCY9	METTL1	0.033008024	-0.478057779
CLPB	METTL1	0.043701336	-0.45523912
CYB561A3	METTL1	2.04E-04	0.737991618
UBXN1	METTL1	2.62E-04	0.729558714
RPL29	METTL1	0.012062568	0.549611772

DCP1A	METTL1	0.006396647	0.588001361
ZFPL1	METTL1	0.017010734	0.526798282
RPS6KA4	METTL1	0.001153984	-0.672713953
TPCN2	METTL1	0.026078062	-0.496164163
TAL1	METTL1	0.032046964	-0.480378872
BEND5	METTL1	0.001473206	0.66204616
C1orf123	METTL1	0.043780498	0.455087223
MAGOH	METTL1	7.44E-04	0.69091299
ACOT11	METTL1	0.031944737	-0.480628955
JAK1	METTL1	0.035412114	0.472474473
RBP7	METTL1	0.044030974	-0.454608003
MATN1	METTL1	0.002749575	0.632798833
SDC3	METTL1	0.022981231	-0.50551046
PEF1	METTL1	0.04963758	0.444392658
KIAA1522	METTL1	0.002075641	-0.64634782
NFIA	METTL1	0.011584529	-0.552197071
OMA1	METTL1	0.013815176	0.540790246
USP1	METTL1	0.002381554	0.639801657
LRRIQ3	METTL1	0.018448675	0.521183181
TYW3	METTL1	1.56E-06	0.855145871
FAM102B	METTL1	0.009881666	-0.562171947
PEX19	METTL1	1.97E-04	0.73908122
NCSTN	METTL1	0.035032108	-0.473336927
OLFML2B	METTL1	0.009251077	-0.566222444
C1orf74	METTL1	0.01077653	0.556770264
AXDND1	METTL1	0.021141618	0.511545876
TFB2M	METTL1	2.10E-05	0.802106871
CNST	METTL1	0.001454533	0.662613709
PM20D1	METTL1	0.001766181	0.65384938
HAAO	METTL1	0.018812013	-0.519819955
IL24	METTL1	0.003056803	0.627528038
MEMO1	METTL1	0.01340359	-0.54277704
PQLC3	METTL1	0.002933228	-0.629592613
FRZB	METTL1	0.001375003	0.665101616
NUP35	METTL1	1.77E-05	0.806233648
CCDC138	METTL1	0.040954659	0.46064598
SMC6	METTL1	2.68E-04	0.728729779
H3F3A	METTL1	2.10E-04	-0.736997752
SGPP2	METTL1	0.048059088	0.447175109
SMARCD1	METTL1	0.008219078	0.573364967
CTSS	METTL1	0.015384212	-0.533628054
ERCC3	METTL1	0.002475497	0.637932639
IWS1	METTL1	0.022938508	0.505646202
BOLA3	METTL1	2.37E-05	0.799223078
CDC42EP3	METTL1	0.034734756	-0.474016889
BMP10	METTL1	0.003964933	0.614176475
FZD5	METTL1	3.91E-04	-0.715422268
DCAF16	METTL1	0.007569194	0.578248022
GNPDA2	METTL1	9.61E-04	0.680455289
HELQ	METTL1	0.00104417	0.676964417
MRPS18C	METTL1	0.007493499	0.578838831
CGGBP1	METTL1	0.039373607	0.463886674
PBXIP1	METTL1	0.010393377	0.55903674
LENEP	METTL1	1.17E-04	0.755516642

KBTBD8	METTL1	0.001153076	0.672747662
LMOD3	METTL1	0.015694815	0.532280499
SLC22A15	METTL1	0.024989573	-0.499344017
ATP1A1	METTL1	0.0100446	0.561159638
FSTL1	METTL1	0.012400039	-0.547836144
IGFBP7	METTL1	0.018802821	-0.519854185
KRTCAP2	METTL1	0.001611006	0.658035153
CCT3	METTL1	0.001724424	0.654944435
SSR2	METTL1	0.023917175	0.502585771
SRGAP2	METTL1	0.023892471	-0.502661795
CCDC141	METTL1	3.41E-04	0.720330523
TGFBP2	METTL1	0.014192446	0.539010561
TRAT1	METTL1	0.002081901	0.646205996
STT3B	METTL1	0.04771362	0.447793399
DPPA2	METTL1	0.0235977	0.503573729
FCRL1	METTL1	0.007049726	0.582404215
SERPINI1	METTL1	0.001833305	0.652133711
SUCLG1	METTL1	0.02562296	0.49748068
RPL22L1	METTL1	1.69E-04	0.743963876
PPM1L	METTL1	0.007784553	-0.576593165
CTLA4	METTL1	6.58E-06	0.828010943
ICOS	METTL1	1.66E-04	0.744625562
PPP4R2	METTL1	0.003866744	0.615489565
GTPBP8	METTL1	0.006096452	0.590732918
CADPS	METTL1	0.024792112	0.499932546
WDFY3	METTL1	0.023949039	-0.502487809
ALB	METTL1	0.008992082	0.567951407
C4orf36	METTL1	0.046469054	0.450049711
THOC7	METTL1	0.031358309	0.482075789
GMPS	METTL1	0.029100965	0.487851133
RPL9	METTL1	9.49E-04	0.680978175
C3orf67	METTL1	0.01051994	0.558280688
RBM47	METTL1	2.24E-04	-0.73475487
APBB2	METTL1	0.007557312	0.578340444
IL17RC	METTL1	0.001169237	-0.672150836
CRELD1	METTL1	0.003800984	0.616384515
U2SURP	METTL1	0.001906421	0.650323766
MTMR14	METTL1	0.048487737	-0.446412671
PF4	METTL1	0.011094748	-0.554937057
MTHFD2L	METTL1	1.00E-04	0.760214894
RCHY1	METTL1	0.036994687	0.468958354
GYG1	METTL1	0.032859202	-0.478413717
RYK	METTL1	0.004843478	0.603489603
SNRK	METTL1	0.001984231	0.648460354
PLB1	METTL1	0.023392057	-0.504215285
WDR43	METTL1	6.77E-06	0.827410257
ZDHHC3	METTL1	0.040343045	-0.461887925
LZTFL1	METTL1	0.017608432	0.524419871
LRRC2	METTL1	0.002550268	0.636486861
ELP6	METTL1	0.049009882	0.445490882
ZNF148	METTL1	3.15E-04	0.723176081
SMIM12	METTL1	0.021871484	0.509103247
GRIK3	METTL1	0.001195925	0.671180239
MEAF6	METTL1	0.046394146	0.450186988

SENP2	METTL1	0.018408454	0.521335404
RFC4	METTL1	1.65E-04	0.744794272
TKT	METTL1	7.17E-04	-0.692345019
PRKCD	METTL1	0.009398992	-0.565252625
SFMBT1	METTL1	0.008280919	0.572916935
GNL3	METTL1	3.46E-06	0.840743051
UVSSA	METTL1	0.02243274	-0.507268562
ARHGEF3	METTL1	0.03794846	0.466895411
ZDHHC19	METTL1	0.019119972	0.518680869
EXO5	METTL1	4.03E-04	0.714349182
C1orf50	METTL1	0.042808823	0.456966521
AIMP1	METTL1	8.10E-06	0.823664141
SGMS2	METTL1	0.049496766	-0.444638097
METAP1	METTL1	0.009357454	0.565523708
H2AFZ	METTL1	0.017884711	0.523342247
BDH2	METTL1	1.65E-05	0.8078792
PGRMC2	METTL1	2.17E-04	0.735872884
ZNF589	METTL1	0.012960838	0.54496998
APEH	METTL1	0.047978227	0.44731952
INTU	METTL1	0.038607678	-0.465492982
DUSP7	METTL1	0.001977332	-0.648623082
WDR82	METTL1	0.001142736	0.673133257
C4orf3	METTL1	0.003499851	0.620654463
NDST3	METTL1	0.048369094	0.446623183
MAD2L1	METTL1	0.001736195	0.654633501
TMEM155	METTL1	0.036383469	0.470302207
MAP9	METTL1	8.65E-05	0.764575484
FAM198B	METTL1	0.023467469	-0.503979501
NAA15	METTL1	1.49E-04	0.748147947
ANAPC10	METTL1	0.035928993	0.47131287
ABCE1	METTL1	7.27E-07	0.8676053
OTUD4	METTL1	0.009375002	0.565409067
ITGA2	METTL1	0.039053181	0.464555698
MOCS2	METTL1	7.24E-06	0.826016456
ELOVL7	METTL1	0.023633122	-0.503463667
NDUFAF2	METTL1	0.004310264	0.609762406
ZNF474	METTL1	0.002724444	0.633251341
SLC25A46	METTL1	0.043079044	0.456440616
WDR41	METTL1	0.025753386	-0.497101509
NDUFS4	METTL1	0.026274742	0.495600811
GRPEL2	METTL1	0.013278365	0.543391274
CDC20B	METTL1	0.006138686	0.590342032
RHOBTB3	METTL1	0.040302322	-0.461971135
TIGD6	METTL1	0.026519756	0.494903655
PAPD4	METTL1	0.030995885	0.482980584
EBF1	METTL1	0.005239543	0.599189603
ANKRA2	METTL1	0.001959858	0.649037356
UBLCP1	METTL1	0.033982828	0.475756821
UTP15	METTL1	0.004544218	0.606935437
NSA2	METTL1	6.37E-05	0.773299566
FOXQ1	METTL1	0.008328452	-0.572574413
ACSL6	METTL1	0.04024483	0.462088716
UQCRQ	METTL1	0.026566655	0.494770789
SLC35A1	METTL1	0.046087191	-0.450751304

CREBRF	METTL1	0.018392032	0.521397631
DCBLD1	METTL1	0.035662914	-0.471909203
SFXN1	METTL1	0.021041544	0.511885998
TMEM200A	METTL1	0.009393628	0.565287574
PDSS2	METTL1	0.046037383	0.450843146
IL31RA	METTL1	0.009108297	-0.56717065
PI16	METTL1	0.020038158	0.515369355
KIAA0895	METTL1	0.027062576	0.493377025
STK17A	METTL1	0.003686079	0.617979562
TRA2A	METTL1	1.49E-05	0.81015558
SAP30L	METTL1	0.020817567	-0.512651911
RPS14	METTL1	0.004132476	0.611996799
SLU7	METTL1	0.001543536	0.65996147
RP9	METTL1	0.020579099	0.513474615
CAMLG	METTL1	6.71E-04	0.694979748
SLC29A4	METTL1	0.006851373	-0.584057571
STEAP1	METTL1	0.045693208	0.451479866
CDC47L	METTL1	1.37E-04	0.750618098
MIOS	METTL1	6.14E-05	0.774361296
HEY1	METTL1	0.003210493	0.625055034
FABP5	METTL1	0.020889199	0.512406247
TAGAP	METTL1	4.51E-05	0.782748351
BRI3	METTL1	1.76E-04	-0.74266545
SLC35G3	METTL1	0.031079025	0.482772295
CTSB	METTL1	0.012179089	-0.5489942
PEX2	METTL1	0.018198058	0.522136033
RAD21	METTL1	1.31E-04	0.752001333
MED30	METTL1	0.039705281	0.463198595
ORC5	METTL1	1.45E-04	0.748815415
DEFB1	METTL1	0.003930731	0.614630778
MICALL2	METTL1	4.42E-04	-0.710923108
SLC4A2	METTL1	0.030318504	-0.484694144
PHAX	METTL1	0.001804551	0.652862107
ALDH7A1	METTL1	4.27E-04	0.712166925
COX6C	METTL1	1.44E-04	0.749176103
SLC25A32	METTL1	0.003481089	0.620930452
DCAF13	METTL1	0.002206719	0.643450353
GEM	METTL1	9.92E-04	0.679128438
TMEM67	METTL1	0.009854401	0.562342672
NUDT2	METTL1	0.004552822	0.606833789
PSIP1	METTL1	4.19E-04	0.712872609
UBAP1	METTL1	0.019496447	0.517308069
DIRAS2	METTL1	0.007377632	0.579752705
SYK	METTL1	0.029067734	-0.487938742
LETM2	METTL1	0.021743514	0.509526792
PRKACG	METTL1	0.021635097	0.509887174
C8orf34	METTL1	0.033469381	0.476962256
KDM1B	METTL1	0.013795219	-0.540885473
HGSNAT	METTL1	0.010357183	-0.559254332
GKAP1	METTL1	0.004602981	0.606244331
HNRNPK	METTL1	1.82E-04	0.741659121
ANKS6	METTL1	0.035796743	0.471608836
FBP1	METTL1	0.012917932	-0.545185694
CYBB	METTL1	0.019848312	-0.51604398

DYNLT3	METTL1	9.41E-05	0.762084111
NCF1C	METTL1	0.011407607	-0.553175806
PIGA	METTL1	0.017935752	0.523144622
STRBP	METTL1	1.43E-04	0.749281395
NDUFB6	METTL1	0.00804706	0.57462587
NOL6	METTL1	0.003444624	0.621470411
AQP3	METTL1	0.00941108	0.565173916
STOML2	METTL1	0.032899427	0.478317387
ARHGAP12	METTL1	0.038019564	0.466743239
HECTD2	METTL1	0.007152031	0.581566318
SLC7A3	METTL1	0.049810255	0.444092411
CLDN2	METTL1	0.022193507	0.508046084
WRN	METTL1	0.033077242	0.477892656
CFL2	METTL1	0.012916194	0.545194444
ZCCHC24	METTL1	0.001791354	-0.653199644
PGM2L1	METTL1	8.75E-04	0.684317281
INPPL1	METTL1	1.48E-04	-0.748317962
GJB2	METTL1	3.93E-04	0.715182787
REEP3	METTL1	0.005118447	-0.600475025
MICU2	METTL1	0.001089362	0.675171618
PCF11	METTL1	0.001557348	0.659561431
RPL36AL	METTL1	0.005898202	0.592598064
C10orf10	METTL1	0.02566171	-0.497367868
C10orf25	METTL1	0.008009054	-0.574907415
ZNF22	METTL1	2.04E-05	0.802818215
KLHDC2	METTL1	0.020946993	0.512208529
NEMF	METTL1	0.021923962	0.50893013
RPUSD4	METTL1	0.010523653	0.558258617
FAAH2	METTL1	3.10E-05	0.792533058
NUDT5	METTL1	0.01816131	0.522276629
PRPF18	METTL1	9.55E-04	0.680712626
TAF3	METTL1	0.028908378	0.488359955
ZNF503	METTL1	0.045770148	-0.451337209
QSOX2	METTL1	0.015968437	0.531111101
CLEC1B	METTL1	0.005880327	-0.59276876
HPRT1	METTL1	0.00277519	0.632341138
DDX21	METTL1	0.003303187	0.623610697
BMS1	METTL1	0.009740878	0.56305765
STK32C	METTL1	0.025610011	-0.497518408
FUNDC2	METTL1	0.00357285	0.619592187
TMEM55B	METTL1	0.006628277	0.585964717
METTL17	METTL1	0.003331347	0.623178586
ARHGEF40	METTL1	3.10E-04	-0.723703238
PPP1R36	METTL1	0.002528328	0.636907393
TRUB1	METTL1	0.003394353	0.62222264
UBTD1	METTL1	4.36E-05	-0.783675882
ISCA2	METTL1	0.014098457	0.539450335
TTC7B	METTL1	0.037966676	-0.466856405
AGBL2	METTL1	0.006110465	0.590602983
MOAP1	METTL1	0.004806019	0.603911133
CLMN	METTL1	0.037432576	-0.468006163
PDZRN4	METTL1	0.014503336	0.537572414
PTER	METTL1	0.039856154	0.46288707
ARL5B	METTL1	0.009416541	0.565138383

TAF1D	METTL1	1.74E-07	0.888012394
ABTB2	METTL1	0.021165947	-0.511463386
R3HCC1L	METTL1	0.015653802	0.532457201
HTRA1	METTL1	0.039622896	-0.46336909
CMTM5	METTL1	0.032481003	-0.479323961
SVOP	METTL1	0.024511103	0.500776512
NDUFB8	METTL1	1.36E-05	0.8122883
SPINT1	METTL1	0.02370033	-0.503255203
DEPDC4	METTL1	0.00475616	0.604476429
BRD7	METTL1	0.020511987	0.513707518
BAG5	METTL1	0.014897909	0.535782449
API5	METTL1	0.037188485	0.468535865
ZNF319	METTL1	0.012257108	-0.548583353
NOLC1	METTL1	2.25E-04	0.734636606
COPS2	METTL1	0.001440105	0.663056404
FRS2	METTL1	0.003389413	0.622297053
CCT2	METTL1	6.25E-05	0.773841571
PCBD1	METTL1	0.022705162	-0.506391148
ARIH1	METTL1	0.02370246	0.503248604
COX11	METTL1	1.91E-04	0.740093901
ZNF202	METTL1	0.001383803	0.664820479
FAM227B	METTL1	0.029178461	0.487647134
CYYR1	METTL1	0.037729842	-0.467364678
WBP1L	METTL1	0.020599941	-0.51340241
ANAPC16	METTL1	7.90E-06	0.82419613
SYNPO2L	METTL1	7.25E-04	0.691911184
TAF10	METTL1	0.029347056	-0.487204787
TPP1	METTL1	0.035972936	-0.471214716
CYB5A	METTL1	0.002071183	0.646449023
KIAA0355	METTL1	0.018260773	0.521896612
RIC3	METTL1	0.018682748	0.520302522
ZMAT1	METTL1	0.021749912	0.509505572
RNF169	METTL1	0.007216342	-0.581044603
RPL27A	METTL1	2.54E-04	0.73054679
TMEM130	METTL1	0.036117533	0.470892394
MAPK7	METTL1	0.006826301	-0.584269339
MCM7	METTL1	0.001163216	0.672372379
CCDC68	METTL1	4.59E-04	0.709477511
ZNF3	METTL1	0.032095856	0.480259487
RIMKLB	METTL1	0.022047027	0.508525439
TK2	METTL1	0.014972158	-0.535449895
TMEM135	METTL1	0.01207836	0.549527789
FAM96B	METTL1	0.004051936	0.613035291
CHRFAM7A	METTL1	0.030598738	-0.483981638
ATF7IP2	METTL1	6.51E-05	0.772713291
ZCCHC18	METTL1	0.032171263	0.480075633
ZNF667-AS1	METTL1	0.018875931	0.519582316
YPEL4	METTL1	0.048765381	0.445921579
PPIB	METTL1	0.043636977	0.455362767
TMEM170A	METTL1	0.013335705	0.543109445
TERF2IP	METTL1	6.75E-04	0.694771916
GPR182	METTL1	0.031065611	-0.482805871
MTMR10	METTL1	0.031178737	0.482523064
MIR202HG	METTL1	0.006921124	0.583471754

C15orf48	METTL1	3.69E-04	0.717472719
TSC22D4	METTL1	0.007731537	-0.576997044
MS4A14	METTL1	0.028944255	-0.488264966
CCNDBP1	METTL1	0.046025229	0.450865567
MBD6	METTL1	0.005079171	-0.60089731
NUDT21	METTL1	0.046790953	0.449461723
NKX3-1	METTL1	0.034954708	0.473513484
DUSP18	METTL1	0.030093137	-0.485270904
PHB	METTL1	0.01500887	0.535285952
SNRPD1	METTL1	3.10E-05	0.792505664
URM1	METTL1	0.041298761	-0.459953538
ENDOG	METTL1	0.005374018	-0.597790532
C15orf39	METTL1	0.008585002	-0.570752783
ISLR2	METTL1	0.003732743	0.617326894
COQ7	METTL1	0.035553846	0.472154645
GPRC5B	METTL1	0.03935913	0.463916809
CRK	METTL1	0.041032786	-0.460488371
C16orf92	METTL1	0.026293732	0.495546597
NOD2	METTL1	0.035709038	-0.471805583
POP5	METTL1	5.78E-04	0.700795937
ATP5L	METTL1	0.009346777	0.565593549
CD3D	METTL1	0.002644053	0.634722601
STIM1	METTL1	0.032828035	0.478488419
ZNF180	METTL1	6.15E-05	0.774316106
ZNF668	METTL1	1.20E-04	-0.754875699
VKORC1	METTL1	0.033907282	0.475933289
SMG8	METTL1	7.95E-04	0.688220542
MIDN	METTL1	0.005042167	-0.601297652
FAM129C	METTL1	0.01764539	0.524274934
TRAPPC2L	METTL1	6.85E-04	0.694153353
TP53I13	METTL1	0.04065143	-0.46125991
CORO6	METTL1	0.039130894	-0.464393049
ZNF610	METTL1	0.003971795	0.614085724
ZNF701	METTL1	0.048336742	0.446680654
SERTAD3	METTL1	0.00276115	-0.632591563
NCKAP5L	METTL1	0.004156454	-0.611690868
CYP2S1	METTL1	0.026574066	-0.49474981
TMC4	METTL1	0.037260364	-0.4683796
ZNF146	METTL1	0.037566662	0.467716324
PPP1R14A	METTL1	0.006396865	0.587999412
YIF1B	METTL1	0.001428492	-0.663415479
GLOD4	METTL1	0.004370643	0.609020897
SLC43A2	METTL1	4.45E-04	-0.710634378
RILP	METTL1	3.56E-04	-0.718771542
TSR1	METTL1	6.15E-05	0.77428249
C19orf48	METTL1	0.002895642	0.630234909
KLK2	METTL1	3.02E-04	0.724649926
KLK11	METTL1	0.046853568	0.449347711
ZNF558	METTL1	0.003558656	0.619797316
PRDX2	METTL1	6.98E-05	0.770722202
ZNF232	METTL1	0.004999463	0.601762679
MIS12	METTL1	3.39E-05	0.790224165
CD300C	METTL1	0.002585105	-0.635825298
CD300A	METTL1	0.040637848	-0.461287492

TEKT1	METTL1	0.001960895	0.649012701
ATP5H	METTL1	0.008241884	0.573199421
EVPL	METTL1	0.041910367	0.458733732
GHDC	METTL1	0.002848949	-0.631042574
ZNF598	METTL1	0.007543198	-0.578450379
DNASE1L2	METTL1	0.03130688	-0.482203681
ECI1	METTL1	0.021182199	-0.511408321
ZNF597	METTL1	0.015168926	0.53457495
VPS37C	METTL1	0.024921997	-0.499545011
FTH1	METTL1	0.007073673	-0.582207197
ATG16L2	METTL1	0.00374672	-0.617132717
TRANK1	METTL1	0.0131224	0.544162866
RPSA	METTL1	1.34E-05	0.812700003
FADD	METTL1	0.03379254	-0.476201898
PNOC	METTL1	3.25E-04	0.722033303
COPS6	METTL1	0.009198573	0.566569732
KIAA1586	METTL1	2.92E-04	0.725764341
THAP9	METTL1	2.30E-06	0.848268621
HOOK3	METTL1	0.03949282	-0.463638844
MAPK1IP1L	METTL1	5.19E-04	0.70493579
RBPJ	METTL1	0.006721738	-0.585159451
ZCCHC4	METTL1	0.039235439	0.464174638
PTGDR	METTL1	0.046383523	-0.45020647
TTC39C	METTL1	0.008579456	0.570791694
NKIRAS2	METTL1	8.58E-04	-0.68514253
SMIM4	METTL1	0.00536783	0.597854281
HIST1H2AE	METTL1	0.026547637	-0.494824644
KIF5C	METTL1	0.04401979	0.454629357
BMI1	METTL1	0.002700049	0.633693933
MMADHC	METTL1	1.91E-04	0.74002949
MFSD2A	METTL1	0.022112716	-0.508310161
RFWD3	METTL1	3.96E-04	0.714971644
RHOH	METTL1	7.77E-07	0.866554487
CDC40	METTL1	0.01986659	0.515978807
RAB31	METTL1	0.001883365	-0.650888131
REEP4	METTL1	8.42E-05	-0.765369868
BMP1	METTL1	0.004439064	-0.608190809
FEN1	METTL1	0.006574026	0.586436427
SERINC2	METTL1	0.007251638	-0.580759882
CDKN2AIP	METTL1	4.25E-04	0.712393203
SNRNP48	METTL1	0.026354137	0.495374344
ADAM9	METTL1	0.031496288	-0.481733473
NDUFS5	METTL1	6.83E-04	0.694301552
ZNF30	METTL1	0.004289321	0.610021606
FAM84B	METTL1	0.001190899	0.671361621
LDLRAD4	METTL1	0.008324966	0.572599477
IL7R	METTL1	0.004280233	0.610134411
DNAJC21	METTL1	1.71E-04	0.743614324
CA7	METTL1	0.025372768	-0.498212314
GSTM4	METTL1	0.012733934	0.546117352
TET2	METTL1	0.022211504	-0.507987359
ZBTB5	METTL1	1.17E-04	0.755506078
CHTF8	METTL1	0.016035152	0.530828306
LCMT2	METTL1	0.006253684	0.589288787

ZNF507	METTL1	0.001930464	0.649741289
DDX19A	METTL1	0.022462996	0.507170698
ANKRD49	METTL1	0.001406177	0.664112352
TMEM150A	METTL1	0.034733885	-0.474018887
ZNF608	METTL1	0.001805753	0.652831452
CEP120	METTL1	2.14E-04	0.736293275
MFF	METTL1	0.018943526	0.519331707
SIGLEC7	METTL1	0.004079229	-0.612681476
ATP5I	METTL1	0.016339688	0.529549685
MFSD7	METTL1	0.002170762	-0.644230547
KLK7	METTL1	2.41E-04	0.732350676
CHST14	METTL1	0.025411015	-0.498100102
CSNK1G1	METTL1	0.023762195	0.503063725
CPT1C	METTL1	0.001375273	0.665092956
XPO6	METTL1	0.039065114	0.464530706
NSMCE1	METTL1	1.26E-04	0.753269416
RAB3B	METTL1	0.032153894	0.480117952
TBC1D10B	METTL1	0.009085838	-0.567320897
PRELID1	METTL1	0.013654774	-0.541558783
SLC50A1	METTL1	2.39E-05	0.799025622
NMD3	METTL1	0.005126966	0.600383774
ADRB2	METTL1	0.014994204	-0.535351406
MRPL1	METTL1	5.92E-04	0.699871247
P2RY12	METTL1	0.007763208	-0.576755497
PDILT	METTL1	0.002975828	0.628872848
GP2	METTL1	2.41E-04	0.732350823
SIN3A	METTL1	0.004494073	0.607531063
PTAFR	METTL1	0.014309073	-0.538468114
RNASE6	METTL1	0.047328331	-0.448487022
CD52	METTL1	3.89E-05	0.786678818
GPR183	METTL1	1.67E-05	0.807575279
CCDC8	METTL1	0.001921627	0.649954666
METTL15	METTL1	0.026438075	0.4951355
ZEB2	METTL1	0.006202493	-0.589755655
GJB1	METTL1	0.001373709	0.665143095
HINT1	METTL1	3.25E-06	0.841898504
C15orf40	METTL1	0.00339921	0.622149557
FAM103A1	METTL1	9.50E-06	0.820238435
PROKR1	METTL1	0.029581908	0.486591918
APLF	METTL1	0.027725122	0.491546031
BCRP2	METTL1	0.010615755	0.557713209
CHRNA5	METTL1	0.030176405	0.48505741
AGPAT2	METTL1	6.25E-04	-0.697782152
GP9	METTL1	0.018215056	-0.522071077
CNBP	METTL1	0.011774592	0.551159031
ZNF32	METTL1	3.67E-05	0.788200627
LIMS1	METTL1	0.030053758	-0.48537203
TAPT1	METTL1	4.64E-04	0.709123042
UGP2	METTL1	0.0099893	0.561501712
ROBO1	METTL1	0.045733034	0.451406001
AVEN	METTL1	0.025872927	0.496755312
P2RY1	METTL1	0.007207343	-0.581117375
AHSP	METTL1	0.044046856	0.454577688
ITGAM	METTL1	0.00680212	-0.584474186

GUSB	METTL1	0.028902216	-0.48837628
KLF13	METTL1	0.006046835	-0.591194995
TMEM42	METTL1	0.012808815	0.545736898
SF3B5	METTL1	0.001568569	0.65923864
UBE2E3	METTL1	0.008581506	-0.570777306
TRAPPC1	METTL1	0.021109844	0.511653728
SIMC1	METTL1	0.016645303	0.528285597
NIPA1	METTL1	0.001322837	0.666800048
HNRNPA3	METTL1	0.003379923	0.622440262
USP38	METTL1	0.047867138	0.447518222
SLC16A5	METTL1	0.001779965	-0.653492641
NANP	METTL1	0.003879362	-0.615319286
ANKK1	METTL1	0.034625434	0.474268019
ADPRM	METTL1	1.82E-05	0.805491543
USP47	METTL1	0.006976318	0.583011609
FAXDC2	METTL1	0.023695465	-0.503270277
CRTAP	METTL1	0.00466738	-0.605495246
ELP5	METTL1	3.39E-04	0.720579976
UBB	METTL1	5.56E-05	0.777063392
NFRKB	METTL1	0.007439936	0.579259845
FRMPD2	METTL1	0.015113386	0.534820984
FOS	METTL1	0.030835778	-0.483382936
OR2A20P	METTL1	0.012440823	0.547624207
SETMAR	METTL1	2.81E-07	0.881579709
SLC30A1	METTL1	0.01145174	-0.552930515
ZNF804A	METTL1	5.14E-04	-0.705270077
TMEM182	METTL1	0.003335311	0.623117999
MGMT	METTL1	0.012225483	0.548749636
HARS	METTL1	0.024166075	0.501823279
DENND5B	METTL1	0.001644825	0.657094957
CD14	METTL1	0.013924613	-0.54027001
DNAJC18	METTL1	3.03E-06	0.843212373
SPATA24	METTL1	2.62E-04	0.729542352
PA2G4	METTL1	0.046821086	0.44940684
TMC7	METTL1	0.003592205	0.619313559
NUDCD2	METTL1	4.76E-05	0.781304744
HSPA4	METTL1	0.003676983	0.61810757
GTSF1	METTL1	5.78E-05	0.776008088
ACYP2	METTL1	5.12E-06	0.833109833
TRABD	METTL1	0.011843937	-0.550783671
TMEM133	METTL1	0.006289382	0.588965068
ZNF296	METTL1	0.026949626	-0.493692684
KCNS3	METTL1	1.66E-04	0.744695651
CHCHD7	METTL1	1.79E-05	0.805864935
KBTBD2	METTL1	0.001227198	0.670065817
TRIAP1	METTL1	7.60E-04	0.69005719
LSM3	METTL1	7.99E-04	0.688038492
KIAA0232	METTL1	0.026653194	-0.494526105
RPS9	METTL1	0.003168916	0.625714163
TSEN34	METTL1	0.009935766	-0.56183433
NDUFA3	METTL1	0.009428992	0.56505744
OSCAR	METTL1	7.16E-04	-0.692415398
ZNF415	METTL1	0.027124758	0.493203688
PDGFD	METTL1	0.027855463	-0.491189885

S1PR1	METTL1	0.005274444	0.598823671
C8orf74	METTL1	0.027272434	0.492793283
FAM86JP	METTL1	0.001990279	0.648318093
MTM1	METTL1	2.50E-04	0.731096979
SIGLEC17P	METTL1	0.008586654	-0.570741202
TRMT61B	METTL1	0.036030973	0.471085225
INSR	METTL1	0.012904406	-0.545253813
JAGN1	METTL1	1.25E-04	0.753539585
C9orf16	METTL1	0.010614382	-0.557721313
RBKS	METTL1	2.91E-04	0.725859127
TMEM126A	METTL1	0.002553184	0.636431208
TMEM126B	METTL1	0.020296604	0.514459088
TRIM8	METTL1	6.76E-05	-0.771634878
SCAND1	METTL1	0.035729545	-0.471759545
C10orf35	METTL1	0.015774276	0.531939201
GAA	METTL1	0.003589705	-0.619349475
CHD7	METTL1	0.001014618	0.678172471
KRT15	METTL1	0.001150676	0.672836911
LURAP1	METTL1	0.037659037	0.467517115
KRT38	METTL1	0.030467664	0.484314259
KCND3	METTL1	0.032115653	-0.480211185
XAGE5	METTL1	1.97E-04	0.739023868
PDE7B	METTL1	0.046166138	0.450605891
ZNF524	METTL1	5.49E-04	-0.702777536
ZBTB26	METTL1	0.006242748	0.589388261
POLR1C	METTL1	6.39E-04	0.696888381
ASXL1	METTL1	0.002643593	0.634731131
LRRC8C	METTL1	0.004609736	0.606165351
RSL1D1	METTL1	0.003298491	0.623683054
PTGER4	METTL1	0.008616487	0.570532298
TBCA	METTL1	2.63E-04	0.729381186
PLRG1	METTL1	0.025355456	0.498263149
NMUR1	METTL1	0.035464182	-0.472356862
ZNF274	METTL1	1.62E-05	0.808276708
PTCRA	METTL1	0.005491468	-0.596591989
S100Z	METTL1	0.014952624	-0.535537256
ZIK1	METTL1	0.006360867	0.588321337
SHANK2-AS3	METTL1	2.60E-04	0.729841416
ATF7IP	METTL1	0.008482419	0.571475771
RGS19	METTL1	0.002598725	-0.63556867
HDAC3	METTL1	0.045492925	0.451852089
GPHN	METTL1	0.010237581	0.559977763
TMEM51	METTL1	0.029009559	-0.488092301
LGALS4	METTL1	2.69E-05	0.79603473
NXNL1	METTL1	1.97E-04	0.739023868
RASGRP4	METTL1	8.74E-04	-0.684360364
BCL2	METTL1	4.77E-04	0.708087591
RHNO1	METTL1	4.41E-07	0.875167506
CTPS1	METTL1	0.009280514	0.566028435
UTF1	METTL1	0.019942461	-0.515708778
METTL18	METTL1	5.69E-06	0.830980568
COL8A2	METTL1	0.021884227	-0.509061179
PWWP2B	METTL1	0.038597206	-0.465515115
FBXL14	METTL1	0.039996294	-0.462598525

MLLT3	METTL1	1.08E-04	0.758112583
RPS21	METTL1	2.36E-04	0.733128913
RPS7	METTL1	2.88E-04	0.726200869
PRND	METTL1	0.041653237	0.459244873
RNASEH1	METTL1	4.76E-04	0.708152094
PRNP	METTL1	0.041601643	0.459347729
LGALS9C	METTL1	0.02780808	-0.491319203
TVP23B	METTL1	0.019903029	0.515849015
PPIH	METTL1	2.49E-05	0.798011265
C20orf196	METTL1	9.00E-05	0.763409606
MAL	METTL1	0.015861054	0.531568047
LAMB2	METTL1	0.003167073	-0.625743558
ORMDL3	METTL1	8.96E-05	0.763523823
EIF2AK3	METTL1	5.53E-06	0.831544668
MOB3A	METTL1	0.003736787	-0.617270647
CYCS	METTL1	9.87E-06	0.819406528
FRMD3	METTL1	0.023562236	-0.503684052
MTBP	METTL1	0.003797091	0.616437897
MALT1	METTL1	1.11E-06	0.860884824
ISG20	METTL1	1.05E-04	0.758795546
CEBPB	METTL1	2.37E-04	-0.732945394
PAIP1	METTL1	0.0025298	0.636879093
CLEC7A	METTL1	0.012107518	-0.54937296
C5orf34	METTL1	0.045794759	0.451291616
C1QTNF4	METTL1	0.04887975	-0.445719908
ZNF131	METTL1	0.002287564	0.641734258
MACROD2	METTL1	1.75E-05	0.806496424
CLEC12A	METTL1	0.026635862	-0.49457506
ALG14	METTL1	0.017445681	0.525061022
SUCLG2	METTL1	0.002033774	0.647305526
CSDC2	METTL1	0.043567805	-0.455495819
GNB2	METTL1	8.68E-05	-0.764451387
PDZD3	METTL1	0.011297231	-0.553792656
C2CD2L	METTL1	0.015248564	-0.534223427
ZNF24	METTL1	3.77E-04	0.716726822
NIPAL4	METTL1	0.001994352	0.648222487
RASGRP1	METTL1	0.022388533	0.507411739
KLHL6	METTL1	0.02054872	0.513579964
CHCHD1	METTL1	0.039331398	0.46397456
MRPL52	METTL1	0.009726924	0.563146003
RND1	METTL1	1.49E-04	0.747972379
TAF15	METTL1	1.30E-06	0.858180384
THEMIS	METTL1	0.012333069	0.548185378
FAM71D	METTL1	0.021503268	0.510327317
CORO1B	METTL1	4.11E-04	-0.713630691
EFCAB12	METTL1	0.023341312	0.504374283
RAB43	METTL1	0.020697993	-0.513063494
FADS6	METTL1	0.020569522	0.513507813
RPL38	METTL1	2.73E-05	0.795742558
CES3	METTL1	0.020272971	0.514541939
SSH3	METTL1	0.047983252	-0.447310541
DMXL1	METTL1	0.005198276	0.599624868
NBEA	METTL1	0.016444519	0.529113962
ANKRD13D	METTL1	0.017456556	-0.52501803

