

Table S7 Genes identified from TWAS analysis with adjustment for estimated cell proportions

tissue	disorder	Genes	Estimates	Pvalues	Pvalues Bonferroni	Pvalues BH	Genes symbol
Frontal_Cortex	Depression	ENSG00000137185.7	-0.00746677	1.15E-07	0.00023199	0.00023199	ZSCAN9
Frontal_Cortex	Depression	ENSG00000186470.9	0.006056761	5.48E-06	0.011029387	0.005514693	BTN3A2
Frontal_Cortex	Depression	ENSG00000244731.3	0.007837786	4.87E-05	0.097894721	0.032631574	C4A
Pancreas	T1DM	ENSG00000011523.9	0.001325547	0.000951142	1	0.046971796	CEP68
Pancreas	T1DM	ENSG00000076650.2	0.00350201	0.001014897	1	0.048263994	GPATCH1
Pancreas	T1DM	ENSG00000099785.6	0.001723183	0.000894079	1	0.045019514	MAR2
Pancreas	T1DM	ENSG00000103811.11	0.00136928	0.000514837	1	0.030047747	CTSH
Pancreas	T1DM	ENSG00000137288.5	0.002741843	0.00017006	0.436715289	0.010651592	UQCCH2
Pancreas	T1DM	ENSG00000167280.12	0.001353072	0.000788418	1	0.040493166	ENGASE
Pancreas	T1DM	ENSG00000179344.12	-0.005128632	1.02E-23	2.61E-20	2.90E-21	HLA-DQB1
Pancreas	T1DM	ENSG00000182477.5	0.001060164	0.000664007	1	0.035524367	OR2B8P
Pancreas	T1DM	ENSG00000186470.9	-0.000758885	0.000710369	1	0.037229152	BTN3A2
Pancreas	T1DM	ENSG00000189298.9	-0.004458125	7.78E-08	0.000199806	8.33E-06	ZKSCAN3
Pancreas	T1DM	ENSG00000196126.6	-0.002698071	1.65E-07	0.000424016	1.63E-05	HLA-DRB1
Pancreas	T1DM	ENSG00000196260.3	-0.003323491	9.19E-12	2.36E-08	1.39E-09	SFTA2
Pancreas	T1DM	ENSG00000197062.7	-0.00189623	1.18E-06	0.003025919	0.000100973	ZSCAN26
Pancreas	T1DM	ENSG00000197728.5	0.001237059	0.000370614	0.951737062	0.02213342	RPS26
Pancreas	T1DM	ENSG00000198502.5	-0.00301346	4.12E-42	1.06E-38	3.53E-39	HLA-DRB5
Pancreas	T1DM	ENSG00000204228.3	0.004829381	7.37E-29	1.89E-25	3.15E-26	HSD17B8
Pancreas	T1DM	ENSG00000204257.10	0.002926395	1.63E-24	4.20E-21	5.99E-22	HLA-DMA
Pancreas	T1DM	ENSG00000204301.5	-0.006547428	6.03E-21	1.55E-17	1.29E-18	NOTCH4
Pancreas	T1DM	ENSG00000204305.9	0.003473496	0.000630238	1	0.035183725	AGER
Pancreas	T1DM	ENSG00000204308.6	-0.001847391	3.47E-10	8.91E-07	4.24E-08	RNF5
Pancreas	T1DM	ENSG00000204338.4	-0.003264189	5.12E-24	1.32E-20	1.64E-21	CYP21A1P
Pancreas	T1DM	ENSG00000204351.7	-0.002286615	3.29E-16	8.46E-13	5.64E-14	SKIV2L
Pancreas	T1DM	ENSG00000204371.7	0.004287551	5.24E-05	0.134472267	0.003448007	EHMT2
Pancreas	T1DM	ENSG00000204520.8	0.001335479	3.05E-06	0.007828172	0.00024463	MICA
Pancreas	T1DM	ENSG00000204531.11	0.001807975	0.000537775	1	0.030689054	POU5F1
Pancreas	T1DM	ENSG00000204536.9	0.002663351	3.64E-05	0.093462968	0.002526026	CCHCR1
Pancreas	T1DM	ENSG00000204540.6	-0.001950221	8.76E-10	2.25E-06	1.02E-07	PSORSIC1
Pancreas	T1DM	ENSG00000204616.6	-0.00191466	4.16E-06	0.010691458	0.000323984	TRIM31
Pancreas	T1DM	ENSG00000204618.4	0.004198795	3.31E-11	8.49E-08	4.72E-09	RNF39
Pancreas	T1DM	ENSG00000204644.5	0.001547671	4.08E-05	0.104775866	0.00275726	ZFP57
Pancreas	T1DM	ENSG00000206344.6	0.002977877	1.34E-10	3.44E-07	1.72E-08	HCG27
Pancreas	T1DM	ENSG00000213676.6	0.002561615	1.09E-12	2.80E-09	1.75E-10	ATF6B
Pancreas	T1DM	ENSG00000219392.1	-0.002417068	0.000212601	0.54596026	0.012999054	ZNF602P
Pancreas	T1DM	ENSG00000221988.8	0.005303927	2.86E-07	0.000734179	2.62E-05	PPT2
Pancreas	T1DM	ENSG00000224389.4	0.00421063	0.000645279	1	0.035256929	C4B
Pancreas	T1DM	ENSG00000224796.1	0.005967223	9.62E-18	2.47E-14	1.76E-15	RPL32P1
Pancreas	T1DM	ENSG00000229391.3	0.00548266	7.27E-57	1.87E-53	1.87E-53	HLA-DRB6
Pancreas	T1DM	ENSG00000229759.1	-0.000987176	0.001006625	1	0.048263994	MRPS18API
Pancreas	T1DM	ENSG00000229836.1	0.002331707	4.44E-11	1.14E-07	6.00E-09	AL671883.1
Pancreas	T1DM	ENSG00000231402.1	0.001481549	7.23E-06	0.018565432	0.000546042	WASF5P
Pancreas	T1DM	ENSG00000232629.4	0.004673446	8.00E-49	2.05E-45	1.03E-45	HLA-DQB2
Pancreas	T1DM	ENSG00000235109.3	0.001010507	1.34E-05	0.034411136	0.000983175	ZSCAN31
Pancreas	T1DM	ENSG00000235863.2	-0.002857608	8.62E-08	0.000221331	8.85E-06	B3GALT4
Pancreas	T1DM	ENSG00000236529.1	0.005184831	8.94E-05	0.229568895	0.005739222	AC093582.1
Pancreas	T1DM	ENSG00000237541.3	0.005975981	3.36E-33	8.62E-30	1.72E-30	HLA-DQA2
Pancreas	T1DM	ENSG00000237669.1	0.001754426	2.19E-05	0.056322705	0.00156452	HCG4P3
Pancreas	T1DM	ENSG00000240065.3	0.007869288	1.17E-18	3.02E-15	2.32E-16	PSMB9
Pancreas	T1DM	ENSG00000241106.2	0.003160014	8.80E-22	2.26E-18	2.26E-19	HLA-DOB
Pancreas	T1DM	ENSG00000244731.3	-0.005707524	4.20E-39	1.08E-35	2.70E-36	C4A
Pancreas	T1DM	ENSG00000256166.1	0.00457933	1.78E-21	4.57E-18	4.15E-19	LINC02571
Pancreas	T1DM	ENSG00000260302.1	0.003368503	1.23E-06	0.003153478	0.000101725	AP005482.1
Pancreas	T1DM	ENSG00000271821.1	0.004648183	6.10E-09	1.57E-05	6.81E-07	AL662844.3
Pancreas	T1DM	ENSG00000272221.1	0.001082551	1.18E-06	0.003029201	0.000100973	AL645933.2
Pancreas	T1DM	ENSG00000273340.1	-0.001544797	2.00E-07	0.000514838	1.91E-05	MICE
Pancreas	T2DM	ENSG00000004534.10	-0.003390982	2.09E-07	0.000536566	4.47E-05	RBM6
Pancreas	T2DM	ENSG00000009950.11	0.005475443	7.49E-05	0.192443649	0.00620786	MLXIPL
Pancreas	T2DM	ENSG00000010310.4	-0.007610444	0.001251798	1	0.041213052	GIPR
Pancreas	T2DM	ENSG00000011523.9	0.005802564	2.69E-08	6.90E-05	8.62E-06	CEP68
Pancreas	T2DM	ENSG00000030110.8	0.011156062	1.50E-06	0.003841518	0.000295501	BAK1
Pancreas	T2DM	ENSG00000071564.10	-0.01089176	3.09E-05	0.07947676	0.00317907	TCF3
Pancreas	T2DM	ENSG00000073849.10	0.008270266	0.00088985	1	0.035007351	ST6GAL1
Pancreas	T2DM	ENSG00000075413.13	-0.015496001	1.43E-08	3.67E-05	6.11E-06	MARK3
Pancreas	T2DM	ENSG00000095485.12	-0.002744302	9.36E-05	0.24034529	0.006867008	CWF19L1
Pancreas	T2DM	ENSG00000103479.10	0.00592164	0.000935895	1	0.035007351	RBL2

Pancreas	T2DM	ENSG00000103512.10	0.008474265	0.001236309	1	0.041213052	<i>NOMOI</i>
Pancreas	T2DM	ENSG00000108272.9	0.008330781	0.000664537	1	0.027975937	<i>DHRS11</i>
Pancreas	T2DM	ENSG00000108786.6	-0.004805415	0.000499085	1	0.021722878	<i>HSD17B1</i>
Pancreas	T2DM	ENSG00000108797.7	0.007147391	9.16E-05	0.235198822	0.006867008	<i>CNTNAP1</i>
Pancreas	T2DM	ENSG00000111215.7	0.005431707	0.001205918	1	0.041213052	<i>PRR4</i>
Pancreas	T2DM	ENSG00000111328.2	0.005520515	0.000104286	0.267807666	0.007238045	<i>CDK2AP1</i>
Pancreas	T2DM	ENSG00000112992.12	-0.005738601	0.000392877	1	0.018016234	<i>NNT</i>
Pancreas	T2DM	ENSG00000118997.9	-0.005746083	6.75E-05	0.173456832	0.005867345	<i>DNAH7</i>
Pancreas	T2DM	ENSG00000122025.10	0.010215487	0.000316861	0.813698724	0.016606096	<i>FLT3</i>
Pancreas	T2DM	ENSG00000125510.11	-0.006832768	0.000346762	0.890484394	0.017313505	<i>OPRL1</i>
Pancreas	T2DM	ENSG00000127947.11	-0.006240122	0.001512784	1	0.046247973	<i>PTPN12</i>
Pancreas	T2DM	ENSG00000127957.12	-0.009625212	0.000173052	0.444398316	0.01082434	<i>PMS2P3</i>
Pancreas	T2DM	ENSG00000129933.16	-0.008834154	7.13E-06	0.018321281	0.001017849	<i>MAU2</i>
Pancreas	T2DM	ENSG00000129990.10	0.006887412	0.000924382	1	0.035007351	<i>SYT5</i>
Pancreas	T2DM	ENSG00000134250.13	-0.008000125	2.20E-08	5.65E-05	8.07E-06	<i>NOTCH2</i>
Pancreas	T2DM	ENSG00000137731.9	-0.010351556	0.000350585	0.900302277	0.017313505	<i>FXYD2</i>
Pancreas	T2DM	ENSG00000140400.10	-0.002868918	1.43E-05	0.03679585	0.001678243	<i>MAN2C1</i>
Pancreas	T2DM	ENSG00000141699.6	0.007398656	0.001685754	1	0.049193366	<i>RETREG3</i>
Pancreas	T2DM	ENSG00000143442.17	0.006901254	0.000305301	0.784013724	0.016333619	<i>POGZ</i>
Pancreas	T2DM	ENSG00000144619.10	-0.005575035	0.000651628	1	0.027889658	<i>CNTN4</i>
Pancreas	T2DM	ENSG00000146830.9	-0.010291089	0.000300944	0.772823351	0.016333619	<i>GIGYF1</i>
Pancreas	T2DM	ENSG00000148396.14	0.005463332	0.000940618	1	0.035007351	<i>SEC16A</i>
Pancreas	T2DM	ENSG00000149084.7	-0.002290071	0.000128606	0.330261193	0.008691084	<i>HSD17B12</i>
Pancreas	T2DM	ENSG00000149089.8	-0.002356519	0.000386979	0.993761967	0.018016234	<i>APIP</i>
Pancreas	T2DM	ENSG00000152104.7	-0.006777086	0.00033152	0.851343463	0.017026869	<i>PTPN14</i>
Pancreas	T2DM	ENSG00000153814.7	-0.014959557	1.38E-16	3.53E-13	1.77E-13	<i>JAZF1</i>
Pancreas	T2DM	ENSG00000154222.10	-0.003477822	0.00157501	1	0.047583821	<i>CC2D1B</i>
Pancreas	T2DM	ENSG00000158008.5	-0.007992289	0.000999426	1	0.036296432	<i>EXTL1</i>
Pancreas	T2DM	ENSG00000160161.5	-0.006339408	9.30E-05	0.238915573	0.006867008	<i>CILP2</i>
Pancreas	T2DM	ENSG00000163596.12	-0.003406978	0.000282651	0.725847988	0.015779304	<i>ICA1L</i>