FRG2C	METTL1	4.71E-05	0.781595256
KAT5	METTL1	0.013782512	0.540946162
TADA2B	METTL1	0.024718153	0.500153934
CCDC96	METTL1	0.023594463	0.503583794
COQ2	METTL1	0.005577589	-0.595726488
TRMT112	METTL1	0.011422875	0.55309086
NOC3L	METTL1	0.030322594	0.484683707
ESRRA	METTL1	4.43E-04	-0.710860827
RHOD	METTL1	0.00510653	0.600602873
CKS1B	METTL1	0.038902887	0.464870967
MAB21L3	METTL1	0.007940348	0.575419176
IQCB1	METTL1	1.07E-04	0.758173634
SYT12	METTL1	7.22E-04	0.692068307
ZNF483	METTL1	0.016509956	0.528843105
ZBTB21	METTL1	0.001163894	0.672347376
MAP3K11	METTL1	0.003575658	-0.619551687
TRIB1	METTL1	0.029045165	-0.487998288
DAB1	METTL1	0.00355656	0.61982766
MINOS1	METTL1	0.003835509	0.615913073
EHBP1L1	METTL1	3.69E-04	-0.717465361
THAP2	METTL1	9.89E-04	0.679244248
RNF26	METTL1	0.006890178	0.583731063
SMARCC1	METTL1	0.002031656	0.647354398
LTA	METTL1	0.013141824	0.544066368
GMPPB	METTL1	0.004500606	0.607453149
SNX33	METTL1	0.013356447	-0.543007733
CHD2	METTL1	0.006766332	0.584778461
LRFN4	METTL1	0.012815668	-0.545702167
SLC19A1	METTL1	0.017305267	-0.525618033
HSPB7	METTL1	0.043392441	-0.45583386
UQCRH	METTL1	0.006731837	0.585072988
EIF1AX	METTL1	1.39E-04	0.750220006
C11orf80	METTL1	0.002865796	0.630749894
TOMM20	METTL1	4.35E-04	0.711528795
EIF1	METTL1	0.029951364	0.485635469
NET1	METTL1	0.036806036	0.469371277
GOLIM4	METTL1	0.023511394	-0.503842441
USMG5	METTL1	0.002455846	0.638318631
C1QTNF1	METTL1	0.026946078	0.493702617
PIFO	METTL1	0.021430482	0.51057125
XXYL1	METTL1	6.12E-05	-0.774435302
CCS	METTL1	1.72E-04	0.743431004
SPERT	METTL1	0.045756309	0.451362855
SLC25A30	METTL1	0.039172209	0.464306683
PIK3R6	METTL1	0.003870755	-0.615435389
MSRB3	METTL1	0.012600257	-0.546801063
LEMD3	METTL1	0.041468656	0.459613302
FAM174A	METTL1	0.044609259	0.453509578
RGMB	METTL1	0.001469166	0.662168447
ZDHHC24	METTL1	0.038298444	-0.466148518
TRMT10C	METTL1	5.40E-06	0.832038415
MGA	METTL1	0.034722214	0.474045668
C12orf66	METTL1	0.001137835	0.673317036
LIG4	METTL1	0.002536461	0.636751154

RPL4	METTL1	0.0383079	0.466128411
SNAPC5	METTL1	5.96E-06	0.830042119
CNTNAP2	METTL1	0.02333507	0.504393861
GCSAM	METTL1	0.027756527	0.491460099
MRPL11	METTL1	0.036889369	0.469188674
AKIRIN1	METTL1	0.006016347	0.591480461
CMKLR1	METTL1	0.043496369	-0.455633396
UGT8	METTL1	0.003622222	0.61888388
SLCO2A1	METTL1	0.006957988	-0.583164092
LARP7	METTL1	9.73E-05	0.761101955
NR1D2	METTL1	0.002356973	0.640300857
WDR49	METTL1	0.030233555	-0.48491115
SRP72	METTL1	3.53E-04	0.719086104
C4orf26	METTL1	0.026302565	0.495521387
CEP135	METTL1	0.007886436	0.575823283
DENND6A	METTL1	0.037681722	0.467468251
PDE12	METTL1	0.022550791	0.506887314
RSRC1	METTL1	0.01590237	0.531391908
CATSPERD	METTL1	0.001537102	0.660148832
METTL15P1	METTL1	3.42E-05	0.789979927
C19orf70	METTL1	0.002816628	0.631608112
C3orf33	METTL1	0.030132603	0.485169659
FUT1	METTL1	0.008104143	0.574205027
DHX36	METTL1	7.16E-04	0.692406851
ZG16	METTL1	0.04358264	0.45546727
CTBP2	METTL1	0.015181858	-0.534517769
ATR	METTL1	0.040826813	0.460904391
GK5	METTL1	0.005065664	-0.60104316
PDIK1L	METTL1	1.49E-04	0.747982506
ZNF654	METTL1	6.83E-04	0.694310379
PPM1E	METTL1	0.003018021	0.628168384
FAM131A	METTL1	3.56E-04	-0.718765415
DDIT3	METTL1	0.005783645	0.593699443
ARHGAP1	METTL1	0.019176039	-0.518475065
CATSPER1	METTL1	0.011169024	-0.554515311
CST6	METTL1	0.044202357	-0.454281316
CHRNA7	METTL1	0.01369644	-0.541358452
CLTB	METTL1	0.001883236	-0.650891309
RFESD	METTL1	0.02903966	0.488012815
SART1	METTL1	0.027201568	0.492990006
MCTP1	METTL1	0.003561073	-0.619762337
POLD4	METTL1	5.86E-04	0.700296842
LRRC25	METTL1	0.004781982	-0.604183058
UBQLNL	METTL1	0.012704413	0.546267844
LIPT2	METTL1	2.99E-05	0.793414512
KCNE3	METTL1	0.006938656	-0.583325269
MRPL48	METTL1	0.00637167	0.588224574
SUGCT	METTL1	0.006009431	0.59154539
CCDC85B	METTL1	0.016256229	-0.529898179
RMI2	METTL1	0.031355815	0.482081987
GPR156	METTL1	0.002751664	0.632761378
B3GNTL1	METTL1	0.040519587	-0.461527951
TOMM5	METTL1	0.009107842	0.567173687
RUVBL1	METTL1	0.002665707	0.634322683

MSRA	METTL1	0.003846941	-0.615757745
FAM172BP	METTL1	2.39E-04	0.732636839
SWI5	METTL1	0.019439171	0.51751555
BAIAP2	METTL1	0.001306386	-0.667347326
CALCB	METTL1	0.019526434	0.517199633
ORAI3	METTL1	0.018921724	-0.519412459
UNC119B	METTL1	0.007130051	0.581745507
B3GALT6	METTL1	0.04941113	-0.444787623
RPL23P2	METTL1	0.039736595	0.463133862
TPRN	METTL1	0.002583219	-0.635860934
DLEU1	METTL1	0.003017823	0.628171663
TCP11L1	METTL1	0.045971127	-0.450965434
HSF5	METTL1	5.21E-04	0.704759978
SPHK1	METTL1	0.014288753	-0.538562366
BNIP3	METTL1	0.012342602	0.548135572
MYPOP	METTL1	0.009088171	-0.567305278
SMIM19	METTL1	2.13E-06	0.849682103
RTTN	METTL1	6.09E-04	0.698792786
ZBTB8OS	METTL1	0.011808971	0.550972714
SLC35G1	METTL1	0.016355468	0.529483954
IDSP1	METTL1	0.025684231	-0.497302365
CDC26	METTL1	1.14E-04	0.756243538
CRLF3	METTL1	1.17E-04	0.75552597
RNPEP	METTL1	1.09E-04	-0.757687545
EID2	METTL1	0.044666947	0.453400605
EID2B	METTL1	8.28E-04	0.686593551
DNAJC30	METTL1	0.035802004	0.471597045
SLCO3A1	METTL1	0.002182448	-0.643975803
DIRAS1	METTL1	0.001071108	0.675888067
GNG7	METTL1	0.04921433	0.445132
CNBD1	METTL1	1.97E-04	0.739023868
KBTBD11	METTL1	0.042531007	-0.457509884
C8orf59	METTL1	5.93E-04	0.699806075
METRNL	METTL1	0.017206794	-0.526010834
TCEANC	METTL1	1.86E-04	0.740909205
C8G	METTL1	0.008906469	-0.568531855
GCNT4	METTL1	5.75E-04	0.700987663
THAP4	METTL1	0.04101775	0.460518684
HCG4	METTL1	9.29E-04	0.681832816
RHOG	METTL1	0.032046128	-0.480380915
EPS8L2	METTL1	0.016325046	0.529610721
ANO6	METTL1	0.005645466	-0.59505205
ZBTB34	METTL1	7.02E-04	-0.693192075
FAM210A	METTL1	0.018626909	0.520511806
TALDO1	METTL1	0.046884641	-0.449291174
ULK1	METTL1	0.002063668	-0.646620029
B3GNT8	METTL1	0.041395412	-0.45975985
FBXO39	METTL1	2.34E-04	0.733342341
BEND2	METTL1	0.049792343	-0.444123519
RPL13AP3	METTL1	0.006938081	0.583330064
HIC1	METTL1	0.015517104	-0.53304885
MAGEF1	METTL1	0.002802539	0.631856335
ZFAS1	METTL1	0.00181122	0.652692306
PAWR	METTL1	0.01843142	0.521248453

TGIF1	METTL1	1.23E-04	0.754087235
NAP1L5	METTL1	0.005426776	0.597249514
CD19	METTL1	0.007753817	0.57682704
ARIH2	METTL1	0.00376228	0.616917266
RBM44	METTL1	0.016706082	-0.528036423
ZBTB33	METTL1	0.003951431	0.614355436
SAMD12	METTL1	0.004487774	0.607606275
RPLP2	METTL1	0.004921364	0.60262167
CSTF2T	METTL1	0.001535684	0.660190212
CASC2	METTL1	0.025364076	-0.498237834
IL17RA	METTL1	0.017230001	-0.525918101
PNPLA2	METTL1	0.002961447	-0.629114874
MBOAT4	METTL1	0.006044404	0.59121771
AGTRAP	METTL1	2.43E-04	-0.732082762
THAP5	METTL1	0.001519922	0.660652376
CD151	METTL1	0.002507382	-0.63731171
FAM20C	METTL1	2.44E-04	-0.731960098
FLII	METTL1	0.007184941	-0.581298855
ZCCHC3	METTL1	0.008578553	-0.570798026
TMEM78	METTL1	0.001961297	0.649003125
CHID1	METTL1	0.01379847	0.54086995
UBE2N	METTL1	7.20E-05	0.769843452
ZNF354C	METTL1	0.030219631	0.484946764
MAMDC4	METTL1	0.028603651	-0.489170525
BET1L	METTL1	8.45E-04	0.685724342
RPS27	METTL1	2.82E-05	0.794859163
ODF3B	METTL1	0.015949106	-0.531193104
ZNRF3-AS1	METTL1	0.022085096	0.508400617
IMPDH2	METTL1	8.18E-04	0.687043978
C2orf69	METTL1	9.59E-05	0.761548014
STAP2	METTL1	0.002011312	0.64782615
PDE4DIP	METTL1	0.011610204	0.552056044
DDX10	METTL1	7.71E-05	0.767912785
ZNF518B	METTL1	5.98E-06	0.829969639
AMER3	METTL1	7.57E-05	0.768432121
LCORL	METTL1	0.023977055	-0.502401762
ZNF454	METTL1	0.011460495	0.552881951
KDELC2	METTL1	0.024487781	0.500846898
PLEC	METTL1	0.025230003	-0.498632359
PRSS36	METTL1	0.004569007	-0.606643003
ZNF543	METTL1	0.029799974	0.486026263
WDR6	METTL1	0.004664425	0.605529428
GEN1	METTL1	0.034955765	0.473511072
TMEM11	METTL1	0.032469649	-0.479351417
CALML3	METTL1	1.97E-04	0.739023868
FAM220A	METTL1	0.022605129	0.506712359
NT5DC1	METTL1	2.73E-05	0.795746387
RPS3AP5	METTL1	6.05E-04	0.699022803
COX14	METTL1	0.004307533	0.609796146
CD28	METTL1	6.83E-04	0.694285145
EPM2AIP1	METTL1	0.018701298	0.52023311
CTNNBIP1	METTL1	7.70E-05	-0.76794051
GPR35	METTL1	0.00319177	-0.625350985
SUZ12	METTL1	0.024928147	0.499526699

KCTD12	METTL1	0.010835978	-0.55642449
GRINA	METTL1	4.29E-04	-0.712020325
ZHX2	METTL1	5.75E-04	0.700992163
MPI	METTL1	8.33E-04	0.686304697
OPLAH	METTL1	0.001714379	-0.655211172
TAF7	METTL1	1.11E-05	0.816907289
PFAS	METTL1	0.039434371	0.46376028
ZNF552	METTL1	0.027084134	0.493316896
GAK	METTL1	0.035223253	-0.472902202
ZBTB7A	METTL1	0.005218955	-0.599406395
CTC1	METTL1	0.039673146	0.463265064
FBXO34	METTL1	0.03065985	0.483826938
EIF3K	METTL1	0.005494052	0.596565858
MRFAP1L1	METTL1	0.00902923	0.567700952
SNX18	METTL1	0.015620593	-0.532600552
MRFAP1	METTL1	3.41E-05	0.790075226
RRS1	METTL1	0.012847827	0.545539394
TRIML2	METTL1	0.001104444	0.674587241
C12orf42	METTL1	0.031536194	0.48163469
CYC1	METTL1	0.009073107	-0.567406201
GIMAP7	METTL1	0.00995532	0.561712672
EDC3	METTL1	0.001641365	0.657190383
LINC00311	METTL1	1.43E-04	0.749436631
MAGED1	METTL1	0.009763506	0.5629146
LDLRAD3	METTL1	0.01724206	-0.525869955
DAND5	METTL1	8.60E-04	0.685004428
RAB39A	METTL1	0.022289785	-0.50773238
PACS2	METTL1	0.049349011	-0.444896209
VWA1	METTL1	0.031004401	0.482959229
GEMIN4	METTL1	1.89E-06	0.851752039
KLHL28	METTL1	0.0146457	0.536922119
C14orf28	METTL1	2.63E-04	0.72940516
LBX2	METTL1	0.034428571	-0.47472181
SLITRK4	METTL1	0.003526887	-0.620258917
HTR1D	METTL1	0.032625837	0.478974403
GCC1	METTL1	2.46E-04	0.731729534
ZFPM1	METTL1	0.020580647	-0.513469251
CDC42EP4	METTL1	0.003011312	-0.62827985
PCED1B	METTL1	0.03973464	0.463137901
ATP8B5P	METTL1	0.009329716	0.565705282
CDH5	METTL1	0.014068213	-0.53959235
MYADM	METTL1	0.004593681	-0.606353218
SERTAD2	METTL1	0.020399019	-0.514100928
CITED4	METTL1	0.042194904	-0.458170923
TIGD5	METTL1	0.036783311	-0.46942113
ZNF154	METTL1	0.038514936	0.465689155
R3HDM2	METTL1	0.025550423	0.497692216
GPBAR1	METTL1	0.011184913	-0.554425386
CCR8	METTL1	0.046619059	0.44977532
DCTPP1	METTL1	0.011520266	0.552551165
SOCS4	METTL1	3.43E-04	0.720083141
C3orf80	METTL1	0.02251343	-0.507007798
TMEM150B	METTL1	0.010343979	-0.559333865
RCC1	METTL1	0.004459202	0.607948502

PRKRA	METTL1	0.002157005	0.644531893
PNPLA1	METTL1	0.022630485	-0.506630832
ALX1	METTL1	5.50E-04	0.7026734
FZD2	METTL1	0.029474397	-0.486872002
CCDC66	METTL1	3.60E-05	0.788684045
ATP5EP2	METTL1	8.54E-04	0.685333796
MCFD2	METTL1	0.030817805	0.483428204
HARBI1	METTL1	0.003616307	0.618968316
TPRXL	METTL1	0.043379178	0.45585947
ZNF571	METTL1	7.20E-04	0.692176409
GLIPR1L2	METTL1	0.002378399	0.639865483
C9orf139	METTL1	0.029665384	-0.486374998
HIST1H2AC	METTL1	0.048818065	-0.445828635
MB21D2	METTL1	0.003468849	0.621111172
PCGF5	METTL1	0.004461231	0.607924146
CHRM4	METTL1	0.012949435	0.545027256
S1PR5	METTL1	0.014932054	-0.535629353
WDFY3-AS2	METTL1	0.021313092	-0.510966056
SRSF8	METTL1	0.007848222	0.576111086
ZDHHC20	METTL1	0.039642222	-0.463329071
PPA1	METTL1	0.002522799	0.637013853
GREM2	METTL1	1.71E-04	0.743709573
C11orf42	METTL1	0.003788937	-0.616549853
SSR4	METTL1	0.02622067	0.495755357
CUEDC1	METTL1	0.001477928	-0.661903603
SCRIB	METTL1	0.01303934	-0.544576803
ZNF572	METTL1	0.019400339	0.517656497
PITPNB	METTL1	0.009035444	0.56765914
MRPL14	METTL1	0.00147682	0.661937048
ZFP82	METTL1	0.003077399	0.62719072
OR56B2P	METTL1	0.046544887	0.449910912
OR56B1	METTL1	0.028999912	0.48811779
AEN	METTL1	0.001470189	0.662137459
METTL23	METTL1	0.006274065	0.589103781
OR52N4	METTL1	0.010793119	0.556673621
HLA-V	METTL1	0.006112508	0.590584062
NPM1	METTL1	2.15E-05	0.801563006
PJA1	METTL1	0.007836728	0.576197882
HIST3H2A	METTL1	0.029675373	-0.486349074
ZNF746	METTL1	0.027458207	-0.492279481
SLC25A41	METTL1	0.035588955	0.472075575
HEPHL1	METTL1	0.02760367	0.491879073
AATK	METTL1	0.02760144	-0.491885198
ZNF467	METTL1	7.92E-04	-0.688395036
RAP2B	METTL1	0.001085924	-0.675305794
ZBTB2	METTL1	0.008961749	0.568156549
RNF135	METTL1	0.006153707	-0.590203544
RPL24P4	METTL1	0.010664388	0.557426759
SETD2	METTL1	1.98E-04	0.738953124
MEX3D	METTL1	0.013712016	-0.54128369
P2RY13	METTL1	0.046910769	-0.449243659
TNFSF15	METTL1	0.041129828	0.460292925
PLAG1	METTL1	0.009409064	0.565187036
C3orf58	METTL1	7.49E-04	-0.690605195

ZNF329	METTL1	1.63E-04	0.745241651
ZNF101	METTL1	0.002293414	0.641612043
CCDC149	METTL1	0.016993899	-0.526866238
SNRPE	METTL1	8.13E-05	0.766366606
CHST15	METTL1	0.00301782	-0.628171718
TMEM259	METTL1	0.043411841	-0.455796411
TNRC18	METTL1	3.61E-04	-0.718293895
TMEM30B	METTL1	0.019252578	0.518194886
IST1	METTL1	0.005033393	0.60139293
ERCC6L2	METTL1	0.00294327	0.62942217
MRPL41	METTL1	0.037297851	-0.468298197
TP53TG1	METTL1	6.92E-04	0.693784221
UBA7	METTL1	0.006058281	0.59108812
MRPS16	METTL1	0.009697696	0.563331399
RAD51B	METTL1	0.00236988	0.640038197
EXT1	METTL1	0.047665814	-0.447879228
SHMT2	METTL1	0.00138697	0.664719659
BACE2	METTL1	0.022625995	0.506645264
IZUMO1	METTL1	7.07E-04	0.692916103
TMIGD1	METTL1	0.041516041	0.459518599
AP1S2	METTL1	0.025786357	-0.497005897
C8orf33	METTL1	0.005431447	0.597201824
GLTPD2	METTL1	0.015375313	-0.533666983
LIPF	METTL1	1.97E-04	0.739023868
KBTBD3	METTL1	0.001847856	0.651768758
YBEY	METTL1	0.004452775	0.60802574
PGBD4	METTL1	0.006022571	0.591422089
KPNA2	METTL1	0.002262447	0.642261912
NCF1B	METTL1	0.030285895	-0.484777388
BGN	METTL1	0.001121197	0.673945959
FES	METTL1	0.0080774	-0.574401883
LIMK2	METTL1	0.014067436	0.539596002
SATB1	METTL1	0.004264302	0.610332623
CSF1R	METTL1	0.032207174	-0.479988196
TSPAN10	METTL1	0.018078913	0.522592705
PLCB1	METTL1	0.008739089	-0.569679934
TTC3	METTL1	0.002346752	0.640509691
SEPHS1P1	METTL1	0.039123861	0.464407758
C1orf116	METTL1	0.037781258	-0.467254124
ACBD3	METTL1	8.16E-04	0.687152221
LCK	METTL1	0.01052737	0.558236533
GLUD2	METTL1	0.005195412	0.599655178
RPL35A	METTL1	9.96E-05	0.760396223
LENG9	METTL1	0.018150635	-0.522317514
CEP63	METTL1	0.013963226	0.540087244
ODF3L1	METTL1	0.013057185	0.544487687
GJC1	METTL1	0.012003458	0.549926904
CNOT10	METTL1	1.19E-04	0.754997718
SLC8A1	METTL1	0.015812146	-0.531777026
OTOP2	METTL1	0.018909935	-0.519456156
WBP2NL	METTL1	0.040316841	0.461941461
OR2T11	METTL1	0.001407051	0.664084879
FANCF	METTL1	6.14E-04	0.698486211
SMDT1	METTL1	0.045431449	0.451966592

WT1-AS	METTL1	5.50E-06	0.831651301
RIMBP3C	METTL1	0.016639021	0.528311392
PTTG1IP	METTL1	0.004434736	-0.608243
ABHD16B	METTL1	0.03466267	-0.474182413
GBP6	METTL1	0.00379969	0.616402254
FHL3	METTL1	0.025824659	-0.496894947
PMCH	METTL1	9.89E-04	0.679250332
CCDC159	METTL1	0.029612419	-0.486512577
RIPK4	METTL1	7.40E-04	0.691095849
SF3A3	METTL1	0.011167089	0.554526267
TRIM61	METTL1	0.003323504	0.623298633
SSTR3	METTL1	0.004700462	0.605113749
GTF2H2C	METTL1	0.04517138	0.452452317
ASB7	METTL1	0.001033763	0.677386518
GPR132	METTL1	0.037267572	0.468363942
FAM46C	METTL1	0.002150075	0.644684307
HIST2H2AA3	METTL1	0.006555325	-0.586599778
MRPL54	METTL1	2.15E-04	0.736156274
HMCES	METTL1	4.23E-05	0.784437989
FAM19A1	METTL1	0.014787898	0.53627764
EFHC2	METTL1	0.041536858	-0.45947702
CMTM4	METTL1	0.01606383	-0.530707072
ASCL2	METTL1	0.020904952	-0.512352312
CBX6	METTL1	0.009210186	-0.566492775
MACC1	METTL1	0.003954639	0.614312862
CHEK2	METTL1	7.26E-04	0.691863065
AIFM3	METTL1	0.016408662	-0.529262748
KCTD16	METTL1	0.014613016	0.537070965
SLC35F3	METTL1	0.013156768	-0.543992205
EMILIN3	METTL1	1.16E-04	0.755900387
CCR4	METTL1	0.002008991	0.647880234
LIN9	METTL1	0.003815417	0.616187005
SCN5A	METTL1	0.044307135	-0.454082071
UTY	METTL1	0.011405467	0.553187721
TTC32	METTL1	0.041259449	0.460032421
HTR7P1	METTL1	0.002862493	-0.630807171
KCNH8	METTL1	0.001337447	0.66631878
PP2D1	METTL1	3.81E-04	0.716324337
VPS33B	METTL1	0.024211641	0.501684362
ADAP2	METTL1	0.038404399	-0.465923445
CLDN5	METTL1	0.013350606	-0.543036364
NIPSNAP1	METTL1	2.85E-04	0.726626616
RPL7AP28	METTL1	0.001154687	0.67268786
NR2C2AP	METTL1	6.79E-05	0.771528612
PPP1R2	METTL1	0.001200292	0.671023154
TSPYL2	METTL1	0.038618931	0.465469203
PGP	METTL1	0.003153089	-0.625966963
SNRNP35	METTL1	1.48E-04	0.748251708
IRAK1	METTL1	0.045309449	-0.452194183
CMSS1	METTL1	2.18E-09	0.932413051
OLIG1	METTL1	0.033575106	-0.47671287
PCDH9	METTL1	0.007683085	0.577368135
OAF	METTL1	0.001111194	-0.674327896
LINC00315	METTL1	0.022386596	0.507418018

TM2D3	METTL1	0.002382616	0.639780195
CLECL1	METTL1	0.037068101	0.468798106
CCSER1	METTL1	1.67E-04	0.744374652
ZDHC23	METTL1	4.92E-04	0.706885889
SPATA32	METTL1	0.039497718	0.463628674
PKP3	METTL1	0.017572841	-0.524559671
MAML2	METTL1	0.001582623	0.658837087
TMEM255B	METTL1	0.025336014	-0.498320273
PROS1	METTL1	0.049727134	-0.444236842
HDDC3	METTL1	0.001689557	0.65587596
BEX5	METTL1	0.001290121	0.667894175
ZFP1	METTL1	0.024471021	0.500897515
DUSP8	METTL1	0.046713286	0.449603307
XPOT	METTL1	6.99E-04	0.693351981
PDE4B	METTL1	4.26E-06	0.836707885
RPL7P26	METTL1	1.97E-04	0.739023868
NELL2	METTL1	1.20E-04	0.754836726
HIST2H2BE	METTL1	0.012626564	-0.546666048
EIF4ENIF1	METTL1	0.046315619	0.450331081
RNLS	METTL1	0.019820165	0.516144441
NDUFA12	METTL1	0.001763269	0.653925028
RPS17	METTL1	0.011415432	0.553132259
UBE2G2	METTL1	0.014708073	0.536638814
SATL1	METTL1	0.036014648	0.471121634
SDR42E1	METTL1	0.009017254	0.567781606
ARMCX2	METTL1	1.03E-05	0.818459076
PIGW	METTL1	1.42E-04	0.749671447
BTBD6	METTL1	0.003952971	0.614334988
RBM43	METTL1	0.004622805	0.606012818
IMMP2L	METTL1	3.51E-04	0.71934428
TCEAL2	METTL1	0.007317904	0.580228394
FMNL1	METTL1	0.001486968	-0.661631753
PTRHD1	METTL1	0.013401663	0.542786458
LCN12	METTL1	0.037096982	-0.468735132
SORCS2	METTL1	0.040673579	-0.461214947
SIVA1	METTL1	0.029678616	-0.486340657
DGAT1	METTL1	0.001973533	-0.648712888
CIB1	METTL1	0.036771683	0.469446646
EFCAB10	METTL1	0.025158326	-0.498843954
RPS27L	METTL1	0.012956179	0.544993379
C6orf120	METTL1	4.48E-04	0.710443193
PRSS57	METTL1	0.021535502	-0.510219496
TNFAIP2	METTL1	2.02E-04	-0.738180426
RAB11B	METTL1	0.011010047	-0.5554208
PRMT3	METTL1	0.025566326	0.497645798
GP1BA	METTL1	0.026562578	-0.49478233
PRPF39	METTL1	1.07E-05	0.817666465
PPIL6	METTL1	0.00271486	0.633424833
RBM11	METTL1	0.040838058	0.460881636
GAS2L1	METTL1	7.86E-04	-0.688671159
HGS	METTL1	0.013925665	-0.540265025
RAD51D	METTL1	0.027154135	0.493121906
MAPK11	METTL1	0.003562811	0.6197372
SP140L	METTL1	0.020349211	0.514274933

SMYD3	METTL1	0.003780802	0.616661743
PARBPB	METTL1	0.005618567	0.59531852
ROR1	METTL1	5.69E-04	0.701405348
BRCC3	METTL1	0.049302588	0.444977429
PRKG1	METTL1	0.048929312	-0.445632626
LSAMP	METTL1	1.43E-04	0.749417025
MRPL40	METTL1	6.94E-04	0.693682375
NDUFA4L2	METTL1	1.91E-04	0.740060419
ZBTB3	METTL1	0.047571678	-0.44804843
DRG1	METTL1	8.96E-04	0.683333117
MORF4L1	METTL1	3.02E-04	0.724563672
WDR53	METTL1	4.25E-04	0.71239148
PIGP	METTL1	2.25E-04	0.734740777
IKZF1	METTL1	0.028090411	0.490551213
RPL12P4	METTL1	1.31E-06	0.858086053
ZNF829	METTL1	0.018799904	0.519865048
TMPRSS11B	METTL1	0.030332287	0.484658979
THNSL1	METTL1	0.025926769	0.496599796
IFITM1	METTL1	8.44E-05	0.765297165
LAMP1	METTL1	7.53E-04	-0.690432452
POMK	METTL1	0.030051052	-0.485378985
KLHL34	METTL1	0.022575702	0.506807063
ZNF267	METTL1	0.002252139	0.642479876
SHOX	METTL1	0.022238191	0.507900355
SLITRK2	METTL1	0.011301107	0.553770907
SDHAP3	METTL1	0.004834562	0.603589686
ZNF529	METTL1	0.00567928	0.594718553
DLEU7	METTL1	0.01621851	-0.530056153
MATN1-AS1	METTL1	1.32E-04	0.751950526
AIDA	METTL1	1.67E-04	0.744416774
C15orf41	METTL1	1.73E-04	0.743327339
CD300LF	METTL1	0.015848922	-0.531619837
ANKRD46	METTL1	0.014011554	0.539859061
PIP5K1C	METTL1	9.04E-05	-0.763285051
CYP4F2	METTL1	0.01976115	0.516355438
ZBTB6	METTL1	0.002713761	0.633444743
WWOX	METTL1	0.004764274	0.604384103
POLR1D	METTL1	0.008051234	0.57459501
SAPCD2	METTL1	0.046886395	-0.449287984
EDARADD	METTL1	0.02771166	0.491582888
KLHL32	METTL1	0.0131896	0.543829511
MKL2	METTL1	0.026396269	0.495254384
BTLA	METTL1	0.036517935	0.470005066
ZNF17	METTL1	0.00999566	0.561462291
PPP1CC	METTL1	1.95E-04	0.73940308
BACE1	METTL1	0.020108388	-0.515121078
TMEM212	METTL1	0.007924233	0.575539732
RXRA	METTL1	0.002108404	-0.645609559
C9orf47	METTL1	0.014434837	-0.537887139
ZNF75D	METTL1	0.003985415	0.613905965
KRT10	METTL1	5.43E-04	0.703205276
GOLGA8R	METTL1	0.027409818	-0.492413048
NKRF	METTL1	1.16E-04	0.755737161
NAP1L2	METTL1	5.21E-04	0.704727463

RPS23	METTL1	4.16E-05	0.784895514
CYP4F8	METTL1	0.002082325	0.64619641
CROCCP5	METTL1	1.97E-04	0.739023868
FOXD2	METTL1	0.038143029	-0.466479528
UBE2H	METTL1	0.014071629	0.539576297
MIR22HG	METTL1	0.036658328	-0.469695733
KTN1-AS1	METTL1	2.68E-04	0.728726192
KATNA1	METTL1	0.025889111	0.496708541
FSD2	METTL1	0.024808689	0.499882997
ARAP1	METTL1	0.004068415	-0.612821427
ZFP91	METTL1	0.019386941	0.51770518
C17orf58	METTL1	0.007605346	-0.577967556
BCDIN3D	METTL1	3.34E-04	0.721028846
CYP27C1	METTL1	6.28E-04	0.697584855
MST1L	METTL1	0.001967816	0.648848309
SPIN4	METTL1	0.007156325	-0.581531357
ZSCAN30	METTL1	0.019633416	0.516813856
LILRB4	METTL1	0.013999796	-0.539914518
RTN4RL2	METTL1	0.018542453	-0.520829292
ZNF395	METTL1	0.006391348	0.588048658
TMEM232	METTL1	0.011264924	0.553974126
KANK3	METTL1	0.031798896	-0.480986818
PNLIPRP1	METTL1	0.032996262	0.478085863
GPR141	METTL1	0.026328569	-0.495447215
TMPRSS6	METTL1	0.038731553	-0.465231525
TMEM262	METTL1	8.32E-04	0.686384288
C3orf70	METTL1	0.026501383	0.494955756
MITF	METTL1	0.00796859	-0.575208378
NAP1L1	METTL1	0.001025431	0.677727074
MRPS21	METTL1	8.58E-07	0.864986811
RNF220	METTL1	0.010415842	0.558901997
TSPYL4	METTL1	5.41E-04	0.703334276
KRT12	METTL1	0.028885168	0.488421457
TAF9B	METTL1	0.023858941	0.502765075
CHP1	METTL1	5.62E-06	-0.831217771
C11orf96	METTL1	0.026773945	-0.494185734
PLEKHG7	METTL1	0.00119738	0.671127858
PTMA	METTL1	0.028352723	0.4898431
HSPA14	METTL1	5.32E-04	0.70394489
SIRT7	METTL1	0.025319048	-0.498370149
AGMO	METTL1	0.011236599	0.55413358
TLR5	METTL1	0.025030902	-0.499221301
USP7	METTL1	1.20E-04	0.75479018
MAGEH1	METTL1	6.14E-05	0.774348242
TET3	METTL1	0.005111936	-0.600544837
TCL6	METTL1	0.009865179	0.56227514
DHRS4L2	METTL1	0.00776741	-0.576723516
TMSB4XP8	METTL1	0.00196372	0.648945544
ERAS	METTL1	0.02644482	0.495116334
C2orf88	METTL1	0.030019487	-0.485460125
TMEM203	METTL1	0.02921744	0.487544686
THSD4	METTL1	6.90E-04	0.693868976
TCEA1	METTL1	1.32E-05	0.812967429
FANCM	METTL1	0.043039517	0.456517384

CARD9	METTL1	0.002534411	-0.636790498
PEAR1	METTL1	0.031847209	-0.480868127
TMEM256-PLSCR3	METTL1	0.023190089	0.50484974
EIF4EBP1	METTL1	1.32E-04	-0.751849964
CLEC17A	METTL1	0.005573084	0.595771485
LCN10	METTL1	0.027532004	0.492076135
KLHL17	METTL1	0.01586402	-0.531555387
SCGB1C1	METTL1	0.025256273	-0.498554924
PRSS45	METTL1	7.80E-04	0.688969224
OTOG	METTL1	1.97E-04	0.739023868
TMPPE	METTL1	0.006879954	-0.58381694
NUTM2B	METTL1	0.039621236	-0.463372529
DCUN1D3	METTL1	0.0229699	-0.505546443
COMMD6	METTL1	7.19E-05	0.769907677
PLA2G2A	METTL1	1.97E-04	0.739023868
HYKK	METTL1	0.015978869	0.531066742
FAM230A	METTL1	0.033784978	0.476219625
ZNF383	METTL1	0.044804468	0.453141265
ZNF669	METTL1	7.80E-05	0.767564319
C19orf35	METTL1	0.046614076	-0.449784425
CHM	METTL1	0.0096869	0.56339999
BLOC1S5	METTL1	4.65E-04	0.709049699
CERKL	METTL1	0.015494065	0.533148981
IER5L	METTL1	0.003799937	-0.616398865
LCTL	METTL1	0.023451691	0.504028784
SRSF10	METTL1	0.002313363	0.641197273
C15orf52	METTL1	0.014100326	-0.539441567
FAM72B	METTL1	0.047425231	-0.448312169
SUMO2	METTL1	0.002206691	0.643450968
NANOS1	METTL1	0.005153153	0.600104077
DPYD	METTL1	0.024840862	-0.499786905
RHCE	METTL1	0.03761304	0.467616261
ZDHHC9	METTL1	0.048989373	0.445526946
ZBED6CL	METTL1	1.82E-06	0.852487344
TMSB4XP2	METTL1	0.025400526	0.498130861
ZNF548	METTL1	0.017323953	0.525543702
MTF1	METTL1	0.026103847	-0.496090117
RPL14	METTL1	3.03E-04	0.724488588
FAM78B	METTL1	0.001263281	0.668809332
ZNF563	METTL1	0.001653879	0.656845991
TRMT2B	METTL1	0.001073582	0.675790383
LIPI	METTL1	0.001013052	0.67823732
ZNF567	METTL1	0.020458672	0.513892971
NDUFA4	METTL1	0.007290905	0.580444461
ALKBH2	METTL1	5.79E-06	0.830633342
RNF222	METTL1	0.013330399	0.54313548
TMEM120A	METTL1	0.005942705	-0.592174943
SP6	METTL1	0.030338566	0.484642965
ZNF527	METTL1	0.006645244	0.585817844
ZAR1L	METTL1	0.002866515	0.630737437
S100A13	METTL1	0.02215536	0.508170677
ZNF33A	METTL1	0.017857579	0.523447486
PCDH18	METTL1	0.019716476	0.516515497
TSPYL1	METTL1	0.008119192	0.574094487

PNRC2	METTL1	0.001173236	0.672004208
C6orf222	METTL1	2.33E-04	0.73349768
GSPT2	METTL1	1.30E-05	0.813289158
C8orf76	METTL1	0.007831156	0.576239992
MMP23B	METTL1	0.008176727	-0.573673387
ZFP92	METTL1	0.003589639	-0.619350416
USP32P3	METTL1	0.04051877	-0.461529614
BLOC1S2	METTL1	0.004247958	0.610536623
PAX5	METTL1	0.002023476	0.64754361
SPOCK3	METTL1	0.007586992	-0.578109809
KIAA0895L	METTL1	0.018839589	-0.519717353
ACADSB	METTL1	0.017254208	0.525821481
STK40	METTL1	0.019892701	-0.515885783
SEMA4A	METTL1	0.007155186	-0.581540626
RNF216P1	METTL1	0.003524112	0.620299397
SIRPB2	METTL1	0.019994402	-0.51552439
ZNF766	METTL1	6.13E-06	0.829446399
RYR1	METTL1	0.033166486	-0.477680158
SUPT5H	METTL1	0.001224525	0.670160146
ZNF107	METTL1	0.039252245	0.464139569
PPIA	METTL1	2.39E-04	0.732669144
GRM7	METTL1	0.047142007	-0.448824011
SUPT3H	METTL1	1.39E-04	0.75022858
GIMAP5	METTL1	0.011245567	0.554083059
CGB7	METTL1	0.025110087	0.498986628
CD55	METTL1	0.035852875	0.471483113
SRGAP2B	METTL1	0.019580561	-0.51700424
FUT4	METTL1	0.002718173	-0.633364804
ASB13	METTL1	0.039604759	-0.463406661
SLC35F1	METTL1	0.031668151	0.481308732
ZNF781	METTL1	0.018498786	0.5209939
EVL	METTL1	0.040162831	0.462256647
ZNF765	METTL1	0.001292269	0.667821622
XRCC6	METTL1	9.71E-04	0.680028156
PPP1R26	METTL1	2.43E-04	-0.732035555
ZNF569	METTL1	0.020522159	0.513672177
ARMCX4	METTL1	0.004898224	0.602878345
PIK3R4	METTL1	0.049808644	0.444095207
ZNF775	METTL1	0.0406434	0.461276216
RFX8	METTL1	0.02933623	0.487233133
MYL6B	METTL1	0.018883007	0.519556049
ZNF799	METTL1	0.046301224	-0.450357517
ESRRG	METTL1	0.007167467	0.581440741
IPO4	METTL1	0.024695176	0.50022282
NCOR2	METTL1	5.06E-05	-0.779678508
GDAP2	METTL1	0.004683757	-0.60530611
TCEAL3	METTL1	0.027058453	0.493388528
NACA	METTL1	0.001836321	0.652057868
MAN2A2	METTL1	0.008420509	-0.571915563
FAM72A	METTL1	0.00848652	-0.571446735
SULF2	METTL1	0.003428927	-0.621704315
PLXNB2	METTL1	0.003886755	-0.615219742
MKL1	METTL1	0.040183683	-0.462213918
HLA-DQB2	METTL1	0.025273868	0.4985031

TCF4	METTL1	0.00786454	0.575988054
ZNF136	METTL1	6.06E-04	0.698966259
TRAPPC4	METTL1	5.65E-04	0.701669741
HSH2D	METTL1	0.010253417	0.55988158
AMZ2	METTL1	5.75E-04	0.701022147
ZNF418	METTL1	0.040940346	0.460674878
DAPK1	METTL1	0.003865842	-0.615501761
MAML3	METTL1	0.01152089	-0.552547723
STRN3	METTL1	0.010400956	0.558991261
C6orf106	METTL1	0.010813607	0.556554426
PATE2	METTL1	0.027735999	0.491516259
PPTC7	METTL1	0.017669116	0.524182021
HIST3H2BB	METTL1	0.025673775	-0.497332771
KPNA5	METTL1	0.00805194	0.574589798
PDLIM7	METTL1	0.036400491	-0.470264545
FAM3C	METTL1	0.001535623	0.660191972
SLC39A10	METTL1	0.014049132	0.539682072
AP2A1	METTL1	0.001686223	-0.655965883
FUT11	METTL1	0.037996477	-0.466792624
WDR5B	METTL1	0.020259286	0.514589951
WDR45	METTL1	0.001187732	0.67147623
METTL9	METTL1	0.010355188	-0.559266341
ZSCAN25	METTL1	0.003428762	0.621706771
GMFB	METTL1	0.030075928	0.485315084
SIGLEC15	METTL1	0.006927485	-0.583418564
ZNF420	METTL1	0.001986451	0.648408089
MAFG	METTL1	2.13E-04	-0.73655599
ARRDC1	METTL1	0.00237581	-0.639917918
IGF2R	METTL1	0.022928136	-0.505679186
PCBP2	METTL1	0.036135305	0.470852848
SLC25A29	METTL1	0.034922369	-0.473587344
PGAP1	METTL1	0.004369298	0.609037328
SRC	METTL1	0.036518905	-0.470002925
LRRRC8B	METTL1	0.026390729	0.495270148
HIST1H3J	METTL1	0.025895257	-0.496690784
PIWIL2	METTL1	0.026049906	0.496245083
SLC22A4	METTL1	0.049132256	-0.445275934
ENTPD4	METTL1	0.014512218	0.537531695
C1D	METTL1	0.037153364	0.468612303
HIST1H4J	METTL1	0.002862693	0.630803693
SERPINA1	METTL1	0.036828603	-0.469321795
EIF4BP6	METTL1	0.003872671	0.61540953
C6orf141	METTL1	0.005967194	0.591943219
IL27	METTL1	0.023340929	-0.504375487
ZNF165	METTL1	2.79E-04	0.727322655
ZNF720	METTL1	0.013509763	0.542259867
MRPL21	METTL1	0.003968769	0.614125728
UAP1L1	METTL1	0.036710176	-0.469581728
BNIP3P1	METTL1	0.020759221	0.512852504
OR8S1	METTL1	1.97E-04	0.739023868
ADARB1	METTL1	0.022582978	0.506783638
ZNF860	METTL1	0.006378889	0.588159985
DCHS2	METTL1	0.04252962	0.457512604
GGT3P	METTL1	1.88E-04	0.740588227

IPP	METTL1	0.005635362	0.595152018
GSTK1	METTL1	0.007684579	0.577356668
HIST1H2BH	METTL1	0.011191389	-0.554388766
ZNF628	METTL1	0.017065355	-0.526578176
LINC00477	METTL1	0.007358396	0.57990556
MIB2	METTL1	0.003395873	-0.622199757
ATG7	METTL1	0.034011019	-0.475691051
RAB40C	METTL1	0.002538168	-0.636718413
TOPORS	METTL1	0.026101028	0.496098209
DMBX1	METTL1	0.001023607	0.677801921
ENPP1	METTL1	0.041546589	0.45945759
MPEG1	METTL1	0.014471941	-0.537716514
DPP4	METTL1	0.003766565	0.616858057
PDCD1LG2	METTL1	0.030930073	0.483145773
DNAH10	METTL1	0.017199178	-0.526041288
SPTAN1	METTL1	0.018171137	0.522239008
KLHL14	METTL1	1.39E-04	0.750197291
PTMAP2	METTL1	0.004839471	0.603534557
PSAP	METTL1	0.035240245	-0.472863644
RPL37A	METTL1	2.00E-06	0.850784305
CFD	METTL1	0.020148946	-0.514978013
OCLN	METTL1	0.009583728	0.56405867
HIST1H2BF	METTL1	0.021411563	-0.510634762
SLC22A20	METTL1	0.027977976	-0.490856326
FAM212B	METTL1	0.006082277	-0.590864618
SGTB	METTL1	0.001763793	0.653911407
FAM49A	METTL1	0.045840185	-0.45120751
ADH5	METTL1	0.025555696	0.497676823
HIST1H4K	METTL1	0.021810041	-0.50930636
RPL12	METTL1	2.61E-04	0.729650985
C1orf122	METTL1	0.008193498	-0.573551097
SNHG12	METTL1	7.49E-04	0.690620572
IRAK4	METTL1	0.045599045	0.45165471
MRPL42	METTL1	0.026343138	0.495405686
ZNF560	METTL1	0.003855514	0.615641504
RPS4X	METTL1	5.86E-05	0.77566072
ZNF273	METTL1	2.64E-06	0.845773758
ZNF84	METTL1	0.038801133	0.465084951
MAK16	METTL1	1.80E-04	0.742090552
SIRPA	METTL1	7.92E-04	-0.688350678
PRIM1	METTL1	7.28E-04	0.691773585
ZBTB14	METTL1	4.41E-04	0.710972832
CD2AP	METTL1	0.001348811	0.66594749
ZNF649	METTL1	9.00E-04	0.683179772
TOR4A	METTL1	0.002648797	-0.634634744
HIBCH	METTL1	0.005180716	0.599810943
ZNF544	METTL1	0.009345558	0.565601529
ZNF770	METTL1	0.001532104	0.660294816
HMG5	METTL1	0.004431701	0.608279629
MIER1	METTL1	0.010747701	0.556938501
SVIP	METTL1	1.22E-04	0.754195918
DDRGK1	METTL1	0.006519613	-0.586912766
ZXDA	METTL1	0.044497162	0.45372164
RPS6KL1	METTL1	0.047833801	0.447577921

CSF2RA	METTL1	0.026577859	-0.494739073
RPL23A	METTL1	8.46E-05	0.765228592
UBL5	METTL1	0.001571823	0.659145412
TMEM116	METTL1	0.027986395	0.490833444
SDAD1	METTL1	0.029904012	0.485757536
FAM109A	METTL1	0.003127416	-0.626379285
TMEM239	METTL1	0.034838322	0.473779549
HYLS1	METTL1	0.0234455	0.504048129
ZNF442	METTL1	0.02218884	0.508061318
ZNF813	METTL1	0.002313255	0.641199519
GFPT1	METTL1	0.039104212	0.464448864
UVRAG	METTL1	9.79E-04	0.679662886
ZNF26	METTL1	0.002531702	0.636842526
ZNF568	METTL1	0.011811104	0.55096117
ZXDB	METTL1	0.004176586	0.61143513
CYP21A2	METTL1	0.010297997	-0.55961147
ZNF480	METTL1	0.002241103	0.642714164
GPN1	METTL1	4.90E-04	0.70705571
ZNF627	METTL1	0.01518898	0.534486296
TLK1	METTL1	0.001776728	0.653576217
LRBA	METTL1	0.016226606	0.530022219
COPS8	METTL1	0.032450994	0.479396541
PPIAP22	METTL1	0.009215234	0.566459354
FAM3D	METTL1	0.014869607	-0.535909566
TAT	METTL1	9.72E-04	0.67995836
PAPSS2	METTL1	0.047141282	-0.448825325
CEP290	METTL1	0.015309623	0.533954909
MT-CO2	METTL1	0.037999753	-0.466785614
ECI2	METTL1	0.004278415	0.610156993
GPATCH3	METTL1	0.002663883	0.634356253
GATSL2	METTL1	0.008863631	-0.568824001
RPL10A	METTL1	2.34E-04	0.733326022
MT-ND2	METTL1	0.018859993	-0.519641514
SYCP1	METTL1	0.007698323	0.577251225
FAM169A	METTL1	0.002152886	0.644622446
ZNF830	METTL1	5.28E-06	0.832462956
MT-ND5	METTL1	0.005633644	-0.59516903
CNOT7	METTL1	5.50E-08	0.902036964
MTOR	METTL1	0.028487857	0.489480314
BRINP2	METTL1	1.97E-04	0.739023868
MT-CO1	METTL1	0.005670055	-0.594809378
FOXJ3	METTL1	0.011118474	0.55480209
INPP5F	METTL1	0.027555949	0.492010248
DENND4B	METTL1	0.038182242	-0.466395912
KTI12	METTL1	0.007574571	0.57820624
CD3E	METTL1	0.001711011	0.655300895
RUSC2	METTL1	0.011385652	-0.553298116
TSEN15	METTL1	0.041324429	0.459902066
TYW1	METTL1	0.002815813	0.631622443
MT-ND1	METTL1	9.19E-04	-0.682298704
PRMT6	METTL1	0.005205741	0.599545918
CAPZA2	METTL1	0.025314499	-0.498383527
TOP1	METTL1	0.016968396	0.52696928
MAP3K3	METTL1	0.001352173	-0.66583814

RPL39	METTL1	1.10E-04	0.757446421
NOS1AP	METTL1	0.039880561	-0.462836761
GPRASP1	METTL1	6.60E-04	0.695611971
ZFP2	METTL1	0.016263343	0.529868419
L3MBTL3	METTL1	5.84E-05	0.775735477
DMD	METTL1	0.001173472	0.671995581
NAGA	METTL1	0.002694368	-0.633797488
PJA2	METTL1	0.006203759	0.589744073
SGMS1	METTL1	0.044987958	0.452796186
MIR324	METTL1	0.010925767	0.555905139
MIRLET7A1	METTL1	0.011278189	0.553899565
RNU5A-1	METTL1	4.17E-05	0.784838208
SNORD104	METTL1	1.85E-04	0.741138761
RNA5SP383	METTL1	0.035032154	-0.473336822
RNU1-134P	METTL1	0.013762299	-0.541042798
RNU6-490P	METTL1	0.001537011	0.660151486
SNORA73B	METTL1	1.64E-05	0.808036056
RNA5SP393	METTL1	0.00871869	0.569821074
SNORA38B	METTL1	0.002328349	0.640887646
RNU6-1099P	METTL1	0.013311811	0.543226765
SNORA33	METTL1	2.03E-04	0.738121198
RNU6-226P	METTL1	0.041075033	-0.46040324
RNU4-1	METTL1	5.26E-04	0.704405307
RNU6-595P	METTL1	0.021185616	-0.511396748
SNORA74A	METTL1	6.51E-05	0.772724231
RNY1	METTL1	7.76E-05	0.767720675
RNA5S9	METTL1	1.97E-04	0.739023868
RNU6-343P	METTL1	0.001149414	0.67288391
RN7SKP78	METTL1	0.032680369	-0.478843103
RNU6-1240P	METTL1	1.47E-05	0.810525724
RN7SK	METTL1	2.95E-04	0.725474065
RNU6-8	METTL1	0.004534101	0.607055176
RN7SKP230	METTL1	0.016555802	0.528653853
VTRNA1-3	METTL1	7.76E-05	0.767720691
RNU4-2	METTL1	2.02E-06	0.85063253
ZNF525	METTL1	0.001123197	0.673869958
BTBD7P1	METTL1	0.040715084	0.46113074
RBMS3-AS2	METTL1	9.20E-04	0.682272132
MRPS18B	METTL1	0.014639553	0.536950094
CHML	METTL1	0.002691545	0.633849005
C1orf53	METTL1	0.00531979	-0.598351205
SAMD5	METTL1	4.38E-06	0.8361783
CENPW	METTL1	0.009062724	0.567475847
FAM229B	METTL1	0.025017721	0.499260422
FANK1	METTL1	1.23E-05	0.814566834
HIST2H2BC	METTL1	0.033219038	-0.477555238
CHIAP2	METTL1	0.016817365	0.527582076
PCMTD2	METTL1	0.004022829	0.613414792
CYP17A1-AS1	METTL1	0.010051475	0.561117219
KHDC3L	METTL1	1.97E-04	0.739023868
LIPN	METTL1	0.009284613	-0.566001459
LINC00963	METTL1	0.006537628	-0.586754701
SYS1	METTL1	0.009149769	0.566893989
MAFB	METTL1	0.014286442	-0.538573092

TRAF3IP1	METTL1	0.002081263	0.646220443
CHIC1	METTL1	0.024892782	0.499632039
NAP1L6	METTL1	0.01170032	0.551563046
GIGYF2	METTL1	0.035345011	0.472626242
NHSL2	METTL1	0.002989979	-0.628635659
GGTA1P	METTL1	0.025327574	-0.498345083
PHACTR4	METTL1	0.014744961	-0.536471716
ASAH2B	METTL1	0.024792787	0.499930528
CXorf65	METTL1	0.008346042	0.572448065
LRRC37A5P	METTL1	1.01E-05	0.818832837
ZDBF2	METTL1	1.15E-05	0.816027032
PFDN6	METTL1	0.00925262	0.566212264
RING1	METTL1	0.001488952	0.661572292
HLA-DOA	METTL1	0.016508063	0.528850929
HNRNPCP2	METTL1	0.032981857	0.47812027
COL5A2	METTL1	0.002986301	0.628697225
TAP2	METTL1	0.023179466	0.504883233
HLA-DQA2	METTL1	0.025978868	0.496449557
COL15A1	METTL1	0.012303217	-0.548341539
NOTCH4	METTL1	0.007726373	-0.577036505
AGER	METTL1	0.020434982	0.513975498
SMIM5	METTL1	0.029171647	-0.487665054
STK19	METTL1	4.57E-04	0.709679373
DXO	METTL1	0.007499053	0.578795314
C6orf48	METTL1	3.64E-04	0.717990905
CASP12	METTL1	0.004133957	0.61197787
MBD5	METTL1	0.033211427	0.47757332
CSNK2B	METTL1	0.014774742	0.536337056
APOM	METTL1	0.021806418	0.509318352
TRIM64	METTL1	0.010533478	0.558200254
NCR3	METTL1	0.024276922	0.501485701
LTB	METTL1	0.017951398	0.523084134
ZNF551	METTL1	0.016003115	0.530963943
ABCF1	METTL1	0.004297138	0.609924736
PRR3	METTL1	0.028887162	0.488416172
LILRB3	METTL1	0.026278657	-0.495589633
TRIM39	METTL1	1.89E-05	0.804678952
ZNF616	METTL1	0.047396099	0.448364708
HLA-J	METTL1	0.020662127	0.513187317
HLA-G	METTL1	0.038242677	0.466267173
TBC1D8	METTL1	0.010639194	-0.55757502
AKT1S1	METTL1	0.020933355	-0.512255145
OR2H1	METTL1	0.004088827	0.612557509
RANBP17	METTL1	0.033258564	-0.477461383
FAM216A	METTL1	0.032789694	0.478580391
IGFL4	METTL1	0.01804422	0.522726135
MZT1	METTL1	6.62E-06	0.82788567
TRIM13	METTL1	0.001384313	0.664804233
TMEM231	METTL1	0.029210103	0.48756396
C2orf91	METTL1	0.009535546	0.564368253
CCNI2	METTL1	7.07E-04	0.692932194
TRIQQ	METTL1	0.040573316	-0.461418638
ARID3C	METTL1	0.010399818	0.558998084
SLC10A5P1	METTL1	0.042009289	0.458537731

ZBTB10	METTL1	0.006737494	0.585024603
C4orf46	METTL1	0.003719515	0.617511217
PDE7A	METTL1	0.039012643	0.464640642
SARNP	METTL1	6.69E-07	0.868898385
IPO7	METTL1	0.00858453	0.570756094
NAP1L4	METTL1	0.024298086	0.501421386
TMSB4X	METTL1	0.023674748	0.503334497
TMEM256	METTL1	0.007892145	0.575780384
CPT1B	METTL1	0.006495582	-0.58712418
HMGN1	METTL1	1.90E-04	0.740347517
DENND6B	METTL1	4.22E-04	-0.712590503
LCMT1	METTL1	9.09E-04	0.682758703
ADARB2-AS1	METTL1	0.004362826	0.609116421
ITSN1	METTL1	0.024681817	-0.500262893
ITPRIPL2	METTL1	0.014511496	-0.537535004
LINC00487	METTL1	0.003956147	0.614292867
TTC23L	METTL1	0.006347914	0.58843754
NANOGNB	METTL1	4.39E-04	0.711179363
ZNF316	METTL1	0.012491533	-0.547361478
ONECUT3	METTL1	0.005321559	0.598332846
OLIG2	METTL1	0.028932637	-0.488295717
HSP90AB2P	METTL1	2.05E-04	0.737787528
NYNRIN	METTL1	0.012103045	-0.549396693
DNAJC19	METTL1	2.62E-04	0.729487834
DEFA1	METTL1	1.97E-04	0.739023868
TMEM211	METTL1	0.005355774	-0.59797864
SERPINB5	METTL1	2.08E-04	0.737245719
HNRNPA1P4	METTL1	0.017708675	0.524027322
B3GALT4	METTL1	0.010131433	-0.560625583
VPS52	METTL1	0.044911899	0.452939094
HLA-H	METTL1	0.016252875	0.529912215
RAB12	METTL1	0.0179443	0.523111571
HLA-A	METTL1	0.001165578	0.672285343
ANKRD28	METTL1	0.008390499	0.572129696
COLQ	METTL1	0.023138726	-0.505011787
SNORD60	METTL1	3.99E-05	0.785966156
SNORD116-17	METTL1	8.68E-04	0.684651792
SNORD101	METTL1	8.14E-04	0.68726888
RNU6-701P	METTL1	9.32E-04	0.681718793
SNORA5A	METTL1	9.27E-04	0.681942657
SNORA70F	METTL1	0.001175182	0.671933031
RNU6-4P	METTL1	1.97E-04	0.739023868
SNORD59A	METTL1	6.93E-05	0.770961965
SNORD116-13	METTL1	0.001871569	0.651179123
SNORD116-15	METTL1	1.97E-04	0.739023868
SNORD116-5	METTL1	5.50E-06	0.8316513
RNU6-83P	METTL1	0.019075927	0.518842883
SNORD15B	METTL1	0.002371882	0.639997576
SNORD116-19	METTL1	0.001261281	0.668878179
SNORA19	METTL1	0.024241745	0.5015927
MIR25	METTL1	5.86E-05	0.775656415
MIR649	METTL1	0.01530343	0.533982106
MIR93	METTL1	0.016268913	0.529845123
MIR550A1	METTL1	0.03986826	-0.462862113

MIR223	METTL1	0.033361743	-0.47721679
MIR30C1	METTL1	0.040670437	0.461221324
MIR23A	METTL1	0.035488533	-0.472301905
MIR320A	METTL1	0.049691797	0.444298299
SNORD78	METTL1	2.75E-05	0.795508473
MT-TL1	METTL1	0.035205759	0.472941912
SNORD83A	METTL1	0.029072544	0.487926056
MT-RNR2	METTL1	0.027307602	-0.492695805
MT-TM	METTL1	0.049709783	0.444267015
MT-TA	METTL1	0.005324935	0.59829781
MT-TN	METTL1	0.033705641	0.476405803
MT-TC	METTL1	0.035597551	0.472056223
MT-TY	METTL1	0.018535425	0.520855767
MT-TS1	METTL1	0.02681845	0.494060592
MT-TK	METTL1	5.50E-06	0.8316513
MT-TE	METTL1	0.008588902	0.57072544
GNRHR2	METTL1	7.95E-04	0.688213094
AKR7L	METTL1	0.001363664	0.665466144
MT-RNR1	METTL1	0.035310123	-0.472705238
TSN	METTL1	1.12E-04	0.757020365
IGKJ3	METTL1	0.00996804	0.561633634
IGKV5-2	METTL1	0.028576624	0.489242744
IGKV3D-20	METTL1	0.032644889	0.478928511
IGKV3D-11	METTL1	0.032475297	0.479337759
IGLV4-69	METTL1	0.011385671	0.553298015
IGLV4-60	METTL1	3.47E-05	0.789629873
IGLV10-54	METTL1	0.015603369	0.532674998
IGLV1-51	METTL1	3.46E-05	0.78973416
IGLV1-50	METTL1	0.013080052	0.544373642
IGLV5-45	METTL1	0.004626619	0.605968372
IGLV7-43	METTL1	0.00576633	0.593867463
IGLV5-37	METTL1	0.001061595	0.676265553
IGLV2-33	METTL1	1.97E-04	0.739023868
IGLV3-19	METTL1	0.001544151	0.65994358
IGLV3-16	METTL1	0.020721147	0.512983649
IGLV4-3	METTL1	0.014112458	0.539384677
TRBV4-1	METTL1	0.010834326	0.556434076
TRBV6-6	METTL1	2.67E-04	0.728840967
TRBV5-5	METTL1	0.025990197	0.496416919
TRBV5-6	METTL1	0.0173109	0.52559562
TRBV5-1	METTL1	3.91E-04	0.715373789
TRBV4-2	METTL1	0.03404565	0.47561031
TRBV19	METTL1	8.86E-04	0.683795881
TRBV20-1	METTL1	0.009568842	0.564154178
TRBV24-1	METTL1	0.027234066	0.492899743
TRBV25-1	METTL1	0.003288795	0.623832732
TRBV27	METTL1	2.69E-05	0.796095565
TRBJ2-2P	METTL1	2.94E-04	0.725600884
TRBJ2-3	METTL1	1.68E-05	0.807411481
TRBJ2-4	METTL1	1.80E-05	0.805858423
TRBC2	METTL1	0.00630248	0.588846668
TRAV2	METTL1	0.038656041	0.465390828
TRAV13-2	METTL1	0.008628239	0.570450165
TRAV9-2	METTL1	0.015356005	0.533751507

TRAV12-3	METTL1	0.008033727	0.574724515
TRAV16	METTL1	0.047069883	0.44895473
TRAV19	METTL1	0.019063299	0.518889388
TRAV21	METTL1	0.012180456	0.548986981
TRAV23DV6	METTL1	0.013248884	0.543536563
TRAV27	METTL1	0.008980776	0.568027803
TRAV29DV5	METTL1	3.74E-04	0.716984711
TRAV35	METTL1	0.013076553	0.544391083
TRAV39	METTL1	8.12E-04	0.687351959
TRAV41	METTL1	0.038075623	0.466623421
IGHD	METTL1	0.03016952	0.485075047
IGHM	METTL1	0.001562364	0.659416896
IGHJ6	METTL1	0.033818225	0.476141708
IGHD5-12	METTL1	0.012099581	0.549415075
IGHV1-2	METTL1	0.006757465	0.584854048
IGHV1-3	METTL1	0.044316303	0.454064655
IGHV3-7	METTL1	0.020273057	0.514541639
IGHV3-11	METTL1	0.030074158	0.485319631
IGHV3-13	METTL1	0.001384648	0.664793552
IGHV3-21	METTL1	0.005764089	0.59388924
IGHV3-30	METTL1	0.034297443	0.475025197
IGHV3-38	METTL1	3.55E-04	0.718914971
IGHV3-48	METTL1	0.009412841	0.565162456
IGHV3-49	METTL1	0.009703523	0.563294403
IGHV3-73	METTL1	0.005258598	0.598989563
IGHV7-81	METTL1	0.022739168	0.506282208
SNORD91A	METTL1	0.047115675	-0.448871719
SNORD17	METTL1	0.019955938	0.515660899
SNORD19	METTL1	0.020683291	0.513114228
RNA5SP354	METTL1	0.005575228	0.59575007
SNORA26	METTL1	7.50E-04	0.690563145
RNU6-876P	METTL1	1.97E-04	0.739023868
SNORA45	METTL1	4.72E-04	0.708474095
C17orf100	METTL1	0.002852829	0.630975045
HMG2P8	METTL1	0.044628711	0.453472822
RNF208	METTL1	0.044165762	-0.454350991
RPS26P6	METTL1	0.003643358	0.618583103
COX20P1	METTL1	0.002014197	0.647759023
AURKAPS1	METTL1	0.037348275	0.4681888
SCAF8	METTL1	0.020305254	0.514428782
PDCL3P5	METTL1	1.23E-04	0.753946184
ZNF254	METTL1	0.037309715	0.468272447
TCTEX1D2	METTL1	6.36E-04	0.697084174
RPL12P38	METTL1	0.007556557	0.578346321
EEF1A1P16	METTL1	2.63E-04	0.729445987
NRAS	METTL1	0.003236265	0.624650031
QTRT1	METTL1	6.10E-04	0.698689144
RPS3P6	METTL1	5.84E-04	0.700388437
YBX2P1	METTL1	0.037821797	-0.46716704
H2AFZP1	METTL1	0.024669061	-0.500301175
SIPA1	METTL1	0.029419636	-0.487014973
SYNJ2BP	METTL1	0.025307538	0.498404001
NT5C3AP1	METTL1	5.81E-04	0.700574739
GBP7	METTL1	0.027452168	0.492296139

RBMXL1	METTL1	2.33E-04	0.733452748
DNAJC9	METTL1	3.69E-05	0.788066146
RPLP0P6	METTL1	0.002542478	0.636635824
C8orf82	METTL1	0.007931695	-0.575483883
ZBTB9	METTL1	0.002992324	0.628596455
TMX2	METTL1	0.018181023	0.522201178
LEPROT	METTL1	4.36E-04	-0.711403914
ADAT3	METTL1	0.007756374	-0.576807551
SLC35F6	METTL1	0.001533169	-0.660263686
PIGCP1	METTL1	0.010052277	-0.561112271
FAM209B	METTL1	0.04933395	0.444922553
RPS29	METTL1	3.96E-04	0.714981514
CENPBD1P1	METTL1	0.043868649	-0.45491833
ZNF134	METTL1	2.79E-04	0.727415688
GTF2H4	METTL1	0.010118597	0.560704292
PSMC1P2	METTL1	9.86E-04	0.679373089
DDX47	METTL1	0.003944141	0.614452266
ZNF845	METTL1	0.003881982	0.615283995
EEF1B2P2	METTL1	1.97E-04	0.739023868
YBX1P10	METTL1	1.37E-05	0.812124578
NPM1P6	METTL1	6.68E-04	0.695186986
RPL13AP7	METTL1	0.016814764	0.527592666
LTB4R	METTL1	0.003567324	-0.619671961
LTB4R2	METTL1	0.011813483	-0.550948299
GALT	METTL1	0.009681671	0.563433235
RPS10P2	METTL1	1.97E-04	0.739023868
NUDT19	METTL1	0.001558549	-0.65952681
ZNF726	METTL1	0.038583795	0.465543466
PGAM1P7	METTL1	0.003384566	0.622370157
RRM2P3	METTL1	0.003036147	-0.62786825
SMIM7	METTL1	0.04989713	-0.443941654
TSPAN4	METTL1	0.014192969	-0.539008122
CPNE1	METTL1	0.017271869	0.525751056
PAXIP1-AS2	METTL1	0.028439054	0.489611176
TPT1P5	METTL1	0.011301109	0.553770901
LDHAP4	METTL1	0.02547503	0.497912584
LYRM4	METTL1	0.001715039	0.655193597
PTMAP5	METTL1	1.71E-04	0.74376943
EEF1A1P12	METTL1	0.002443431	0.638563848
HNRNPA1P43	METTL1	1.97E-04	0.739023868
C19orf38	METTL1	0.003109672	-0.6266659
C12orf74	METTL1	0.013431504	0.542640753
FIS1	METTL1	3.37E-05	0.790344556
RPSAP53	METTL1	8.12E-05	0.766405368
SPDYE3	METTL1	0.033527493	0.476825104
HAUS3	METTL1	7.31E-05	0.769409044
LCNL1	METTL1	0.026126806	-0.496024234
NOTO	METTL1	4.36E-06	0.836285118
RPS15AP1	METTL1	9.65E-04	0.680286423
RPS4XP3	METTL1	5.50E-06	0.8316513
C17orf98	METTL1	0.006498617	0.587097437
RPSAP6	METTL1	0.036370604	0.470330681
ZSWIM8	METTL1	0.018513878	-0.520936976
IFRD2	METTL1	0.002521019	0.63704816

HNRNPUL2	METTL1	0.001718983	0.655088738
MTCP1	METTL1	0.014982263	0.535404737
UPF3AP2	METTL1	7.29E-04	0.691696537
APOC1P1	METTL1	0.004779488	0.604211341
OR7E5P	METTL1	1.97E-04	0.739023868
ZSWIM7	METTL1	8.39E-04	0.686027408
DNAJA1P3	METTL1	1.97E-04	0.739023868
PHB2	METTL1	0.034831894	0.473794264
TTC3P1	METTL1	0.006245159	0.589366318
UBXN2B	METTL1	0.031093292	-0.482736595
YWHAZP6	METTL1	0.023135105	0.505023223
FASTKD5	METTL1	0.032753199	0.478668015
DDX3X	METTL1	0.008993938	0.567938878
MYL5	METTL1	0.022975025	-0.505530166
ZNF407	METTL1	4.35E-04	0.711491427
NPEPL1	METTL1	0.049981071	-0.44379618
HNRNPA1P7	METTL1	0.007510552	0.578705307
TMEM242	METTL1	0.001102373	0.674667083
TNFRSF25	METTL1	0.021470406	0.510437368
TSTD1	METTL1	3.64E-05	0.788392926
NBPF7	METTL1	0.007669044	0.577476034
MMP23A	METTL1	0.010428752	-0.558824671
RPL10P1	METTL1	0.00121583	0.670468138
HMGB1P17	METTL1	5.50E-06	0.8316513
ADAMTS7P4	METTL1	0.003284804	0.623894438
MORF4L1P1	METTL1	0.032442782	0.479416413
HNRNPA1P1	METTL1	0.041398786	0.459753096
RAET1K	METTL1	0.021619538	0.509939011
GAPDHP63	METTL1	1.97E-04	0.739023868
ZNF579	METTL1	0.029091441	-0.487876234
IGKV1OR2-118	METTL1	0.014399233	-0.5380512
HNRNPA3P12	METTL1	0.045838435	0.45121075
HMGB1P20	METTL1	0.020098462	0.515156125
RPS20P2	METTL1	0.040969826	0.460615363
NBPF1	METTL1	0.018376327	0.521457183
PPIAP9	METTL1	4.80E-05	0.781099375
ZSCAN12P1	METTL1	0.047313341	0.448514096
RPL12P8	METTL1	0.002147213	0.644747387
RPL21P28	METTL1	0.013800677	0.540859416
RNU6ATAC7P	METTL1	0.018261525	0.521893745
SNORD99	METTL1	0.001746731	0.654356709
MIR1225	METTL1	2.60E-04	0.729841339
SNORA11	METTL1	0.027992467	0.490816946
EBF2	METTL1	0.011301107	0.553770907
CEBPD	METTL1	0.005053217	-0.601177855
ARIH2OS	METTL1	0.037914938	0.466967231
PPP2R2A	METTL1	0.004953192	0.60227025
ZNF880	METTL1	0.04234183	0.457881456
TIGD1	METTL1	0.011986873	0.550015549
FADS3	METTL1	0.019777092	0.516298392
TTC4P1	METTL1	0.03194641	0.480624856
UBA52	METTL1	3.47E-04	0.719707722
ZNF630	METTL1	0.003695056	0.61785347
RAB6C	METTL1	0.04043954	0.461691019