Pancreas	T2DM	ENSG00000165806.15	0.004279545	0.000169558	0.435423934	0.01082434	<i>CASP7</i>
Pancreas	T2DM	ENSG00000166165.8	-0.006755751	0.000755449	1	0.03079354	<i>CKB</i>
Pancreas	T2DM	ENSG00000166228.4	-0.00579283	0.000915441	1	0.035007351	<i>PCBD1</i>
Pancreas	T2DM	ENSG00000169592.10	-0.006572023	5.64E-05	0.144908824	0.005366993	<i>INO80E</i>
Pancreas	T2DM	ENSG00000171282.9	0.009486891	0.001153067	1	0.040014551	<i>RPL11-1055B8.7</i>
Pancreas	T2DM	ENSG00000172543.3	-0.002839118	0.001395532	1	0.043177411	<i>CTSW</i>
Pancreas	T2DM	ENSG00000175287.14	0.005413463	0.000681648	1	0.028233422	<i>PHYHD1</i>
Pancreas	T2DM	ENSG00000177508.11	0.034517692	1.07E-24	2.74E-21	2.74E-21	<i>IRX3</i>
Pancreas	T2DM	ENSG00000179115.6	-0.009690395	6.85E-05	0.176020353	0.005867345	<i>FARSA</i>
Pancreas	T2DM	ENSG00000179344.12	-0.005764969	1.44E-05	0.036921346	0.001678243	<i>HLA-DQB1</i>
Pancreas	T2DM	ENSG00000182179.6	-0.006123407	3.58E-06	0.009191265	0.000574454	<i>UBA7</i>
Pancreas	T2DM	ENSG00000182196.9	0.006289973	0.001063875	1	0.037944862	<i>ARL6IP4</i>
Pancreas	T2DM	ENSG00000182853.7	0.009114508	0.000430246	1	0.019383719	<i>VMO1</i>
Pancreas	T2DM	ENSG00000182986.8	0.002506032	0.000497541	1	0.021722878	<i>ZNF320</i>
Pancreas	T2DM	ENSG00000196126.6	-0.007080686	1.29E-07	0.000330092	3.67E-05	<i>HLA-DRB1</i>
Pancreas	T2DM	ENSG00000197181.7	-0.006163042	0.001003523	1	0.036296432	<i>PIWIL2</i>
Pancreas	T2DM	ENSG00000198231.8	0.005189024	0.001280564	1	0.041595044	<i>DDX42</i>
Pancreas	T2DM	ENSG00000198502.5	-0.002142697	0.000202147	0.519114255	0.011540993	<i>HLA-DRB5</i>
Pancreas	T2DM	ENSG00000204301.5	-0.009430689	2.01E-07	0.000515805	4.47E-05	<i>NOTCH4</i>
Pancreas	T2DM	ENSG00000204308.6	-0.003358619	1.15E-05	0.029632844	0.001481642	<i>RNF5</i>
Pancreas	T2DM	ENSG00000204618.4	0.006120477	0.000202237	0.519344697	0.011540993	<i>HCF39</i>
Pancreas	T2DM	ENSG00000206344.6	0.005451321	6.20E-06	0.015923188	0.000936658	<i>HCG27</i>
Pancreas	T2DM	ENSG00000212127.5	0.004619555	0.001078869	1	0.037952557	<i>TAS2R14</i>
Pancreas	T2DM	ENSG00000213221.4	0.003475301	0.000151837	0.389916725	0.009997865	<i>DNLZ</i>
Pancreas	T2DM	ENSG00000213676.6	0.003689686	8.11E-05	0.208149941	0.006504686	<i>ATF6B</i>
Pancreas	T2DM	ENSG00000221988.8	0.011478438	1.96E-05	0.050267513	0.00209448	<i>PPT2</i>
Pancreas	T2DM	ENSG00000226232.4	-0.005853611	0.000177034	0.454622272	0.01082434	<i>NP1PB14P</i>
Pancreas	T2DM	ENSG00000229358.3	0.008015619	0.001314696	1	0.041595044	<i>DPY19L1P1</i>
Pancreas	T2DM	ENSG00000229391.3	0.005695894	2.22E-10	5.69E-07	1.42E-07	<i>HLA-DRB6</i>
Pancreas	T2DM	ENSG00000232629.4	0.003925356	2.13E-06	0.00546221	0.000390158	<i>HLA-DQB2</i>
Pancreas	T2DM	ENSG00000232709.1	0.016328072	1.43E-07	0.000367483	3.67E-05	<i>MARK2P9</i>
Pancreas	T2DM	ENSG00000233609.3	0.006531883	0.0013071	1	0.041595044	<i>RPL10P19</i>
Pancreas	T2DM	ENSG00000234745.5	0.004304633	8.80E-06	0.022585931	0.001188733	<i>HLA-B</i>
Pancreas	T2DM	ENSG00000237541.3	0.008292364	1.52E-10	3.91E-07	1.30E-07	<i>HLA-DQA2</i>
Pancreas	T2DM	ENSG00000242142.1	0.005616489	1.55E-05	0.039699319	0.001726057	<i>SERBP1P3</i>
Pancreas	T2DM	ENSG00000243753.1	0.003987296	0.000187121	0.480527565	0.01117506	<i>HLA-L</i>
Pancreas	T2DM	ENSG00000243789.6	0.010325288	3.85E-05	0.098905593	0.003804061	<i>JMJD7</i>
Pancreas	T2DM	ENSG00000244731.3	-0.004050586	0.000359177	0.922367039	0.017403152	<i>C4A</i>
Pancreas	T2DM	ENSG00000247157.2	0.00266161	0.001221003	1	0.041213052	<i>LINC01252</i>

Pancreas	T2DM	ENSG00000248278.1	0.010730371	8.16E-09	2.10E-05	4.19E-06	<i>SUMO2P17</i>
Pancreas	T2DM	ENSG00000251417.1	-0.011273189	0.00010252	0.263271012	0.007238045	<i>AC145285.2</i>
Pancreas	T2DM	ENSG00000255837.1	0.005362829	0.000368183	0.945494511	0.017509158	<i>TAS2R20</i>
Pancreas	T2DM	ENSG00000256166.1	0.00394022	0.001645521	1	0.049136026	<i>LINC02571</i>
Pancreas	T2DM	ENSG00000260274.1	-0.00864181	3.33E-06	0.008548825	0.000569922	<i>AC068338.2</i>
Pancreas	T2DM	ENSG00000260814.2	-0.009836941	6.36E-05	0.16335838	0.005834228	<i>AC073657.1</i>
Pancreas	T2DM	ENSG00000260911.1	0.002981356	0.001328191	1	0.041595044	<i>AC135050.3</i>
Pancreas	T2DM	ENSG00000266402.2	0.006440631	0.001684234	1	0.049193366	<i>SNHG25</i>
Pancreas	T2DM	ENSG00000268225.1	0.005457087	0.000805299	1	0.032312635	<i>AC010487.1</i>
Pancreas	T2DM_admission	ENSG00000004534.10	-0.004079342	5.56E-08	0.000142866	1.19E-05	<i>RBM6</i>
Pancreas	T2DM_admission	ENSG00000009950.11	0.00616156	0.000106044	0.272320373	0.004862864	<i>MLXIPL</i>
Pancreas	T2DM_admission	ENSG00000010310.4	-0.012696912	2.83E-06	0.00726367	0.000279372	<i>GIPR</i>
Pancreas	T2DM_admission	ENSG00000011523.9	0.00801619	2.35E-11	6.04E-08	1.51E-08	<i>CEP68</i>
Pancreas	T2DM_admission	ENSG00000030110.8	0.015225334	1.11E-08	2.86E-05	3.18E-06	<i>BAK1</i>
Pancreas	T2DM_admission	ENSG00000070182.13	0.007559817	0.001507734	1	0.034570176	<i>SPTB</i>
Pancreas	T2DM_admission	ENSG00000071564.10	-0.012824389	1.98E-05	0.050822034	0.001350902	<i>TCF3</i>
Pancreas	T2DM_admission	ENSG00000073849.10	0.010812744	0.000157185	0.403651934	0.006727532	<i>ST6GALI</i>
Pancreas	T2DM_admission	ENSG00000075413.13	-0.017572302	2.23E-08	5.73E-05	5.73E-06	<i>MARK3</i>
Pancreas	T2DM_admission	ENSG00000085276.13	0.011594278	0.001676925	1	0.037123647	<i>MECOM</i>
Pancreas	T2DM_admission	ENSG00000095485.12	-0.002691743	0.000858718	1	0.022501904	<i>CWF19LI</i>
Pancreas	T2DM_admission	ENSG00000103479.10	0.007204804	0.000461394	1	0.014836914	<i>RBL2</i>
Pancreas	T2DM_admission	ENSG00000106460.14	0.014459691	0.000115829	0.297449737	0.005128444	<i>TMEM106B</i>
Pancreas	T2DM_admission	ENSG00000108272.9	0.00984537	0.000466752	1	0.014836914	<i>DHRS11</i>
Pancreas	T2DM_admission	ENSG00000108786.6	-0.006211876	9.06E-05	0.232624698	0.004561269	<i>HSD17B1</i>
Pancreas	T2DM_admission	ENSG00000108797.7	0.009263183	1.03E-05	0.026534622	0.000855956	<i>CNTNAP1</i>
Pancreas	T2DM_admission	ENSG00000109332.15	0.008568223	0.001757362	1	0.037900714	<i>UBE2D3</i>
Pancreas	T2DM_admission	ENSG00000110435.7	0.00560014	0.000442318	1	0.014562474	<i>PDHX</i>
Pancreas	T2DM_admission	ENSG00000111328.2	0.007000092	1.87E-05	0.0479777	0.001332714	<i>CDK2API</i>
Pancreas	T2DM_admission	ENSG00000112992.12	-0.005680457	0.00227125	1	0.045925741	<i>NNT</i>
Pancreas	T2DM_admission	ENSG00000118997.9	-0.00557876	0.000764715	1	0.02089137	<i>DNAH7</i>
Pancreas	T2DM_admission	ENSG00000120662.11	0.007705107	0.001501548	1	0.034570176	<i>MTRF1</i>
Pancreas	T2DM_admission	ENSG00000120709.6	-0.00937125	0.000390583	1	0.013197599	<i>FAM53C</i>
Pancreas	T2DM_admission	ENSG00000121417.9	0.004823925	0.000295197	0.758066429	0.010676992	<i>ZNF211</i>
Pancreas	T2DM_admission	ENSG00000122008.11	-0.012621596	7.26E-05	0.186389665	0.003820742	<i>POLK</i>
Pancreas	T2DM_admission	ENSG00000122025.10	0.012696434	9.89E-05	0.254020561	0.004743932	<i>FLT3</i>
Pancreas	T2DM_admission	ENSG00000125510.11	-0.008958746	4.50E-05	0.115494012	0.002566534	<i>OPRL1</i>
Pancreas	T2DM_admission	ENSG00000127220.5	0.011222474	0.001010119	1	0.024942174	<i>ABHD8</i>
Pancreas	T2DM_admission	ENSG00000127957.12	-0.011606869	8.17E-05	0.209896114	0.004197922	<i>PMS2P3</i>
Pancreas	T2DM_admission	ENSG00000129933.16	-0.010881454	1.51E-06	0.003867433	0.000168149	<i>MAU2</i>
Pancreas	T2DM_admission	ENSG00000130338.8	0.006369486	0.002317059	1	0.046486001	<i>TULP4</i>
Pancreas	T2DM_admission	ENSG00000131323.10	0.010154383	0.000354405	0.910111926	0.01229881	<i>TRAF3</i>
Pancreas	T2DM_admission	ENSG00000132840.5	-0.00860861	0.002576529	1	0.049748322	<i>BHMT2</i>
Pancreas	T2DM_admission	ENSG00000134250.13	-0.01085356	4.02E-11	1.03E-07	1.72E-08	<i>NOTCH2</i>
Pancreas	T2DM_admission	ENSG00000137731.9	-0.012310023	0.000217445	0.558399045	0.008724985	<i>FXYD2</i>
Pancreas	T2DM_admission	ENSG00000137877.8	0.006679197	0.000613964	1	0.01808218	<i>SPTBN5</i>
Pancreas	T2DM_admission	ENSG00000140105.13	-0.008021632	0.002256074	1	0.045925741	<i>WARS</i>
Pancreas	T2DM_admission	ENSG00000140400.10	-0.003371954	9.17E-06	0.023547153	0.000784905	<i>MAN2C1</i>
Pancreas	T2DM_admission	ENSG00000141560.10	-0.002704509	0.002435554	1	0.047382588	<i>FN3KRP</i>
Pancreas	T2DM_admission	ENSG00000141699.6	0.009879832	0.000264184	0.678423687	0.009832227	<i>RETREG3</i>
Pancreas	T2DM_admission	ENSG00000142459.4	0.011136233	0.000975993	1	0.024333486	<i>EVI5L</i>