RNU4-62P	METTL1	0.043460172	-0.455703173
RN7SKP110	METTL1	0.032817179	0.478514453
RNA5SP115	METTL1	5.67E-04	0.701524551
RN7SKP252	METTL1	0.006330737	0.588591935
RNU6-1199P	METTL1	0.007092913	0.582049298
RNA5SP221	METTL1	3.81E-05	0.787197899
RNU6-195P	METTL1	0.00907493	-0.567393981
RNY3P8	METTL1	1.13E-05	0.816521488
RN7SKP273	METTL1	0.029578589	0.486600552
RNU2-6P	METTL1	0.032759557	0.478652744
IGLV9-49	METTL1	0.001341318	0.666191995
HLA-U	METTL1	0.006359257	0.588335768
FBXW7	METTL1	0.001434834	0.663219098
DDR1-AS1	METTL1	0.043167429	0.456269153
KIF28P	METTL1	0.021370423	-0.510773024
EEF1A1P8	METTL1	0.011380339	0.553327745
ZNF844	METTL1	0.007758874	0.576788503
TMSB4XP4	METTL1	0.033262124	0.477452933
TVP23CP1	METTL1	0.003625188	0.618841595
AK4P4	METTL1	0.011524867	0.552525759
LINC01044	METTL1	0.004779488	0.604211341
IGHV3-64	METTL1	1.25E-04	0.753616339
EEF1A1P24	METTL1	0.022299967	0.507699264
MED15P9	METTL1	0.00225544	0.642409982
ENTPD3-AS1	METTL1	0.004851839	0.603395879
RPS20P14	METTL1	0.003403394	0.622086672
EEF1A1P1	METTL1	0.03150331	0.481716085
TRIM26BP	METTL1	0.006234827	0.589460402
NBEAP3	METTL1	1.97E-04	0.739023868
ASS1P2	METTL1	0.013889292	-0.540437556
RPL3P2	METTL1	0.004078397	0.612692221
EPB41L4A-AS1	METTL1	4.99E-04	0.706369966
SNHG14	METTL1	0.002377385	0.639886019
RPS24P8	METTL1	0.007127456	0.581766693
HCG20	METTL1	0.025338944	-0.498311663
ASH2LP1	METTL1	0.004164094	0.611593694
DNAJC27-AS1	METTL1	0.015574196	0.532801243
PHEX-AS1	METTL1	1.97E-04	0.739023868
LINC00466	METTL1	1.97E-04	0.739023868
WARS2-IT1	METTL1	0.005991874	0.591710478
ANKRD30BP2	METTL1	0.021924395	0.508928702
CDKN2AIPNLP3	METTL1	1.97E-04	0.739023868
OACYLP	METTL1	0.014983847	0.53539766
IGHV4-59	METTL1	0.015280303	0.534083743
LINC00572	METTL1	1.97E-04	0.739023868
STK24-AS1	METTL1	0.003343288	-0.622996267
HLA-K	METTL1	0.005581764	0.595684807
PPIAP10	METTL1	1.96E-04	0.739220571
EIF4BP3	METTL1	0.001874141	0.651115545
LINC01087	METTL1	0.004779487	0.604211344
LPP-AS1	METTL1	0.013417819	0.542707537
FAM96AP2	METTL1	0.004232831	0.610726008
HNRNPA1P48	METTL1	1.91E-05	0.804375186
BMS1P12	METTL1	0.027768632	0.491426998

HCG18	METTL1	0.009232693	0.566343859
IGHV3-74	METTL1	0.035744592	0.471725781
EIF3EP2	METTL1	6.96E-05	0.77082713
NPIPA3	METTL1	0.004362826	0.609116422
LINC00265-2P	METTL1	1.09E-05	0.817201174
OR2X1P	METTL1	0.031502819	0.481717301
MTND5P24	METTL1	0.0166271	0.528360365
LINC00863	METTL1	0.007122568	-0.581806615
LINC00184	METTL1	0.011015952	0.555386977
KCNC4-AS1	METTL1	0.019122144	0.518672889
EIF4BP7	METTL1	0.039461845	0.463703181
HMGB3P22	METTL1	3.54E-04	0.718948105
SETP20	METTL1	0.049768805	0.444164411
OR52K3P	METTL1	0.01463188	-0.536985022
PSME2P2	METTL1	0.002975829	0.628872847
AATK-AS1	METTL1	0.003349848	0.62289633
PLEKHM1	METTL1	0.001463143	-0.662351267
HSPA7	METTL1	0.03055373	-0.484095727
ZNRF2P2	METTL1	0.035491292	-0.472295679
RAB6C-AS1	METTL1	1.50E-04	0.747778633
ZNF70P1	METTL1	0.012517155	0.547229054
JPX	METTL1	0.001527733	0.660422825
IGKV6D-21	METTL1	0.010226483	0.560045235
RPL35P5	METTL1	4.21E-04	0.712673068
ZNF469	METTL1	0.003844072	-0.615796679
SBDSP1	METTL1	0.003642769	0.618591478
HNRNPA1P35	METTL1	0.022648841	0.506571859
SLC26A6	METTL1	2.21E-04	-0.735200148
LINC00694	METTL1	0.032210622	-0.479979806
MTND1P23	METTL1	0.009265692	0.56612606
PPIAP21	METTL1	5.50E-06	0.8316513
LINC00937	METTL1	0.037900116	-0.466999002
BAIAP2-AS1	METTL1	0.014265056	-0.538672422
TRGV6	METTL1	0.007458992	-0.579109777
RPL37AP1	METTL1	0.043332961	-0.455948756
C12orf77	METTL1	0.02132866	0.510913598
TPI1P1	METTL1	0.011571331	0.552269663
SLC16A1-AS1	METTL1	0.013010663	0.54472021
FTOP1	METTL1	0.018389056	-0.521408912
RPS7P10	METTL1	1.97E-04	0.739023868
RPL7P37	METTL1	1.97E-04	0.739023868
TRBV2	METTL1	0.003005375	0.628378654
PWWP2AP1	METTL1	0.018556656	0.520775822
MICD	METTL1	0.01963142	0.51682104
PSMD5-AS1	METTL1	8.20E-04	0.686986741
HNRNPA3P1	METTL1	2.16E-06	0.849383256
CT45A6	METTL1	0.016988015	0.526889999
ALG1L5P	METTL1	6.09E-04	0.698779147
DANCR	METTL1	0.024273468	0.501496202
IL6STP1	METTL1	1.97E-04	0.739023868
RPL41P1	METTL1	2.37E-04	0.732891245
ST7-AS1	METTL1	0.022139383	-0.50822291
ELL2P1	METTL1	0.009860671	-0.562303374
IGHJ1P	METTL1	0.004726713	0.604812601

RBM26-AS1	METTL1	0.011981969	0.550041779
HPN-AS1	METTL1	0.027586788	0.491925457
SCAMP4	METTL1	0.015439518	-0.533386519
RPL7P6	METTL1	0.012288876	0.548416671
RPS3AP53	METTL1	0.03827518	0.466198
CLYBL-AS2	METTL1	0.046602308	0.449805929
CYCSP24	METTL1	0.001523714	-0.660540823
LINC00355	METTL1	2.19E-04	0.735570826
RD3L	METTL1	0.035068671	-0.473253629
SLC9A7P1	METTL1	0.037147784	-0.468624453
RPS26P13	METTL1	1.09E-05	0.817201174
NPM1P22	METTL1	1.97E-04	0.739023868
TOP3BP1	METTL1	0.003948287	0.614397171
RPL7P47	METTL1	7.08E-04	0.692889644
IFNA14	METTL1	0.012311158	0.54829997
HNRNPA1P21	METTL1	0.011386606	0.5532928
ORM2	METTL1	0.006465739	-0.587387612
ITPKB-IT1	METTL1	4.63E-04	0.709157684
LINC00687	METTL1	1.97E-04	0.739023868
OST4	METTL1	0.005118805	0.600471186
GRK5-IT1	METTL1	2.73E-04	0.728096611
LINC01013	METTL1	2.59E-04	0.729933851
RPL15P18	METTL1	8.70E-05	0.764391984
EEF1A1P11	METTL1	0.010389904	0.559057598
HK2P1	METTL1	0.002186273	0.643892671
DHFR	METTL1	0.015662977	0.532417642
LINC01128	METTL1	1.08E-04	0.758075105
MTND1P9	METTL1	0.006518318	0.586924142
DUTP1	METTL1	0.016444197	0.529115295
PSMA6P2	METTL1	0.00726316	0.580667183
ANKRD20A8P	METTL1	0.014162265	0.53915152
RPL41	METTL1	1.07E-05	0.817686087
TRAC	METTL1	0.023348821	0.504350738
TRBV7-8	METTL1	0.00506783	0.601019749
LINC00242	METTL1	9.80E-05	0.760896333
TUBB8P1	METTL1	0.037280025	0.468336898
ORM1	METTL1	0.034383147	-0.474826805
HYI-AS1	METTL1	0.014524679	0.537474598
DPY19L1P1	METTL1	0.009002209	0.567883046
LINC00452	METTL1	0.003587172	0.619385884
NPM1P25	METTL1	0.002862453	0.630807863
HNRNPA1P53	METTL1	4.02E-04	0.714363358
RPL4P4	METTL1	0.004004336	0.613657099
ZNF492	METTL1	5.18E-04	0.70501095
EEF1DP3	METTL1	0.017160846	-0.526194731
SLC25A38P1	METTL1	8.36E-05	0.765574374
RPS15P5	METTL1	4.36E-06	0.836285118
PET100	METTL1	0.00404458	0.613130976
KHSRPP1	METTL1	5.50E-06	0.831651301
OGFR-AS1	METTL1	0.016052606	-0.5307545
RHEBP1	METTL1	0.038621605	-0.465463554
UBBP1	METTL1	0.006090336	0.590789716
ATP5G1P1	METTL1	5.95E-04	0.699662305
RPL4P5	METTL1	0.001684716	0.656006563

HERC2P4	METTL1	0.039156241	-0.464340054
ARMC2-AS1	METTL1	0.028753465	0.488771178
RPL4P3	METTL1	0.015431689	0.53342067
FAM41C	METTL1	0.003310356	0.623500403
LIMD1-AS1	METTL1	0.00727413	0.58057904
RPSAP8	METTL1	2.43E-04	0.732141027
RPS23P8	METTL1	5.73E-04	0.701132708
RGPD4-AS1	METTL1	2.43E-04	0.732039735
CEACAM22P	METTL1	0.004394122	0.608734854
ENO1-AS1	METTL1	0.027420673	0.492383068
VN1R108P	METTL1	0.047104799	0.448891428
STMND1	METTL1	0.025611071	0.497515317
RPL9P8	METTL1	0.036833311	0.469311476
TPT1P7	METTL1	5.50E-06	0.8316513
PRDX3P2	METTL1	0.036758933	-0.469474635
LINC00441	METTL1	0.003596342	0.619254152
DIRC3	METTL1	0.033048716	0.477960673
LINC00574	METTL1	1.99E-06	0.850848427
DBIL5P	METTL1	0.019909397	0.515826355
PPP1R2P3	METTL1	0.001328642	0.666608279
CAP1P2	METTL1	4.19E-04	0.712877064
LINC01063	METTL1	0.021155624	-0.511498378
PNLIPP1	METTL1	1.97E-04	0.739023868
TMA7	METTL1	0.002153671	0.64460518
DYTN	METTL1	0.02514551	-0.498881838
MTND4P24	METTL1	0.027960381	0.490904159
IGHV3-43	METTL1	0.032643676	0.478931433
RPL4P2	METTL1	0.007631175	0.577767849
C9orf172	METTL1	0.036382557	-0.470304226
EEF1B2P3	METTL1	5.43E-05	0.777737671
OSBPL10-AS1	METTL1	0.008759227	0.569540856
GOLGA8N	METTL1	0.001648138	-0.657003718
SPTLC1P4	METTL1	0.042457371	0.457654365
NUTM2HP	METTL1	0.049004098	0.445501052
PET117	METTL1	0.013207841	0.543739262
LYRM9	METTL1	0.014087634	0.53950113
SNHG15	METTL1	2.52E-04	0.730854595
FAM157B	METTL1	0.031129476	-0.482646114
SNHG7	METTL1	0.046654296	0.449710964
EEF1A1P14	METTL1	0.001647326	0.657026062
LINC00884	METTL1	0.048117774	0.447070417
OR7E157P	METTL1	0.005166748	0.599959339
GPX1	METTL1	5.17E-04	-0.705075532
NKAPP1	METTL1	0.041407353	0.459735945
HOTAIRM1	METTL1	0.002208772	-0.643406136
EEF1A1P6	METTL1	6.12E-04	0.698602589
SRGAP2-AS1	METTL1	0.047933955	-0.447398666
DCUN1D2-AS	METTL1	0.003494843	-0.620728013
ZNF90P3	METTL1	1.97E-04	0.739023868
ENOX1-AS1	METTL1	1.97E-04	0.739023868
EIF4HP1	METTL1	0.03902954	0.464605226
ADH5P4	METTL1	5.50E-04	0.702673399
RPS15AP40	METTL1	5.89E-05	0.775506012
RPS28	METTL1	0.003285118	0.623889577

RPS20P10	METTL1	0.011301109	0.5537709
RPSAP14	METTL1	0.003193429	0.62532469
GDI2P2	METTL1	3.29E-04	0.721634776
PAGE2	METTL1	4.62E-04	0.709310698
TPT1P1	METTL1	2.60E-04	0.729841339
RPL7P13	METTL1	0.011301109	0.553770901
BCAS2P2	METTL1	0.004007915	0.613610127
JAZF1-AS1	METTL1	0.04102348	-0.46050713
RNF219-AS1	METTL1	0.023158722	0.504948667
RPL5P7	METTL1	0.004698174	0.605140069
RPL34-AS1	METTL1	0.002425223	0.63892534
FAM133B	METTL1	3.18E-04	0.722795826
HSPA8P20	METTL1	1.97E-04	0.739023868
RAD1P1	METTL1	0.027165434	0.493090471
MAPKAPK5-AS1	METTL1	0.001216763	0.670434992
LINC00624	METTL1	0.004088828	0.612557503
ACTBP13	METTL1	0.003235621	0.624660117
HMGA1P4	METTL1	5.03E-05	0.779829206
GAS5	METTL1	1.64E-04	0.745016936
TPT1P9	METTL1	0.008276546	0.572948527
MORF4	METTL1	6.13E-04	0.698514016
HNRNPUL2-BSCL2	METTL1	0.023295424	0.504518301
LINC01032	METTL1	0.021324415	-0.510927901
EIF3EP1	METTL1	0.004169174	0.611529163
MIR155HG	METTL1	0.0014936	0.661433214
SOX9-AS1	METTL1	0.003933608	0.614592439
FTH1P2	METTL1	0.014735246	0.53651569
LINC00330	METTL1	0.036327219	0.470426762
ZSCAN31	METTL1	0.020390223	0.514131631
KRT18P16	METTL1	1.97E-04	0.739023868
MCF2L-AS1	METTL1	0.01072544	0.557068663
LINC00957	METTL1	8.41E-04	0.685957971
DBF4P1	METTL1	7.34E-04	0.691425017
SNX19P2	METTL1	1.97E-04	0.739023868
RPS2P7	METTL1	0.001698443	0.655637032
LINC00402	METTL1	0.001078068	0.67561369
NFAM1	METTL1	0.001245417	-0.669427568
LINC00494	METTL1	0.035991148	0.471174065
H3F3AP4	METTL1	0.010743157	-0.556965051
KIAA0040	METTL1	2.08E-04	0.737328725
HSP90AB7P	METTL1	1.97E-04	0.739023868
TTC28-AS1	METTL1	0.012015793	0.549861039
VN2R19P	METTL1	0.027701995	0.491609358
MORC2-AS1	METTL1	1.33E-04	0.751682915
HSPB1P1	METTL1	0.012855348	0.545501372
ZBED5	METTL1	0.014228513	0.538842427
BMP6P1	METTL1	0.043573571	0.455484721
RPL5P9	METTL1	0.042656321	0.457264452
NRADDP	METTL1	0.049984477	-0.44379028
PKMP1	METTL1	7.68E-05	0.768008001
HNRNPA1P54	METTL1	0.004771642	0.604300376
RPL13AP5	METTL1	2.45E-05	0.798402237
PITPNA-AS1	METTL1	3.33E-06	0.841429701
LINC00347	METTL1	0.004423062	0.608383995

RPL24P8	METTL1	5.92E-05	0.775368496
BCYRN1	METTL1	0.039462059	0.463702737
CBR3-AS1	METTL1	0.038651507	0.4654004
RPS20P24	METTL1	2.00E-06	0.850779902
LINC00106	METTL1	0.003190204	-0.625375799
DDX11L5	METTL1	0.019372453	-0.517757855
TMSB4XP1	METTL1	1.97E-04	0.739023868
WASF3-AS1	METTL1	1.97E-04	0.739023868
PRMT5-AS1	METTL1	0.007031178	0.582557195
PCNPP4	METTL1	3.15E-04	0.723158115
RPL21P111	METTL1	1.97E-04	0.739023868
CDKN2AIPNL	METTL1	3.68E-04	0.717612928
TRBV30	METTL1	0.002692077	0.633839295
FTH1P11	METTL1	0.004103231	0.612371935
HSPE1P22	METTL1	0.014855695	0.535972119
CDC42P6	METTL1	2.40E-04	0.732461153
NRBF2P3	METTL1	0.011403165	0.553200537
LINC00959	METTL1	0.014284825	0.5385806
RPSAP15	METTL1	2.44E-06	0.847255497
LINC00857	METTL1	0.009305614	0.565863409
IGHJ2P	METTL1	0.02234444	0.507554773
GFOD1-AS1	METTL1	0.024401981	-0.501106304
RPL18AP16	METTL1	1.97E-04	0.739023868
ZEB2-AS1	METTL1	4.14E-04	-0.71330461
RPL9P7	METTL1	0.014202803	0.538962245
GOLGA2P5	METTL1	0.008941266	0.568295393
MKRN4P	METTL1	0.010991487	0.555527203
RNU7-38P	METTL1	0.006513744	0.586964339
SCARNA7	METTL1	0.009153525	0.566868988
SCARNA12	METTL1	6.03E-04	0.69915605
RPL5P22	METTL1	0.047163629	0.448784853
RN7SL546P	METTL1	0.003885611	0.615235129
RN7SL184P	METTL1	0.004088828	0.612557501
RN7SL425P	METTL1	0.005958876	0.592021843
ALKBH6	METTL1	0.026832545	0.49402099
HLA-DOB	METTL1	0.001341414	0.666188855
RN7SL333P	METTL1	0.049426881	-0.444760105
MYLK-AS1	METTL1	0.001961923	0.64898825
IGKV2D-30	METTL1	0.002923829	0.62975259
HLA-L	METTL1	4.47E-04	0.710461057
NME1	METTL1	0.001007992	0.678447396
TNFSF12	METTL1	0.012561079	-0.547002554
CEACAMP3	METTL1	0.016446558	0.529105509
WBP1	METTL1	0.005060344	0.601100698
MRPS17	METTL1	0.022367567	0.507479725
RPL21P39	METTL1	6.68E-06	0.827681531
IGKV1D-8	METTL1	0.002607969	0.635395142
RPS4XP22	METTL1	0.033905966	0.475936365
IGKV1-6	METTL1	0.013497856	0.542317704
IGKV1-37	METTL1	0.001683985	0.656026323
RPP21	METTL1	1.31E-04	0.752201443
ADSL	METTL1	0.00583807	0.593173967
EGFL8	METTL1	0.036547004	0.469940942
LILRA2	METTL1	0.002945994	-0.62937601

CPHL1P	METTL1	0.038055086	-0.466667298
RPS27P29	METTL1	1.97E-04	0.739023868
TCAM1P	METTL1	0.008241817	0.573199903
PPIL3	METTL1	0.010070487	0.561000034
SETP14	METTL1	0.002066328	0.646559437
CDKN2B-AS1	METTL1	0.006436496	0.587646717
RN7SL837P	METTL1	0.020401542	0.514092122
RPL34P17	METTL1	0.035667971	0.471897837
RPL3P9	METTL1	1.97E-04	0.739023868
IGKV1-8	METTL1	9.60E-04	0.680504955
ISY1	METTL1	1.61E-04	0.745529134
IGKV1D-12	METTL1	0.002420486	0.639019754
TMEM189	METTL1	0.001939222	-0.649530618
RDH14	METTL1	1.24E-05	0.814308148
IGKV1-16	METTL1	0.043979597	0.454706128
NDUFB2-AS1	METTL1	0.008508058	0.571294409
NSUN6	METTL1	0.004648442	0.605714642
RPL5P1	METTL1	0.004088828	0.612557501
YAE1D1	METTL1	3.30E-05	0.790884759
RN7SL582P	METTL1	0.004779488	0.604211341
IGKV1D-16	METTL1	0.023144067	0.504994923
RPL36A	METTL1	0.009874422	0.562217273
PDXP	METTL1	0.042844475	-0.456896988
HNF1A-AS1	METTL1	0.046088331	0.450749204
CD302	METTL1	0.005196354	-0.599645207
ATP5J2	METTL1	0.01946765	0.517412325
HSPA8P9	METTL1	0.004779487	0.604211342
PSMC1P1	METTL1	0.03692987	-0.469100042
UGT1A8	METTL1	1.97E-04	0.739023868
TRBV11-2	METTL1	0.029363057	0.487162909
RPL7AP30	METTL1	3.93E-04	0.715181118
ATP5O	METTL1	0.002479272	0.637858776
PLEKHO2	METTL1	0.035394288	-0.472514769
PISD	METTL1	0.023747622	-0.503108794
HOGA1	METTL1	0.00218012	0.644026469
PWP2	METTL1	0.001779272	0.65351054
C2orf15	METTL1	0.036426039	0.470208045
AKAP2	METTL1	9.12E-07	0.864011344
RPS3AP49	METTL1	0.003111649	0.626633905
MTFP1	METTL1	7.43E-05	0.768968517
SNHG3	METTL1	1.03E-04	0.759495984
PSG2	METTL1	0.003822762	0.61608672
C22orf39	METTL1	7.83E-04	0.68884599
PEG10	METTL1	0.035516331	0.472239203
RPL5P3	METTL1	7.02E-04	0.693194055
RPL36AP51	METTL1	0.003465859	0.621155398
IGKV1-39	METTL1	0.035104788	0.473171411
RPL7AP11	METTL1	6.66E-05	0.772054332
KIR2DP1	METTL1	0.030410548	-0.484459551
MRPL20	METTL1	0.021144477	0.511536179
IGKV2D-28	METTL1	0.044509885	0.453697552
IGKV1D-43	METTL1	5.53E-05	0.777259431
GNG10	METTL1	0.043513878	0.455599659
RN7SL317P	METTL1	1.97E-04	0.739023868

RPL5P12	METTL1	5.50E-06	0.8316513
TRBV1	METTL1	0.044591126	0.453543854
RPL23AP81	METTL1	0.003733542	0.617315781
RPS26P21	METTL1	0.004251499	-0.610492367
RN7SL749P	METTL1	8.11E-04	0.687405161
FTH1P23	METTL1	0.017914905	0.523225287
IGKV3-7	METTL1	0.003377773	0.622472751
RN7SL842P	METTL1	0.015913173	0.531345912
MRPL33	METTL1	0.003595886	0.619260707
IGKV2D-29	METTL1	3.33E-04	0.721135036
PRAF2	METTL1	0.008937803	0.56831889
MCCC1-AS1	METTL1	0.002261429	0.642283409
LARP1BP2	METTL1	0.04050278	0.461562168
C4orf48	METTL1	0.004231477	-0.610742993
ZNF487	METTL1	0.017087638	-0.526488547
TTC4	METTL1	0.006185977	0.589906958
RPLP0P2	METTL1	0.010180085	0.560327978
EEF1A1P10	METTL1	0.009401238	0.565237994
JMJD7	METTL1	0.048134665	-0.447040302
OR2A7	METTL1	0.024805002	0.499894014
TIPARP-AS1	METTL1	0.002189173	0.64382973
ZNF512	METTL1	0.045052603	0.45267487
TMEM199	METTL1	0.01275076	0.546031708
IGKV2-28	METTL1	0.006583638	0.586352626
RN7SL59P	METTL1	0.004779488	0.60421134
P2RY11	METTL1	0.007623079	0.577830383
PBX2P1	METTL1	0.035403703	0.472493484
CFHR1	METTL1	0.025723948	0.497186957
RBM12	METTL1	3.01E-05	0.79327852
OR2A1-AS1	METTL1	0.011475333	0.552799704
LILRA6	METTL1	0.006087098	-0.590819792
IGKV1-27	METTL1	0.018895409	0.519510028
RPL12P33	METTL1	7.37E-04	0.691261483
FCGR2C	METTL1	0.046972881	-0.449130783
ARAP1-AS2	METTL1	0.045225628	-0.452350822
EEF1A1P4	METTL1	2.75E-06	0.845032784
BDNF-AS	METTL1	0.011744893	0.551320332
DDX11-AS1	METTL1	0.043946646	0.454769108
CEBPA	METTL1	0.00414256	-0.61186796
SNHG6	METTL1	7.44E-05	0.768912059
RAB30-AS1	METTL1	0.012337328	0.548163118
NUDT16P1	METTL1	0.008740006	-0.569673589
KCTD21-AS1	METTL1	8.26E-04	0.686662297
SBF2-AS1	METTL1	0.002258954	0.642335685
H2AFJ	METTL1	0.019320083	-0.517948514
LINC00920	METTL1	0.012057834	0.549636963
SOCS2-AS1	METTL1	0.045869638	0.451153014
CSTF3-AS1	METTL1	0.003663498	0.618297856
ZBED5-AS1	METTL1	0.004320148	0.609640438
MIR4458HG	METTL1	0.006921646	0.583467383
OIP5-AS1	METTL1	0.023956954	0.50246349
CKMT2-AS1	METTL1	0.005895483	0.592624002
MTND4P12	METTL1	0.007481341	0.578934181
USP51	METTL1	0.027183506	0.493040213

LINC00926	METTL1	0.0186337	0.520486326
UBA6-AS1	METTL1	0.006957168	0.583170923
SMURF2P1	METTL1	0.046173822	-0.450591748
ADH1C	METTL1	1.97E-04	0.739023868
TRIM52-AS1	METTL1	0.028579031	0.489236308
SUMO2P17	METTL1	0.008005719	0.574932179
BACH1-IT1	METTL1	0.048647988	-0.44612896
OTX2-AS1	METTL1	0.006910649	0.583559416
HSPA8P4	METTL1	0.028139399	-0.490418577
CCDC153	METTL1	0.013298087	-0.543294232
EGFLAM-AS4	METTL1	0.004779488	0.604211341
SERBP1P6	METTL1	0.009727703	0.563141072
LAMTOR3P2	METTL1	0.007365869	0.579846135
TBCAP3	METTL1	5.13E-04	0.705363233
EEF1A1P9	METTL1	0.001867256	0.651285901
LINC00939	METTL1	0.00569913	0.594523538
PDLIM1P4	METTL1	0.046980883	-0.449116249
NPM1P27	METTL1	6.64E-04	0.695410635
NAIP	METTL1	0.013129354	-0.544128303
GZMAP1	METTL1	0.001362117	0.665516046
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PVT1	METTL1	6.03E-04	0.699168396
MTRNR2L5	METTL1	0.005729407	0.594227164
LINC00536	METTL1	0.026890799	0.4938575
RAC1P2	METTL1	0.042071569	0.458414515
CDC42P4	METTL1	0.029374727	-0.487132377
ANKRD33B-AS1	METTL1	0.012233003	-0.548710062
CIR1P2	METTL1	0.016399542	0.529300631
SMIM20	METTL1	5.75E-06	0.830745518
LINC01021	METTL1	0.020612951	0.513357368
KIAA1210	METTL1	1.03E-04	0.759473318
FGD5P1	METTL1	0.008818713	0.56913157
CHCHD10	METTL1	0.021066826	-0.511799948
GPR162	METTL1	0.029413693	-0.487030502
ATP6V1E2	METTL1	0.013466728	0.542469097
GAPDHP62	METTL1	0.008933438	0.568348518
ZNF969P	METTL1	7.75E-04	0.689232218
LINC00923	METTL1	8.85E-04	0.683864968
ZNF550	METTL1	0.029711963	0.486254166
PPIAP11	METTL1	0.001552982	0.659687557
LINC00605	METTL1	0.045307693	0.452197461
TRBV21-1	METTL1	0.003461603	0.62121841
MSNP1	METTL1	0.03591314	0.471348303
FAM86EP	METTL1	0.020652477	0.51322066
RNA5-8SP6	METTL1	0.00735446	0.579936874
SCARNA11	METTL1	0.003465859	0.621155398
RNU6-917P	METTL1	0.005062296	-0.601079582
RNY5	METTL1	1.48E-04	0.74828967
RNU1-103P	METTL1	0.040834616	0.460888601
RNU6-320P	METTL1	0.036639813	0.469736476
SNORD116-25	METTL1	0.001373709	0.665143094
RNA5SP395	METTL1	0.033921831	-0.475899279
RNU2-24P	METTL1	0.005435357	0.597161921
RNU6-1238P	METTL1	0.014230182	-0.538834653

RNU6-709P	METTL1	1.97E-04	0.739023868
HNRNPA3P7	METTL1	0.035712972	0.471796749
IGLV2-34	METTL1	0.025927607	0.496597377
IGHV7-56	METTL1	1.97E-04	0.739023868
IGHV3-65	METTL1	0.00905109	0.56755396
IGLV2-5	METTL1	0.021599435	0.510006029
IGLVI-70	METTL1	0.048443097	0.44649183
CCDC71L	METTL1	0.006955596	0.583184011
IGHVIII-76-1	METTL1	0.048558509	0.446287287
TUG1	METTL1	0.049970257	0.44381491
IGHVII-26-2	METTL1	0.042659537	0.45725816
HMGB1P41	METTL1	1.97E-04	0.739023868
PCDHGA7	METTL1	0.03244805	0.479403664
ALG11	METTL1	0.008658247	0.570240861
ATXN7L3B	METTL1	5.13E-05	0.779270565
PCDHGA8	METTL1	0.018053111	0.52269192
IGLV1-41	METTL1	8.41E-04	0.685946176
ETV3L	METTL1	0.016156329	-0.530317218
IGKV2D-10	METTL1	1.97E-04	0.739023868
IGHV3-22	METTL1	0.019963302	0.515634749
CDC42P3	METTL1	0.022701655	0.50640239
IGHVII-20-1	METTL1	4.80E-05	0.781099376
IGLC5	METTL1	0.049888238	0.443957075
LYN	METTL1	0.040920525	-0.460714912
MTND2P32	METTL1	2.40E-04	0.732461153
PINX1	METTL1	2.75E-04	0.727842412
IGKV2-26	METTL1	0.013532615	0.542148982
MTND6P3	METTL1	1.97E-04	0.739023868
CASC19	METTL1	0.049759588	0.444180427
TYW1B	METTL1	0.008672587	0.570141054
FAM90A12P	METTL1	0.020182633	0.514859357
IGHVII-1-1	METTL1	1.97E-04	0.739023868
IGHV3-79	METTL1	1.32E-04	0.751920049
IGHV7-27	METTL1	5.48E-04	0.702870215
IGHV4-55	METTL1	6.76E-06	0.827448699
SIGLEC14	METTL1	0.034907634	-0.473621016
AP5B1	METTL1	2.25E-04	-0.734734792
CHMP4A	METTL1	0.003021207	0.628115519
CSNK2A3	METTL1	1.97E-04	0.739023868
STT3A-AS1	METTL1	0.046942811	0.449185414
SENCR	METTL1	0.004709731	-0.605007262
IGLL5	METTL1	0.008865592	0.568810603
NAP1L1P1	METTL1	2.48E-04	0.73138154
KRT18P58	METTL1	1.97E-04	0.739023868
SCARNA9	METTL1	0.03729918	0.468295312
FAM66D	METTL1	0.044173362	0.454336517
CHMP1B	METTL1	1.93E-04	0.739731146
EID3	METTL1	1.10E-04	0.757538596
SNHG9	METTL1	0.001207323	0.670771249
EID1	METTL1	6.66E-04	0.695266731
NOX5	METTL1	0.045661994	0.451537794
POLR2M	METTL1	8.14E-05	0.766322616
FDXACB1	METTL1	1.08E-07	0.894042391
OR10G2	METTL1	0.014448305	0.537825164

RAB44	METTL1	0.045978815	-0.450951237
PABPC1P4	METTL1	0.005522454	0.596279305
SNHG1	METTL1	7.15E-07	0.867865241
TIFAB	METTL1	0.021403232	-0.510662743
ZNF432	METTL1	1.04E-05	0.81820972
LINC00507	METTL1	0.035074839	0.473239583
MTRNR2L3	METTL1	7.79E-04	0.689029928
ZNF10	METTL1	1.84E-06	0.852228396
ZNF486	METTL1	0.044964267	0.45284068
USP30-AS1	METTL1	2.65E-04	0.72919084
HMBS	METTL1	0.014590759	0.537172475
CACNA1C-AS2	METTL1	0.008488299	0.571434143
HIST1H3F	METTL1	0.001333708	0.666441512
RPL41P2	METTL1	0.029515767	0.486764132
ABCC6P1	METTL1	0.020614482	-0.513352069
TRDV3	METTL1	8.41E-04	0.685927417
ZBTB11-AS1	METTL1	0.003754031	-0.617031391
CLEC12B	METTL1	0.04567541	-0.451512892
ZNF350	METTL1	7.65E-05	0.768121567
ZNF253	METTL1	0.03919685	0.464255203
A2ML1-AS2	METTL1	9.73E-04	0.679912699
KIAA1147	METTL1	0.010931232	0.555873645
LSM14A	METTL1	9.53E-06	0.820176647
CLLU1	METTL1	0.033188264	0.477628373
TAS2R38	METTL1	0.03837946	0.465976379
PWAR6	METTL1	0.028891973	0.488403421
GRAMD4P3	METTL1	0.034768887	0.47393861
EEF1A1P17	METTL1	0.046853568	0.44934771
CUX1	METTL1	0.002306829	-0.64133281
OLA1P3	METTL1	0.043861385	0.454932237
CHURC1	METTL1	0.009074906	0.56739414
C17orf49	METTL1	0.005953101	0.592076475
PDF	METTL1	0.02259903	-0.506731979
PPIAP6	METTL1	0.0074639	0.579071177
ASB9P1	METTL1	0.020012482	-0.515460298
FAM181A-AS1	METTL1	0.019213725	0.518336999
NBEAP1	METTL1	0.026240748	0.495697943
BMS1P15	METTL1	0.00136899	0.665294607
DNAJC8P1	METTL1	0.031502818	0.481717301
PTCSC3	METTL1	3.95E-04	0.715055489
LINC00924	METTL1	0.015934764	0.531254062
ITGB3	METTL1	0.017753333	-0.523853015
IGHV4OR15-8	METTL1	0.021260157	0.511144652
LINC00596	METTL1	0.007117936	0.581844463
HNRNPA1P45	METTL1	0.041467012	0.459616589
MRPL46	METTL1	1.95E-04	0.739418335
UBE2Q2L	METTL1	0.002212959	0.643316056
EEF1A1P22	METTL1	2.94E-05	0.79381277
PIGHP1	METTL1	0.007987372	-0.57506853
LINC00677	METTL1	0.001453706	-0.66263897
ANP32BP1	METTL1	0.015164741	0.534593465
IGHV3OR16-16	METTL1	0.006379384	0.588155559
IL21R-AS1	METTL1	3.82E-04	0.71621693
TGFB3L	METTL1	0.018028172	-0.522787924