Pancreas	T2DM_admission	ENSG00000143442.17	0.008715599	7.29E-05	0.187216347	0.003820742	<i>PCGZ</i>
Pancreas	T2DM_admission	ENSG00000144354.9	0.008378808	0.001580914	1	0.035612178	<i>CDA7</i>
Pancreas	T2DM_admission	ENSG00000146830.9	-0.009932279	0.002409529	1	0.047382588	<i>GIGYF1</i>
Pancreas	T2DM_admission	ENSG00000148384.11	0.011701738	0.000236485	0.607294529	0.009146244	<i>INPP5E</i>
Pancreas	T2DM_admission	ENSG00000148396.14	0.007129687	0.00017345	0.44542075	0.007184206	<i>SEC16A</i>
Pancreas	T2DM_admission	ENSG00000149084.7	-0.00335888	1.03E-06	0.002651263	0.000142584	<i>HSD17B12</i>
Pancreas	T2DM_admission	ENSG00000149089.8	-0.00277456	0.000278415	0.714968769	0.01021384	<i>APIP</i>
Pancreas	T2DM_admission	ENSG00000152104.7	-0.007927167	0.000260128	0.668007466	0.009823639	<i>PTPN14</i>
Pancreas	T2DM_admission	ENSG00000152359.10	-0.003990894	1.68E-05	0.043179105	0.001233689	<i>POC5</i>
Pancreas	T2DM_admission	ENSG00000153814.7	-0.01990934	1.06E-21	2.73E-18	1.37E-18	<i>JAZF1</i>
Pancreas	T2DM_admission	ENSG00000158008.5	-0.009597613	0.000587336	1	0.017744464	<i>EXTL1</i>
Pancreas	T2DM_admission	ENSG00000160161.5	-0.007926634	2.13E-05	0.054740754	0.001368519	<i>CILP2</i>
Pancreas	T2DM_admission	ENSG00000163486.8	0.011060414	5.94E-05	0.152468412	0.003314531	<i>SRGAP2</i>
Pancreas	T2DM_admission	ENSG00000163596.12	-0.004430095	4.01E-05	0.103097455	0.002343124	<i>ICA1L</i>
Pancreas	T2DM_admission	ENSG00000164039.10	-0.012698592	0.000114468	0.293953683	0.005128444	<i>BDH2</i>
Pancreas	T2DM_admission	ENSG00000165806.15	0.00554244	2.27E-05	0.058311437	0.00142223	<i>CASP7</i>
Pancreas	T2DM_admission	ENSG00000166037.6	-0.00598283	0.00156982	1	0.035612178	<i>CEP57</i>
Pancreas	T2DM_admission	ENSG00000166165.8	-0.00821443	0.000366742	0.94179234	0.012557231	<i>CKB</i>
Pancreas	T2DM_admission	ENSG00000166224.12	-0.006811393	0.000624863	1	0.01808218	<i>SGPL1</i>

Pancreas	T2DM_admission	ENSG00000166228.4	-0.008267438	3.86E-05	0.099079482	0.002304174	<i>PCBD1</i>
Pancreas	T2DM_admission	ENSG00000167543.11	-0.007383652	0.002243398	1	0.045925741	<i>TP53I13</i>
Pancreas	T2DM_admission	ENSG00000168936.6	-0.004773666	0.000315962	0.811389521	0.011114925	<i>TMEM129</i>
Pancreas	T2DM_admission	ENSG00000169085.7	0.002641402	0.001727763	1	0.037900714	<i>C8orf46</i>
Pancreas	T2DM_admission	ENSG00000169592.10	-0.007317963	9.59E-05	0.246222586	0.004735505	<i>INO80E</i>
Pancreas	T2DM_admission	ENSG00000171282.9	0.011585037	0.000555312	1	0.016976669	<i>RP11-1055B8.7</i>
Pancreas	T2DM_admission	ENSG00000171700.9	-0.012509999	0.000967632	1	0.024333486	<i>RGS19</i>
Pancreas	T2DM_admission	ENSG00000171962.13	0.006658459	0.002398602	1	0.047382588	<i>DRC3</i>
Pancreas	T2DM_admission	ENSG00000172379.14	0.010991663	0.002102662	1	0.043899482	<i>ARNT2</i>
Pancreas	T2DM_admission	ENSG00000172543.3	-0.003497353	0.000616674	1	0.01808218	<i>CTSW</i>
Pancreas	T2DM_admission	ENSG00000172766.14	0.007167733	0.000238629	0.612798355	0.009146244	<i>NAA16</i>
Pancreas	T2DM_admission	ENSG00000172803.13	0.006398894	0.000502221	1	0.0157281	<i>SNX32</i>
Pancreas	T2DM_admission	ENSG00000172922.4	-0.007622601	0.000539931	1	0.016705334	<i>RNASEH2C</i>
Pancreas	T2DM_admission	ENSG00000173517.6	0.009597473	0.000100182	0.257267876	0.004743932	<i>PEAK1</i>
Pancreas	T2DM_admission	ENSG00000174851.10	-0.004692675	0.000633721	1	0.01808218	<i>YIF1A</i>
Pancreas	T2DM_admission	ENSG00000175213.2	-0.008610972	0.001745712	1	0.037900714	<i>ZNF408</i>
Pancreas	T2DM_admission	ENSG00000176920.10	0.002110449	0.00128499	1	0.029998675	<i>FUT2</i>
Pancreas	T2DM_admission	ENSG00000177103.9	-0.011215691	0.001052818	1	0.025506004	<i>DSCAML1</i>
Pancreas	T2DM_admission	ENSG00000177508.11	0.043386835	3.32E-29	8.53E-26	8.53E-26	<i>IRX3</i>
Pancreas	T2DM_admission	ENSG00000178449.4	0.013306419	3.69E-05	0.094757544	0.002256132	<i>COX14</i>
Pancreas	T2DM_admission	ENSG00000179115.6	-0.014531005	2.07E-07	0.000530986	3.54E-05	<i>FARSA</i>
Pancreas	T2DM_admission	ENSG00000179218.9	0.006815996	0.002433156	1	0.047382588	<i>CALR</i>
Pancreas	T2DM_admission	ENSG00000179344.12	-0.006641743	1.38E-05	0.035381477	0.001040632	<i>HLA-DQB1</i>
Pancreas	T2DM_admission	ENSG00000182179.6	-0.006848135	6.53E-06	0.016770604	0.000578297	<i>UBA7</i>
Pancreas	T2DM_admission	ENSG00000182196.9	0.009409567	2.05E-05	0.052685164	0.001350902	<i>ARL6IP4</i>
Pancreas	T2DM_admission	ENSG00000182853.7	0.010172743	0.000630382	1	0.01808218	<i>VMO1</i>
Pancreas	T2DM_admission	ENSG00000182986.8	0.0026095	0.001610592	1	0.035965224	<i>ZNF320</i>
Pancreas	T2DM_admission	ENSG00000184110.10	0.006706056	0.001242629	1	0.029275881	<i>EIF3C</i>
Pancreas	T2DM_admission	ENSG00000184207.8	-0.0089307	0.000704915	1	0.019464736	<i>PGP</i>
Pancreas	T2DM_admission	ENSG00000185800.7	-0.008301343	0.000467987	1	0.014836914	<i>DMWD</i>
Pancreas	T2DM_admission	ENSG00000189398.5	-0.00916689	0.001052449	1	0.025506004	<i>OR7E12P</i>
Pancreas	T2DM_admission	ENSG00000196126.6	-0.009044117	4.42E-09	1.14E-05	1.42E-06	<i>HLA-DRB1</i>
Pancreas	T2DM_admission	ENSG00000197062.7	-0.003916796	0.000790399	1	0.021305919	<i>ZSCAN26</i>
Pancreas	T2DM_admission	ENSG00000198231.8	0.00691372	0.000189757	0.487295193	0.007734844	<i>DDX42</i>
Pancreas	T2DM_admission	ENSG00000198502.5	-0.003228579	1.11E-06	0.002851675	0.000142584	<i>HLA-DRB5</i>
Pancreas	T2DM_admission	ENSG00000203896.5	-0.005833638	0.00040633	1	0.013551358	<i>LIME1</i>
Pancreas	T2DM_admission	ENSG00000204301.5	-0.011380091	4.85E-08	0.000124521	1.13E-05	<i>NOTCH4</i>
Pancreas	T2DM_admission	ENSG00000204305.9	0.01145245	0.000164224	0.421726197	0.006913544	<i>AGER</i>
Pancreas	T2DM_admission	ENSG00000204308.6	-0.004254754	1.34E-06	0.003448223	0.000159026	<i>RNF5</i>
Pancreas	T2DM_admission	ENSG00000204536.9	0.006030272	0.001771061	1	0.037900714	<i>CCHCR1</i>
Pancreas	T2DM_admission	ENSG00000204618.4	0.008075007	2.00E-05	0.051357663	0.001350902	<i>RNF39</i>
Pancreas	T2DM_admission	ENSG00000206344.6	0.006995768	4.53E-07	0.001164083	6.85E-05	<i>HCG27</i>
Pancreas	T2DM_admission	ENSG00000213221.4	0.003590248	0.00066392	1	0.018532014	<i>DNLZ</i>
Pancreas	T2DM_admission	ENSG00000213676.6	0.004693253	1.30E-05	0.033270991	0.001008212	<i>ATF6B</i>
Pancreas	T2DM_admission	ENSG00000221988.8	0.012348534	6.45E-05	0.165734288	0.003526261	<i>PPT2</i>
Pancreas	T2DM_admission	ENSG00000224997.1	-0.010166834	0.002223762	1	0.045925741	<i>AL049840.1</i>
Pancreas	T2DM_admission	ENSG00000226232.4	-0.009353299	1.87E-07	0.000480093	3.45E-05	<i>NPIPB14P</i>
Pancreas	T2DM_admission	ENSG00000228536.1	-0.011336111	0.00080478	1	0.021305919	<i>AL513283.1</i>
Pancreas	T2DM_admission	ENSG00000228782.3	0.010041216	0.001991941	1	0.041928731	<i>MRPL45P2</i>
Pancreas	T2DM_admission	ENSG00000229358.3	0.010590744	0.000222079	0.570298636	0.008773825	<i>DPY19L1P1</i>
Pancreas	T2DM_admission	ENSG00000229391.3	0.007648099	1.25E-13	3.20E-10	1.07E-10	<i>HLA-DRB6</i>
Pancreas	T2DM_admission	ENSG00000232629.4	0.004342978	5.05E-06	0.012966013	0.000463072	<i>HLA-DQB2</i>
Pancreas	T2DM_admission	ENSG00000232709.1	0.018591513	1.88E-07	0.000482464	3.45E-05	<i>MARK2P9</i>
Pancreas	T2DM_admission	ENSG00000233609.3	0.007831483	0.000801081	1	0.021305919	<i>RPL10P19</i>
Pancreas	T2DM_admission	ENSG00000234745.5	0.005630106	4.26E-07	0.00109393	6.84E-05	<i>HLA-B</i>
Pancreas	T2DM_admission	ENSG00000235728.1	0.010568321	0.000949119	1	0.024333486	<i>AC007349.3</i>
Pancreas	T2DM_admission	ENSG00000237541.3	0.009897901	2.97E-11	7.62E-08	1.52E-08	<i>HLA-DQA2</i>
Pancreas	T2DM_admission	ENSG00000242142.1	0.006541034	1.20E-05	0.030693395	0.000959169	<i>SERBP1P3</i>
Pancreas	T2DM_admission	ENSG00000243753.1	0.005636415	4.36E-06	0.011183958	0.000414221	<i>HLA-L</i>
Pancreas	T2DM_admission	ENSG00000243789.6	0.013771152	1.79E-06	0.004600739	0.000191697	<i>JMJD7</i>
Pancreas	T2DM_admission	ENSG00000244731.3	-0.004959515	0.000144383	0.37077513	0.006284324	<i>C4A</i>
Pancreas	T2DM_admission	ENSG00000248278.1	0.012555206	4.42E-09	1.13E-05	1.42E-06	<i>SUMO2P17</i>
Pancreas	T2DM_admission	ENSG00000251417.1	-0.016115347	1.36E-06	0.003498578	0.000159026	<i>AC145285.2</i>
Pancreas	T2DM_admission	ENSG00000255837.1	0.005892655	0.000662937	1	0.018532014	<i>TAS2R20</i>
Pancreas	T2DM_admission	ENSG00000256166.1	0.005593169	0.000101603	0.260916247	0.004743932	<i>LINC02571</i>
Pancreas	T2DM_admission	ENSG00000256269.2	0.003970794	0.000307966	0.790857457	0.010984131	<i>HMBS</i>