CSPG4P13	METTL1	0.037141659	-0.468637791
MOCS1P1	METTL1	1.97E-04	0.739023868
AQP4-AS1	METTL1	0.017469436	0.52496714
MT1L	METTL1	0.002751373	0.632766591
LINC00565	METTL1	6.23E-04	0.697880238
CCPG1	METTL1	0.00479027	-0.604089165
DOCK9-AS2	METTL1	0.025823853	0.496897279
TMEM178B	METTL1	0.02336872	0.504288374
RBFADN	METTL1	1.21E-04	0.754549532
ZNF865	METTL1	0.01124467	-0.554088115
LINC01003	METTL1	0.017761698	-0.523820402
GOLGA6L7P	METTL1	0.023333473	0.504398869
C15orf65	METTL1	0.012381978	0.547930175
GOLGA8H	METTL1	0.022562343	-0.506850091
HNRNPA1P16	METTL1	0.002149031	0.644707313
CYCSP40	METTL1	0.023879868	-0.502700602
RN7SL134P	METTL1	5.07E-04	0.705773633
RN7SL460P	METTL1	0.047690842	0.447834286
GTSCR1	METTL1	0.013769952	0.541006199
LINC00675	METTL1	0.007722539	0.577065815
MIR3781	METTL1	0.017049851	0.526640594
MIR5582	METTL1	0.016123635	0.530454808
RN7SL533P	METTL1	6.00E-04	0.699330104
UBBP4	METTL1	7.37E-04	0.691238445
RN7SL650P	METTL1	0.013636782	0.541645445
RN7SL374P	METTL1	5.09E-04	0.705621169
MIR4802	METTL1	0.016658861	0.52822995
RN7SL470P	METTL1	1.28E-04	0.752693573
RN7SL750P	METTL1	5.50E-06	0.8316513
MIR4632	METTL1	0.01682556	0.527548713
MIR4523	METTL1	9.35E-04	0.681576759
LINC00667	METTL1	9.14E-04	0.68250291
MIR4473	METTL1	0.02335065	0.504345006
RN7SL686P	METTL1	0.010419875	0.558877836
RN7SL275P	METTL1	0.001440621	0.663040521
RN7SL32P	METTL1	0.036849736	0.469275478
RN7SL336P	METTL1	0.014369012	0.53819071
RN7SL670P	METTL1	0.002275437	0.641988413
MIR4737	METTL1	0.020807938	0.512684985
RN7SL474P	METTL1	5.50E-06	0.8316513
RN7SL572P	METTL1	5.50E-04	0.7026734
RN7SL158P	METTL1	1.97E-04	0.739023868
MIR3667	METTL1	0.001362922	0.665490085
RN7SL866P	METTL1	0.033188041	0.477628903
MIR5006	METTL1	1.01E-05	0.818832836
MIR4442	METTL1	5.28E-04	0.704233061
MIR3168	METTL1	0.001149843	0.67286793
LINC00909	METTL1	7.35E-04	0.691396663
RN7SL835P	METTL1	0.00550171	0.59648847
MIR4767	METTL1	0.02564113	-0.497427765
RN7SL613P	METTL1	1.97E-04	0.739023868
RN7SL431P	METTL1	0.020518988	-0.513683192
RN7SL421P	METTL1	2.28E-05	0.800178219
MIR4736	METTL1	0.028610478	-0.489152291

RN7SL528P	METTL1	8.16E-04	0.687141667
MIR5706	METTL1	1.97E-04	0.739023868
LINC00526	METTL1	7.42E-06	0.825489892
DPRXP4	METTL1	0.036286343	-0.470517368
MIR1273C	METTL1	0.008654648	0.570265939
RN7SL345P	METTL1	1.22E-04	0.754263922
RN7SL206P	METTL1	0.00260079	0.635529862
RN7SL540P	METTL1	0.004779488	0.604211341
RN7SL245P	METTL1	8.07E-04	0.687634664
RN7SL102P	METTL1	1.89E-04	0.740396742
LRRRC37A7P	METTL1	5.99E-05	0.775037016
RN7SL667P	METTL1	2.41E-04	0.732350676
RN7SL407P	METTL1	0.00249513	0.637549528
ARGFXP2	METTL1	0.024936016	-0.499503277
RN7SL365P	METTL1	0.020956306	0.512176708
RN7SL391P	METTL1	0.002147213	0.644747387
MIR4740	METTL1	0.013753682	-0.54108403
RN7SL811P	METTL1	0.002975824	0.628872919
MIR3941	METTL1	2.82E-04	0.726987465
RN7SL243P	METTL1	8.04E-04	0.687758873
MIR4421	METTL1	1.97E-04	0.739023868
RN7SL605P	METTL1	0.002112869	0.645509697
RN7SL92P	METTL1	0.030179088	0.485050539
RN7SL133P	METTL1	0.04301278	0.456569343
RN7SL723P	METTL1	2.41E-04	0.732350676
RN7SL64P	METTL1	0.023214331	0.504773356
RPL17	METTL1	7.75E-04	0.689234846
RN7SL49P	METTL1	0.032800852	0.478553616
RN7SL376P	METTL1	0.004779488	0.604211341
RN7SL360P	METTL1	2.41E-04	0.732350676
RN7SL548P	METTL1	5.50E-06	0.8316513
MIR4489	METTL1	2.85E-04	0.726603899
MIR544B	METTL1	0.016074216	-0.53066321
ESRG	METTL1	0.002295693	0.641564522
MIR3609	METTL1	1.18E-06	0.859783808
RN7SL3	METTL1	1.03E-04	0.75944348
RN7SL562P	METTL1	0.001234368	0.669813705
RN7SL114P	METTL1	1.97E-04	0.739023868
RN7SL550P	METTL1	0.007302258	0.580353528
RN7SL758P	METTL1	1.97E-04	0.739023868
MIR3176	METTL1	0.015751115	-0.53203854
RN7SL138P	METTL1	0.00984306	-0.562413793
RN7SL510P	METTL1	3.73E-04	0.717126285
SNORA76	METTL1	0.003808001	0.616288404
CBX3P2	METTL1	5.62E-04	0.701891905
RN7SL235P	METTL1	0.006379384	0.588155559
RN7SL202P	METTL1	0.010105409	0.560785251
RN7SL137P	METTL1	0.002606091	0.635430357
AARSD1	METTL1	0.005179872	0.5998199
OR1AB1P	METTL1	1.97E-04	0.739023868
ZNF582-AS1	METTL1	1.24E-05	0.814456891
NFE2L3P1	METTL1	0.049551867	-0.444541992
S1PR2	METTL1	0.028590907	-0.489204572
LIN37	METTL1	7.73E-05	0.767846128

NDUFA7	METTL1	0.002217599	0.643216384
PTOV1-AS1	METTL1	1.47E-04	0.748549556
EEF1A1P7	METTL1	0.015998545	0.530983313
SIGLEC20P	METTL1	0.04987117	-0.443986682
DNAH17-AS1	METTL1	1.97E-04	0.739023868
CYP2T3P	METTL1	0.047681735	-0.447850638
VN1R80P	METTL1	0.025355725	0.498262359
ZNF723	METTL1	0.003136953	0.626225797
SIGLEC22P	METTL1	0.003807566	-0.616294363
HNRNPA1P52	METTL1	0.001914429	0.650129081
ZSCAN16-AS1	METTL1	0.034565613	0.4744057
SPIB	METTL1	0.028075181	0.490592486

Additional file 2: Table S2: DEGs

name	baseMean	log2FoldChange	lfcSE	stat	pvalue	padj
IFI44L	9142.45854	2.066960259	0.361934535	5.710867743	1.12402E-08	1.66594E-05
FFAR2	999.009647	1.983431199	0.273191811	7.260214687	3.86476E-13	8.59214E-09
RP11-1149M10.1	5.261963955	1.955047156	0.372179759	5.252964759	1.4967E-07	8.29743E-05
NRIR	248.4395346	1.903196626	0.346121253	5.498641325	3.82729E-08	3.54534E-05
RSAD2	2769.486518	1.901060592	0.353205989	5.382299996	7.35401E-08	5.06944E-05
RP11-925D8.3	4.422883639	1.880630996	0.382648728	4.91477133	8.88861E-07	0.000278326
ZDHHC4P1	12.73688959	1.811322076	0.359485442	5.038652094	4.68822E-07	0.00016811
USP18	867.4885983	1.798614153	0.34266577	5.248887717	1.5302E-07	8.29743E-05
IFIT3	4300.698368	1.790183044	0.350422909	5.108635881	3.24493E-07	0.000147227
CTD-3247F14.2	204.9877947	1.789652989	0.331228476	5.403077078	6.55073E-08	5.06944E-05
GBP1P1	71.18267883	1.747861849	0.34638453	5.046015903	4.51118E-07	0.000167154
CTA-384D8.31	23.8650707	1.732871236	0.374073768	4.632431851	3.61395E-06	0.000763287
RP11-16C1.2	10.52322265	1.723469258	0.372997696	4.620589557	3.82651E-06	0.000780468
HMGB1P3	4.022195908	1.719699783	0.374560035	4.591252735	4.40593E-06	0.000867816
SNORA51	3.141929276	1.709172836	0.38375813	4.453776231	8.4373E-06	0.001339844
CMPK2	2590.343002	1.708976465	0.331042053	5.16241502	2.43784E-07	0.000115315
ISG15	2796.326576	1.698428258	0.32860069	5.168669172	2.35767E-07	0.000113947
MTOR-AS1	6.089452162	1.68636474	0.359585827	4.689741958	2.7355E-06	0.000633496
IFI6	4350.869472	1.671248704	0.334405239	4.997675008	5.80257E-07	0.000195459
CTD-2373N4.5	2.847171444	1.663845824	0.384038221	4.332500607	1.47425E-05	0.00188482
IFIT1	2404.046366	1.657303854	0.365338017	4.5363575	5.72341E-06	0.001009864
LINC00487	91.57891588	1.651603375	0.383377163	4.308037971	1.64709E-05	0.002023101
GALNT14	16.66233573	1.651260924	0.29012613	5.691527765	1.25908E-08	1.74949E-05
MTND4P14	20.81311881	1.641059891	0.355464576	4.61666225	3.89961E-06	0.000788147
IFI44	5873.64464	1.639735111	0.323845189	5.063330158	4.11995E-07	0.000163562
AC002511.3	8.39317586	1.636213399	0.349112687	4.686777253	2.77541E-06	0.000636112
LAMP3	399.8082004	1.599364845	0.343431486	4.657012851	3.2083E-06	0.000692495
RP11-336A10.2	5.452924121	1.598513553	0.36982683	4.322329863	1.5439E-05	0.001928315
CTD-2047H16.2	7.263271598	1.594874999	0.348351105	4.57835493	4.68647E-06	0.000905997
MTND1P11	23.20759625	1.592998814	0.348981719	4.564705623	5.00196E-06	0.000950457
IFI27	1137.844374	1.577432928	0.384442724	4.103167596	4.07532E-05	0.003387005
AC098831.4	10.76574143	1.574100318	0.346130038	4.547713709	5.42318E-06	0.000997662
RP11-34P13.9	3.338617191	1.572443573	0.377915394	4.160834936	3.17086E-05	0.002889123
AC009505.2	5.113484279	1.569104641	0.375950691	4.173697987	2.99695E-05	0.002776175
RP11-288L9.4	96.17178222	1.560205937	0.307286034	5.07737341	3.82688E-07	0.00015469
EPST11	4797.484857	1.556092438	0.305925263	5.086511728	3.64709E-07	0.000152985
RP11-665C16.1	3.32102606	1.535205854	0.378352624	4.057605938	4.95783E-05	0.003827172
PCCA-AS1	6.229457572	1.530163513	0.382209571	4.003467283	6.24208E-05	0.004485439
IGKV3D-15	23.78930221	1.528414334	0.377101841	4.053054556	5.05532E-05	0.003853749
CHRN2	9.779691019	1.527966608	0.303169062	5.039981974	4.65576E-07	0.00016811
RN7SL127P	5.451456544	1.523429087	0.357736908	4.258518073	2.05787E-05	0.00224267
AP001610.5	26.53378485	1.52118104	0.335482275	4.534311216	5.77918E-06	0.001011674
SERPING1	865.6345054	1.519292095	0.358687128	4.235702859	2.27838E-05	0.002408046
HERC5	2010.778974	1.517027704	0.298727227	5.078304111	3.80819E-07	0.00015469
SPATS2L	727.8862218	1.509223684	0.296494574	5.090223628	3.57641E-07	0.000152985
RP11-493P1.2	9.549944861	1.498436653	0.301140398	4.975873924	6.49539E-07	0.000212361
SRGAP2-AS1	2.592067647	1.478735981	0.385296218	3.83791979	0.000124081	0.006583696
RP11-421E14.2	3.567529412	1.477890489	0.375303993	3.937849093	8.22153E-05	0.005252327
CTD-2047H16.4	127.2432835	1.477174399	0.26315017	5.61342749	1.98358E-08	2.44994E-05
OTOF	1157.710194	1.476893652	0.385154364	3.834549961	0.000125794	0.006611492

MIR645	7.016199252	1.474529256	0.33048669	4.46169029	8.13157E-06	0.00131957
OASL	1247.780452	1.471362308	0.324890308	4.528797176	5.93204E-06	0.001022334
PROK2	557.8323723	1.465863674	0.245330216	5.975063724	2.3E-09	5.09569E-06
AP001626.1	7.906994769	1.46207884	0.367839677	3.974771981	7.04467E-05	0.004867074
RP11-925D8.6	3.561815661	1.455471191	0.384992249	3.780520767	0.000156501	0.007613398
MUC5B	12.41379936	1.452956049	0.342363164	4.243902968	2.19665E-05	0.002347885
RP11-280G9.1	5.482714383	1.452593054	0.376759855	3.855487874	0.000115499	0.006324569
RNU4ATAC12P	5.486042332	1.449543535	0.381463231	3.799956109	0.000144722	0.007197882
CCL2	269.8878533	1.440239481	0.383937028	3.751238813	0.000175963	0.008049402
RPL7P49	3.801055824	1.436292601	0.371190371	3.869423115	0.000109093	0.006048278
IFIT2	3310.625211	1.436003871	0.33541553	4.281268288	1.85831E-05	0.002194994
DLGAP1	27.47616423	1.435820481	0.369645768	3.884314676	0.000102619	0.005880325
AC093627.12	12.81945022	1.431797631	0.341781157	4.189223432	2.79911E-05	0.002659391
RP11-925D8.5	5.796348007	1.429712681	0.380450115	3.757950449	0.000171311	0.007901622
IGFL2	6.851111043	1.428365071	0.384700945	3.712923216	0.000204879	0.00893112
EGR3	2910.464034	1.424135079	0.314398302	4.529716187	5.9063E-06	0.001022334
DNM1P34	4.316083486	1.415061205	0.358872583	3.943074146	8.04438E-05	0.005229316
LGALS3BP	2795.481399	1.413461171	0.281040142	5.029392451	4.92036E-07	0.000170921
RP11-477G18.2	2.884704582	1.412398602	0.381244327	3.704707199	0.000211635	0.009085228
RP11-69H7.2	9.922538362	1.409119491	0.335915659	4.194860983	2.73039E-05	0.002639219
FCF1P1	3.761307356	1.408310169	0.373485758	3.77071987	0.000162777	0.007765805
TMEM178B	34.12476945	1.406246821	0.332286056	4.232036814	2.31584E-05	0.002428578
AC002543.2	14.26562784	1.404694841	0.333667305	4.20986659	2.55522E-05	0.002536051
RN7SL798P	10.57324102	1.396731162	0.359031614	3.890273467	0.000100131	0.005812478
OR52P1P	4.65954404	1.395465415	0.355505472	3.925299395	8.66219E-05	0.005458842
ADORA2A-AS1	78.83393878	1.391255298	0.281426587	4.943581602	7.67002E-07	0.0002436
RP11-405F3.4	15.25376571	1.38488598	0.355802167	3.892292148	9.93016E-05	0.005794416
FAM225A	26.36856938	1.382892324	0.357198662	3.871493575	0.000108171	0.006040142
IGLV3-19	506.7029094	1.381763557	0.351006272	3.93657797	8.26518E-05	0.005265084
TNFAIP6	92.12969026	1.377294355	0.360252339	3.823137853	0.000131764	0.006844343
RN7SL558P	2.577899941	1.3718103	0.384748233	3.565475248	0.000363197	0.012499389
RP11-616K22.2	3.248776847	1.370819615	0.377979378	3.626704771	0.000287061	0.01083522
RP11-96C23.9	3.220824958	1.370648509	0.378180916	3.624319611	0.000289723	0.010898689
RP11-52J3.2	2.608448746	1.365043119	0.385134288	3.54433028	0.000393612	0.01298335
MAP6	7.947911867	1.3647882	0.376008961	3.629669343	0.000283785	0.010729757
OR56B2P	2.765542108	1.364219793	0.384969236	3.543711196	0.000394537	0.012994593
CAV1	83.13752084	1.357932558	0.375346847	3.617807292	0.000297109	0.011025816
RP11-561O23.8	8.305352033	1.356937689	0.317488681	4.273971858	1.92021E-05	0.002211926
C17orf77	5.518383767	1.353606926	0.354983797	3.813151292	0.000137206	0.006964304
Z85986.1	14.04729319	1.350894265	0.339983298	3.97341361	7.08499E-05	0.004867074
RP11-324E6.6	5.721123848	1.350764408	0.373532686	3.616187981	0.000298973	0.011025816
SIGLEC1	6252.579929	1.348292161	0.38372905	3.513656738	0.000441984	0.013685486
RP11-196G18.3	10.04720691	1.347891328	0.358505066	3.759755321	0.00017008	0.007867518
RN7SKP243	2.640134174	1.346990791	0.384865373	3.499901226	0.000465431	0.014059039
CHGA	3.710251458	1.346867962	0.36693349	3.67060516	0.000241977	0.009798962
RP11-16E23.3	3.713176116	1.344070395	0.376403327	3.570824959	0.000355859	0.012324439
IFITM3	8133.90683	1.343813749	0.328035302	4.096552236	4.19349E-05	0.003402542
RP1-228H13.2	8.127613611	1.339386663	0.34443291	3.888672146	0.000100794	0.005820405
OAS3	12079.28644	1.337768725	0.316548553	4.226109113	2.37767E-05	0.002447236
MARK2P8	14.30141345	1.337348875	0.353869371	3.779216239	0.000157323	0.00763668
RP11-91P24.1	4.58943613	1.33653929	0.346810181	3.853806387	0.000116296	0.006336969
ALAS2	571.8098519	1.33408195	0.385171886	3.463601575	0.000532995	0.015571028
CSRP2	12.37002096	1.329562141	0.315627165	4.212445219	2.52621E-05	0.002525129
MRPL53P1	4.324603108	1.329392856	0.374659516	3.548269297	0.000387772	0.012837612

SNORA31	4.911387519	1.32615088	0.368107481	3.602618656	0.000315028	0.011406664
MX1	7889.909242	1.325465522	0.320540629	4.135093662	3.5481E-05	0.003093386
RP11-670E13.3	7.821536986	1.32331674	0.36210747	3.654486169	0.000257698	0.010176078
CNN2P1	13.55258491	1.322749249	0.310297544	4.262841503	2.01844E-05	0.002241387
RP11-737O24.3	6.731954376	1.312900038	0.335491703	3.913360672	9.10204E-05	0.005567492
AC009542.2	17.15397266	1.311124626	0.306505569	4.277653522	1.88874E-05	0.002194994
CSNK1G2P1	4.91246416	1.309458892	0.362501325	3.612287184	0.000303508	0.011144608
ALG1L	3.57919376	1.307882933	0.377432771	3.465207672	0.000529822	0.015539587
RP11-39K24.4	37.33455773	1.305870376	0.347263536	3.760459254	0.000169602	0.007867518
RP11-627K11.3	5.030942602	1.304329326	0.362186738	3.601261977	0.000316676	0.011435202
ANXA3	143.456875	1.300092856	0.349798397	3.716691863	0.000201848	0.008833648
AP001469.5	3.60337919	1.300030634	0.370094575	3.512698434	0.000443581	0.013696784
AMZ2P2	2.786513468	1.299800855	0.3831723	3.392209868	0.000693313	0.017881366
CXCL13	5.290656944	1.299273872	0.382936875	3.39291919	0.00069152	0.017855843
CACNA1E	20.65366898	1.297476974	0.305005206	4.253950257	2.10032E-05	0.002277771
CTD-2313J17.1	6.290493245	1.297468675	0.325116099	3.990785691	6.58548E-05	0.004647883
AGRN	880.7885591	1.296311478	0.241206168	5.374288266	7.68858E-08	5.06944E-05
IGKV2D-30	13.39294199	1.296171494	0.37517756	3.454821482	0.000550657	0.015827968
KREMEN1	126.3445953	1.286677753	0.219354142	5.865755442	4.47092E-09	7.64597E-06
IGLVI-70	9.881963896	1.286002116	0.381159767	3.373918835	0.000741062	0.018574175
TET2-AS1	7.329306093	1.285955671	0.355132268	3.621061189	0.000293397	0.010981492
LPAR3	28.73177519	1.28566926	0.335730109	3.829472615	0.000128418	0.00671763
ANKRD44-IT1	53.7262975	1.285474707	0.300942479	4.271496365	1.94166E-05	0.002221285
EIF2AK2	5838.454698	1.284557257	0.255165274	5.034216595	4.79807E-07	0.000169319
MGAM2	17.21891964	1.283922523	0.36252527	3.541608348	0.000397695	0.01305992
RP11-701P16.2	29.20676614	1.283842763	0.361712495	3.549345908	0.000386189	0.012837612
LRRC4B	16.31405089	1.283554347	0.337549293	3.802568616	0.000143204	0.007138346
RP4-676J13.2	4.76049933	1.283063004	0.359986708	3.564195496	0.000364974	0.012514789
IGKV3-15	557.8468213	1.282478396	0.347765369	3.68776914	0.000226229	0.009309895
RP4-641G12.3	7.055111971	1.279057818	0.355543367	3.59747344	0.000321323	0.011549436
FFAR3	39.10395779	1.278824779	0.334821923	3.819417701	0.000133767	0.006893834
RP11-16C1.1	6.857550535	1.278452525	0.353292212	3.618683014	0.000296106	0.011025816
CBS	16.55836862	1.278199043	0.31175538	4.100006363	4.13139E-05	0.003387005
RN7SL502P	4.038387779	1.276234476	0.381340154	3.34670887	0.00081777	0.019676053
RP11-557C18.3	7.558640026	1.275886923	0.350287452	3.64239974	0.000270108	0.010461751
MIR3909	8.236593662	1.275044207	0.334819699	3.808151701	0.000140009	0.007074292
MIR4441	2.711734097	1.272018753	0.376334939	3.380017692	0.000724812	0.018290593
RP11-517O13.1	2.56793678	1.270827177	0.383499856	3.313761811	0.000920499	0.021054044
SLC1A2	10.27845744	1.265992433	0.283987288	4.457919378	8.2759E-06	0.001328446
CTC-505O3.3	2.607413279	1.265937999	0.383278967	3.302915394	0.000956853	0.021596696
CTC-450M9.1	3.955873176	1.265445394	0.368812021	3.431139231	0.000601052	0.016703236
MIR644A	10.52728759	1.265276304	0.369858816	3.420971056	0.00062398	0.016994421
RNU7-40P	15.96236386	1.264096989	0.296401404	4.264814445	2.00068E-05	0.002241387
IGKV1D-39	5.019592961	1.264021132	0.382944065	3.300798332	0.000964102	0.021694236
RNU6-638P	39.89848176	1.259345762	0.307094967	4.100834914	4.11662E-05	0.003387005
RP11-1086F11.1	5.950552412	1.259078147	0.336879446	3.737473933	0.000185878	0.008381366
FCGR3B	3812.992398	1.257797578	0.351260307	3.580813297	0.000342526	0.012049123
IL13	7.146851901	1.25544542	0.351221875	3.574508048	0.000350887	0.012265598
RSPO4	8.149292688	1.253891377	0.34504344	3.634010189	0.00027905	0.010623007
RP11-44N11.1	6.994308595	1.252647777	0.351718838	3.561503229	0.000368738	0.012592586
ZNF90P1	4.897039612	1.252359491	0.366520508	3.4168879	0.000633414	0.017069152
MKRN2	3.665387915	1.249243332	0.362513683	3.446058425	0.000568827	0.016109771
PXT1	3.856519479	1.249160744	0.354743096	3.521310934	0.000429419	0.013465216
RP3-509L4.3	4.340090563	1.24907886	0.381382791	3.275131683	0.001056127	0.023006818

IGLV1-40	1136.684643	1.246431021	0.381231958	3.269481991	0.001077446	0.023338679
SLC12A8	31.59727973	1.245653283	0.337812682	3.687408284	0.00022655	0.009309895
AC008937.2	18.27389674	1.245326576	0.358434256	3.47435145	0.00051209	0.015139336
CENPUP2	10.59894061	1.245067849	0.309582596	4.02176306	5.77641E-05	0.004239861
HMG2P28	4.458788618	1.243037999	0.356471905	3.487057411	0.000488367	0.014612872
MIR221	18.13583363	1.241712427	0.31326178	3.963817192	7.37607E-05	0.005011804
SNORA70G	7.471239338	1.240341724	0.380919088	3.256181596	0.001129215	0.023909246
RP11-460N11.2	3.637126668	1.23932648	0.37432371	3.310841522	0.000930159	0.021231302
IGKV3D-20	39.10752616	1.234811019	0.383426159	3.220466293	0.001279822	0.025796022
CSF2RBP1	4.916346959	1.234713952	0.383767016	3.217352977	0.001293793	0.025884112
GMPR	349.7838825	1.234571453	0.281623703	4.383762595	1.16647E-05	0.001631002
ADRB1	64.22775161	1.233277481	0.351345765	3.510153256	0.000447848	0.013753288
B3GNT5	951.9157311	1.232639746	0.312372802	3.94605336	7.94499E-05	0.00519509
RP3-415N12.1	5.78918678	1.232604016	0.345465527	3.567950838	0.000359784	0.012401113
HNRNPA1P34	5.633645815	1.231791515	0.363871971	3.385233303	0.000711178	0.018111002
E2F7	45.54010489	1.231197238	0.332855387	3.698895335	0.00021654	0.009144252
RP11-90D4.3	3.007198034	1.23043888	0.375180215	3.279594264	0.001039565	0.022798712
HMGB1P14	11.68075594	1.229265815	0.317101621	3.876567421	0.00010594	0.006001233
IGLV2-14	550.6815493	1.228058835	0.354129957	3.46781968	0.000524699	0.015409661
GAPDHP42	23.02698118	1.227814471	0.290859562	4.221330956	2.42864E-05	0.002465458
KREMEN2	10.67374878	1.225481608	0.299842366	4.087086238	4.36825E-05	0.003518655
RP11-326L17.1	2.278486695	1.224881181	0.383014444	3.198002586	0.00138383	0.026869273
RP11-723D22.2	2.454376091	1.224610263	0.383612411	3.192311376	0.001411391	0.027197697
RPS20P15	6.612703706	1.222927178	0.360709061	3.390342278	0.000698054	0.017926813
MESP1	9.867043637	1.221082084	0.338496169	3.607373428	0.000309312	0.011277185
APOBEC3A	4730.353923	1.217370055	0.292807252	4.157581642	3.21634E-05	0.002906738
RP3-403L10.3	4.078813069	1.215915026	0.377877517	3.217749068	0.001292008	0.025884112
LY6E	9943.332788	1.214338808	0.284339703	4.270732488	1.94832E-05	0.002221285
IGHG3	2835.749859	1.213114451	0.375602946	3.22977885	0.00123886	0.025291402
TRPC5	3.270130955	1.212936771	0.384334767	3.155938196	0.001599828	0.029197363
AC019084.7	3.944266047	1.212875534	0.383877964	3.159534142	0.001580216	0.028970825
SPAG6	8.112127595	1.212367313	0.358809958	3.378856376	0.00072788	0.018347203
CXCL11	14.71503203	1.211738116	0.369486708	3.279517479	0.001039848	0.022798712
RN7SKP292	3.649755582	1.210785293	0.365755545	3.310367561	0.000931735	0.021245477
RP11-467L19.8	6.86245501	1.207282502	0.336009174	3.593004588	0.000326887	0.011721529
ZNF462	49.56683763	1.206506523	0.333586695	3.616770515	0.000298302	0.011025816
RP5-1099D15.1	13.36537655	1.206487431	0.313036585	3.854141946	0.000116136	0.006336969
RP11-848G14.2	3.469793717	1.206057144	0.384688543	3.135152227	0.00171765	0.030261081
AP001628.6	11.43016348	1.20409742	0.284892516	4.22649719	2.37357E-05	0.002447236
MIR4540	2.652510327	1.204024181	0.384853577	3.128525373	0.001756858	0.030610091
MIR623	9.229840362	1.203744176	0.310544666	3.876235239	0.000106085	0.006001233
GDAP1L1	3.543473976	1.201879858	0.385041565	3.121428871	0.001799757	0.031089512
RP1-71H24.1	6.372451759	1.201062497	0.363192569	3.306957793	0.000943151	0.021396054
BCL2L14	27.32363336	1.198223071	0.347002528	3.453067269	0.000554251	0.015878999
H2AFZP1	7.514278006	1.198182996	0.353285137	3.391546574	0.000694994	0.017883212
ADAMTS7P3	20.5699132	1.193195619	0.292829886	4.07470574	4.60726E-05	0.003632886
DDX60	3050.084652	1.192382734	0.271079828	4.398640596	1.08931E-05	0.001606832
HERC6	1664.522245	1.191694375	0.269435784	4.422925402	9.73734E-06	0.001500493
MIR23A	41.27360476	1.190518338	0.33196474	3.58627949	0.000335429	0.011893569
RNU6-611P	5.239428625	1.190510093	0.343249264	3.468354389	0.000523656	0.015399372
RP11-318K15.2	16.5939044	1.190508383	0.384628538	3.095215941	0.001966697	0.032926534
CTD-3105H18.8	4.433175839	1.190489297	0.346220183	3.438532339	0.000584877	0.016439839
RN7SKP16	8.835402819	1.189182079	0.329662312	3.607273366	0.000309432	0.011277185
FAM155B	14.73154749	1.188524772	0.367399983	3.234961423	0.001216592	0.024951352

ESRP2	54.84572135	1.188349129	0.35669911	3.331516939	0.00086374	0.020298813
RP11-638I2.9	39.80717346	1.187238286	0.35675454	3.327885573	0.000875078	0.020414202
RP11-273G15.2	39.23216981	1.185544063	0.282556669	4.195774492	2.71941E-05	0.002639219
CEACAM1	238.3373764	1.185448242	0.282948912	4.189619367	2.79423E-05	0.002659391
UCHL1	18.00019875	1.1845442	0.374599977	3.162157694	0.001566047	0.028941284
RNU6V	3.698738642	1.184537765	0.367115116	3.226611258	0.001252655	0.025502775
IFIT1B	21.08813059	1.182778978	0.385324453	3.069566359	0.002143698	0.034585406
AC010149.4	21.843116	1.182011532	0.247877174	4.768537228	1.85568E-06	0.000493694
HBA1	6087.858627	1.181600463	0.383143911	3.083959913	0.002042651	0.033738648
RP11-409K20.6	6.419575927	1.181131478	0.369937851	3.192783531	0.001409085	0.027197697
RP11-552C15.1	7.867333475	1.177995386	0.344483672	3.419597156	0.000627139	0.017023885
AL109761.5	8.483778171	1.176389593	0.31250427	3.764395254	0.000166953	0.007822964
IGLV6-57	290.1125747	1.174853066	0.384363346	3.056620981	0.002238471	0.035420422
RN7SL444P	3.834230375	1.174459451	0.358612508	3.275009727	0.001056583	0.023006818
RP11-252K23.2	3.469437923	1.174448469	0.362799621	3.237182182	0.001207163	0.024803745
AC002400.1	19.76648421	1.174322259	0.31793408	3.69360296	0.000221099	0.009207657
MTND5P14	18.06400797	1.173956525	0.364475249	3.220949928	0.001277665	0.0257759
CTD-3037G24.3	7.704042816	1.173586973	0.340378653	3.447886529	0.000564991	0.016042002
PKN2-AS1	4.910271799	1.173384759	0.353630452	3.318110052	0.000906288	0.020841432
RP11-553K8.5	18.82658015	1.172867193	0.328327393	3.572248977	0.000353929	0.012294598
MIR5695	2.498703927	1.172135583	0.384611373	3.047584305	0.002306888	0.035853857
RNA5SP151	5.476269558	1.171749479	0.376206575	3.114643805	0.001841672	0.031534865
RP11-95O2.1	6.442186216	1.170906683	0.340633286	3.437440586	0.00058724	0.016463442
GDF15	8.031195318	1.170877478	0.339344093	3.450413616	0.000559728	0.015953691
ABCA1	1078.596388	1.168588436	0.189214223	6.176007386	6.57429E-10	2.08799E-06
HBQ1	16.38384015	1.168546673	0.371689617	3.143877634	0.001667251	0.029892204
RP11-101O6.2	5.409680244	1.168225158	0.33816203	3.454631373	0.000551046	0.015827968
IFIT5	1800.318418	1.167177181	0.1803374	6.472185915	9.65952E-11	5.42795E-07
KCNN3	17.57720563	1.167160543	0.371832337	3.13894308	0.001695584	0.030084772
AC159540.14	4.895976931	1.166832403	0.348108711	3.351919575	0.000802533	0.019456838
RLBP1	4.085787386	1.165107635	0.370824125	3.141941307	0.001678317	0.029975197
RP11-17G12.2	12.87463373	1.164861636	0.264734601	4.400111025	1.08196E-05	0.001606832
OR2W3	59.84834792	1.164673265	0.369951608	3.148177324	0.00164292	0.029603469
RP11-5P18.1	3.232788095	1.164157318	0.379218692	3.0698838	0.002141421	0.034585406
PLN	5.355443347	1.163148754	0.374991041	3.101804118	0.001923452	0.03251877
CA1	196.9950293	1.162009884	0.381828082	3.04328031	0.002340142	0.036054086
RP11-476D10.1	13.29266177	1.161824691	0.347968505	3.33887888	0.000841172	0.020019134
OLR1	30.74623398	1.161373426	0.361595494	3.211802816	0.001319049	0.026206517
RP11-39K24.12	18.70097077	1.159016459	0.352267451	3.29016052	0.001001302	0.022260956
CXCL1	204.9891042	1.1576776	0.314530268	3.680655629	0.000232635	0.009489801
HNRNPA3P15	7.970690331	1.157002172	0.340443029	3.398519206	0.000677517	0.017637657
IGKV5-2	42.16972757	1.156280764	0.365486865	3.163672557	0.00155792	0.028887131
EMP1	423.6670439	1.156172476	0.300727316	3.844587482	0.000120755	0.006484623
CARS-AS1	6.765605032	1.156075028	0.325389696	3.552893783	0.000381018	0.012738043
HESX1	28.35788735	1.155568223	0.358263899	3.22546655	0.001257675	0.025548203
TWIST1	2.453566289	1.15458716	0.381562391	3.025945917	0.002478566	0.037206946
MYBL2	512.1121063	1.152712654	0.343820277	3.352660476	0.000800388	0.019426017
RPL23AP81	13.76454906	1.151893935	0.314804783	3.659073809	0.000253128	0.010114985
RP11-153M7.5	3.135915523	1.151334976	0.373646446	3.08134866	0.002060652	0.033859878
RP11-214O1.3	7.441649795	1.150965627	0.350986241	3.27923289	0.001040897	0.022799233
E2F8	29.93927793	1.150961509	0.348403378	3.303531424	0.000954753	0.021573765
RPL13AP6	2.291336906	1.150774052	0.384559175	2.992449864	0.002767481	0.040108632
RN7SKP163	3.078843584	1.148812993	0.385184098	2.982503688	0.002859012	0.040849329
EHD4-AS1	10.31408789	1.148521431	0.344150119	3.337268734	0.000846061	0.020052908