Pancreas	T2DM_admission	ENSG00000259015.1	0.010978509	0.000916131	1	0.023763878	<i>AL442663.4</i>
Pancreas	T2DM_admission	ENSG00000259982.1	0.003770031	0.001084246	1	0.026021899	<i>CDC37P1</i>
Pancreas	T2DM_admission	ENSG00000260274.1	-0.0100469	2.58E-06	0.00661842	0.000264737	<i>AC068338.2</i>

Pancreas	T2DM_admission	ENSG00000260814.2	-0.013794527	1.07E-06	0.002750836	0.000142584	<i>AC073657.1</i>
Pancreas	T2DM_admission	ENSG00000260911.1	0.003469898	0.001155556	1	0.027476549	<i>AC135050.3</i>
Pancreas	T2DM_admission	ENSG00000268225.1	0.005797225	0.001957795	1	0.041550561	<i>AC010487.1</i>
Pancreas	T2DM_admission	ENSG00000271751.1	-0.006643723	0.000968019	1	0.024333486	<i>AP003392.5</i>
Pancreas	T2DM_insulin	ENSG00000011523.9	0.00183511	0.000117037	0.300550854	0.023907024	<i>CEP68</i>
Pancreas	T2DM_insulin	ENSG00000156219.12	-0.001325614	3.11E-05	0.079913695	0.007991369	<i>ART3</i>
Pancreas	T2DM_insulin	ENSG00000158008.5	-0.004044948	0.000264116	0.678250212	0.039897071	<i>EXTL1</i>
Pancreas	T2DM_insulin	ENSG00000169248.8	0.001352167	2.38E-05	0.061128358	0.00679204	<i>CXCL11</i>
Pancreas	T2DM_insulin	ENSG00000177508.11	0.009360706	1.10E-09	2.82E-06	5.63E-07	<i>IRX3</i>
Pancreas	T2DM_insulin	ENSG00000179344.12	-0.00269454	8.94E-06	0.022946136	0.002868267	<i>HLA-DQB1</i>
Pancreas	T2DM_insulin	ENSG00000196126.6	-0.002234384	0.000261885	0.67252158	0.039897071	<i>HLA-DRB1</i>
Pancreas	T2DM_insulin	ENSG00000198502.5	-0.001668074	2.33E-10	6.00E-07	1.50E-07	<i>HLA-DRB5</i>
Pancreas	T2DM_insulin	ENSG00000204257.10	0.001397853	3.96E-05	0.101628028	0.009238912	<i>HLA-DMA</i>
Pancreas	T2DM_insulin	ENSG00000204301.5	-0.004134944	5.95E-07	0.001527405	0.000254568	<i>NOTCH4</i>
Pancreas	T2DM_insulin	ENSG00000204351.7	-0.001207895	0.000282985	0.726704803	0.040372489	<i>SKIV2L</i>
Pancreas	T2DM_insulin	ENSG00000204540.6	-0.001452301	0.000121025	0.310791311	0.023907024	<i>PSORSIC1</i>
Pancreas	T2DM_insulin	ENSG00000229391.3	0.002946787	6.42E-13	1.65E-09	1.65E-09	<i>HLA-DRB6</i>
Pancreas	T2DM_insulin	ENSG00000232629.4	0.002572591	1.00E-11	2.57E-08	1.29E-08	<i>HLA-DQB2</i>
Pancreas	T2DM_insulin	ENSG00000237541.3	0.003844496	7.89E-11	2.03E-07	6.76E-08	<i>HLA-DQA2</i>
Pancreas	T2DM_insulin	ENSG00000242142.1	0.002115708	0.000361985	0.929576397	0.048925074	<i>SERBP1P3</i>
Pancreas	T2DM_insulin	ENSG00000244731.3	-0.002553882	8.29E-07	0.002129232	0.000304176	<i>C4A</i>
Pancreas	T2DM_insulin	ENSG00000251417.1	-0.004902423	0.000215249	0.552759046	0.036850603	<i>AC145285.2</i>
Pancreas	T2DM_insulin	ENSG00000256166.1	0.002171843	0.000144356	0.370706364	0.026479026	<i>LINC02571</i>
SAT	CAD	ENSG00000001617.7	-0.014914327	4.34E-05	0.142389992	0.008919887	<i>SEMA3F</i>
SAT	CAD	ENSG00000004534.10	-0.002902733	0.000677034	1	0.04218552	<i>RBM6</i>
SAT	CAD	ENSG000000065060.12	0.006995635	9.14E-06	0.029987777	0.002726162	<i>UHRF1BP1</i>
SAT	CAD	ENSG000000075131.5	0.005562301	0.000157081	0.515384331	0.019088309	<i>TIPIN</i>
SAT	CAD	ENSG000000087301.4	-0.016454638	0.00020734	0.680281057	0.020954821	<i>TXNDC16</i>
SAT	CAD	ENSG000000089558.4	0.013376841	0.000788435	1	0.047033734	<i>KCNH4</i>
SAT	CAD	ENSG000000090621.9	-0.00773298	0.000681449	1	0.04218552	<i>PABPC4</i>
SAT	CAD	ENSG00000100997.14	0.013955451	0.000231866	0.760753758	0.021048695	<i>ABHD12</i>
SAT	CAD	ENSG00000101460.8	0.022103104	6.78E-06	0.022249197	0.00222492	<i>MAP1LC3A</i>
SAT	CAD	ENSG00000101464.6	0.010994185	0.000565164	1	0.03824271	<i>PIGU</i>
SAT	CAD	ENSG00000114023.11	-0.017403558	0.000402365	1	0.031256729	<i>FAM162A</i>
SAT	CAD	ENSG00000114200.5	-0.018353697	4.92E-05	0.161454525	0.008969696	<i>BCHE</i>
SAT	CAD	ENSG00000114491.9	0.018884389	8.90E-05	0.291846076	0.013897432	<i>UMPS</i>
SAT	CAD	ENSG00000114554.7	0.012270029	0.00020423	0.670078126	0.020954821	<i>PLXNA1</i>
SAT	CAD	ENSG00000115486.7	0.009294637	1.55E-05	0.050743625	0.004228635	<i>GGCX</i>
SAT	CAD	ENSG00000119718.6	0.006732357	0.000381178	1	0.030503554	<i>EIF2B2</i>
SAT	CAD	ENSG00000124562.5	-0.008912805	6.36E-06	0.020866114	0.00222492	<i>SNRPC</i>
SAT	CAD	ENSG00000125388.15	0.004754503	0.000250347	0.821390142	0.02161553	<i>GRK4</i>
SAT	CAD	ENSG00000137054.11	0.008524809	0.000571135	1	0.03824271	<i>POLR1E</i>
SAT	CAD	ENSG00000138380.13	-0.016772968	1.77E-08	5.80E-05	4.27E-05	<i>CARF</i>
SAT	CAD	ENSG00000142046.10	0.011222508	0.000135529	0.444671598	0.017786864	<i>TMEM91</i>
SAT	CAD	ENSG00000143156.9	-0.022260433	5.20E-06	0.01706289	0.002132861	<i>NME7</i>
SAT	CAD	ENSG00000144426.14	-0.01351482	2.60E-08	8.54E-05	4.27E-05	<i>NBEAL1</i>
SAT	CAD	ENSG00000145020.10	-0.004966618	7.19E-05	0.235760373	0.011788019	<i>AMT</i>
SAT	CAD	ENSG00000145029.7	-0.008317809	6.85E-05	0.224844047	0.011788019	<i>NICN1</i>
SAT	CAD	ENSG00000149084.7	-0.00333355	0.000441929	1	0.03262767	<i>HSD17B12</i>
SAT	CAD	ENSG00000154309.7	0.010093758	0.000156077	0.512090254	0.019088309	<i>DISP1</i>
SAT	CAD	ENSG00000163431.11	-0.017775956	3.13E-05	0.10267889	0.007334206	<i>LMOD1</i>
SAT	CAD	ENSG00000163596.12	0.016820313	5.13E-08	0.000168308	5.61E-05	<i>ICAIL</i>
SAT	CAD	ENSG00000164062.8	-0.013299691	1.24E-06	0.004059088	0.000612741	<i>APEH</i>
SAT	CAD	ENSG00000164068.11	0.005498232	0.000200503	0.657848997	0.020954821	<i>RNF123</i>
SAT	CAD	ENSG00000169047.5	-0.013339166	4.61E-07	0.001511199	0.0003778	<i>IRS1</i>
SAT	CAD	ENSG00000171700.9	-0.008638662	0.00083269	1	0.048227116	<i>RGS19</i>
SAT	CAD	ENSG00000175445.10	-0.018360414	6.64E-07	0.002179663	0.000435933	<i>LPL</i>
SAT	CAD	ENSG00000176390.10	0.020419685	2.63E-05	0.086284633	0.006637279	<i>CRLF3</i>
SAT	CAD	ENSG00000179344.12	-0.01097001	0.000717873	1	0.043617439	<i>HLA-DQB1</i>
SAT	CAD	ENSG00000181264.4	0.012284584	0.000237367	0.778801715	0.021048695	<i>TMEM136</i>
SAT	CAD	ENSG00000188895.7	-0.007207446	0.000211662	0.694463849	0.020954821	<i>MSL1</i>
SAT	CAD	ENSG00000196126.6	-0.012938248	0.000107129	0.351489317	0.015976787	<i>HLA-DRB1</i>
SAT	CAD	ENSG00000196821.5	0.012338823	1.31E-06	0.004289186	0.000612741	<i>C6orf106</i>
SAT	CAD	ENSG00000196981.2	0.017048612	0.000409643	1	0.031256729	<i>WDR5B</i>
SAT	CAD	ENSG00000198270.8	-0.00655744	0.000229202	0.752012305	0.021048695	<i>TMEM116</i>
SAT	CAD	ENSG00000204978.2	-0.011032456	0.000131868	0.432659806	0.017786864	<i>ERICH4</i>
SAT	CAD	ENSG00000213277.3	-0.014377053	0.000217148	0.712463915	0.020954821	<i>MARCKSLIP1</i>
SAT	CAD	ENSG00000213689.5	0.007458339	0.000447499	1	0.03262767	<i>TREX1</i>
SAT	CAD	ENSG00000215452.3	-0.019015412	0.000373803	1	0.030503554	<i>ZNF663P</i>

SAT	CAD	ENSG00000234745.5	0.007195022	0.000628031	1	0.041211391	<i>HLA-B</i>
SAT	CAD	ENSG00000240053.8	-0.004102003	0.000276921	0.908577375	0.023296856	<i>LY6G5B</i>
SAT	CAD	ENSG00000249685.1	-0.010908078	0.000680837	1	0.04218552	<i>AC079921.2</i>
SAT	CAD	ENSG00000256269.2	0.010880368	4.86E-05	0.159607608	0.008969696	<i>HMBS</i>
SAT	CAD	ENSG00000261143.1	-0.011498672	0.000113422	0.372137192	0.016179878	<i>ADAMTS7P3</i>
SAT	CAD	ENSG00000264538.2	0.005819344	0.000468781	1	0.033436304	<i>SUZ12P1</i>
SAT	CAD	ENSG00000269001.1	-0.012173553	0.000210845	0.691782112	0.020954821	<i>AC092070.2</i>
SAT	CAD	ENSG00000269051.1	-0.019831546	0.000166303	0.545640461	0.019487159	<i>CTD-2245F17.3</i>
SAT	CAD	ENSG00000269202.1	-0.010039596	0.000837838	1	0.048227116	<i>RP4-614O4.12</i>
SAT	CAD	ENSG00000270018.1	0.014401833	0.00057056	1	0.03824271	<i>RP3-462E2.5</i>
SAT	CAD	ENSG00000271751.1	-0.01841378	4.35E-05	0.142718184	0.008919887	<i>AP003392.5</i>
SAT	HTN	ENSG00000001617.7	-0.024807484	2.32E-07	0.000762656	1.39E-05	<i>SEMA3F</i>
SAT	HTN	ENSG00000003056.3	-0.014739928	0.000176805	0.580098302	0.003456013	<i>M6PR</i>
SAT	HTN	ENSG00000004534.10	-0.005147008	4.59E-06	0.015068898	0.000171237	<i>RBM6</i>
SAT	HTN	ENSG00000005243.5	0.017130026	5.93E-05	0.194693221	0.00144512	<i>COP22</i>
SAT	HTN	ENSG00000005955.8	-0.015993916	0.000310831	1	0.005367555	<i>GGNBP2</i>
SAT	HTN	ENSG00000007312.8	-0.020338963	0.001840666	1	0.021491901	<i>CD79B</i>
SAT	HTN	ENSG00000007341.14	-0.005384333	0.004302632	1	0.03921371	<i>ST7L</i>
SAT	HTN	ENSG00000009950.11	-0.019795331	0.004089028	1	0.038246556	<i>MLXIPL</i>
SAT	HTN	ENSG00000010704.14	-0.019434158	8.84E-08	0.000289943	6.24E-06	<i>HFE</i>
SAT	HTN	ENSG00000011523.9	0.014846041	6.17E-08	0.000202546	4.82E-06	<i>CEP68</i>
SAT	HTN	ENSG00000028528.10	0.013556379	0.000332287	1	0.005708036	<i>SNX1</i>
SAT	HTN	ENSG00000050405.9	0.01729877	2.13E-05	0.069729882	0.00059907	<i>LIMA1</i>
SAT	HTN	ENSG00000053900.6	0.020433676	0.000168909	0.554190658	0.003379211	<i>ANAPC4</i>
SAT	HTN	ENSG00000054282.11	0.020902609	2.36E-10	7.76E-07	4.31E-08	<i>SDCCAG8</i>
SAT	HTN	ENSG00000055955.11	0.006974504	0.000351619	1	0.005992944	<i>ITIH4</i>
SAT	HTN	ENSG00000060642.6	-0.035018103	5.86E-07	0.001922386	3.00E-05	<i>PIGV</i>
SAT	HTN	ENSG00000063854.8	0.011072799	0.001168013	1	0.015028434	<i>HAGH</i>
SAT	HTN	ENSG00000065060.12	0.010202878	8.64E-07	0.002835344	4.11E-05	<i>UHRF1BP1</i>
SAT	HTN	ENSG00000068654.11	-0.00695158	0.000111237	0.364968236	0.002449451	<i>POLR1A</i>
SAT	HTN	ENSG00000073584.14	0.017504155	0.004263959	1	0.039078347	<i>SMARCE1</i>
SAT	HTN	ENSG00000074201.4	0.011051395	1.35E-05	0.044179789	0.00042076	<i>CLNS1A</i>
SAT	HTN	ENSG00000076685.14	0.019702836	0.003443727	1	0.034032737	<i>NT5C2</i>
SAT	HTN	ENSG00000082258.8	-0.009289235	0.000391236	1	0.006386299	<i>CCNT2</i>
SAT	HTN	ENSG00000085365.13	0.015614852	0.004112945	1	0.038246556	<i>SCAMPI</i>
SAT	HTN	ENSG00000086015.16	0.018936077	0.001631621	1	0.019466719	<i>MAST2</i>
SAT	HTN	ENSG00000086300.11	-0.007541139	5.14E-07	0.00168652	2.70E-05	<i>SNX10</i>
SAT	HTN	ENSG00000087884.10	-0.011170542	2.18E-05	0.071409975	0.000605169	<i>AAMDC</i>
SAT	HTN	ENSG00000090238.7	0.005171115	9.66E-05	0.317032545	0.002156684	<i>YPEL3</i>
SAT	HTN	ENSG00000090621.9	-0.013787085	4.12E-06	0.013511715	0.000157113	<i>PABPC4</i>
SAT	HTN	ENSG00000091542.8	0.0103555	0.004286487	1	0.039175382	<i>ALKBH5</i>
SAT	HTN	ENSG00000092295.7	0.019476858	0.00018361	0.602423735	0.003543669	<i>TGMI</i>
SAT	HTN	ENSG00000095787.17	0.025812287	2.97E-05	0.09757334	0.000793279	<i>WAC</i>
SAT	HTN	ENSG00000100106.15	-0.008557261	0.004559994	1	0.041102587	<i>TRIOBP</i>
SAT	HTN	ENSG00000100116.12	0.019489469	0.002001029	1	0.022875879	<i>GCAT</i>
SAT	HTN	ENSG00000100731.11	0.00839406	0.000207901	0.682124273	0.003897853	<i>PCNX1</i>
SAT	HTN	ENSG00000101457.8	-0.009183202	0.000121637	0.399092352	0.002591509	<i>DNTTIP1</i>
SAT	HTN	ENSG00000101751.6	-0.006174257	0.000103137	0.338392889	0.002286438	<i>POLI</i>
SAT	HTN	ENSG00000102858.8	0.012397189	0.000443402	1	0.006994247	<i>MGRN1</i>
SAT	HTN	ENSG00000103196.7	0.016449588	0.003110398	1	0.031018888	<i>CRISPLD2</i>
SAT	HTN	ENSG00000103199.9	-0.010070139	0.004214692	1	0.038735026	<i>ZNF500</i>
SAT	HTN	ENSG00000103248.13	0.007616297	0.000658599	1	0.009733623	<i>MTHFSD</i>
SAT	HTN	ENSG00000103671.5	0.008899706	0.005345064	1	0.046890791	<i>TRIP4</i>
SAT	HTN	ENSG00000104231.6	0.012746069	0.001265245	1	0.015966416	<i>ZFAND1</i>
SAT	HTN	ENSG00000104313.13	0.02228157	3.71E-05	0.121745824	0.000958629	<i>EYA1</i>
SAT	HTN	ENSG00000105726.12	0.014669305	1.52E-05	0.049796373	0.000452694	<i>ATP13A1</i>
SAT	HTN	ENSG00000106290.10	-0.019868779	0.001332149	1	0.01661894	<i>TAF6</i>
SAT	HTN	ENSG00000107960.6	-0.038265366	8.93E-08	0.000293096	6.24E-06	<i>STN1</i>
SAT	HTN	ENSG00000108384.10	-0.007382621	7.46E-05	0.244875831	0.001749113	<i>RAD51C</i>
SAT	HTN	ENSG00000108639.3	-0.015906969	0.000735459	1	0.010401038	<i>SYNGR2</i>
SAT	HTN	ENSG00000108654.7	0.016303538	2.86E-05	0.093727567	0.000768259	<i>DDX5</i>
SAT	HTN	ENSG00000108669.12	0.022001384	0.00071618	1	0.010172239	<i>CYTH1</i>
SAT	HTN	ENSG00000110906.8	-0.010275041	0.000153937	0.505067116	0.003137063	<i>KCTD10</i>
SAT	HTN	ENSG00000111405.4	-0.017078327	0.002933994	1	0.029988892	<i>ENDOU</i>
SAT	HTN	ENSG00000111530.8	-0.017375747	5.19E-07	0.001701348	2.70E-05	<i>CAND1</i>
SAT	HTN	ENSG00000112877.6	0.015784859	0.000692031	1	0.010002438	<i>CEP72</i>
SAT	HTN	ENSG00000112992.12	-0.01288066	0.000865393	1	0.011830637	<i>NNT</i>
SAT	HTN	ENSG00000113971.14	0.003760604	0.003236465	1	0.032081096	<i>NPHP3</i>
SAT	HTN	ENSG00000114023.11	-0.02100736	0.001162652	1	0.015018354	<i>FAM162A</i>

SAT	HTN	ENSG00000114378.12	-0.008555099	0.002674694	1	0.02830862	<i>HYAL1</i>
SAT	HTN	ENSG00000115084.8	-0.011289618	0.002987563	1	0.030441598	<i>SLC35F5</i>
SAT	HTN	ENSG00000115310.13	-0.01993944	0.000460007	1	0.007221455	<i>RTN4</i>
SAT	HTN	ENSG00000115568.11	-0.018129071	0.000352597	1	0.005992944	<i>ZNF142</i>
SAT	HTN	ENSG00000116489.8	-0.02019948	0.001289556	1	0.016210854	<i>CAPZA1</i>
SAT	HTN	ENSG00000116667.8	-0.016009655	0.000514371	1	0.007849542	<i>Clorf21</i>
SAT	HTN	ENSG00000117450.9	0.01764863	0.003036641	1	0.030750676	<i>PRDX1</i>
SAT	HTN	ENSG00000117481.6	0.018029977	0.002583702	1	0.027562825	<i>NSUN4</i>
SAT	HTN	ENSG00000117595.6	-0.01273008	0.002740129	1	0.028620284	<i>IRF6</i>
SAT	HTN	ENSG00000117877.6	-0.01309101	0.005004977	1	0.04474477	<i>CD3EAP</i>
SAT	HTN	ENSG00000118197.9	-0.009470448	0.002716511	1	0.028583101	<i>DDX59</i>
SAT	HTN	ENSG00000119431.5	-0.00612326	0.003938416	1	0.037612315	<i>HDHD3</i>
SAT	HTN	ENSG00000119969.10	-0.015592957	0.003783257	1	0.036294928	<i>HELLS</i>
SAT	HTN	ENSG00000120784.11	0.008338249	0.000678145	1	0.009888855	<i>ZFP30</i>
SAT	HTN	ENSG00000121101.11	0.043148636	3.11E-10	1.02E-06	5.36E-08	<i>TEX14</i>
SAT	HTN	ENSG00000122565.14	-0.025967679	5.06E-07	0.001659673	2.70E-05	<i>CBX3</i>
SAT	HTN	ENSG00000123545.5	0.007496468	0.003991948	1	0.037745195	<i>NDUFAF4</i>
SAT	HTN	ENSG00000124116.14	-0.00468198	0.004034506	1	0.038037976	<i>WFDC3</i>
SAT	HTN	ENSG00000124191.13	-0.006279523	0.004109738	1	0.038246556	<i>TOX2</i>
SAT	HTN	ENSG00000124508.12	0.00733182	0.001588082	1	0.019086067	<i>BTN2A2</i>
SAT	HTN	ENSG00000124562.5	-0.013247474	3.36E-07	0.001103191	1.90E-05	<i>SNRPC</i>
SAT	HTN	ENSG00000124575.5	0.02963609	2.46E-07	0.000807695	1.44E-05	<i>HIST1H1D</i>
SAT	HTN	ENSG00000124613.4	-0.01066691	6.26E-06	0.020531879	0.000225625	<i>ZNF391</i>
SAT	HTN	ENSG00000125388.15	0.006013733	0.000428279	1	0.006861283	<i>GRK4</i>
SAT	HTN	ENSG00000125510.11	-0.02994034	4.24E-08	0.000139248	3.40E-06	<i>OPRL1</i>
SAT	HTN	ENSG00000126602.6	0.005782354	7.23E-07	0.002372278	3.54E-05	<i>TRAP1</i>
SAT	HTN	ENSG00000126858.12	0.017862973	0.00224868	1	0.024984592	<i>RHOT1</i>
SAT	HTN	ENSG00000127957.12	-0.019537565	1.15E-10	3.78E-07	2.52E-08	<i>PMS2P3</i>
SAT	HTN	ENSG00000128829.7	-0.007890021	0.003228932	1	0.032081096	<i>EIF2AK4</i>
SAT	HTN	ENSG00000130177.10	0.013574399	3.27E-05	0.107148525	0.000857188	<i>CDC16</i>
SAT	HTN	ENSG00000130270.12	-0.009510359	0.000757092	1	0.010570296	<i>ATP8B3</i>
SAT	HTN	ENSG00000130517.9	0.012631713	0.000380748	1	0.006246168	<i>PGPEP1</i>
SAT	HTN	ENSG00000131165.10	0.021520531	1.25E-06	0.00411423	5.64E-05	<i>CHMP1A</i>
SAT	HTN	ENSG00000131435.8	0.035843388	1.13E-07	0.000372185	7.44E-06	<i>PDLIM4</i>
SAT	HTN	ENSG00000133731.5	0.005739173	0.001472873	1	0.017964669	<i>IMPA1</i>
SAT	HTN	ENSG00000134245.13	-0.026372194	3.65E-08	0.000119802	3.00E-06	<i>WNT2B</i>
SAT	HTN	ENSG00000134574.7	0.046014888	9.78E-12	3.21E-08	4.06E-09	<i>DDDB2</i>
SAT	HTN	ENSG00000134575.5	0.049875442	1.20E-23	3.95E-20	3.95E-20	<i>ACP2</i>
SAT	HTN	ENSG00000134851.8	0.032996457	1.09E-07	0.000356799	7.28E-06	<i>TMEM165</i>
SAT	HTN	ENSG00000135213.8	-0.024181156	4.30E-05	0.141243528	0.001086489	<i>POM121C</i>
SAT	HTN	ENSG00000135744.7	0.00709269	0.000140616	0.461362661	0.002901652	<i>AGT</i>
SAT	HTN	ENSG00000135913.6	0.0152718	0.001210332	1	0.015512102	<i>USP37</i>
SAT	HTN	ENSG00000135968.15	0.01007401	0.002029302	1	0.023118539	<i>GCC2</i>
SAT	HTN	ENSG00000136425.8	-0.017274368	0.002879513	1	0.029709691	<i>CIB2</i>
SAT	HTN	ENSG00000136448.7	0.01569691	6.61E-10	2.17E-06	1.03E-07	<i>NMT1</i>
SAT	HTN	ENSG00000136856.13	0.015958228	0.002670231	1	0.02830862	<i>SLC2A8</i>
SAT	HTN	ENSG00000137411.12	0.003837201	0.001659484	1	0.019727414	<i>VARS2</i>
SAT	HTN	ENSG00000137944.12	-0.024818869	0.000375254	1	0.006218217	<i>KYAT3</i>
SAT	HTN	ENSG00000138036.14	0.017074857	0.000430384	1	0.006861283	<i>DYNC2LI1</i>
SAT	HTN	ENSG00000138175.8	0.021830686	6.94E-07	0.002277921	3.45E-05	<i>ARL3</i>
SAT	HTN	ENSG00000138757.10	0.01357862	0.000588811	1	0.008902714	<i>G3BP2</i>
SAT	HTN	ENSG00000138829.6	0.005623028	0.000234473	0.769307042	0.004297805	<i>FBN2</i>
SAT	HTN	ENSG00000139636.11	-0.017818402	0.002128361	1	0.023914906	<i>LMBR1L</i>
SAT	HTN	ENSG00000140995.12	0.017139297	3.94E-05	0.129387391	0.001010839	<i>DEF8</i>
SAT	HTN	ENSG00000141076.13	0.012755078	1.57E-05	0.051599633	0.000464862	<i>UTP4</i>
SAT	HTN	ENSG00000141252.15	-0.014600455	0.001533416	1	0.018496825	<i>VPS53</i>