TRAJ34	3.457324932	1.146077805	0.370276245	3.095196681	0.001966824	0.032926534
HBA2	5492.496985	1.145767887	0.384783439	2.977695431	0.002904244	0.041206788
GYPA	4.433980548	1.145152103	0.380935371	3.006158496	0.002645711	0.038847764
snoU13	6.079964786	1.144922787	0.355908679	3.21690044	0.001295836	0.025884112
MIR5685	11.12468644	1.144367216	0.284549704	4.021677764	5.77851E-05	0.004239861
RNU6-118P	18.08133756	1.142282524	0.307546393	3.714179551	0.000203864	0.008904332
IGLV3-21	576.7265046	1.142040509	0.384380828	2.971117248	0.002967185	0.041566762
PGLYRP1	59.62832732	1.142008926	0.374816681	3.046846591	0.002312557	0.035853857
AP000350.6	3.098518201	1.141379541	0.385063109	2.964136302	0.003035338	0.042130929
AC096558.1	4.1234374	1.141184945	0.380590537	2.998458538	0.002713491	0.039608998
RP11-39K24.13	20.02534671	1.140962006	0.344732883	3.309698791	0.000933964	0.021273801
LYG2	8.348628194	1.140351066	0.322914127	3.531437528	0.000413307	0.013238194
AC093732.1	5.816574013	1.137485338	0.356451609	3.191135369	0.001417149	0.027207296
FOX1	4.886970555	1.137195671	0.382011724	2.976860659	0.002912163	0.041206788
AC083884.8	13.03240904	1.136653652	0.333382838	3.409454599	0.000650929	0.017351866
TNFRSF12A	89.85088455	1.13501239	0.353662483	3.209309562	0.001330542	0.026364171
AP000662.9	2.68297735	1.134955238	0.383173405	2.96198855	0.003056592	0.042233774
SLC4A1	377.9214367	1.134594081	0.381824677	2.971505378	0.002963437	0.041540434
SPATA21	8.624922799	1.132697921	0.304258866	3.722809913	0.000197018	0.008707954
SYN2	8.09963006	1.130779097	0.344310508	3.284184104	0.001022781	0.022580401
RPS20P31	3.710641208	1.129141921	0.373897498	3.019923715	0.002528384	0.037613164
CTD-3105H18.11	2.36063451	1.128591135	0.380739143	2.964210947	0.003034602	0.042130929
RP11-345J4.6	4.423187635	1.128383895	0.356526967	3.164932813	0.001551188	0.028810363
CTC-265F19.1	2.543197688	1.127308249	0.385219943	2.926401582	0.00342908	0.045136355
LINC00593	3.178504062	1.126823119	0.375821639	2.998292281	0.002714972	0.039608998
AC110781.3	12.76002908	1.125916362	0.378463805	2.974964439	0.002930225	0.041283121
BATF2	101.4620068	1.125456955	0.337461255	3.335070141	0.000852779	0.020126305
CTD-2542L18.1	7.818913652	1.122523266	0.377039611	2.97720248	0.002908918	0.041206788
KLHDC7B	686.1215715	1.122457136	0.280019384	4.008497987	6.11062E-05	0.004439582
RRM2	542.8652932	1.121927508	0.350682823	3.199265643	0.001377782	0.026851556
CD83	5704.646675	1.120591462	0.331384636	3.381543196	0.000720799	0.01828303
TMOD1	59.51538254	1.119938744	0.365150084	3.06706418	0.002161724	0.034800475
UBE2CP1	5.604060961	1.119637582	0.350501783	3.194384838	0.001401292	0.027137212
RYKP1	3.832249926	1.119558326	0.367239503	3.048578156	0.002299271	0.035796493
HBM	35.33479996	1.118742662	0.382193999	2.927159154	0.003420738	0.045101551
MOXD1	80.71857588	1.118648683	0.3448034	3.244308738	0.001177361	0.024443649
CA4	33.40177725	1.11489146	0.348078328	3.202990162	0.001360086	0.026673323
FOSL1	295.2398749	1.114798721	0.356955376	3.123075871	0.001789716	0.030988292
TCF3P1	34.80061331	1.112321194	0.315214244	3.528778327	0.000417483	0.01331632
RNF182	10.32673006	1.111452048	0.380453082	2.921390577	0.003484727	0.045616387
RP11-114M5.1	26.08015317	1.110963333	0.284094581	3.910540385	9.20899E-05	0.005567857
MIR199A1	6.773905528	1.110489015	0.352367175	3.151510965	0.001624281	0.029418065
TKTL2	8.403642724	1.110223832	0.345450791	3.213840761	0.001309723	0.026067823
ETV7	150.4753734	1.109907411	0.336750623	3.295932765	0.000980955	0.021962325
BACH1-IT2	7.865584048	1.107743947	0.320373613	3.457662877	0.000544883	0.015752709
ASPM	169.3259813	1.107407784	0.324438181	3.413309062	0.000641791	0.017170037
SCARNA3	2.344171768	1.10740373	0.384663094	2.878892586	0.003990742	0.049548364
SLCO5A1	16.87603684	1.107187584	0.315714368	3.506928089	0.000453312	0.013871974
AC004893.10	10.35963473	1.10712403	0.324972919	3.406819354	0.000657246	0.017429274
RP11-468E2.4	120.2352962	1.106857729	0.207073809	5.345232853	9.03009E-08	5.73591E-05
IGLV4-60	37.60601892	1.106816256	0.379485792	2.916621069	0.003538454	0.046080156
SNORD71	4.380624759	1.103142276	0.377871045	2.919361755	0.003507489	0.045815806
LCN2	233.3353996	1.102714805	0.37006481	2.979788336	0.002884476	0.041081454
TMEM14E	7.499303527	1.102603663	0.336303972	3.278592454	0.001043262	0.022828541

RP11-363N22.2	2.339923436	1.102169899	0.380233705	2.898664382	0.003747558	0.047702666
HES4	287.0011161	1.101564879	0.366458064	3.005977999	0.002647282	0.038847764
BHLHA15	54.67760194	1.101140924	0.376939014	2.921270774	0.003486067	0.045616387
RP11-182110.2	3.282130614	1.100946833	0.378929294	2.905414944	0.003667665	0.047269294
MIR1285-1	12.55980157	1.100121169	0.343477245	3.202893889	0.001360541	0.026673323
RP11-152L20.3	16.54360385	1.099036237	0.281652089	3.902105755	9.53595E-05	0.005683732
CTD-2024I7.13	7.529370153	1.098515981	0.370141699	2.967825525	0.002999145	0.041803759
ANGPTL1	22.1453631	1.097841134	0.33750221	3.252841317	0.001142573	0.024054621
RTEL1P1	5.066283849	1.094508751	0.369090422	2.965421712	0.003022683	0.042026442
RP5-850O15.3	5.514452115	1.093595902	0.353980043	3.089428132	0.002005422	0.033422181
RP11-667K14.5	5.098599236	1.093213113	0.359669728	3.03949159	0.002369778	0.03633442
HELZ2	6861.754868	1.092130134	0.202910833	5.382315565	7.35337E-08	5.06944E-05
RP11-172E10.1	9.721306291	1.091723694	0.357735945	3.051758451	0.002275051	0.035643364
LMOD2	10.30596145	1.091678679	0.294866102	3.702286128	0.000213665	0.00910002
IGKV1-5	935.5178496	1.090538472	0.364195825	2.994373899	0.002750087	0.039960742
MIR1250	2.989856237	1.089164157	0.374937344	2.904923119	0.003673433	0.047288805
IGLV8-61	167.9559917	1.088992361	0.372538554	2.923166875	0.003464908	0.045446505
PARP14	11049.07543	1.088592868	0.225249017	4.832841805	1.34598E-06	0.00038862
NLRP9P	20.57283359	1.088104265	0.254893102	4.268865087	1.9647E-05	0.002228532
RP11-439A17.9	34.85937529	1.08776295	0.29471393	3.690911219	0.000223452	0.009247567
CTD-2288F12.1	8.876927365	1.087694616	0.284372619	3.824892216	0.000130829	0.006811703
ANLN	51.87229852	1.087348052	0.299415793	3.631565455	0.000281707	0.010678834
RP11-665G4.1	19.81912829	1.086594857	0.272607227	3.985935619	6.72147E-05	0.004699113
TXNDC5	216.1657394	1.086131793	0.358651836	3.028373713	0.002458738	0.037009254
RP11-96D1.9	19.39859797	1.08577188	0.32614117	3.329146949	0.000871124	0.020355114
RNU6-920P	4.806249703	1.084223815	0.360385874	3.008508087	0.002625338	0.038729272
CFAP58-AS1	17.60152249	1.08395067	0.308715917	3.511159003	0.000446157	0.013738189
ERVFRD-1	6.962547377	1.083786677	0.357617348	3.030576346	0.002440875	0.036865167
TSPAN1	4.121913495	1.083461714	0.354398363	3.057186003	0.002234256	0.035418255
FAM20A	92.57317369	1.082013064	0.304078548	3.558334094	0.000373214	0.012648327
RP11-296A18.5	10.07717262	1.081839298	0.349781192	3.092903	0.001982089	0.033132184
MT2A	1676.641256	1.081456031	0.310292379	3.485280675	0.000491621	0.014668921
RGS20	7.108164631	1.081246033	0.332466809	3.252192412	0.001145185	0.024064032
MAFB	9767.309477	1.08108166	0.310479547	3.481973839	0.000497732	0.014773812
RP11-213H15.1	5.012315504	1.080854967	0.372046434	2.905161479	0.003670637	0.047280183
KCNJ15	363.201416	1.079960113	0.317743593	3.398841509	0.000676719	0.017637657
GRIP2	2.950024991	1.079316001	0.374742076	2.880156967	0.003974772	0.049449993
PGAP1	505.8746187	1.078303444	0.224374008	4.80583048	1.5411E-06	0.000428273
RAP1GAP	15.97761419	1.077549468	0.352605903	3.055959812	0.002243413	0.035448161
RN7SL431P	28.39913611	1.077535188	0.305428834	3.527941926	0.000418804	0.013320245
MME	467.1344611	1.073568276	0.319357326	3.361652254	0.000774776	0.019172244
SNORA72	5.600951015	1.072889421	0.367119898	2.92244966	0.003472898	0.045524445
IGHD4-4	6.104688013	1.072705749	0.355486679	3.017569464	0.002548106	0.037867313
DENND6A-AS1	3.568888885	1.071253608	0.365115205	2.934015331	0.003346077	0.044625063
RP11-535C21.3	7.709344823	1.070342485	0.350228093	3.056129725	0.002242142	0.035448161
ATP5G2P3	29.19504012	1.07034129	0.323089022	3.312837074	0.000923548	0.021102067
HJURP	71.38483391	1.067690429	0.32757328	3.259394136	0.001116504	0.023715551
RPS12P27	9.618854953	1.067318686	0.357168225	2.988280062	0.002805523	0.040370483
GBP6	11.36682735	1.066679189	0.340866885	3.129313047	0.001752155	0.030552092
SPDYE2B	29.17024029	1.065581844	0.355486379	2.997532137	0.002721752	0.039662672
AC124914.3	7.062823447	1.064590969	0.366109678	2.907847112	0.003639262	0.047012246
DOCK4	176.6094225	1.064207785	0.205318661	5.183200483	2.1811E-07	0.000107756
FAM183B	14.87442517	1.063726806	0.308386864	3.449325926	0.000561988	0.015997588
OR2L2	4.1606196	1.062829796	0.360075763	2.951683795	0.003160464	0.043212444

SMG1P1	128.7611582	1.061396633	0.311607378	3.406198652	0.000658742	0.017429274
RNU6-1024P	8.700615572	1.061346589	0.33157515	3.200923192	0.00136988	0.026809139
IGHV3-33	230.8280593	1.061216507	0.34453621	3.080130549	0.002069099	0.033923455
LKAAEAR1	10.44280955	1.057078381	0.347768383	3.039604617	0.002368889	0.03633442
RP11-211N11.5	11.17667334	1.055963193	0.29120981	3.626125078	0.000287706	0.010841154
RP11-254B13.4	12.32024141	1.055755693	0.360264433	2.930502144	0.003384147	0.044897716
CKAP2L	43.80166154	1.055451418	0.323815711	3.259420044	0.001116402	0.023715551
TRAJ29	5.941316577	1.055400579	0.364044374	2.899098719	0.00374237	0.047702666
RP11-153M7.1	11.16946037	1.054758496	0.310288563	3.399282541	0.000675629	0.017637657
RNU6-481P	3.727791687	1.054348694	0.356983404	2.953494983	0.003141977	0.043039086
NFE4	12.17571999	1.053481385	0.348723357	3.020965938	0.002519697	0.037570694
MIR553	8.944184628	1.053225609	0.345981426	3.044168064	0.002333248	0.035972787
RNU2-6P	4.361828123	1.051748722	0.363948141	2.889831278	0.003854486	0.048716852
RP11-128B16.3	32.37328274	1.051667888	0.298380292	3.524588974	0.00042414	0.013432319
RNA5SP395	5.350643409	1.050264584	0.363425428	2.889903958	0.003853595	0.048716852
PARP9	5218.945311	1.050134099	0.256258941	4.097941309	4.16841E-05	0.003394582
CNTD2	17.34993415	1.049712915	0.295274872	3.555036387	0.000377927	0.012680929
OAS2	9799.110246	1.048730918	0.283619006	3.697675034	0.000217583	0.009144252
PKMYT1	77.44184952	1.048687214	0.308791106	3.396105636	0.00068352	0.017715748
RP11-173A16.1	36.40132066	1.04851177	0.260427656	4.026115298	5.67059E-05	0.004202285
LINC00534	11.74229966	1.047759524	0.340139111	3.080385317	0.00206733	0.033923455
TRAJ16	6.27302124	1.04773148	0.364314646	2.875897224	0.004028809	0.0496274
TCTEX1D4	64.45838553	1.044558945	0.295744129	3.531968487	0.000412479	0.013232644
FN1	170.5471511	1.044293171	0.362971223	2.877068775	0.004013881	0.049548364
CD300LD	9.650394275	1.043801676	0.351146276	2.972555166	0.002953321	0.041503312
S100A3	6.512295822	1.043776483	0.330349919	3.159608718	0.001579811	0.028970825
SMTNL1	147.8827139	1.043231084	0.256259452	4.070995524	4.68126E-05	0.003651715
TAS1R1	8.507962879	1.042669126	0.306490941	3.401957406	0.000669051	0.017561197
CFAP58	9.932223966	1.042565143	0.319184899	3.26633605	0.001089489	0.023561784
DLGAP5	83.22011931	1.042060965	0.351651797	2.963331833	0.003043283	0.042180965
RP11-874J12.4	17.89044505	1.041589412	0.353608074	2.945604154	0.003223246	0.043641849
MIR133A1HG	5.957730605	1.041444602	0.342925888	3.036937828	0.002389947	0.036467847
RP4-803J11.2	4.085038897	1.041016441	0.361082497	2.883043212	0.003938534	0.0492195
KIF20A	36.07096596	1.03891524	0.33801681	3.073560871	0.002115205	0.034322641
CTB-102L5.7	11.43556311	1.037767994	0.35022987	2.963105331	0.003045523	0.042185717
CHRNA	10.29971357	1.034699788	0.288241738	3.589694527	0.000331066	0.011833204
AC127904.2	19.28716485	1.033166285	0.31803226	3.248621018	0.001159659	0.024219076
ARG1	89.17916078	1.032605025	0.279473936	3.694816912	0.000220045	0.009207657
RP11-1094M14.7	26.78774222	1.032341521	0.266599762	3.872252221	0.000107834	0.00603872
SKA1	66.57313758	1.031888956	0.317489005	3.250156508	0.001153415	0.02416845
BTNL8	42.82140223	1.030399313	0.338304606	3.045773827	0.002320823	0.035920348
RN7SKP287	7.51309676	1.029740651	0.322606628	3.191938918	0.001413212	0.027197697
CDC42-IT1	16.71993364	1.02945647	0.353568711	2.911616435	0.003595639	0.046611218
RP1-68D18.2	48.48794842	1.027454259	0.256514256	4.005447007	6.19003E-05	0.004468077
IGHV1-24	112.1594701	1.024315422	0.33294862	3.076496974	0.002094484	0.034163298
RP11-420A6.2	8.25703197	1.023623353	0.30002627	3.411779085	0.000645404	0.017237202
MX2	6579.031611	1.023608879	0.233404513	4.385557362	1.15689E-05	0.001627849
RP5-867C24.1	15.85818306	1.023459974	0.294572423	3.474391679	0.000512013	0.015139336
MKI67	853.850526	1.022997971	0.343347485	2.979482934	0.002887353	0.041081454
IGLV3-25	271.7654603	1.022828698	0.353826263	2.890765341	0.00384305	0.048655284
BRCA2	268.2662159	1.02210645	0.162468485	6.291105947	3.15212E-10	1.16797E-06
RP11-39K24.14	24.23272538	1.021746711	0.351086855	2.910239153	0.003611523	0.04678583
RP13-638C3.2	15.33722583	1.021609579	0.279478339	3.655415952	0.000256765	0.010157307
REC8	1413.334694	1.02134028	0.195614432	5.221190844	1.77776E-07	9.41029E-05

CFLAR-AS1	88.02106213	1.019861731	0.269726928	3.781089776	0.000156143	0.007612673
AC015987.1	12.09938081	1.019781427	0.302120677	3.375410906	0.000737056	0.018515501
PPP1R26P1	18.53869219	1.019627338	0.326650354	3.121464058	0.001799542	0.031089512
RP11-271C24.3	15.60036552	1.019130637	0.297355425	3.427314757	0.000609582	0.016814179
SPATA3-AS1	11.59972308	1.019093631	0.351879484	2.896143932	0.003777791	0.047993055
PDCD1LG2	23.62455726	1.016464802	0.304890488	3.333868527	0.000856471	0.020192015
RP11-209D14.4	7.134250079	1.01486394	0.312869129	3.243733068	0.001179742	0.024443649
BTBD19	198.7183975	1.014850566	0.234581038	4.326225912	1.51686E-05	0.001916068
RN7SL34P	3.458308853	1.013855196	0.352571554	2.875601237	0.004032588	0.0496274
RP11-354M20.3	14.42590847	1.012030883	0.324941523	3.114501563	0.00184256	0.031534865
SNORA76A	12.11008949	1.0116153	0.295454098	3.423933895	0.000617216	0.016940683
SHC2	51.63555552	1.011329593	0.350249821	2.887452132	0.003883757	0.04883987
RMI2	80.88948673	1.010011797	0.261933147	3.855990769	0.000115262	0.006324569
CENPA	26.06487843	1.007270723	0.328470087	3.066552365	0.002165429	0.034834886
AC106900.6	7.195582621	1.004681283	0.337247284	2.97906412	0.002891303	0.041099387
ADORA2A	31.68767933	1.002663654	0.242453038	4.135496344	3.54188E-05	0.003093386
CDT1	124.4165906	1.002271478	0.312923452	3.202928611	0.001360377	0.026673323
AC073130.3	8.895402476	1.002107987	0.298350893	3.358823494	0.00078275	0.019228849
CEP55	83.35172069	1.001748482	0.337962578	2.964081075	0.003035883	0.042130929
DPF1	6.3955727	1.001667278	0.326961155	3.063566613	0.002187155	0.034968422
SPTSSB	50.98711969	-1.003106054	0.305030522	-3.288543219	0.001007073	0.022332498
CYYR1	11.68142914	-1.008145572	0.325539492	-3.096845689	0.001955917	0.032800957
LINC00638	17.55423112	-1.012647034	0.271855826	-3.724941453	0.000195361	0.008651904
ZNF600	872.3194551	-1.032457236	0.274366557	-3.763057889	0.000167848	0.00782403
RP3-467K16.4	32.19094997	-1.032651469	0.28117671	-3.672606704	0.000240089	0.009758054
FAM166A	6.144218706	-1.034926988	0.351370247	-2.945403025	0.003225342	0.043641849
TIFAB	32.71633164	-1.037338419	0.286284666	-3.623450866	0.000290698	0.010916905
CTB-39G8.3	27.38931745	-1.0389451	0.354950987	-2.927010033	0.003422378	0.045101551
RPL4P4	6.565133148	-1.039655586	0.359488212	-2.892043607	0.003827448	0.04851485
FSIP1	15.00992361	-1.041708036	0.311206209	-3.347324075	0.000815958	0.019675021
UNC45B	30.92963921	-1.04316147	0.206243913	-5.057901867	4.23894E-07	0.000165334
RP11-73G16.2	7.974467284	-1.043817548	0.353761116	-2.950628264	0.003171283	0.043307109
TMC2	2.721693924	-1.050831916	0.354695548	-2.962630692	0.003050223	0.04219823
EEF1A1P6	145.8712588	-1.053259259	0.295476721	-3.564609951	0.000364398	0.012514789
KCNK10	10.13681137	-1.059570788	0.319342192	-3.31797932	0.000906712	0.020841432
CDHR1	101.6536302	-1.065195201	0.223780265	-4.760005096	1.93588E-06	0.000500448
FAT4	44.17420703	-1.070546716	0.343712398	-3.114658425	0.00184158	0.031534865
FAM221B	6.524002705	-1.090491782	0.353288525	-3.086688934	0.002023993	0.033555114
CELA1	15.32156	-1.091534511	0.311734908	-3.501483101	0.000462676	0.013994857
RP11-203M5.6	36.73916907	-1.092135162	0.360135614	-3.032566397	0.002424837	0.036722743
TRBJ2-5	2.97021598	-1.092401242	0.338978067	-3.222631044	0.00127019	0.02573422
CXXC4	7.25733952	-1.093084441	0.349696822	-3.125806048	0.001773185	0.03080525
KRT81	2.486982253	-1.095875281	0.375647013	-2.917300664	0.003530752	0.046038527
RP11-629G13.1	2.313135035	-1.107809689	0.385017836	-2.877294464	0.004011011	0.049548364
C10orf82	6.27300668	-1.113061463	0.37985756	-2.930207481	0.003387357	0.044897716
CD207	5.979557809	-1.124831601	0.336615569	-3.341591135	0.000832997	0.019870367
SLC12A3	40.91568809	-1.129379919	0.286303272	-3.944697907	7.99006E-05	0.005209241
RP11-495K9.7	4.39107231	-1.130856866	0.380523781	-2.971842819	0.002960182	0.041537925
TRDV2	71.52765513	-1.137292001	0.378296182	-3.006353369	0.002644015	0.038847764
NPM1P27	5.140881015	-1.142384467	0.371514196	-3.074941632	0.002105438	0.034279584
LILRA4	162.087098	-1.152211671	0.267159969	-4.312815565	1.61189E-05	0.00200198
AC008984.6	2.669520788	-1.152562251	0.384679497	-2.996162416	0.002734008	0.039805147
LIM2	21.86997457	-1.166961826	0.29450787	-3.962413046	7.4196E-05	0.005011804
RPL7AP6	28.0651545	-1.17159163	0.344463851	-3.401203425	0.000670899	0.017588942

SLC4A3	72.75342094	-1.171650283	0.253124018	-4.628759825	3.67862E-06	0.000763287
AC074183.4	2.846063616	-1.18048347	0.370081351	-3.189794531	0.00142374	0.027286709
SLC16A2	5.166760936	-1.181522244	0.323370957	-3.653767345	0.00025842	0.010180664
CLEC4C	79.06933966	-1.182972048	0.243522792	-4.857746731	1.18729E-06	0.000356701
SMOC1	4.514577344	-1.188712876	0.360499426	-3.297405742	0.000975824	0.02188902
SLC34A1	5.801401484	-1.191063686	0.326753047	-3.645149437	0.000267236	0.010404906
COL13A1	22.52995926	-1.195915245	0.349947722	-3.417411147	0.000632197	0.017069152
RP5-1171110.5	682.029867	-1.196764678	0.256708454	-4.661960529	3.13211E-06	0.000682678
PRICKLE2	6.920721503	-1.199968375	0.308936621	-3.884189485	0.000102672	0.005880325
SHISA3	3.003691887	-1.207805681	0.381526883	-3.165715801	0.001547019	0.028756955
EEF1A1P9	8.818205733	-1.218885237	0.383520309	-3.178150434	0.001482178	0.028040659
AC007228.9	2.493249364	-1.228038385	0.385082588	-3.189025998	0.00142753	0.027316329
SORBS2	9.831922557	-1.241056484	0.364221309	-3.407424148	0.000655791	0.017420088
FEZ1	78.65039959	-1.252376894	0.285226536	-4.390814791	1.12927E-05	0.001618941
RP4-622L5.7	2.29578805	-1.254561524	0.355289613	-3.531095416	0.000413842	0.013238194
RGS17	4.85512619	-1.290699758	0.321630074	-4.012994628	5.99533E-05	0.004370103
KCNA5	5.368428962	-1.308056588	0.333591587	-3.921131827	8.8134E-05	0.005489492
RPS2P7	5.268256184	-1.316133479	0.375396271	-3.505984424	0.000454922	0.013871974
SIGLEC17P	193.9998462	-1.325627089	0.288761753	-4.590729475	4.417E-06	0.000867816
LDB2	25.48559162	-1.33613226	0.337348486	-3.960688471	7.4734E-05	0.005011804
DNASE1L3	46.73660682	-1.342787966	0.283143283	-4.742432699	2.11167E-06	0.000518198
CHL1	14.2613269	-1.346225388	0.365426287	-3.683986175	0.000229615	0.009418439
HTR3A	9.128040474	-1.351287215	0.312616398	-4.322509069	1.54265E-05	0.001928315
AC007405.4	2.759416613	-1.354727183	0.3845915	-3.522509425	0.000427482	0.01346144
CTD-2616J11.2	3.692457041	-1.407084514	0.311760129	-4.513356212	6.38097E-06	0.001082914
SAXO2	51.52826268	-1.517367825	0.373117563	-4.066728498	4.76777E-05	0.003706194

Additional file 2: Table S2: METTL1-coexpressed DEGs in dataset

LAMP3
CD83
BCL2L14
SLCO5A1
BRCA2
TMC2
CYR1
SIGLEC17P
RMI2
OR56B2P
GBP6
PGAP1
PDCD1LG2
MAFB
LINC00487
MIR23A
H2AFZP1
RNU2-6P
RPL4P4
EEF1A1P6
SRGAP2-AS1
RPS2P7
RPL23AP81
EEF1A1P9
NPM1P27
RNA5SP395
IGLV1-70
TIFAB
TMEM178B
RN7SL431P
IGKV5-2
IGKV3D-20
IGLV4-60
IGLV3-19
IGKV2D-30

Additional file 3: Table 3: Analysis of immune cell infiltration by ssGSEA in dataset

Sample	Activated B cell	Activated CD4 T cell	Activated CD8 T cell	Activated dendritic cell	CD56bright natural killer	CD56dim natural killer	CD56dim natural killer c
Healthy1	0.514913704	0.521763036	0.828236646	0.389477446	0.354501236	0.45173585	
Healthy2	0.482908458	0.473699396	0.813190449	0.375567922	0.346586682	0.457654468	
Healthy3	0.455907053	0.466502222	0.810158366	0.440846641	0.373770863	0.446918342	
Healthy4	0.469915495	0.464159097	0.798092148	0.374031403	0.337945115	0.416186078	
Healthy5	0.384480305	0.448871588	0.75708154	0.447779233	0.340651726	0.422003334	
Healthy6	0.426240878	0.439945075	0.762616854	0.404920767	0.359161438	0.435574087	
SLE1	0.420139605	0.536437647	0.801310967	0.396012832	0.308718177	0.40095213	
SLE2	0.460102281	0.409733752	0.762071732	0.430473818	0.330668429	0.401217584	
SLE3	0.505998357	0.426413686	0.763257517	0.41493619	0.350276578	0.425931345	
SLE4	0.352521974	0.483889641	0.792341738	0.44991469	0.359265207	0.421814118	
SLE5	0.595522052	0.547529885	0.801494257	0.407591476	0.284708197	0.380356405	
SLE6	0.3800401	0.513290147	0.796483646	0.452303911	0.292390887	0.392868261	
SLE7	0.314466748	0.539440508	0.772350902	0.433634206	0.353371841	0.437709689	
SLE8	0.525828685	0.625501837	0.821586244	0.418812894	0.294562133	0.385675228	
SLE9	0.596616409	0.516701231	0.781603745	0.321562241	0.320339769	0.356486036	
SLE10	0.606742817	0.559274525	0.796370355	0.424503177	0.320920376	0.403597885	
SLE11	0.136459501	0.441191874	0.756663439	0.483044569	0.297944688	0.344103471	
SLE12	0.406832617	0.435721547	0.76942708	0.448482279	0.308357841	0.43009715	
SLE13	0.459092834	0.483252472	0.787308331	0.424246752	0.319653451	0.399744309	
SLE14	0.481217853	0.485542212	0.768292894	0.389031649	0.318904082	0.371716875	
SLE15	0.326866554	0.36379351	0.736853211	0.402765286	0.350601257	0.36604521	
SLE16	0.491148862	0.499054137	0.747649756	0.424715936	0.308198532	0.389513776	
SLE17	0.663565476	0.579787425	0.845712697	0.419902565	0.294704629	0.394954239	
SLE18	0.405429173	0.506827714	0.786766483	0.43083193	0.368702434	0.429034517	
SLE19	0.409923359	0.579055823	0.813774869	0.402381151	0.320577582	0.363544882	
SLE20	0.376151839	0.558458044	0.796007533	0.4111590799	0.320345479	0.466459415	

Central memory CD4 T	Central memory CD8 T	Effector memory CD4 T	Effector memory CD8 T	Eosinophil	Gamma delta T cell
0.837214187	0.515284902	0.423724175	0.70462102	0.170238236	0.381718351
0.821770735	0.475090199	0.416534075	0.709619462	0.146129854	0.373205966
0.800559735	0.529321086	0.400371176	0.692574636	0.170839009	0.414634117
0.813603074	0.507474536	0.408666014	0.713405883	0.150227198	0.403942432
0.796006945	0.513414635	0.381746063	0.622136225	0.2139503	0.390815024
0.800670903	0.464779937	0.403383302	0.652693945	0.144480069	0.392531061
0.841330487	0.50611221	0.393224047	0.624235148	0.142290239	0.349254071
0.777785885	0.537297221	0.389667992	0.668346552	0.194893276	0.402147502
0.78540979	0.537589637	0.403620716	0.665730843	0.245694678	0.41154862
0.839621509	0.522752038	0.424685945	0.658251684	0.258429825	0.385454764
0.825689803	0.433196317	0.397979837	0.671972137	0.172671364	0.368908206
0.803294851	0.517842545	0.409993474	0.664497461	0.082761749	0.389350459
0.808842592	0.541003391	0.416763497	0.675201114	0.23501775	0.39353366
0.805318058	0.488838297	0.394170567	0.661626116	0.172581596	0.392562262
0.794742627	0.445811291	0.358331167	0.653374442	0.110062081	0.348202955
0.835981853	0.519836414	0.35798939	0.64048813	0.155945357	0.325361204
0.758012196	0.561021321	0.372766995	0.633847134	0.139950326	0.427547375
0.803276441	0.504262464	0.398757877	0.634430358	0.191425981	0.398208919
0.809675194	0.542729336	0.427002997	0.684534043	0.161870643	0.406687404
0.785954207	0.520579128	0.380001264	0.677045877	0.129702838	0.357326739
0.795461778	0.521728679	0.400736593	0.633639183	0.175788754	0.388789385
0.790220609	0.532979951	0.36900158	0.615380422	0.121544651	0.36587217
0.876339625	0.501815156	0.371708131	0.680885428	0.201911323	0.323088482
0.828425843	0.583545706	0.421603901	0.658168867	0.18794064	0.423606605
0.854379624	0.541705305	0.436509584	0.649998936	0.151437819	0.377468537
0.82284094	0.551555731	0.43771963	0.66299539	0.191380436	0.434068018

Immature B cell	Immature dendritic cell	Macrophage	Mast cell	MDSC	Memory B cell
0.779456142	0.514627011	0.360917785	0.326658933	1	0.255642408
0.748855219	0.524652981	0.38971308	0.354992596	1	0.241873197
0.736698226	0.508991902	0.455175185	0.3801059	1	0.253445761
0.748236446	0.491762123	0.418815277	0.34123949	1	0.244709472
0.74075044	0.52116862	0.402378093	0.335622264	1	0.183941153
0.733369916	0.515265182	0.419440943	0.404436091	1	0.200539636
0.758176558	0.455136367	0.323290619	0.276645735	1	0.210674955
0.761324749	0.494083428	0.430236216	0.356456462	1	0.18262865
0.796308932	0.491216893	0.456292483	0.354311542	1	0.218361194
0.653217065	0.53208233	0.384912597	0.420700228	1	0.235766817
0.882470696	0.482562011	0.326628837	0.291128954	1	0.213571641
0.740903455	0.476225868	0.417863972	0.286617683	1	0.214694972
0.672968501	0.512813007	0.424896903	0.416807961	1	0.237180037
0.743220263	0.488965797	0.34608629	0.344900017	1	0.274121144
0.903808317	0.47574372	0.360595078	0.353552394	1	0.253527606
0.884726481	0.473083108	0.265202509	0.390684639	1	0.241179809
0.574419982	0.518044206	0.47101572	0.531061841	1	0.115576619
0.720092445	0.534695661	0.456468791	0.505293334	1	0.194101903
0.767521906	0.495835018	0.383554985	0.327735237	1	0.226800841
0.849573512	0.472414417	0.365420003	0.365502037	1	0.259040593
0.731500973	0.491971205	0.433374285	0.410139569	1	0.158183843
0.785635637	0.460896634	0.36320124	0.349471848	1	0.229274847
0.945922698	0.511287627	0.220859544	0.370936448	1	0.246420126
0.738907725	0.555967694	0.461621046	0.427611722	1	0.231869904
0.740047099	0.511111107	0.377540424	0.355276248	1	0.322620942
0.664908171	0.50577537	0.41075981	0.373792261	1	0.258559814

Monocyte	Natural killer cell	Natural killer T cell	Neutrophil	Plasmacytoid dendritic c	Regulatory T cell
0.79949643	0.272872431	0.256640892	0.371804394	0.673793208	0.438712301
0.803355116	0.240934778	0.225682071	0.384905826	0.660125207	0.455765857
0.818367921	0.278938989	0.256137763	0.509177739	0.673362428	0.495720949
0.813627141	0.253665134	0.209837299	0.453816863	0.659472978	0.464045833
0.822858983	0.240934417	0.249426594	0.389211399	0.698922096	0.458960873
0.821111889	0.236192689	0.214342143	0.436651474	0.667461353	0.468650557
0.793038646	0.217264999	0.196042357	0.334623926	0.682691827	0.413941765
0.808446542	0.228478732	0.212453038	0.556172993	0.678927276	0.499225952
0.799912947	0.24807462	0.215390218	0.507854481	0.681837776	0.498846047
0.816111652	0.248675424	0.218623176	0.623385211	0.739802906	0.390437765
0.758648786	0.213128747	0.148300695	0.603408451	0.712544771	0.428302861
0.784334398	0.271035099	0.237437329	0.640299294	0.679031236	0.516773371
0.820502805	0.279418006	0.218398079	0.593723062	0.695929591	0.465414995
0.760250246	0.226022234	0.180641628	0.505135875	0.687139159	0.467833537
0.777265469	0.194441876	0.146908731	0.431633195	0.65558379	0.448449158
0.751996793	0.208199472	0.16652064	0.583318144	0.683903596	0.421027311
0.785914684	0.267268885	0.259089132	0.716110951	0.692191262	0.460043142
0.832520099	0.272870401	0.195412056	0.627590466	0.702471725	0.448688094
0.815990688	0.24385104	0.229373367	0.40320656	0.713378602	0.511180376
0.757930674	0.21713973	0.202971517	0.508161604	0.668046293	0.475799083
0.810116777	0.214945961	0.183697943	0.531178726	0.700138164	0.472466616
0.785395589	0.20819692	0.172498484	0.559065774	0.67764415	0.456373875
0.723570509	0.202358206	0.193516971	0.604430134	0.660858441	0.389291541
0.839475974	0.290290161	0.253063114	0.637744856	0.727094599	0.499575524
0.798274211	0.243962935	0.191940382	0.376580664	0.682503479	0.446884873
0.806889217	0.275820037	0.269357664	0.476693864	0.695560045	0.462115084

T follicular helper cell	Type 1 T helper cell	Type 17 T helper cell	Type 2 T helper cell
0.36342307	0.316194683	0	0.070963613
0.340084586	0.311002223	0	0.042931327
0.333292835	0.33610959	0	0.083594279
0.329804635	0.312502047	0	0.058218916
0.369015942	0.293679696	0.034769228	0
0.344052102	0.313235885	0	0.000517803
0.302616145	0.302203837	0	0.055792509
0.347604219	0.296935967	0	0.002632915
0.345225692	0.311273992	0	0.028172961
0.326814003	0.298397007	0	0.00937265
0.281563175	0.303072735	0	0.022862578
0.327175365	0.303810829	0	0.076662277
0.329298691	0.298021765	0	0.076738977
0.328965724	0.321326485	0	0.096748226
0.285276906	0.270016181	0	0.018164498
0.279274102	0.269344308	0	0.017439681
0.308040086	0.263720334	0	0.017234794
0.310465361	0.298383589	0.016667184	0
0.334469678	0.308364373	0	0.044675047
0.343672551	0.289577908	0	0.048340982
0.288156564	0.277500128	0	0.008463298
0.303503698	0.264990473	0	0.021979336
0.269597296	0.274618403	0	0.022725868
0.345737682	0.313966368	0	0.078323179
0.305931812	0.31876593	0	0.08585377
0.362139818	0.331478414	0	0.098028589