SAT	HTN	ENSG00000141295.9	-0.009240579	0.000200769	0.658722824	0.003785763	<i>SCRN2</i>
SAT	HTN	ENSG00000141452.5	-0.020265966	1.21E-05	0.039726139	0.000389472	<i>RMCI</i>
SAT	HTN	ENSG00000141458.8	-0.029917483	2.00E-06	0.006566506	8.31E-05	<i>NPC1</i>
SAT	HTN	ENSG00000141569.6	-0.012597932	0.000273005	0.895729463	0.004841781	<i>TRIM65</i>
SAT	HTN	ENSG00000142599.13	0.024050745	8.68E-05	0.284727328	0.001977273	<i>RERE</i>
SAT	HTN	ENSG00000143028.7	0.016517894	0.002075517	1	0.023481967	<i>SYPL2</i>
SAT	HTN	ENSG00000143156.9	-0.021472419	0.000831341	1	0.011438059	<i>NME7</i>
SAT	HTN	ENSG00000143248.8	-0.029318875	2.60E-05	0.085173511	0.000709779	<i>RG55</i>
SAT	HTN	ENSG00000143437.16	-0.021651469	0.000260102	0.853395971	0.004663366	<i>ARNT</i>
SAT	HTN	ENSG00000143578.11	-0.017429857	2.48E-05	0.081454002	0.000684487	<i>CREB3L4</i>
SAT	HTN	ENSG00000143702.11	0.036177018	5.35E-11	1.75E-07	1.35E-08	<i>CEP170</i>
SAT	HTN	ENSG00000144677.10	-0.021452192	0.001260382	1	0.015966416	<i>CTDSPL</i>
SAT	HTN	ENSG00000145020.10	-0.005005522	0.002346305	1	0.02574658	<i>AMT</i>

SAT	HTN	ENSG00000145029.7	-0.008350179	0.002372058	1	0.025908223	<i>NICN1</i>
SAT	HTN	ENSG00000145241.6	-0.011346428	0.002718052	1	0.028583101	<i>CENPC</i>
SAT	HTN	ENSG00000145777.10	-0.016565096	0.003943504	1	0.037612315	<i>TSLP</i>
SAT	HTN	ENSG00000146109.3	0.014159077	0.000355467	1	0.005992944	<i>ABT1</i>
SAT	HTN	ENSG00000146409.6	-0.008041347	0.000181645	0.595977223	0.003526492	<i>SLC18B1</i>
SAT	HTN	ENSG00000146556.10	-0.028659177	8.81E-06	0.028895276	0.00029485	<i>WASH2P</i>
SAT	HTN	ENSG00000147419.12	0.021376594	0.000738842	1	0.010404043	<i>CCDC25</i>
SAT	HTN	ENSG00000147576.11	-0.011443136	0.002104467	1	0.023727681	<i>ADHFE1</i>
SAT	HTN	ENSG00000148572.10	-0.016156023	3.92E-06	0.012849777	0.000151174	<i>NRBF2</i>
SAT	HTN	ENSG00000148843.9	0.065862439	1.26E-22	4.15E-19	2.07E-19	<i>PDCD11</i>
SAT	HTN	ENSG00000149084.7	-0.007344846	3.93E-09	1.29E-05	3.91E-07	<i>HSD17B12</i>
SAT	HTN	ENSG00000149100.8	-0.016105416	0.002460824	1	0.02664675	<i>EIF3M</i>
SAT	HTN	ENSG00000149179.9	-0.021396553	0.001373858	1	0.017009923	<i>C11orf49</i>
SAT	HTN	ENSG00000149292.12	0.004367172	0.004193555	1	0.038649029	<i>TTC12</i>
SAT	HTN	ENSG00000152219.4	-0.023223475	6.73E-05	0.220729604	0.00159949	<i>ARL14EP</i>
SAT	HTN	ENSG00000152784.11	-0.023962548	0.000655241	1	0.009727808	<i>PRDM8</i>
SAT	HTN	ENSG00000153113.19	-0.010034355	0.00083015	1	0.011438059	<i>CAST</i>
SAT	HTN	ENSG00000153814.7	-0.019979767	0.000439639	1	0.006968382	<i>JAZF1</i>
SAT	HTN	ENSG00000154328.11	0.027568271	1.22E-08	4.01E-05	1.11E-06	<i>NEIL2</i>
SAT	HTN	ENSG00000155085.11	0.021928061	0.001020455	1	0.013555116	<i>AK9</i>
SAT	HTN	ENSG00000156170.8	-0.035360314	3.00E-09	9.86E-06	3.29E-07	<i>NDUFAF6</i>
SAT	HTN	ENSG00000156398.8	0.027612063	1.72E-05	0.056420231	0.000499294	<i>SFXN2</i>
SAT	HTN	ENSG00000156931.11	0.0130657	0.000230533	0.756377339	0.004271455	<i>VPS8</i>
SAT	HTN	ENSG00000157322.12	-0.011770512	6.69E-06	0.021947119	0.00023752	<i>CLEC18A</i>
SAT	HTN	ENSG00000158022.6	0.017171689	0.000306074	1	0.005313374	<i>TRIM63</i>
SAT	HTN	ENSG00000158805.7	0.026219664	1.40E-05	0.045854792	0.000424581	<i>ZNF276</i>
SAT	HTN	ENSG00000158865.8	-0.009705544	9.53E-07	0.003126124	4.40E-05	<i>SLC5A11</i>
SAT	HTN	ENSG00000159479.12	0.025756219	4.19E-06	0.013739612	0.000157927	<i>MED8</i>
SAT	HTN	ENSG00000160307.5	-0.009333964	6.18E-05	0.202733534	0.001490688	<i>SI00B</i>
SAT	HTN	ENSG00000160752.10	0.014916543	0.00083319	1	0.011438059	<i>FDPS</i>
SAT	HTN	ENSG00000160783.15	0.016581202	0.000872791	1	0.011882274	<i>PMF1</i>
SAT	HTN	ENSG00000161204.7	0.014174531	1.87E-06	0.006144561	7.88E-05	<i>ABCF3</i>
SAT	HTN	ENSG00000161955.12	0.0341933	1.89E-07	0.000620518	1.17E-05	<i>TNFSF13</i>
SAT	HTN	ENSG00000163431.11	-0.035958142	1.51E-10	4.94E-07	3.09E-08	<i>LMOD1</i>
SAT	HTN	ENSG00000163933.5	-0.019041041	0.00019412	0.636908695	0.003702958	<i>RFT1</i>
SAT	HTN	ENSG00000163946.9	0.016370992	3.90E-06	0.012802976	0.000151174	<i>FAM208A</i>
SAT	HTN	ENSG00000164002.7	-0.020508508	2.07E-05	0.06792365	0.00059064	<i>EXO5</i>
SAT	HTN	ENSG00000164039.10	-0.012298439	0.000813756	1	0.011313283	<i>BDH2</i>
SAT	HTN	ENSG00000164045.7	-0.027027816	9.25E-11	3.03E-07	2.17E-08	<i>CDC25A</i>
SAT	HTN	ENSG00000164048.9	-0.010697012	1.48E-11	4.87E-08	4.26E-09	<i>ZNF389</i>
SAT	HTN	ENSG00000164062.8	-0.021588457	2.15E-09	7.06E-06	2.61E-07	<i>APEH</i>
SAT	HTN	ENSG00000164068.11	0.01323864	9.89E-12	3.24E-08	4.06E-09	<i>RNF123</i>
SAT	HTN	ENSG00000164307.8	-0.01870953	7.43E-08	0.000243772	5.54E-06	<i>ERAP1</i>
SAT	HTN	ENSG00000164308.12	0.002789282	0.001715318	1	0.020244458	<i>ERAP2</i>
SAT	HTN	ENSG00000164587.7	-0.020826332	0.00178159	1	0.020951249	<i>RPS14</i>
SAT	HTN	ENSG00000164695.4	-0.009840065	0.004160365	1	0.038451149	<i>CHMP4C</i>
SAT	HTN	ENSG00000165118.10	0.015383147	0.005214413	1	0.045990563	<i>C9orf64</i>
SAT	HTN	ENSG00000165178.8	0.014658436	0.000356179	1	0.005992944	<i>NCF1C</i>
SAT	HTN	ENSG00000165244.6	0.02004047	0.002573919	1	0.027562825	<i>ZNF367</i>
SAT	HTN	ENSG00000165476.8	-0.028063805	8.14E-08	0.000266924	5.93E-06	<i>REEP3</i>
SAT	HTN	ENSG00000165490.8	-0.017179639	0.005192874	1	0.045990563	<i>DIAS</i>
SAT	HTN	ENSG00000166037.6	-0.014562603	0.000479032	1	0.007413692	<i>CEP57</i>
SAT	HTN	ENSG00000166166.8	-0.032075819	1.69E-06	0.005533314	7.28E-05	<i>TRMT61A</i>
SAT	HTN	ENSG00000166435.11	-0.007240882	0.000613976	1	0.009156612	<i>XRR1</i>
SAT	HTN	ENSG00000166436.11	-0.004816631	3.70E-05	0.121314054	0.000958629	<i>TRIM66</i>
SAT	HTN	ENSG00000166532.11	-0.009565353	2.07E-07	0.000680659	1.26E-05	<i>RIMKLB</i>
SAT	HTN	ENSG00000167395.10	0.023948191	0.000705601	1	0.010065557	<i>ZNF646</i>
SAT	HTN	ENSG00000167397.10	-0.015379958	0.004122972	1	0.038246556	<i>VKORC1</i>
SAT	HTN	ENSG00000167528.8	0.007146692	0.002747757	1	0.028620284	<i>ZNF641</i>
SAT	HTN	ENSG00000167633.12	0.026572972	0.000117861	0.386701291	0.002541593	<i>KIR3DL1</i>
SAT	HTN	ENSG00000167720.8	0.005765793	0.000137543	0.451278273	0.002874384	<i>SRR</i>
SAT	HTN	ENSG00000167910.3	0.023420332	0.000405099	1	0.006579844	<i>CYP7A1</i>
SAT	HTN	ENSG00000168004.5	0.012316632	0.000672415	1	0.009888855	<i>HRASLS5</i>
SAT	HTN	ENSG00000168297.11	-0.017040097	0.001481541	1	0.018003465	<i>PXK</i>
SAT	HTN	ENSG00000168394.9	-0.022648497	0.001303358	1	0.016321822	<i>TAP1</i>
SAT	HTN	ENSG00000168884.10	-0.008611148	0.003753398	1	0.036114073	<i>TNIP2</i>
SAT	HTN	ENSG00000168936.6	0.010459365	0.003586327	1	0.034916139	<i>TMEM129</i>
SAT	HTN	ENSG00000169047.5	-0.020529201	3.62E-09	1.19E-05	3.71E-07	<i>IRS1</i>
SAT	HTN	ENSG00000169085.7	0.005271875	0.001025006	1	0.013560658	<i>C8orf46</i>

SAT	HTN	ENSG00000169203.12	0.011350823	8.01E-06	0.026275265	0.000270879	<i>NPIPB12</i>
SAT	HTN	ENSG00000169592.10	-0.026521867	1.93E-09	6.34E-06	2.44E-07	<i>INO80E</i>
SAT	HTN	ENSG00000169629.7	-0.004621513	0.004126571	1	0.038246556	<i>RGPD8</i>
SAT	HTN	ENSG00000170049.5	-0.015142335	0.002913064	1	0.029868009	<i>KCNAB3</i>
SAT	HTN	ENSG00000170092.10	0.021829981	5.01E-06	0.016427828	0.000184582	<i>SPDYE5</i>
SAT	HTN	ENSG00000170633.12	-0.017223895	0.000238191	0.781506154	0.004324204	<i>RNF34</i>
SAT	HTN	ENSG00000170955.9	0.017401192	6.85E-05	0.224667317	0.001616312	<i>CAVIN3</i>
SAT	HTN	ENSG00000171421.8	0.020973484	0.00229029	1	0.025285255	<i>MRPL36</i>
SAT	HTN	ENSG00000171700.9	-0.025925678	2.42E-14	7.93E-11	1.59E-11	<i>RGS19</i>
SAT	HTN	ENSG00000172113.4	0.017895771	6.56E-10	2.15E-06	1.03E-07	<i>NME6</i>
SAT	HTN	ENSG00000172543.3	-0.006619759	3.98E-05	0.130667177	0.001012924	<i>CTSW</i>
SAT	HTN	ENSG00000172687.9	0.005910499	0.00140222	1	0.017295805	<i>ZNF738</i>
SAT	HTN	ENSG00000172789.3	0.022007529	0.001240866	1	0.015841562	<i>HOXC5</i>
SAT	HTN	ENSG00000172803.13	0.012325866	0.003555868	1	0.034884913	<i>SNX32</i>
SAT	HTN	ENSG00000172927.3	-0.015863964	0.002497317	1	0.02695295	<i>MYEOV</i>
SAT	HTN	ENSG00000172992.7	-0.008160097	0.000363908	1	0.00606082	<i>DCAKD</i>
SAT	HTN	ENSG00000173209.18	0.014178184	0.003104806	1	0.031018888	<i>AHSA2P</i>
SAT	HTN	ENSG00000173511.5	-0.023188227	3.43E-09	1.13E-05	3.63E-07	<i>VEGFB</i>
SAT	HTN	ENSG00000173531.11	-0.016049984	5.63E-06	0.018465918	0.000205177	<i>MST1</i>
SAT	HTN	ENSG00000174004.5	0.01538305	0.001962003	1	0.022508152	<i>NRROS</i>
SAT	HTN	ENSG00000174177.8	-0.021735611	0.001626021	1	0.019466719	<i>CTU2</i>