Additional file 4: Table 4: Correlation between METTL1 and immune cells

Gene	Immune cell	correlation	pvalue
METTL1	Activated B cell	0.620707931	0.00349621
METTL1	Activated CD4 T cell	0.56571245	0.009328622
METTL1	Activated CD8 T cell	0.675918036	0.001070351
METTL1	Activated dendritic cell	-0.379218963	0.099150788
METTL1	CD56bright natural killer cell	-0.156865552	0.508957853
METTL1	CD56dim natural killer cell	-0.084503688	0.723179281
METTL1	Central memory CD4 T cell	0.699122163	0.000603601
METTL1	Central memory CD8 T cell	-0.278769766	0.233968707
METTL1	Effector memory CD4 T cel	-0.184349282	0.436536962
METTL1	Effector memory CD8 T cel	0.235901533	0.316692265
METTL1	Eosinophil	0.063560963	0.79007038
METTL1	Gamma delta T cell	-0.615944027	0.003833234
METTL1	Immature B cell	0.629916054	0.00291425
METTL1	Immature dendritic cell	-0.015103765	0.949607187
METTL1	Macrophage	-0.681244587	0.000942628
METTL1	Mast cell	-0.229522461	0.330333787
METTL1	Memory B cell	0.580151812	0.007327493
METTL1	Monocyte	-0.584840368	0.006759069
METTL1	Natural killer cell	-0.390584771	0.088628307
METTL1	Natural killer T cell	-0.352059432	0.127933659
METTL1	Neutrophil	-0.15854185	0.504382793
METTL1	Plasmacytoid dendritic cell	-0.442239394	0.050886141
METTL1	Regulatory T cell	-0.517048798	0.019568208
METTL1	T follicular helper cell	-0.486931104	0.02945175
METTL1	Type 1 T helper cell	-0.100402773	0.673630873
METTL1	Type 17 T helper cell	-0.200840371	0.395851918
METTL1	Type 2 T helper cell	0.087934071	0.712390726

Additional file 5: Table 5: ImmuneDEGs in dataset

DEGs:

IFI44L FFAR2 RP11-1149M10.1 NRIR RSAD2 RP11-925D8.3 ZDHHC4P1 USP18 IFIT3 CTD-3247F14.2 GBP1P1 CTA-384D8.31
RP11-16C1.2 HMGB1P3 SNORA51 CMPK2 ISG15 MTOR-AS1 IFI6 CTD-2373N4.5 IFIT1 LINC00487 GALNT14 MTND4P14 IFI44
AC002511.3 LAMP3 RP11-336A10.2 CTD-2047H16.2 MTND1P11 IFI27 AC098831.4 RP11-34P13.9 AC009505.2 RP11-288L9.4
EPST11 RP11-665C16.1 PCCA-AS1 IGKV3D-15 CHRNB2 RN7SL127P AP001610.5 SERPING1 HERC5 SPATS2L RP11-493P1.2
SRGAP2-AS1 RP11-421E14.2 CTD-2047H16.4 OTOF MIR645 OASL PROK2 AP001626.1 RP11-925D8.6 MUC5B RP11-280G9.1
RNU4ATAC12P CCL2 RPL7P49 IFIT2 DLGAP1 AC093627.12 RP11-925D8.5 IGL2 EGR3 DNM1P34 LGALS3BP RP11-477G18.2
RP11-69H7.2 FCF1P1 TMEM178B AC002543.2 RN7SL798P OR52P1P ADORA2A-AS1 RP11-405F3.4 FAM225A IGLV3-19 TNFAIP6
RN7SL558P RP11-616K22.2 RP11-96C23.9 RP11-52J3.2 MAP6 OR56B2P CAV1 RP11-561O23.8 C17orf77 Z85986.1 RP11-324E6.6
SIGLEC1 RP11-196G18.3 RN7SKP243 CHGA RP11-16E23.3 IFITM3 RP1-228H13.2 OAS3 MARK2P8 RP11-91P24.1 ALAS2 CSRP2
MRPL53P1 SNORA31 MX1 RP11-670E13.3 CNN2P1 RP11-737O24.3 AC009542.2 CSNK1G2P1 ALG1L RP11-39K24.4 RP11-
627K11.3 ANXA3 AP001469.5 AMZ2P2 CXCL13 CACNA1E CTD-2313J17.1 AGRN IGKV2D-30 KREMEN1 IGLV1-70 TET2-AS1 LPAR3
ANKRD44-IT1 EIF2AK2 MGAM2 RP11-701P16.2 LRRC4B RP4-676J13.2 IGKV3-15 RP4-641G12.3 FFAR3 RP11-16C1.1 CBS
RN7SL502P RP11-557C18.3 MIR3909 MIR4441 RP11-517O13.1 SLC1A2 CTC-505O3.3 CTC-450M9.1 MIR644A RNU7-40P IGKV1D-
39 RNU6-638P RP11-1086F11.1 FCGR3B IL13 RSPO4 RP11-44N11.1 ZNF90P1 MKRNP2 PXT1 RP3-509L4.3 IGLV1-40 SLC12A8
AC008937.2 CENPUP2 HMG2P28 MIR221 SNORA70G RP11-460N11.2 IGKV3D-20 CSF2RBP1 GMPR ADRB1 B3GNT5 RP3-
415N12.1 HNRNPA1P34 E2F7 RP11-90D4.3 HMGB1P14 IGLV2-14 GAPDHP42 KREMEN2 RP11-326L17.1 RP11-723D22.2
RPS20P15 MESP1 APOBEC3A RP3-403L10.3 LY6E IGHG3 TRPC5 AC019084.7 SPAG6 CXCL11 RN7SKP292 RP11-467L19.8
ZNF462 RP5-1099D15.1 RP11-848G14.2 AP001628.6 MIR4540 MIR623 GDAP1L1 RP1-71H24.1 BCL2L14 H2AFZP1 ADAMTS7P3
DDX60 HERC6 MIR23A RNU6-611P RP11-318K15.2 CTD-3105H18.8 RN7SKP16 FAM155B ESRP2 RP11-638I2.9 RP11-273G15.2
CEACAM1 UCHL1 RNU6V IFIT1B AC010149.4 HBA1 RP11-409K20.6 RP11-552C15.1 AL109761.5 IGLV6-57 RN7SL444P RP11-
252K23.2 AC002400.1 MTND5P14 CTD-3037G24.3 PKN2-AS1 RP11-553K8.5 MIR5695 RNA5SP151 RP11-95O2.1 GDF15 ABCA1
HBQ1 RP11-101O6.2 IFIT5 KCNN3 AC159540.14 RLB1 RP11-17G12.2 OR2W3 RP11-5P18.1 PLN CA1 RP11-476D10.1 OLR1
RP11-39K24.12 CXCL1 HNRNPA3P15 IGKV5-2 EMP1 CARS-AS1 HESX1 TWIST1 MYBL2 RPL23AP81 RP11-153M7.5 RP11-
214O1.3 E2F8 RPL13AP6 RN7SKP163 EHD4-AS1 TRAJ34 HBA2 GYPA snoU13 MIR5685 RNU6-118P IGLV3-21 PGLYRP1
AP000350.6 AC096558.1 RP11-39K24.13 LYG2 AC093732.1 FOXI1 AC083884.8 TNFRSF12A AP000662.9 SLC4A1 SPATA21 SYN2
RPS20P31 CTD-3105H18.11 RP11-345J4.6 CTC-265F19.1 LINC00593 AC110781.3 BATF2 CTD-2542L18.1 KLHDC7B RRM2 CD83
TMOD1 UBE2CP1 RYK1 HBM MOXD1 CA4 FOSL1 TCF3P1 RNF182 RP11-114M5.1 MIR199A1 TKTL2 ETV7 BACH1-IT2 ASPM
SCARNA3 SLCO5A1 AC004893.10 RP11-468E2.4 IGLV4-60 SNORD71 LCN2 TMEM14E RP11-363N22.2 HES4 BHLHA15 RP11-
182I10.2 MIR1285-1 RP11-152L20.3 CTD-2024I7.13 ANGPTL1 RTSEL1P1 RP5-850O15.3 RP11-667K14.5 HELZ2 RP11-172E10.1
LMOD2 IGKV1-5 MIR1250 IGLV8-61 PARP14 NLRP9P RP11-439A17.9 CTD-2288F12.1 ANLN RP11-665G4.1 TXNDC5 RP11-96D1.9
RNU6-920P CFAP58-AS1 ERVFRD-1 TSPAN1 FAM20A RP11-296A18.5 MT2A RGS20 MAFB RP11-213H15.1 KCNJ15 GRIP2 PGAP1
RAP1GAP RN7SL431P MME SNORA72 IGHD4-4 DENND6A-AS1 RP11-535C21.3 ATP5G2P3 HJURP RPS12P27 GBP6 SPDYE2B
AC124914.3 DOCK4 FAM183B OR2L2 SMG1P1 RNU6-1024P IGHV3-33 LKAAEAR1 RP11-211N11.5 RP11-254B13.4 CKAP2L
TRAJ29 RP11-153M7.1 RNU6-481P NFE4 MIR553 RNU2-6P RP11-128B16.3 RNA5SP395 PARP9 CNTD2 OAS2 PKMYT1 RP11-
173A16.1 LINC00534 TRAJ16 TCTEX1D4 FN1 CD300LD S100A3 SMTNL1 TAS1R1 CFAP58 DLGAP5 RP11-874J12.4 MIR133A1HG
RP4-803J11.2 KIF20A CTB-102L5.7 CHRNG AC127904.2 ARG1 RP11-1094M14.7 SKA1 BTNL8 RN7SKP287 CDC42-IT1 RP1-
68D18.2 IGHV1-24 RP11-420A6.2 MX2 RP5-867C24.1 MKI67 IGLV3-25 BRCA2 RP11-39K24.14 RP13-638C3.2 REC8 CFLAR-AS1
AC015987.1 PPP1R26P1 RP11-271C24.3 SPATA3-AS1 PDCD1LG2 RP11-209D14.4 BTBD19 RN7SL34P RP11-354M20.3
SNORA76A SHC2 RMI2 CENPAAC106900.6 ADORA2A CDT1 AC073130.3 CEP55 DPF1 SPTSSB CYR1 LINC00638 ZNF600 RP3-
467K16.4 FAM166A TIFAB CTB-39G8.3 RPL4P4 FSIP1 UNC45B RP11-73G16.2 TMC2 EEF1A1P6 KCNK10 CDHR1 FAT4 FAM221B
CELA1 RP11-203M5.6 TRBJ2-5 CXXC4 KRT81 RP11-629G13.1 C10orf82 CD207 SLC12A3 RP11-495K9.7 TRDV2 NPM1P27 LILRA4

AC008984.6 LIM2 RPL7AP6 SLC4A3 AC074183.4 SLC16A2 CLEC4C SMOC1 SLC34A1 COL13A1 RP5-117110.5 PRICKLE2
SHISA3 EEF1A1P9 AC007228.9 SORBS2 FEZ1 RP4-622L5.7 RGS17 KCNA5 RPS2P7 SIGLEC17P LDB2 DNASE1L3 CHL1 HTR3A
AC007405.4 CTD-2616J11.2 SAXO2

Immune-related genes:

AZGP1 B2M CALR CANX CD1A CD1B CD1C CD1D CD1E CD4 CD8A CD8B CD74 CREB1 CTSE CTSL1 CTSS FCER1G
FCGRT PDIA3 HFE HLA-A HLA-B HLA-C HLA-DMA HLA-DMB HLA-DOA HLA-DOB HLA-DPA1 HLA-DPB1 HLA-DQA1 HLA-DQA2
HLA-DQB1 HLA-DRA HLA-DRB1 HLA-DRB3 HLA-DRB4 HLA-DRB5 HLA-E HLA-F HLA-G HLA-H MR1 HSPA1A HSPA1B HSPA1L
HSPA2 HSPA4 HSPA5 HSPA6 HSPA8 HSP90AA1 HSP90AB1 ICAM1 IFNA1 IFNA2 IFNA4 IFNA5 IFNA6 IFNA7 IFNA8 IFNA10 IFNA13
IFNA14 IFNA16 IFNA17 IFNA21 IFNG KIR2DL1 KIR2DL2 KIR2DL3 KIR2DL4 KIR2DS1 KIR2DS3 KIR2DS4 KIR2DS5 KIR3DL1
KIR3DL2 KLRC1 KLRC2 KLRC3 KLRD1 LTA CIITA MICA MICB NFYA NFYB NFYC LGMN PSMB8 PSMC1 PSMC2 PSMC3 PSMC4
PSMC5 PSMC6 PSMD1 PSMD2 PSMD3 PSMD4 PSMD5 PSMD7 PSMD8 PSMD10 PSMD11 PSMD13 PSME1 PSME2 PSME3
PSME4 RELB RFX5 RFXAP SLC10A2 TAP1 TAP2 TAPBP THBS1 SHFM1 KLRC4 AP3B1 RFXANK PSMD6 PSME3 PSMD14
CLEC4M IFI30 PROCR ADRM1 KIAA0368 TRPC4AP CD209 UBXN1 ERAP1 TAPBP KIR2DL5A ERAP2 ULBP3 ULBP2 ULBP1
KIR3DL3 RAET1E RAET1L UBR1 RAET1G PDIA2 HAMP PI3 CAMP DEFB4 PPBP REG3G CXCL14 CXCL16 SLPI IL8 CXCL10
CXCL9 CXCL5 CXCL11 CXCL6 CXCL1 CXCL12 CXCL13 CXCL2 PF4 XCL1 CXCL3 DEFB103A CCL13 CCL1 DEFB1 CCL8 ELANE
DEFB103B DEFA3 DEFA1 TMSB10 DEFA6 DEFA5 DEFA4 LCN2 LCN1 COLEC10 BPI S100A9 S100A8 DCD LCN6 S100A12 HTN3
LCN8 LOC728358 CCR10 CELA1 DEFB106A PENK BPIL2 MMP12 BPIL3 LEAP2 SFTPD LCN9 BPIL1 PTGDS TMSB4X PGLYRP1
ZC3HAV1 TMSB15A S100B S100A13 S100A6 DEFB119 DEFB107A DEFB105A SERPIND1 DEFB129 DEFB127 S100P S100A7
DEFB104A DEFB126 DEFB106B DEFB104B DEFB107B PGLYRP3 PGLYRP2 S100A10 S100A2 DEFB125 DEFB123 DEFB105B
DEFB132 C20orf185 LCN12 PGLYRP4 S100A11 S100A5 S100A3 S100A1 DEFB128 DEFB108B HTN1 LMBR1L S100A7A DEFB118
COLEC12 TMSB4Y DEFB131 DEFB134 DEFB130 DEFB124 DEFB121 DEFB116 DEFB115 DEFB114 DEFB113 DEFB112 DEFB110
TMSB15B DEFB133 S100Z MAVS TMSL3 S100A14 LCN10 S100A16 DEFB137 DEFB136 DEFB117 DEFB111 ZC3HAV1L S100A7L2
LOC731414 LOC730963 COLEC2 DEFB4P C20orf186 IFNAR1 AZU1 LOC729523 LOC100130154 LOC100134379 LOC100134289
LOC100129216 DEFA1A3 LOC100131433 LCN1L1 S100G LOC648637 LOC100130969 LOC100133267 LOC100133128
LOC100128174 TCHHL1 TINAGL1 IFNGR1 SLC22A17 WFIKKN1 WFDC2 IL6 UMODL1 TGFB1 PF4V1 MMP9 KAL1 TLR4 IFNG
SPAG11B A2M CTSL1 NFKB1 APOBEC3G FABP6 NOD2 MBL2 SFTPA1B RBP1 TLR2 SLC40A1 PLAU IL1B PAEP HFE2 MUC5AC
CTSS OBP2A PLTP MX1 DDX58 IL29 IRF3 SFTPA2 SFTPA2B LPA LBP RBP4 SFTPA1 NOX4 LTF IFNB1 RBP5 FABP7 FABP5 FABP3
FABP2 FABP4 R3HDM1 C20orf71 C20orf114 OASL CRABP2 CRABP1 RBP7 DUOX1 OBP2B RBP2 LCN15 CETP FABP12 FABP9
PLUNC LCNL1 C8G SPAG11A PI15 NOX1 PMP2 APOD ORM2 ORM1 TNF CTSG PRTN3 MAPK1 PML AEN CYBB C20orf70 ISG20
BCL3 ISG20L2 NOX5 NOX3 DUOX2 TLR3 TFRC IFIH1 LRP1 TRIM5 IDO1 GDF15 NEDD4 ADIPOQ STAT3 STAT1 IL28A SOCS3
SEMG1 TNFSF10 CCL20 SOCS1 RNASEL IRF1 IL15 APOBEC3F RARRES3 CHIT1 IFNA1 CD40 TLR7 PPIA HFE ZYX NLRX1 PGC
VEGFA IKBKE ISG15 DHX58 TNFAIP3 TFR2 FCN2 MUC4 F2R ELN IL27 MAPT LYZ CCL5 LEP CYLD KLKB1 CST4 CSRP1 MAPK14
JUN ITGAV IRF5 CCR6 IL12B TLR8 GNLY CD81 EIF2AK2 APOM CACYBP NOD1 MAPK8 MAPK3 BST2 BPHL PLA2G2A GRN
NEWENTRY PDGFRA GNAI1 WNT5A FURIN ADAR TYK2 NOS2 TRAF3 TPT1 TPM2 NEO1 AHNAK TLR1 TK2 PRDX2 MX2 FGF2
FGA TCF7L2 F2RL1 DAK MSR1 NFKBIZ LMBR1 SPINLW1 SRC MPO ELAVL1 ROBO3 SP1 SOD1 PDF DLL4 ECD SLC11A1 DMBT1
TMEM173 SKIV2L SEMG2 LTA DES DCK DAXX TNFRSF10A TNFRSF10B EED CCL4 LIMS1 LALBA APOBEC3H TMPRSS6 SPINK5
MARCO BECN1 TNFSF11 KNG1 CSK KLRK1 KCNH2 JUND JAK1 CREB1 CLDN4 CCL28 RNASE3 RN7SL1 IRF7 IREB2 ILK IL18
IL17A LTB4R APOBEC3A MASP2 TRIM27 RELA IL7R IL1A PTX3 IFNAR2 IFN1@ SYTL1 APOBEC3C DDX17 PTGS2 HTR1A SEPT-
7 CD40LG CD14 CD8A CD4 MASP1 PROC MAP2K2 MAP2K1 HRG NDRG1 IRF9 TRIM22 LANCL1 PPP4C HMOX1 HMGB1 HLA-B
RNASE7 ABCC4 HGF HDAC1 IL28RA PLSCR1 B2M BACH2 TANK PIK3CG ARRB1 RSAD2 STAB2 TBK1 PDYN PDGFRB PDCD1
PCSK2 PCSK1 ARG2 AQP9 FASLG APOH BIRC5 ANXA6 IL22 VTN VIM VCAM1 PRDX1 GFAP GBP2 ALB SLC29A3 OAS1 AGER
UNC93B1 TNFSF4 NOS1 ACTG1 ACTA1 ACO1 SERPINA3 IL8RA CCL15 CCL14 CCL4 CCL16 CCL19 CCL13 CCL18 CCL17 CCL26
CCL22 CCR3 CCL28 CCL4L2 CCBP2 CCR7 CCL27 CCR8 CCRL1 CCR10 CCL2 CCL21 CCL7 CCL5 CCL3 CCL20 CCL11 CCR5

CCL23 CCL25 CCL1 CCL3L3 CCL4L1 CXCL12 XCL1 CCL8 CCL3L1 CCR1 CCL24 XCL2 CXCL1 CXCL10 CXCR4 CXCL2 CXCR6
CCR4 CXCL11 FAM19A5 FAM19A3 FAM19A4 FAM19A1 FAM19A2 CCL14-CCL15 IL6 TNF IL1B IL18 PTK2B VEGFA IL4 CDH1 CD40
DEFB103A F2RL1 MMP9 LTBP1 DEFB4 TNFSF10 IL13 IL10 IL2 PPARG FGR MIF CRP JAK2 IL1A PTK2 PTGDR CD86 HCK ARRB1
GNAI1 VDR OLR1 ADRBK1 TXK RNASE2 CD79A CD79B LYN SYK BTK BLNK VAV3 VAV1 VAV2 RAC1 RAC2 RAC3 PPP3CA
PPP3CB PPP3CC CHP PPP3R1 PPP3R2 CHP2 NFAT5 NFATC1 NFATC2 NFATC3 NFATC4 HRAS KRAS NRAS FOS JUN CARD11
BCL10 MALT1 CHUK IKKBK IKKBG NFKB1 RELB NFKBIA NFKBIB NFKBIE CD81 CD19 CR2 PIK3R5 PIK3R1 PIK3R2 PIK3R3
PIK3CA PIK3CB PIK3CD PIK3CG AKT3 AKT1 AKT2 GSK3B INPP5D CD22 CD72 PTPN6 LILRB3 FCGR2B RASGRP3 PLCG2 PRKCB
IFITM1 IGH@ IGHA1 IGHA2 IGHD IGHD@ IGHD1-1 IGHD1-14 IGHD1-20 IGHD1-26 IGHD1-7 IGHD2-15 IGHD2-2 IGHD2-21 IGHD2-
8 IGHD3-10 IGHD3-16 IGHD3-22 IGHD3-3 IGHD3-9 IGHD4-11 IGHD4-17 IGHD4-23 IGHD4-4 IGHD5-12 IGHD5-18 IGHD5-24 IGHD5-
5 IGHD6-13 IGHD6-19 IGHD6-25 IGHD6-6 IGHD7-27 IGHE IGHG1 IGHG2 IGHG3 IGHG4 IGHJ@ IGHJ1 IGHJ2 IGHJ3 IGHJ4 IGHJ5
IGHJ6 IGHM IGHV@ IGHV1-18 IGHV1-2 IGHV1-24 IGHV1-3 IGHV1-45 IGHV1-46 IGHV1-58 IGHV1-69 IGHV1-8 IGHV1-C IGHV1-F
IGHV2-26 IGHV2-5 IGHV2-70 IGHV3-11 IGHV3-13 IGHV3-15 IGHV3-16 IGHV3-20 IGHV3-21 IGHV3-23 IGHV3-30 IGHV3-30-3
IGHV3-30-5 IGHV3-33 IGHV3-35 IGHV3-38 IGHV3-43 IGHV3-48 IGHV3-49 IGHV3-53 IGHV3-64 IGHV3-66 IGHV3-7 IGHV3-72
IGHV3-73 IGHV3-74 IGHV3-9 IGHV3-D IGHV3-H IGHV4-28 IGHV4-30-1 IGHV4-30-2 IGHV4-30-4 IGHV4-31 IGHV4-34 IGHV4-39
IGHV4-4 IGHV4-59 IGHV4-61 IGHV4-B IGHV5-51 IGHV5-A IGHV6-1 IGHV7-4-1 IGHV7-81 IGK@ IGKC IGKDEL IGKJ@ IGKJ1 IGKJ2
IGKJ3 IGKJ4 IGKJ5 IGKV@ IGKV1-12 IGKV1-13 IGKV1-16 IGKV1-17 IGKV1-27 IGKV1-33 IGKV1-37 IGKV1-39 IGKV1-5 IGKV1-6
IGKV1-8 IGKV1-9 IGKV1D-12 IGKV1D-13 IGKV1D-16 IGKV1D-17 IGKV1D-33 IGKV1D-37 IGKV1D-39 IGKV1D-42 IGKV1D-43
IGKV1D-8 IGKV2-24 IGKV2-28 IGKV2-30 IGKV2-40 IGKV2D-24 IGKV2D-28 IGKV2D-29 IGKV2D-30 IGKV2D-40 IGKV3-11 IGKV3-15
IGKV3-20 IGKV3-7 IGKV3D-11 IGKV3D-15 IGKV3D-20 IGKV3D-7 IGKV4-1 IGKV5-2 IGKV6-21 IGKV6D-21 IGKV6D-41 IGL@ IGLC@
IGLC1 IGLC2 IGLC3 IGLC6 IGLC7 IGLJ@ IGLJ1 IGLJ2 IGLJ3 IGLJ4 IGLJ5 IGLJ6 IGLJ7 IGLV@ IGLV1-36 IGLV1-40 IGLV1-44 IGLV1-
47 IGLV1-50 IGLV1-51 IGLV10-54 IGLV11-55 IGLV2-11 IGLV2-14 IGLV2-18 IGLV2-23 IGLV2-33 IGLV2-8 IGLV3-1 IGLV3-10 IGLV3-12
IGLV3-16 IGLV3-19 IGLV3-21 IGLV3-22 IGLV3-25 IGLV3-27 IGLV3-32 IGLV3-9 IGLV4-3 IGLV4-60 IGLV4-69 IGLV5-37 IGLV5-39
IGLV5-45 IGLV5-48 IGLV5-52 IGLV6-57 IGLV7-43 IGLV7-46 IGLV8-61 IGLV9-49 C3 C5 CAMP CCL1 CCL11 CCL13 CCL14 CCL14-
CCL15 CCL15 CCL16 CCL17 CCL18 CCL19 CCL2 CCL20 CCL21 CCL22 CCL23 CCL24 CCL25 CCL26 CCL27 CCL28 CCL3 CCL3L1
CCL3L2 CCL3L3 CCL4 CCL4L1 CCL4L2 CCL5 CCL7 CCL8 CKLF CMA1 CTSG CX3CL1 CXCL1 CXCL10 CXCL11 CXCL12 CXCL13
CXCL14 CXCL16 CXCL17 CXCL2 CXCL3 CXCL5 CXCL6 CXCL9 CYR61 DEFA1 DEFA3 DEFA5 DEFB1 DEFB103A DEFB104A
DEFB4 EDN1 EDN2 EDN3 FGF10 FGF2 HTN3 IL8 LECT2 PF4 PF4V1 PLAUR PPBP PPBPL1 PROK2 RNASE2 SAA1 SAA2 SBDS
SEMA3A SEMA3B SEMA3C SEMA3D SEMA3E SEMA3F SEMA3G SEMA4A SEMA4B SEMA4C SEMA4D SEMA4F SEMA4G
SEMA5A SEMA5B SEMA6A SEMA6B SEMA6C SEMA6D SEMA7A SLIT1 SLIT2 TNC TYMP XCL1 XCL2 C5AR1 CCBP2 CCR1
CCR10 CCR3 CCR4 CCR5 CCR6 CCR7 CCR8 CCR9 CCRL1 CCRL2 CMKLR1 CX3CR1 CXCR3 CXCR4 CXCR5 CXCR6 CXCR7
CYSLTR1 CYSLTR2 DARC EDNRA EDNRB FPR1 FPR2 FPR3 GPR17 GPR32 GPR33 GPR44 GPR77 IL8RA IL8RB LTB4R LTB4R2
PLAUR PLXNA1 PLXNA2 PLXNA3 PLXNA4 PLXNB1 PLXNB2 PLXNB3 PLXNC1 PLXND1 PTAFR ROBO1 ROBO2 ROBO3 RXFP3
XCR1 ADIPOQ ADM ADM2 AGRP AGT AMBN AMELX AMH ANGPTL5 ANGPTL7 APLN AREG ARMET ARMETL1 ARTN AVP AZU1
BDNF BMP1 BMP10 BMP15 BMP2 BMP3 BMP4 BMP5 BMP6 BMP7 BMP8A BMP8B BTC C19orf10 C3 C5 CALCA CALCB CAMP
CAT CCK CCL1 CCL11 CCL13 CCL14 CCL14-CCL15 CCL15 CCL16 CCL17 CCL18 CCL19 CCL2 CCL20 CCL21 CCL22 CCL23
CCL24 CCL25 CCL26 CCL27 CCL28 CCL3 CCL3L1 CCL3L2 CCL3L3 CCL4 CCL4L1 CCL4L2 CCL5 CCL7 CCL8 CD320 CD40LG
CD70 CECR1 CER1 CGA CGB CGB1 CGB2 CGB5 CGB7 CGB8 CHGA CHGB CKLF CLCF1 CLEC11A CMA1 CMTM1 CMTM2
CMTM3 CMTM4 CMTM5 CMTM6 CMTM7 CMTM8 CNTF CORT CRH CSF1 CSF2 CSF3 CSH1 CSH2 CSHL1 CSPG5 CTF1 CTGF
CTSG CX3CL1 CXCL1 CXCL10 CXCL11 CXCL12 CXCL13 CXCL14 CXCL16 CXCL17 CXCL2 CXCL3 CXCL5 CXCL6 CXCL9 CYR61
DEFA1 DEFA3 DEFA5 DEFB1 DEFB103A DEFB104A DEFB4 DKK1 EBI3 EDN1 EDN2 EDN3 EGF EPGN EPO EREG ESM1 FAM3B
FAM3C FAM3D FASLG FGF1 FGF10 FGF11 FGF12 FGF13 FGF14 FGF16 FGF17 FGF18 FGF19 FGF2 FGF20 FGF21 FGF22 FGF23
FGF3 FGF4 FGF5 FGF6 FGF7 FGF8 FGF9 FIGF FIGNL2 FLT3LG FSHB GAL GALP GAST GCG GDF1 GDF10 GDF11 GDF15 GDF2
GDF3 GDF5 GDF6 GDF7 GDF9 GDNF GH1 GH2 GHRH GHRL GIP GKN1 GMFB GMFG GNRH1 GNRH2 GPHA2 GPHB5 GPI GREM1
GREM2 GRN GRP GUCA2A HAMP HBEGF HDGF HDGFRP3 HGF HTN3 IAPP IFNA1 IFNA10 IFNA13 IFNA14 IFNA16 IFNA17 IFNA2

IFNA21 IFNA4 IFNA5 IFNA6 IFNA7 IFNA8 IFNB1 IFNE IFNG IFNK IFNW1 IGF1 IGF2 IL10 IL11 IL12A IL12B IL13 IL15 IL16 IL17A
IL17B IL17C IL17D IL17F IL18 IL19 IL1A IL1B IL1F10 IL1F5 IL1F6 IL1F7 IL1F8 IL1F9 IL1RN IL2 IL20 IL21 IL22 IL23A IL24 IL25 IL26
IL27 IL28A IL28B IL29 IL3 IL31 IL32 IL33 IL34 IL4 IL5 IL6 IL6ST IL7 IL8 IL9 INHA INHBA INHBB INHBC INHBE INS INS-IGF2 INSL3
INSL4 INSL5 INSL6 JAG1 JAG2 KGFLP1 KGFLP2 KITLG KL LACRT LECT2 LEFTY1 LEFTY2 LEP LHB LIF LRSAM1 LTA LTB LTBP1
LTBP2 LTBP3 LTBP4 MDK MIA MIF MLN MSTN NAMPT NDP NENF NGF NMB NODAL NOV NPFF NPPA NPPB NPPC NPY NRG1
NRG2 NRG3 NRG4 NRTN NTF3 NTF4 NTS NUDT6 OGN OSGIN1 OSM OSTN OXT P11 PDGFA PDGFB PDGFC PDGFD PDGFRA
PDGFRB PDGFRL PDYN PENK PF4 PF4V1 PGF PLAU PMCH PNOG POMC PPBP PPBPL1 PPBPL2 PPY PRL PRLH PROK1
PROK2 PSPN PTH PTH2 PTHLH PTN PYY QRFP RABEP1 RABEP2 REG1A RETN RETNLB RLN1 RLN2 RLN3 RNASE2 S100A6
SAA1 SAA2 SBDS SCG2 SCGB3A1 SCT SCYE1 SECTM1 SEMA3A SEMA3B SEMA3C SEMA3D SEMA3E SEMA3F SEMA3G
SEMA4A SEMA4B SEMA4C SEMA4D SEMA4F SEMA4G SEMA5A SEMA5B SEMA6A SEMA6B SEMA6C SEMA6D SEMA7A SLIT1
SLIT2 SLURP1 SPP1 SST STC1 STC2 TAC1 TDGF1 TDGF3 TG TGFA TGFB1 TGFB2 TGFB3 THPO TNC TNF TNFRSF11B TNFSF10
TNFSF11 TNFSF12 TNFSF13 TNFSF13B TNFSF14 TNFSF15 TNFSF18 TNFSF4 TNFSF8 TNFSF9 TOR2A TRH TSHB TSLP TXLNA
TYMP UCN UCN2 UCN3 UTS2 UTS2D VEGFA VEGFB VEGFC VGF VIP XCL1 XCL2 ACVR1B ACVR1C ACVR2A ACVR2B ACVRL1
ADCYAP1R1 ADIPOR1 ADIPOR2 ADRB1 ADRB2 AGTR1 AGTR2 AMHR2 ANGPT1 ANGPT4 ANGPTL1 ANGPTL2 ANGPTL3
ANGPTL4 ANGPTL6 APLNR AR AVPR1A AVPR1B AVPR2 BMPR1A BMPR1B BMPR2 BRD8 C3AR1 C5AR1 CALCR CALCRL CCBP2
CCR1 CCR10 CCR3 CCR4 CCR5 CCR6 CCR7 CCR8 CCR9 CCRL1 CCRL2 CD40 CMKLR1 CNTFR CRHR1 CRHR2 CRIM1 CRLF1
CRLF2 CRLF3 CSF1R CSF2RA CSF2RB CSF3R CX3CR1 CXCR3 CXCR4 CXCR5 CXCR6 CXCR7 CYSLTR1 CYSLTR2 DARC
EDNRA EDNRB EGFR ENG EPOR ESR1 ESR2 ESRRR ESRRB ESRRG FGFR1 FGFR2 FGFR3 FGFR4 FGFR1 FLT1 FLT3 FLT4
FPR1 FPR2 FPR3 FSHR GALR2 GALR3 GCGR GHR GHRHR GHSR GIPR GLP1R GLP2R GNRHR GPER GPR17 GPR32 GPR33
GPR44 GPR77 HNF4A HNF4G HTR3A HTR3B HTR3C HTR3D HTR3E IFNAR1 IFNAR2 IFNGR1 IFNGR2 IGF1R IGF2R IL10RA
IL10RB IL11RA IL11RB IL12RB1 IL12RB2 IL13RA1 IL13RA2 IL15RA IL15RB IL17RA IL17RB IL17RC IL17RD IL17RE IL18R1 IL18RAP
IL1R1 IL1R2 IL1RAP IL1RL1 IL1RL2 IL20RA IL20RB IL21R IL22RA1 IL22RA2 IL23R IL27RA IL28RA IL2RA IL2RB IL2RG IL31RA
IL3RA IL4R IL5RA IL6R IL7R IL8RA IL8RB IL9R INSR KDR LEPR LGR4 LGR5 LGR6 LHCGR LIFR LTB4R LTB4R2 LTBR MC1R MC2R
MC3R MC4R MCHR1 MCHR2 MET MLNR MPL MTNR1A MTNR1B NGFR NMBR NPR1 NPR3 NR0B1 NR0B2 NR1D1 NR1D2 NR1H2
NR1H3 NR1H4 NR1I2 NR1I3 NR2C1 NR2C2 NR2E1 NR2E3 NR2F1 NR2F2 NR2F6 NR3C1 NR3C2 NR4A1 NR4A2 NR4A3 NR5A1
NR5A2 NR6A1 NRP1 NRP2 OGFR OPRD1 OPRK1 OPRL1 OPRM1 OSMR OXTR PGR PGRMC2 PLAUR PLXNA1 PLXNA2 PLXNA3
PLXNA4 PLXNB1 PLXNB2 PLXNB3 PLXNC1 PLXND1 PPARA PPARB PPARC PRLHR PRLR PTAFR PTGDR PTGDS PTGER1
PTGER2 PTGER3 PTGER4 PTGFR PTH1R PTH2R RARA RARB RARG ROBO1 ROBO2 ROBO3 RORA RORB RORC RXFP1 RXFP2
RXFP3 RXRA RXRB RXRG S1PR1 S1PR2 SCTR SDC1 SDC2 SDC3 SDC4 SORT1 SSTR1 SSTR2 SSTR5 ST2 TACR1 TEK TGFB1
TGFB2 TGFB3 THRA THRB TIE1 TNFRSF10A TNFRSF10B TNFRSF10C TNFRSF10D TNFRSF11A TNFRSF12A TNFRSF13B
TNFRSF13C TNFRSF14 TNFRSF17 TNFRSF18 TNFRSF19 TNFRSF1A TNFRSF1B TNFRSF21 TNFRSF25 TNFRSF4 TNFRSF6B
TNFRSF8 TNFRSF9 TRHR TSHR TUBB3 VDR VIPR1 VIPR2 XCR1 IFNA10 IFNA13 IFNA14 IFNA16 IFNA17 IFNA21 IFNA4
IFNA5 IFNA6 IFNA7 IFNA8 IFNB1 IFNE IFNG IFNK IFNW1 IFNAR2 IFNGR1 IFNGR2 IL11 IL12A IL12B IL13 IL15 IL16 IL17A IL17B
IL17C IL17D IL17F IL18 IL19 IL1A IL1B IL1F10 IL1F5 IL1F6 IL1F7 IL1F8 IL1F9 IL1RN IL2 IL20 IL21 IL22 IL23A IL24 IL25 IL26 IL27
IL28A IL28B IL29 IL3 IL31 IL32 IL33 IL34 IL4 IL5 IL6 IL6ST IL7 IL8 IL9 TXLNA IL10RA IL10RB IL11RA IL11RB IL12RB1 IL12RB2
IL13RA1 IL13RA2 IL15RA IL15RB IL17RA IL17RB IL17RC IL17RD IL17RE IL18R1 IL18RAP IL1R1 IL1R2 IL1RAP IL1RL1 IL1RL2
IL20RA IL20RB IL21R IL22RA1 IL22RA2 IL23R IL27RA IL28RA IL2RA IL2RB IL2RG IL31RA IL3RA IL4R IL5RA IL6R IL7R IL8RA IL8RB
IL9R ST2 HLA-A HLA-B HLA-C HLA-E HLA-G KIR3DL1 KIR3DL2 KIR2DL1 KIR2DL2 KIR2DL3 KIR2DL4 KIR2DL5A KLRC1 KLRC2
KLRC3 KLRD1 PTPN6 PTPN11 ICAM1 ICAM2 ITGAL ITGB2 PTK2B VAV3 VAV1 VAV2 RAC1 RAC2 RAC3 PAK1 MAP2K1 MAP2K2
MAPK1 MAPK3 TNF CSF2 IFNG KIR2DS1 KIR2DS3 KIR2DS4 KIR2DS5 NCR2 TYROBP LCK FCGR3A FCGR3B LOC652578 NCR1
NCR3 FCER1G CD247 ZAP70 SYK LCP2 LAT PLCG1 PLCG2 SH3BP2 PIK3CA PIK3CB PIK3CD PIK3CG PIK3R5 PIK3R1 PIK3R2
PIK3R3 FYN SHC2 SHC4 SHC3 SHC1 GRB2 SOS1 SOS2 HRAS KRAS NRAS ARAF BRAF RAF1 MICA MICB ULBP3 ULBP2 ULBP1
KLRK1 HCST CD48 CD244 PPP3CA PPP3CB PPP3CC CHP PPP3R1 PPP3R2 CHP2 NFAT5 NFATC1 NFATC2 NFATC3 NFATC4
PRKCA PRKCB PRKCG SH2D1B SH2D1A IFNGR1 IFNGR2 IFNA1 IFNA2 IFNA4 IFNA5 IFNA6 IFNA7 IFNA8 IFNA10 IFNA13 IFNA14

IFNA16 IFNA17 IFNA21 IFNB1 IFNAR1 IFNAR2 TNFSF10 TNFRSF10D TNFRSF10C TNFRSF10B TNFRSF10A FASLG FAS GZMB
PRF1 CASP3 BID CD3D CD3E CD3G CD247 CD4 CD8A CD8B PTPRC LCK FYN ZAP70 LCP2 LAT ITK TEC NCK1 NCK2 VAV3 VAV1
VAV2 GRAP2 GRB2 PAK1 PAK2 PAK3 PAK4 PAK6 PAK7 RHOA CDC42 PPP3CA PPP3CB PPP3CC CHP PPP3R1 PPP3R2 CHP2
NFAT5 NFATC1 NFATC2 NFATC3 NFATC4 SOS1 SOS2 HRAS KRAS NRAS FOS JUN CARD11 BCL10 MALT1 CHUK IKBKB IKBKG
NFKB1 RELA NFKBIA NFKBIB NFKBIE CD28 ICOS CD40LG PIK3R5 PIK3R1 PIK3R2 PIK3R3 PIK3CA PIK3CB PIK3CD PIK3CG
AKT3 AKT1 AKT2 MAP3K8 MAP3K14 PDCD1 CTLA4 PTPN6 CBL CBLB IL2 IL4 IL5 IL10 IFNG CSF2 TNF CDK4 RASGRP1
PDK1 PLCG1 PRKCQ TRAC TRAJ1 TRAJ2 TRAJ3 TRAJ4 TRAJ5 TRAJ6 TRAJ7 TRAJ8 TRAJ9 TRAJ10 TRAJ11 TRAJ12 TRAJ13
TRAJ14 TRAJ15 TRAJ16 TRAJ17 TRAJ18 TRAJ19 TRAJ20 TRAJ21 TRAJ22 TRAJ23 TRAJ24 TRAJ25 TRAJ26 TRAJ27 TRAJ28
TRAJ29 TRAJ30 TRAJ31 TRAJ32 TRAJ33 TRAJ34 TRAJ35 TRAJ36 TRAJ37 TRAJ38 TRAJ39 TRAJ40 TRAJ41 TRAJ42 TRAJ43
TRAJ44 TRAJ45 TRAJ46 TRAJ47 TRAJ48 TRAJ49 TRAJ50 TRAJ52 TRAJ53 TRAJ54 TRAJ56 TRAJ57 TRAJ58 TRAJ59 TRAJ61
TRAV1-1 TRAV1-2 TRAV2 TRAV3 TRAV4 TRAV5 TRAV7 TRAV8-1 TRAV8-2 TRAV8-3 TRAV8-4 TRAV8-6 TRAV8-7 TRAV9-1 TRAV9-
2 TRAV10 TRAV12-1 TRAV12-2 TRAV12-3 TRAV13-1 TRAV13-2 TRAV14DV4 TRAV16 TRAV17 TRAV18 TRAV19 TRAV20 TRAV21
TRAV22 TRAV23DV6 TRAV24 TRAV25 TRAV26-1 TRAV26-2 TRAV27 TRAV29DV5 TRAV30 TRAV34 TRAV35 TRAV36DV7 TRAV38-
1 TRAV38-2DV8 TRAV39 TRAV40 TRAV41 TRBC1 TRBC2 TRBD1 TRBD2 TRBJ1-1 TRBJ1-2 TRBJ1-3 TRBJ1-4 TRBJ1-5 TRBJ1-6
TRBJ2-1 TRBJ2-2 TRBJ2-3 TRBJ2-4 TRBJ2-5 TRBJ2-6 TRBJ2-7 TRBV2 TRBV3-1 TRBV4-1 TRBV4-2 TRBV4-3 TRBV5-1 TRBV5-4
TRBV5-5 TRBV5-6 TRBV5-7 TRBV5-8 TRBV6-1 TRBV6-2 TRBV6-3 TRBV6-4 TRBV6-5 TRBV6-6 TRBV6-7 TRBV6-8 TRBV6-9
TRBV7-2 TRBV7-3 TRBV7-4 TRBV7-6 TRBV7-7 TRBV7-8 TRBV7-9 TRBV9 TRBV10-1 TRBV10-2 TRBV10-3 TRBV11-1 TRBV11-2
TRBV11-3 TRBV12-3 TRBV12-4 TRBV12-5 TRBV13 TRBV14 TRBV15 TRBV16 TRBV17 TRBV18 TRBV19 TRBV20-1 TRBV24-1
TRBV25-1 TRBV27 TRBV28 TRBV29-1 TRBV30 TRDC TRDD1 TRDD2 TRDD3 TRDJ1 TRDJ2 TRDJ3 TRDJ4 TRDV1 TRDV2 TRDV3
TRGV9 TRGV8 TRGV5 TRGV4 TRGV3 TRGV2 TRGJP2 TRGJP1 TRGJP TRGJ2 TRGJ1 TRGC2 TRGC1 TRAV6 BMP1 BMP10
BMP15 BMP2 BMP3 BMP4 BMP5 BMP6 BMP7 BMP8A BMP8B GDF1 GDF10 GDF11 GDF15 GDF2 GDF3 GDF5 GDF6 GDF7 GDF9
GDNF INHA INHBA INHBB INHBC INHBE LEFTY1 LEFTY2 NODAL TGFB1 TGFB2 TGFB3 ACVR1B ACVR1C ACVR2A ACVR2B
ACVRL1 AMHR2 BMPR1A BMPR1B BMPR2 TGFB3 TGFB2 TGFB3 TNFRSF11B TNFSF10 TNFSF11 TNFSF12 TNFSF13
TNFSF13B TNFSF14 TNFSF15 TNFSF18 TNFSF4 TNFSF8 TNFSF9 TNFRSF10B TNFRSF10C TNFRSF10D TNFRSF11A
TNFRSF12A TNFRSF13B TNFRSF13C TNFRSF14 TNFRSF17 TNFRSF18 TNFRSF19 TNFRSF1A TNFRSF1B TNFRSF21
TNFRSF25 TNFRSF4 TNFRSF6B TNFRSF8 TNFRSF9 ADAM28 CD180 CD79B BLK CD19 MS4A1 TNFRSF17 IGHM GNG7 MICAL3
SPIB HLA-DOB IGKC PNOG FCRL2 BACH2 CR2 TCL1A AKNA ARHGAP25 CCL21 CD27 CD38 CLEC17A CLEC9A CLECL1 AIM2
BIRC3 BRIP1 CCL20 CCL4 CCL5 CCNB1 CCR7 DUSP2 ESCO2 ETS1 EXO1 EXOC6 IARS ITK KIF11 KNTC1 NUF2 PRC1 PSAT1
RGS1 RTKN2 SAMSN1 SELL TRAT1 ADRM1 AHS1 C1GALT1C1 CCT6B CD37 CD3D CD3E CD3G CD69 CD8A CETN3 CSE1L
GEMIN6 GNLY GPT2 GZMA GZMH GZMK IL2RB LCK MPZL1 NKG7 PIK3IP1 PTRH2 TIMM13 ZAP70 ABHD3 AHNAK ANXA2P2
AQP3 ATHL1 BMI1 BZW2 CD63 COL4A1 CYLD ELMO2 FYN GLIPR1 GSS IFITM2 ITGB1 ITGB2 KLF5 LSP1 NDUFB9 PKM2 SFXN3
SIRPG SMAD4 STX4 TRADD VIM XRCC6 ACTN4 ADAM12 ADCY9 F13A1 FCER1G FCGR3B FGF7 FKBP4 GLUD1 GM2A GUSB
IL1RN NOL11 NTRK1 RARA RNF128 SIGLEC1 TNFRSF11A TOX4 UBA52 ULBP1 ATM CASP3 CASQ1 CD300E DARS DOCK9
EXOSC9 EZH2 GDE1 IL34 NCOA4 NEFL PDGFRL PTGS1 REPS1 SCG2 SDPR SIGLEC14 SIGLEC6 TAL1 TFEC TIPIN TPK1
UQCRB USP9Y WIPF1 ZCRB1 ACAP1 APOL3 ARHGAP10 ATP10D C3AR1 CCR5 CD160 CD55 CFLAR CMKLR1 DAPP1 FCRL6
FLT3LG GZMM HAPLN3 HLA-DMB HLA-DPA1 HLA-DPB1 IFI16 LIME1 LTK NFKBIA SETD7 SIK1 TRIB2 ACP5 AQP9 BTN3A2 C1orf54
CARD8 CCL18 CD209 CD33 CD36 CDK5 IL10RB KLRF1 LGALS1 MAPK7 KLHL7 KRT80 LAMC1 LCORL LMNB1 MEIS3P1 MPL
FABP1 FABP5 FADD MFAP3L MINPP1 RPS24 RPS7 RPS9 DBNL CCL13 CD22 CYBB FAM129C FCRL1 FCRL3 FCRL5 FCRLA
HDAC9 HLA-DQA1 HVCN1 KIAA0226 NCF1 NCF1B P2RY10 SP100 TXNIP STAP1 TAGAP ZCCHC2 AICDA CCNA2 CDKN3 CLCN5
ENPP1 FCER1A FCRL4 MYC RUNX2 SORL1 SOX5 STAT5A STAT5B TLR9 CCL3L1 CD72 CLEC5A FOXP3 ITGA4 L1CAM LIPA
LRP1 LRRC42 MARCO MMP12 MND1 MRC1 MS4A6A PELO PLEK PRSS23 PTGIR ST8SIA4 STAB1 B3GAT1 CDK5R1 PDCD1
BCL6 CD200 CD83 CD84 FGF2 GPR18 CEBPA CECR1 CLEC10A CLEC4A CSF1R CTSS DMN DPP4 LRRC32 MC5R MICA NCAM1
NCR2 NRP1 PDCD1LG2 PDCD6 PRDX1 RAE1 RAET1E SIGLEC7 SIGLEC9 TYRO3 CHST12 CLIC3 IVNS1ABP KIR2DL2 LGMN
CD70 TBX21 ADAM8 AHCYL2 ALCAM B3GALNT1 BBS12 BST1 CD151 CD47 CD48 CD52 CD53 CD59 CD6 CD68 CD7 CD96 CFHR3

CHRM3 CLEC7A COL23A1 COL4A4 COL5A3 DAB1 DLEU7 DOC2B EMP1 F12 FURIN GAB3 GATM GFPT2 GPR25 GREM2 HAVCR1
HSD11B1 HUNK IGF2 RCSD1 RYR1 SAV1 SELE SELP SH3KBP1 SIT1 SLC35B3 SIGLEC10 SKAP1 THUMP2 TIGIT ZEB2 ENC1
FAM134B FBXO30 FCGR2C STAC LTC4S MAN1B1 MDH1 MMD RGS16 IL12A P2RX5 CD97 ITGB4 ICAM3 METRNL TNFRSF1A
IRF1 HTR2B CALD1 MOCOS TRAF3IP2 TLR8 TRAF1 DUSP14 IL17A IL17RA C2CD4A C2CD4B CA2 CCDC65 CEACAM3 IL17C
IL17F IL17RC IL17RE IL23A ILDR1 LONRF3 SH2D6 TNIP2 ABCA1 ABCB1 ADAMTS12 ANK1 ANKRD22 B3GALT2 CAMTA1 CCR9
CD40 GPR44 IFT80 ASB2 CSRP2 DAPK1 DLC1 DNAJC12 DUSP6 GNAI1 LAMP3 NRP2 OSBPL1A PDE4B PHLDA1 PLA2G4A
RAB27B RBMS3 RNF125 TMPRSS3 GATA3 BIRC5 CDC25C CDC7 CENPF CXCR6 DHFR EVI5 GSTA4 HELLS IL26 LAIR2 ABCD1
C1QC CAPG CCL3L3 CD207 CD302 ATP5B ATP5L ATP6V1A BCL2L1 C1QB SNURF SPCS3 CCNA1 CEACAM8 NOS2 SRA1
TNFRSF6B TREM1 TREML1 RHOA SLC25A37 TNFSF14 TREML4 VNN2 XPO6 CLEC4C TNFAIP2 UBD ACTR3 RAB1A SLA HLA-
DQA2 SIGLEC5 SLAMF9 ABAT C1orf75 C5orf15 CDHR1 DCAF12 DYNLL1 GPR137B HCP5 HDGFRP2 KRT86 MLST8 ELMOD3
ENTPD5 FAM119A FAM179A CLIC2 COX7A2L CREB3L4 CSF1 CSNK2A2 CSTA CSTB CTPS CTSD FST GATA2 GMPR HDC HEY1
HOXA1 HS2ST1 HS3ST1 BCL11B CDH3 MYL6B NAA16 CIQA CIQB CYP27B1 EIF3M CYP27A1 DDX55 DYRK2 RPL37A NOTCH3
AKR7A3 GPRC5C GRIN1 HLA-E PORCN PSMC4 UPP1 IL21R KIR2DS1 KIR2DS2 KIR2DS5 GIPR KRT18P50 LRMP FOSB RRP12
GPR183 NR4A3 ST3GAL6 DEPDC5 PDE6C PKD2L2 GPR65 IL5RA P2RY14 DACH1 DAPK2 EMR3 ACADM AHCYL1 ALDH1A2
ALDH3A2 ALDH9A1 ALOX15 AMT ARL1 ATIC ATP5A1 CAPZA1 LILRA5 RDX RRAGD TACSTD2 INPP5F RAB38 PLAU CSF3R
SLC18A2 AMPD2 CLTB C1orf162 AIF1 CCL1 CCL14 CCL23 CCL26 CD300LB CNR1 CNR2 EIF1 EIF4A1 FPR1 FPR2 FRAT2 GPR27
GPR77 RNASE2 MS4A2 BASP1 IGSF6 HK3 VNN1 FES NPL FZD2 FAM198B HNMT SLC15A3 CD4 TXNDC3 FRMD4A CRYBB1
HRH1 WNT5B ADAMTS3 CPA3 CMA1 CTSG ARHGAP15 CPM FCN1 FTL HSPA6 ITGA9 RNASE3 S100A4 SIGLEC8 SLC6A4 PTGS2
EGR3 PILRA CCR2 CD14 CD2 CD86 CXCR4 FCGR2A FCGR2B FCGR3A FERMT3 GPSM3 IL18BP IL4R ITGAL ITGAM PARVG
PSAP PTGER2 PTGES2 S100A8 S100A9 ASGR2 CFP ASGR1 CD1D UPK3A ACTG1 ANXA5 ATP6V1B2 CFL1 DAZAP2 CTBS
EMR4P HIVEP2 MARCKSL1 MBP MMP15 PNPLA6 TMBIM6 PQBP1 TEX264 IKZF1 AKT3 AXL BST2 CDH2 CRTAM CSF2RA CTSZ
CXCL1 CYTH1 DAXX DGKH DLL4 DPYD ERBB3 F11R FAM27A FAM49A FASLG FCGR1A FN1 FSTL1 FUCA1 GBP3 GLS2 GRB2
LST1 BCL2 CDC5L FGF18 FUT5 FZR1 GAGE2 IGFBP5 KANK2 LDB3 BTN2A2 CD101 CD109 CNPY3 CNPY4 CREB1 CRTC2 CRTC3
CSF2 KLRC1 FUT4 ICAM2 IL32 LAMP2 LILRB5 KLRG1 HSPA4 HSPB6 ISM2 ITIH2 KDM4C KIR2DS4 KIRREL3 SDCBP NFATC2IP
MICB KIR2DL1 KIR2DL3 KIR3DL1 KIR3DL2 NCR1 FOSL1 TSLP SLC7A7 SPP1 TREM2 UBASH3A YBX2 CCDC88A CLEC1A THBD
PDPN VCAM1 EMR1 CREB5 CDA CHST15 S100A12 APOBEC3A CASP5 MMP25 HAL C1orf183 FFAR2 MAK CXCR1 STEAP4
MGAM BTNL8 CXCR2 TNFRSF10C VNN3 CBX6 DAB2 DDX17 HIGD1A IDH3A IL3RA MAGED1 NUCB2 OFD1 OGT PDIA4 SERTAD2
SIRPA TMED2 ENG FCAR IGF1 ITGA2B GABARAP GPX1 KRT23 PROK2 RALB RETNLB RNF141 SEC14L1 SEPX1 EMP3 CD300LF
ABTB1 KLHL21 PHRF1

ImmuneDEGs:

FFAR2 RSAD2 ISG15 LAMP3 IGKV3D-15 OASL PROK2 CCL2 EGR3 IGLV3-19 SIGLEC1 CHGA CSRP2 MX1 CXCL13 IGKV2D-30
EIF2AK2 IGKV3-15 IGKV1D-39 FCGR3B IL13 IGLV1-40 IGKV3D-20 GMPR ADRB1 IGLV2-14 APOBEC3A IGHG3 CXCL11 IGLV6-57
GDF15 ABCA1 OLR1 CXCL1 IGKV5-2 EMP1 TRAJ34 IGLV3-21 PGLYRP1 TNFRSF12A CD83 FOSL1 IGLV4-60 LCN2 ANGPTL1
IGKV1-5 IGLV8-61 IGH4-4 IGHV3-33 TRAJ29 TRAJ16 FN1 S100A3 BTNL8 IGHV1-24 MX2 IGLV3-25 PDCD1LG2 SHC2 CDHR1
CELA1 TRBJ2-5 CD207 TRDV2 CLEC4C HTR3A

Additional file 6: Table 6: Correlation of LAMP3, CD83, PDCD1LG2, IGKVD3D-20, IGKV5-2, IGKV2D-30, IGLV3-19

and IGLV4-60 with immune cells

Gene	Immune cell	correlation	pvalue	Gene	Immune cell	correlation
LAMP3	Activated B cell	0.445558255	0.048971573	CD83	Activated B cell	0.495042594
LAMP3	Activated CD4 T cell	0.514828595	0.020191374	CD83	Activated CD4 T cell	0.342337069
LAMP3	Activated CD8 T cell	0.58911245	0.006273109	CD83	Activated CD8 T cell	0.509101408
LAMP3	Activated dendritic cell	-0.149617028	0.528966863	CD83	Activated dendritic cell	-0.04988285
LAMP3	CD56bright natural killer cell	-0.2752404	0.240189816	CD83	CD56bright natural killer cell	-0.15543596
LAMP3	CD56dim natural killer cell	-0.184149861	0.437042	CD83	CD56dim natural killer cell	-0.020536942
LAMP3	Central memory CD4 T cell	0.611183855	0.004196445	CD83	Central memory CD4 T cell	0.647100061
LAMP3	Central memory CD8 T cell	0.019331283	0.935527345	CD83	Central memory CD8 T cell	-0.183922995
LAMP3	Effector memory CD4 T cell	-0.29720531	0.203177545	CD83	Effector memory CD4 T cell	-0.274378585
LAMP3	Effector memory CD8 T cell	0.072663719	0.76079235	CD83	Effector memory CD8 T cell	0.232956825
LAMP3	Eosinophil	-0.249797967	0.288165717	CD83	Eosinophil	0.20394147
LAMP3	Gamma delta T cell	-0.588199949	0.006374421	CD83	Gamma delta T cell	-0.602699846
LAMP3	Immature B cell	0.527833926	0.016755606	CD83	Immature B cell	0.545875745
LAMP3	Immature dendritic cell	-0.049607475	0.835468134	CD83	Immature dendritic cell	0.081992163
LAMP3	Macrophage	-0.662576923	0.001455737	CD83	Macrophage	-0.710725427
LAMP3	Mast cell	-0.13446903	0.571924297	CD83	Mast cell	-0.035451846
LAMP3	Memory B cell	0.396688311	0.083329115	CD83	Memory B cell	0.173586284
LAMP3	Monocyte	-0.588420971	0.006349759	CD83	Monocyte	-0.537507798
LAMP3	Natural killer cell	-0.307589021	0.187081187	CD83	Natural killer cell	-0.389892931
LAMP3	Natural killer T cell	-0.129632385	0.585951414	CD83	Natural killer T cell	-0.27384573
LAMP3	Neutrophil	-0.045585311	0.848654434	CD83	Neutrophil	0.142539836
LAMP3	Plasmacytoid dendritic cell	-0.484623546	0.03034618	CD83	Plasmacytoid dendritic cell	-0.19433895
LAMP3	Regulatory T cell	-0.370456451	0.107863697	CD83	Regulatory T cell	-0.575141671
LAMP3	T follicular helper cell	-0.462751205	0.039922093	CD83	T follicular helper cell	-0.579507667
LAMP3	Type 1 T helper cell	-0.271852743	0.24626037	CD83	Type 1 T helper cell	-0.342365242
LAMP3	Type 17 T helper cell	-0.232582384	0.323747453	CD83	Type 17 T helper cell	-0.1084802
LAMP3	Type 2 T helper cell	0.126105044	0.596272266	CD83	Type 2 T helper cell	-0.180157208

pvalue	Gene	Immune cell	correlation	pvalue	Gene
0.026470783	PDCD1LG2	Activated B cell	0.314199158	0.177295448	IGKV5-2
0.139549497	PDCD1LG2	Activated CD4 T cell	0.329838871	0.155545061	IGKV5-2
0.021872041	PDCD1LG2	Activated CD8 T cell	0.273583211	0.243147281	IGKV5-2
0.834566845	PDCD1LG2	Activated dendritic cell	-0.199508569	0.39905748	IGKV5-2
0.512875216	PDCD1LG2	CD56bright natural killer cell	-0.420308047	0.065011409	IGKV5-2
0.931515071	PDCD1LG2	CD56dim natural killer cell	-0.453115275	0.044818267	IGKV5-2
0.002042696	PDCD1LG2	Central memory CD4 T cell	0.215172346	0.362265933	IGKV5-2
0.437616914	PDCD1LG2	Central memory CD8 T cell	-0.324214037	0.163142808	IGKV5-2
0.24172493	PDCD1LG2	Effector memeory CD4 T cell	-0.346137992	0.134923329	IGKV5-2
0.322946895	PDCD1LG2	Effector memeory CD8 T cell	0.303456547	0.193380594	IGKV5-2
0.388443112	PDCD1LG2	Eosinophil	-0.386858478	0.091983098	IGKV5-2
0.004914307	PDCD1LG2	Gamma delta T cell	-0.6048342	0.004724827	IGKV5-2
0.012781446	PDCD1LG2	Immature B cell	0.524440292	0.017603229	IGKV5-2
0.731110162	PDCD1LG2	Immature dendritic cell	-0.377051991	0.101256041	IGKV5-2
0.000444294	PDCD1LG2	Macrophage	-0.555680558	0.010964781	IGKV5-2
0.882040689	PDCD1LG2	Mast cell	-0.274895934	0.240802645	IGKV5-2
0.46422928	PDCD1LG2	Memory B cell	0.178117919	0.452462385	IGKV5-2
0.014517432	PDCD1LG2	Monocyte	-0.703063709	0.000544793	IGKV5-2
0.089244259	PDCD1LG2	Natural killer cell	-0.406305115	0.075460446	IGKV5-2
0.242677231	PDCD1LG2	Natural killer T cell	-0.334616298	0.149287542	IGKV5-2
0.548848715	PDCD1LG2	Neutrophil	0.061508982	0.796709432	IGKV5-2
0.411634818	PDCD1LG2	Plasmacytoid dendritic cell	-0.482506624	0.031185322	IGKV5-2
0.007977544	PDCD1LG2	Regulatory T cell	-0.181723478	0.44321141	IGKV5-2
0.007408554	PDCD1LG2	T follicular helper cell	-0.496073226	0.026109731	IGKV5-2
0.139514802	PDCD1LG2	Type 1 T helper cell	-0.37355922	0.104717487	IGKV5-2
0.648930819	PDCD1LG2	Type 17 T helper cell	-0.31673311	0.173638288	IGKV5-2
0.447217878	PDCD1LG2	Type 2 T helper cell	0.048150703	0.840239337	IGKV5-2

Immune cell	correlation	pvalue
Activated B cell	0.576064757	0.007854363
Activated CD4 T cell	0.719294828	0.000350999
Activated CD8 T cell	0.578868333	0.007489735
Activated dendritic cell	-0.527175858	0.016917362
CD56bright natural killer cell	-0.465176295	0.03875776
CD56dim natural killer cell	-0.285426784	0.222520942
Central memory CD4 T cell	0.270853965	0.24806872
Central memory CD8 T cell	-0.486042084	0.029793857
Effector memory CD4 T cell	-0.21479054	0.363138878
Effector memory CD8 T cell	0.119772901	0.614986701
Eosinophil	-0.346003977	0.135084575
Gamma delta T cell	-0.347245683	0.13359576
Immature B cell	0.467151187	0.03782918
Immature dendritic cell	-0.277481663	0.236226995
Macrophage	-0.530292541	0.016162198
Mast cell	-0.42305748	0.063094742
Memory B cell	0.61559489	0.003858957
Monocyte	-0.581688557	0.00713703
Natural killer cell	-0.44693878	0.048191642
Natural killer T cell	-0.423596837	0.062723807
Neutrophil	-0.324399415	0.162888411
Plasmacytoid dendritic cell	-0.382340284	0.096174688
Regulatory T cell	-0.187654182	0.428212147
T follicular helper cell	-0.204994444	0.385945136
Type 1 T helper cell	0.134021838	0.573215089
Type 17 T helper cell	-0.242365375	0.303219742
Type 2 T helper cell	0.406129593	0.075598904

Gene	Immune cell	correlation
IGLV3-19	Activated B cell	0.709955536
IGLV3-19	Activated CD4 T cell	0.669400472
IGLV3-19	Activated CD8 T cell	0.645130495
IGLV3-19	Activated dendritic cell	-0.543400554
IGLV3-19	CD56bright natural killer cell	-0.368453249
IGLV3-19	CD56dim natural killer cell	-0.054178894
IGLV3-19	Central memory CD4 T cell	0.539099769
IGLV3-19	Central memory CD8 T cell	-0.473887372
IGLV3-19	Effector memory CD4 T cell	-0.390349894
IGLV3-19	Effector memory CD8 T cell	0.093063332
IGLV3-19	Eosinophil	-0.267409867
IGLV3-19	Gamma delta T cell	-0.612957111
IGLV3-19	Immature B cell	0.677093437
IGLV3-19	Immature dendritic cell	-0.276201661
IGLV3-19	Macrophage	-0.777398807
IGLV3-19	Mast cell	-0.352920069
IGLV3-19	Memory B cell	0.462598781
IGLV3-19	Monocyte	-0.649843506
IGLV3-19	Natural killer cell	-0.511852528
IGLV3-19	Natural killer T cell	-0.386174597
IGLV3-19	Neutrophil	-0.228953735
IGLV3-19	Plasmacytoid dendritic cell	-0.377356713
IGLV3-19	Regulatory T cell	-0.484618784
IGLV3-19	T follicular helper cell	-0.43382294
IGLV3-19	Type 1 T helper cell	-0.122375137
IGLV3-19	Type 17 T helper cell	-0.220841425
IGLV3-19	Type 2 T helper cell	0.126560657

pvalue	Gene	Immune cell	correlation	pvalue	Gene
0.000453623	IGLV4-60	Activated B cell	0.673688417	0.001127986	IGKV3D-20
0.001246196	IGLV4-60	Activated CD4 T cell	0.653249309	0.00178942	IGKV3D-20
0.002129895	IGLV4-60	Activated CD8 T cell	0.688870134	0.000782322	IGKV3D-20
0.013276481	IGLV4-60	Activated dendritic cell	-0.298004612	0.201906825	IGKV3D-20
0.109930909	IGLV4-60	CD56bright natural killer cell	-0.340263026	0.142120337	IGKV3D-20
0.820532489	IGLV4-60	CD56dim natural killer cell	-0.207861117	0.379190108	IGKV3D-20
0.01417334	IGLV4-60	Central memory CD4 T cell	0.610580919	0.004244416	IGKV3D-20
0.034791242	IGLV4-60	Central memory CD8 T cell	-0.302691965	0.194561505	IGKV3D-20
0.088837069	IGLV4-60	Effector memory CD4 T cell	-0.279170641	0.23326876	IGKV3D-20
0.69635741	IGLV4-60	Effector memory CD8 T cell	0.10814155	0.649959545	IGKV3D-20
0.254369431	IGLV4-60	Eosinophil	-0.183095175	0.439718113	IGKV3D-20
0.004057953	IGLV4-60	Gamma delta T cell	-0.529090594	0.016450156	IGKV3D-20
0.00104098	IGLV4-60	Immature B cell	0.643561731	0.002201556	IGKV3D-20
0.238484985	IGLV4-60	Immature dendritic cell	-0.042134882	0.859997414	IGKV3D-20
5.50E-05	IGLV4-60	Macrophage	-0.687033797	0.000818644	IGKV3D-20
0.126939599	IGLV4-60	Mast cell	-0.303761193	0.192911407	IGKV3D-20
0.03999617	IGLV4-60	Memory B cell	0.467661531	0.037592052	IGKV3D-20
0.001926226	IGLV4-60	Monocyte	-0.594528347	0.00569864	IGKV3D-20
0.021051375	IGLV4-60	Natural killer cell	-0.42156708	0.064128352	IGKV3D-20
0.092608778	IGLV4-60	Natural killer T cell	-0.39773066	0.082448097	IGKV3D-20
0.33156661	IGLV4-60	Neutrophil	-0.061692773	0.796114234	IGKV3D-20
0.10095805	IGLV4-60	Plasmacytoid dendritic cell	-0.304419311	0.191900442	IGKV3D-20
0.030348048	IGLV4-60	Regulatory T cell	-0.358803104	0.120291197	IGKV3D-20
0.055998012	IGLV4-60	T follicular helper cell	-0.507219674	0.02244785	IGKV3D-20
0.607267268	IGLV4-60	Type 1 T helper cell	-0.092239946	0.698923058	IGKV3D-20
0.349446214	IGLV4-60	Type 17 T helper cell	-0.236063311	0.316350765	IGKV3D-20
0.594934914	IGLV4-60	Type 2 T helper cell	0.165180484	0.486461072	IGKV3D-20

Immune cell	correlation	pvalue
Activated B cell	0.544963912	0.012962047
Activated CD4 T cell	0.544718485	0.013011007
Activated CD8 T cell	0.390721218	0.088507198
Activated dendritic cell	-0.718070884	0.000363202
CD56bright natural killer cell	-0.295174162	0.206430537
CD56dim natural killer cell	-0.36149603	0.117332534
Central memory CD4 T cell	0.148015671	0.533436028
Central memory CD8 T cell	-0.553292247	0.011386705
Effector memory CD4 T cell	-0.353383155	0.126407
Effector memory CD8 T cell	-0.024158286	0.919473641
Eosinophil	-0.370659245	0.107656
Gamma delta T cell	-0.420553184	0.064838762
Immature B cell	0.471781482	0.035719772
Immature dendritic cell	-0.313251968	0.178675848
Macrophage	-0.444653139	0.049488146
Mast cell	-0.287526591	0.218987419
Memory B cell	0.559870395	0.01025526
Monocyte	-0.454684377	0.043990982
Natural killer cell	-0.521167396	0.01845285
Natural killer T cell	-0.556419687	0.010836805
Neutrophil	-0.42143629	0.064219662
Plasmacytoid dendritic cell	-0.501033342	0.02442609
Regulatory T cell	-0.213815873	0.365372761
T follicular helper cell	-0.327441722	0.158752405
Type 1 T helper cell	-0.076968205	0.747053138
Type 17 T helper cell	-0.164240453	0.488979501
Type 2 T helper cell	0.181608181	0.443505697

Gene	Immune cell	correlation
IGKV2D-30	Activated B cell	0.709576268
IGKV2D-30	Activated CD4 T cell	0.459088413
IGKV2D-30	Activated CD8 T cell	0.42381629
IGKV2D-30	Activated dendritic cell	-0.429073106
IGKV2D-30	CD56bright natural killer cell	-0.374467903
IGKV2D-30	CD56dim natural killer cell	-0.277294012
IGKV2D-30	Central memory CD4 T cell	0.351053883
IGKV2D-30	Central memory CD8 T cell	-0.436571784
IGKV2D-30	Effector memory CD4 T cell	-0.675860974
IGKV2D-30	Effector memory CD8 T cell	0.015646569
IGKV2D-30	Eosinophil	-0.327404435
IGKV2D-30	Gamma delta T cell	-0.85621065
IGKV2D-30	Immature B cell	0.773312857
IGKV2D-30	Immature dendritic cell	-0.50390773
IGKV2D-30	Macrophage	-0.837535681
IGKV2D-30	Mast cell	-0.289936246
IGKV2D-30	Memory B cell	0.357791898
IGKV2D-30	Monocyte	-0.853294144
IGKV2D-30	Natural killer cell	-0.704692785
IGKV2D-30	Natural killer T cell	-0.535401944
IGKV2D-30	Neutrophil	-0.113193968
IGKV2D-30	Plasmacytoid dendritic cell	-0.596008442
IGKV2D-30	Regulatory T cell	-0.482221506
IGKV2D-30	T follicular helper cell	-0.526904144
IGKV2D-30	Type 1 T helper cell	-0.434323113
IGKV2D-30	Type 17 T helper cell	-0.211285883
IGKV2D-30	Type 2 T helper cell	-0.12037614

pvalue
0.000458277
0.041731814
0.062573354
0.059050189
0.103808814
0.236557154
0.129102086
0.054287325
0.001071794
0.947798477
0.158802652
1.46E-06
6.37E-05
0.023490462
4.09E-06
0.214978094
0.121415846
1.73E-06
0.000521948
0.014982888
0.634675924
0.005549412
0.031299717
0.016984513
0.055683729
0.371207825
0.613193705