SAT	HTN	ENSG00000174226.4	-0.026898885	3.09E-05	0.101494624	0.000818505	<i>SNX31</i>
SAT	HTN	ENSG00000174891.8	-0.014770184	1.64E-07	0.000536765	1.05E-05	<i>RSRC1</i>
SAT	HTN	ENSG00000175220.7	0.017823545	0.000164781	0.540647676	0.003316857	<i>ARHGAP1</i>
SAT	HTN	ENSG00000175470.14	-0.020183374	1.38E-05	0.045320046	0.000424581	<i>PPP2R2D</i>
SAT	HTN	ENSG00000175489.9	0.009706795	0.003598985	1	0.034935714	<i>LRRC25</i>
SAT	HTN	ENSG00000176390.10	0.02384795	0.000189309	0.621122077	0.003632293	<i>CRLF3</i>
SAT	HTN	ENSG00000177000.6	-0.054733576	3.61E-17	1.19E-13	2.96E-14	<i>MTHFR</i>
SAT	HTN	ENSG00000177311.6	0.019993197	0.000513412	1	0.007849542	<i>ZBTB38</i>
SAT	HTN	ENSG00000177380.9	-0.0224685	0.000462845	1	0.007231403	<i>PPFIA3</i>
SAT	HTN	ENSG00000177697.13	0.016306428	0.002783765	1	0.028903582	<i>CDI51</i>
SAT	HTN	ENSG00000177700.5	-0.018387129	0.003093071	1	0.031018888	<i>POLR2L</i>
SAT	HTN	ENSG00000177839.4	0.014932216	0.001264891	1	0.015966416	<i>PCDHB9</i>
SAT	HTN	ENSG00000178188.10	-0.013420104	0.000176921	0.580476384	0.003456013	<i>SH2B1</i>
SAT	HTN	ENSG00000178467.13	-0.02079782	0.002296558	1	0.025285255	<i>P4HTM</i>
SAT	HTN	ENSG00000178718.5	0.024682693	1.13E-09	3.70E-06	1.61E-07	<i>RPP25</i>
SAT	HTN	ENSG00000178809.7	-0.021274473	0.000537223	1	0.008160325	<i>TRIM73</i>
SAT	HTN	ENSG00000178922.12	-0.01499149	2.88E-07	0.000945875	1.66E-05	<i>HYI</i>
SAT	HTN	ENSG00000178971.9	0.010507473	0.000246469	0.808663707	0.004443207	<i>CTC1</i>
SAT	HTN	ENSG00000179344.12	-0.016070382	0.000164488	0.539685229	0.003316857	<i>HLA-DQB1</i>
SAT	HTN	ENSG00000180855.11	0.019999396	0.000123794	0.406169372	0.002620448	<i>ZNF443</i>
SAT	HTN	ENSG00000181264.4	0.012226639	0.0054076	1	0.047187059	<i>TMEM136</i>
SAT	HTN	ENSG00000181885.14	-0.03958862	7.02E-10	2.30E-06	1.05E-07	<i>CLDN7</i>
SAT	HTN	ENSG00000182372.6	0.029784317	9.66E-08	0.000316808	6.60E-06	<i>CLN8</i>
SAT	HTN	ENSG00000182871.10	0.011729945	0.001074327	1	0.014135831	<i>COL18A1</i>
SAT	HTN	ENSG00000182952.4	-0.015669785	0.005533911	1	0.048161172	<i>HMGN4</i>
SAT	HTN	ENSG00000182986.8	0.004510993	0.000287044	0.941792466	0.005042819	<i>ZNF320</i>
SAT	HTN	ENSG00000183604.10	-0.013306778	0.000993369	1	0.013317142	<i>SMGIP5</i>
SAT	HTN	ENSG00000183762.8	-0.008000163	0.000231734	0.760318969	0.004271455	<i>KREMEN1</i>
SAT	HTN	ENSG00000184110.10	0.017917153	7.72E-07	0.002533553	3.73E-05	<i>EIF3C</i>
SAT	HTN	ENSG00000184385.2	-0.009893168	0.000410729	1	0.006638432	<i>UMODL1-AS1</i>
SAT	HTN	ENSG00000184389.8	-0.014920594	1.46E-05	0.047845516	0.00043895	<i>A3GALT2</i>
SAT	HTN	ENSG00000184574.5	-0.017624658	0.000909162	1	0.012275554	<i>LPAR5</i>
SAT	HTN	ENSG00000185163.5	0.009054634	0.000690539	1	0.010002438	<i>DDX51</i>
SAT	HTN	ENSG00000185324.17	-0.009420756	1.75E-06	0.005725493	7.44E-05	<i>CDK10</i>
SAT	HTN	ENSG00000185339.4	-0.007796667	0.001854711	1	0.021512983	<i>TCN2</i>
SAT	HTN	ENSG00000185697.12	-0.023876748	0.000116598	0.382558322	0.002533499	<i>MYBL1</i>
SAT	HTN	ENSG00000185829.11	-0.015682572	4.55E-05	0.149363226	0.001140177	<i>ARL17A</i>
SAT	HTN	ENSG00000186792.11	-0.00655477	0.003561855	1	0.034884913	<i>HYAL3</i>
SAT	HTN	ENSG00000187583.6	0.020759679	0.0007454	1	0.010451523	<i>PLEKHNI</i>
SAT	HTN	ENSG00000187778.9	0.030621565	3.08E-08	0.000100932	2.73E-06	<i>MCRS1</i>
SAT	HTN	ENSG00000188227.8	-0.008272936	0.000600354	1	0.009035599	<i>ZNF793</i>
SAT	HTN	ENSG00000188321.9	-0.003654022	0.002056436	1	0.023346597	<i>ZNF559</i>
SAT	HTN	ENSG00000188383.7	-0.016134427	0.001103189	1	0.014363347	<i>GPAT2P2</i>
SAT	HTN	ENSG00000188629.7	-0.006646052	0.001855585	1	0.021512983	<i>ZNF177</i>
SAT	HTN	ENSG00000188878.12	-0.011544587	3.98E-07	0.001304227	2.21E-05	<i>FBF1</i>
SAT	HTN	ENSG00000188976.6	-0.00693408	0.001339594	1	0.016648515	<i>NOC2L</i>
SAT	HTN	ENSG00000196126.6	-0.029766249	1.23E-11	4.02E-08	4.13E-09	<i>HLA-DRB1</i>
SAT	HTN	ENSG00000196301.3	0.007103992	0.005037356	1	0.044790151	<i>HLA-DRB9</i>

SAT	HTN	ENSG00000196502.7	-0.017745899	0.000174017	0.570949859	0.003456013	<i>SULT1A1</i>
SAT	HTN	ENSG00000196735.7	-0.034111465	1.16E-06	0.00379328	5.27E-05	<i>HLA-DQA1</i>
SAT	HTN	ENSG00000196821.5	0.016123325	1.53E-06	0.005005853	6.74E-05	<i>C6orf106</i>
SAT	HTN	ENSG00000196961.8	-0.013616815	0.004321038	1	0.039272368	<i>AP2A1</i>
SAT	HTN	ENSG00000196966.3	0.024193392	9.09E-09	2.98E-05	8.77E-07	<i>HIST1H3E</i>
SAT	HTN	ENSG00000196968.6	-0.021162718	0.000221012	0.725140252	0.004120115	<i>FUT11</i>
SAT	HTN	ENSG00000196981.2	0.021071648	0.0008963	1	0.0121519	<i>WDR5B</i>
SAT	HTN	ENSG00000197020.6	-0.008757984	1.21E-05	0.039643518	0.000389472	<i>ZNF100</i>
SAT	HTN	ENSG00000197062.7	0.008453911	8.55E-05	0.280504268	0.001961568	<i>ZSCAN26</i>
SAT	HTN	ENSG00000197165.6	0.010905995	2.03E-05	0.066513432	0.000583451	<i>SULT1A2</i>
SAT	HTN	ENSG00000197279.3	0.016823441	0.001115149	1	0.014461671	<i>ZNF165</i>
SAT	HTN	ENSG00000197375.8	0.023487983	1.19E-08	3.92E-05	1.11E-06	<i>SLC22A5</i>
SAT	HTN	ENSG00000197728.5	-0.006620509	3.74E-06	0.012276959	0.000147915	<i>RPS26</i>
SAT	HTN	ENSG00000198208.7	0.020535531	0.002376829	1	0.025908223	<i>RPS6KLI</i>
SAT	HTN	ENSG00000198270.8	-0.015780256	1.56E-11	5.12E-08	4.26E-09	<i>TMEM116</i>
SAT	HTN	ENSG00000198502.5	-0.003659823	0.003983574	1	0.037745195	<i>HLA-DRB5</i>
SAT	HTN	ENSG00000198646.9	-0.01761218	0.003575318	1	0.034912551	<i>NCOA6</i>
SAT	HTN	ENSG00000198805.7	-0.005449415	0.002587428	1	0.027562825	<i>PNP</i>
SAT	HTN	ENSG00000198837.5	-0.037544881	6.82E-08	0.00022369	5.20E-06	<i>DENDN4B</i>
SAT	HTN	ENSG00000203301.2	-0.019041413	0.00037766	1	0.006226646	<i>AC016629.7</i>
SAT	HTN	ENSG00000204228.3	-0.021271174	7.73E-06	0.025374686	0.00026432	<i>HSD17B8</i>
SAT	HTN	ENSG00000204252.8	-0.013599848	0.00225402	1	0.024984592	<i>HLA-DOA</i>
SAT	HTN	ENSG00000204287.9	0.012718833	0.001457718	1	0.017846168	<i>HLA-DRA</i>
SAT	HTN	ENSG00000204314.6	0.016863538	5.95E-05	0.195091227	0.00144512	<i>PRRT1</i>
SAT	HTN	ENSG00000204316.8	0.017286905	0.001522069	1	0.018427702	<i>MRPL38</i>
SAT	HTN	ENSG00000204338.4	0.017905594	2.71E-13	8.89E-10	1.48E-10	<i>CYP21A1P</i>
SAT	HTN	ENSG00000204344.10	0.013825065	3.68E-06	0.012087072	0.000147915	<i>STK19</i>
SAT	HTN	ENSG00000204387.8	0.015124365	1.39E-05	0.045575125	0.000424581	<i>C6orf48</i>
SAT	HTN	ENSG00000204438.6	0.017547788	8.98E-06	0.029476461	0.000297742	<i>GPANK1</i>
SAT	HTN	ENSG00000204463.8	0.013225931	5.00E-07	0.001642009	2.70E-05	<i>BAG6</i>
SAT	HTN	ENSG00000204498.6	0.015885636	0.003955499	1	0.037617366	<i>NFKBIL1</i>
SAT	HTN	ENSG00000204516.5	-0.004220115	0.003611368	1	0.034952502	<i>MICB</i>
SAT	HTN	ENSG00000204525.10	-0.008289897	0.00011852	0.388863731	0.002541593	<i>HLA-C</i>
SAT	HTN	ENSG00000204531.11	-0.004422021	0.003484969	1	0.034336891	<i>POU5F1</i>
SAT	HTN	ENSG00000204536.9	-0.005433354	9.43E-05	0.309520877	0.002120006	<i>CCHCR1</i>
SAT	HTN	ENSG00000204538.3	0.004349338	0.002855377	1	0.029553602	<i>PSORSIC2</i>
SAT	HTN	ENSG00000204789.3	0.013488569	2.14E-05	0.070091139	0.00059907	<i>ZNF204P</i>
SAT	HTN	ENSG00000205583.9	-0.013559241	2.74E-09	9.00E-06	3.10E-07	<i>STAG3L1</i>
SAT	HTN	ENSG00000206077.6	0.017017922	0.003060911	1	0.030806289	<i>ZDHHC11B</i>
SAT	HTN	ENSG00000213240.7	0.012286305	0.001788353	1	0.02095566	<i>AC239799.1</i>
SAT	HTN	ENSG00000213246.2	0.023567927	0.000139195	0.456698292	0.002890496	<i>SUPT4H1</i>
SAT	HTN	ENSG00000213277.3	-0.046422274	1.08E-19	3.55E-16	1.18E-16	<i>MARCKSLIP1</i>
SAT	HTN	ENSG00000213347.6	-0.011554509	0.001430893	1	0.017583368	<i>MXD3</i>
SAT	HTN	ENSG00000213445.4	0.029374896	2.59E-09	8.48E-06	3.03E-07	<i>SIPA1</i>
SAT	HTN	ENSG00000213676.6	0.014325418	2.14E-10	7.02E-07	4.13E-08	<i>ATF6B</i>
SAT	HTN	ENSG00000213719.4	0.03450947	8.97E-07	0.002943144	4.20E-05	<i>CLIC1</i>
SAT	HTN	ENSG00000213903.4	-0.013605947	9.43E-06	0.030945479	0.000309455	<i>LTB4R</i>
SAT	HTN	ENSG00000214331.4	-0.014394781	0.003682197	1	0.0355332	<i>AC009053.1</i>
SAT	HTN	ENSG00000214517.4	-0.009128424	0.002745748	1	0.028620284	<i>PPME1</i>
SAT	HTN	ENSG00000216901.1	-0.005585302	0.001705401	1	0.020200079	<i>ZNF603P</i>
SAT	HTN	ENSG00000218422.2	0.009328655	0.000478679	1	0.007413692	<i>ZNF6773.1</i>
SAT	HTN	ENSG00000219392.1	0.0059912	0.001005006	1	0.013404161	<i>AC0602P</i>
SAT	HTN	ENSG00000221838.5	-0.004567622	0.004626057	1	0.041470202	<i>AP4M1</i>
SAT	HTN	ENSG00000223496.1	-0.021007821	1.71E-05	0.056245064	0.000499294	<i>EXOSC6</i>
SAT	HTN	ENSG00000223718.2	0.017524931	0.004510715	1	0.04088303	<i>AC093107.1</i>
SAT	HTN	ENSG00000223865.6	0.013231426	0.004095558	1	0.038246556	<i>HLA-DPB1</i>
SAT	HTN	ENSG00000224389.4	-0.009192835	0.005406326	1	0.047187059	<i>C4B</i>
SAT	HTN	ENSG00000224997.1	-0.011065456	5.36E-05	0.175845098	0.001322144	<i>AL049840.1</i>
SAT	HTN	ENSG00000225398.2	0.013902912	7.55E-05	0.247875505	0.001757982	<i>PGM5P4</i>
SAT	HTN	ENSG00000225851.1	0.009289214	0.000199888	0.655831409	0.003785763	<i>HLA-S</i>
SAT	HTN	ENSG00000226232.4	-0.007260485	0.000611559	1	0.009156612	<i>NPIPB14P</i>
SAT	HTN	ENSG00000228638.1	0.014202746	3.07E-06	0.010069227	0.000125865	<i>FCFIP2</i>
SAT	HTN	ENSG00000229391.3	0.007067154	6.73E-06	0.022089323	0.00023752	<i>HLA-DRB6</i>
SAT	HTN	ENSG00000229759.1	-0.014031474	1.26E-11	4.13E-08	4.13E-09	<i>MRPS18API</i>
SAT	HTN	ENSG00000231130.1	0.007061879	0.002567345	1	0.027562825	<i>HLA-T</i>
SAT	HTN	ENSG00000232561.2	-0.015222592	0.002173547	1	0.024339272	<i>GTF2IP1</i>
SAT	HTN	ENSG00000233137.2	0.021832233	0.001896746	1	0.021835869	<i>RP11-220I1.2</i>
SAT	HTN	ENSG00000234745.5	0.007851069	0.004553237	1	0.041102587	<i>HLA-B</i>
SAT	HTN	ENSG00000236397.2	0.010279764	7.44E-06	0.024397387	0.000259547	<i>DDX11L2</i>

SAT	HTN	ENSG00000237541.3	0.018458447	1.40E-09	4.58E-06	1.91E-07	<i>HLA-DQA2</i>
SAT	HTN	ENSG00000238024.1	-0.023617303	0.000360315	1	0.006031593	<i>DDX39BP2</i>
SAT	HTN	ENSG00000239557.1	0.027012244	0.000116198	0.381246393	0.002533499	<i>AC092045.1</i>
SAT	HTN	ENSG00000240399.1	-0.024940993	7.96E-05	0.26123192	0.001839661	<i>AC004801.2</i>
SAT	HTN	ENSG00000241170.2	0.011693721	0.002193198	1	0.024475797	<i>AP001992.1</i>
SAT	HTN	ENSG00000242852.2	-0.016191767	0.004622062	1	0.041470202	<i>ZNF709</i>
SAT	HTN	ENSG00000243697.1	-0.022967201	0.001077098	1	0.014135831	<i>AC009108.1</i>
SAT	HTN	ENSG00000243708.4	0.009348932	0.000176961	0.580610174	0.003456013	<i>PLA2G4B</i>
SAT	HTN	ENSG00000243789.6	0.012633256	0.000700986	1	0.010051318	<i>JMJD7</i>
SAT	HTN	ENSG00000248290.1	-0.006836202	9.18E-05	0.301103658	0.002076577	<i>TNXA</i>
SAT	HTN	ENSG00000249740.1	0.018136994	0.003059673	1	0.030806289	<i>OSMR-AS1</i>
SAT	HTN	ENSG00000251417.1	-0.00840449	0.00023855	0.782681008	0.004324204	<i>AC145285.2</i>
SAT	HTN	ENSG00000251600.1	-0.013523193	0.002910283	1	0.029868009	<i>AC139713.2</i>
SAT	HTN	ENSG00000253203.2	-0.013062731	0.001099845	1	0.014363347	<i>GUSBP3</i>
SAT	HTN	ENSG00000253320.1	0.01343896	0.000287415	0.94300722	0.005042819	<i>AZINI-AS1</i>
SAT	HTN	ENSG00000253669.3	0.025021809	3.19E-08	0.000104774	2.76E-06	<i>GASAL1</i>
SAT	HTN	ENSG00000254851.1	0.009844265	1.82E-07	0.000595882	1.15E-05	<i>AP005018.2</i>
SAT	HTN	ENSG00000256223.1	-0.01787378	3.71E-06	0.012170015	0.000147915	<i>HMF10</i>
SAT	HTN	ENSG00000256269.2	0.015354346	1.31E-05	0.042886861	0.000412374	<i>NMBS</i>
SAT	HTN	ENSG00000256885.1	-0.008705916	0.000510649	1	0.007849542	<i>AP001877.1</i>
SAT	HTN	ENSG00000259295.2	0.015070359	0.000994422	1	0.013317142	<i>CSPG4P12</i>
SAT	HTN	ENSG00000259982.1	0.012094485	2.66E-05	0.08741895	0.000722471	<i>CDC37P1</i>
SAT	HTN	ENSG00000260075.1	0.011215463	0.005020255	1	0.044759395	<i>NSFP1</i>
SAT	HTN	ENSG00000260077.1	-0.013193675	0.001882049	1	0.021742973	<i>AC104794.2</i>
SAT	HTN	ENSG00000260877.1	-0.021261262	1.54E-06	0.005052231	6.74E-05	<i>AP005233.2</i>
SAT	HTN	ENSG00000261556.4	-0.016804034	4.70E-05	0.154203486	0.001168208	<i>SMG1P7</i>
SAT	HTN	ENSG00000264538.2	0.008731292	6.58E-05	0.215979923	0.001576496	<i>SUZ12P1</i>
SAT	HTN	ENSG00000266497.1	0.015351347	0.005288804	1	0.046521623	<i>AC138645.1</i>
SAT	HTN	ENSG00000267592.1	0.017566646	0.005213198	1	0.045990563	<i>AC004134.1</i>
SAT	HTN	ENSG00000268117.1	-0.010862721	0.000305074	1	0.005313374	<i>VN1R84P</i>
SAT	HTN	ENSG00000268225.1	0.012451298	0.000430791	1	0.006861283	<i>AC010487.1</i>
SAT	HTN	ENSG00000268535.1	-0.018548597	0.000676799	1	0.009888855	<i>MTDHP4</i>
SAT	HTN	ENSG00000268555.1	-0.014558166	0.000133753	0.438845221	0.00281311	<i>AC123912.4</i>
SAT	HTN	ENSG00000269963.1	-0.026582412	6.21E-07	0.002038256	3.14E-05	<i>RP11-73M18.9</i>
SAT	HTN	ENSG00000269990.1	0.017636247	0.003017685	1	0.030653324	<i>CTD-307407.12</i>
SAT	HTN	ENSG00000270018.1	0.030337963	3.42E-08	0.000112048	2.87E-06	<i>RP3-462E2.5</i>
SAT	HTN	ENSG00000270020.1	-0.008365682	0.000153692	0.504261913	0.003137063	<i>AC009108.3</i>
SAT	HTN	ENSG00000270091.1	-0.016477648	0.00070154	1	0.010051318	<i>AC015726.1</i>
SAT	HTN	ENSG00000271581.1	0.011444862	1.73E-09	5.69E-06	2.28E-07	<i>AL671883.2</i>
SAT	HTN	ENSG00000271584.1	0.009251914	0.002413976	1	0.026226011	<i>LINC02550</i>
SAT	HTN	ENSG00000271623.1	-0.023645049	7.71E-06	0.025296589	0.00026432	<i>AC138894.3</i>
SAT	HTN	ENSG00000271751.1	-0.025823568	1.30E-05	0.042770139	0.000412374	<i>AP003392.5</i>
SAT	HTN	ENSG00000273117.1	0.014633746	0.000267635	0.878111977	0.004772348	<i>AC144652.1</i>
SAT	Heart_Failure	ENSG00000001617.7	-0.013165739	1.07E-06	0.003499867	0.00033376	<i>SEMA3F</i>
SAT	Heart_Failure	ENSG00000004534.10	-0.003312956	1.57E-07	0.00051658	8.61E-05	<i>RBM6</i>
SAT	Heart_Failure	ENSG00000008838.13	-0.01072357	0.00017378	0.570172749	0.020363312	<i>MED24</i>
SAT	Heart_Failure	ENSG000000083720.8	-0.014547172	7.66E-05	0.25139191	0.010930083	<i>OXCT1</i>
SAT	Heart_Failure	ENSG000000090621.9	-0.006641886	8.01E-05	0.262905088	0.010954379	<i>PABPC4</i>
SAT	Heart_Failure	ENSG00000114735.5	0.011306629	0.000266844	0.875515629	0.026530777	<i>HEMK1</i>
SAT	Heart_Failure	ENSG00000116883.8	-0.006546032	3.93E-05	0.128827068	0.007148788	<i>AL591845.1</i>
SAT	Heart_Failure	ENSG00000127957.12	-0.007254619	2.09E-05	0.068710229	0.004294389	<i>PMS2P3</i>
SAT	Heart_Failure	ENSG00000131165.10	0.008827146	0.000409021	1	0.035877038	<i>CHMPIA</i>
SAT	Heart_Failure	ENSG00000131435.8	0.01736704	4.92E-06	0.016128455	0.001344038	<i>PDLIM4</i>
SAT	Heart_Failure	ENSG00000132563.11	-0.007343965	5.80E-05	0.190393225	0.008816786	<i>REEP2</i>
SAT	Heart_Failure	ENSG00000135213.8	-0.016243332	1.04E-06	0.00339952	0.00033376	<i>POM121C</i>
SAT	Heart_Failure	ENSG00000136448.7	0.004851054	0.000692594	1	0.04834895	<i>NMT1</i>
SAT	Heart_Failure	ENSG00000143631.10	-0.005378641	0.000613675	1	0.043771056	<i>FLG</i>
SAT	Heart_Failure	ENSG00000145692.10	-0.005943553	0.000521945	1	0.039828739	<i>BHMT</i>
SAT	Heart_Failure	ENSG00000145777.10	0.014519271	7.07E-06	0.023189168	0.001656369	<i>TSLP</i>
SAT	Heart_Failure	ENSG00000156170.8	-0.012336106	0.000234606	0.769742536	0.024830404	<i>NDUFAF6</i>
SAT	Heart_Failure	ENSG00000164068.11	0.004952211	5.97E-06	0.019603515	0.001507963	<i>RNF123</i>
SAT	Heart_Failure	ENSG00000170092.10	0.009478355	0.000426457	1	0.035877038	<i>SPDYE5</i>
SAT	Heart_Failure	ENSG00000172057.5	-0.019810863	8.53E-12	2.80E-08	9.33E-09	<i>ORMDL3</i>
SAT	Heart_Failure	ENSG00000172992.7	-0.005171371	5.91E-05	0.193969285	0.008816786	<i>DCAKD</i>
SAT	Heart_Failure	ENSG00000173540.8	0.013981515	0.00026052	0.854765929	0.026530777	<i>GMPPB</i>
SAT	Heart_Failure	ENSG00000173905.4	0.011266364	0.000305595	1	0.029489891	<i>GOLIM4</i>
SAT	Heart_Failure	ENSG00000174004.5	-0.009773859	0.00047082	1	0.037677096	<i>NRROS</i>
SAT	Heart_Failure	ENSG00000176715.11	-0.008846665	0.000214826	0.704844774	0.023494826	<i>ACSF3</i>
SAT	Heart_Failure	ENSG00000179344.12	-0.018029759	5.67E-14	1.86E-10	1.86E-10	<i>HLA-DQB1</i>

SAT	Heart_Failure	ENSG00000182134.11	-0.010517218	0.000534125	1	0.039828739	<i>TDRKH</i>
SAT	Heart_Failure	ENSG00000183604.10	-0.007962719	0.00046115	1	0.037677096	<i>SMGIP5</i>
SAT	Heart_Failure	ENSG00000185499.12	0.011768491	4.14E-05	0.135826963	0.007148788	<i>MUC1</i>
SAT	Heart_Failure	ENSG00000187778.9	0.012518286	5.72E-05	0.187775973	0.008816786	<i>MCRS1</i>
SAT	Heart_Failure	ENSG00000188895.7	-0.005514272	0.000127393	0.417977451	0.016076056	<i>MSL1</i>
SAT	Heart_Failure	ENSG00000196126.6	-0.009638888	9.57E-05	0.314027374	0.012561095	<i>HLA-DRB1</i>
SAT	Heart_Failure	ENSG00000196301.3	0.005336732	0.000180029	0.590675023	0.020368104	<i>HLA-DRB9</i>
SAT	Heart_Failure	ENSG00000196735.7	-0.022165725	1.94E-08	6.35E-05	1.59E-05	<i>HLA-DQA1</i>
SAT	Heart_Failure	ENSG00000197375.8	0.012316326	1.07E-07	0.000352211	7.04E-05	<i>SLC22A5</i>
SAT	Heart_Failure	ENSG00000197728.5	0.003044069	0.000156482	0.513418764	0.01901551	<i>RPS26</i>
SAT	Heart_Failure	ENSG00000204287.9	0.010945438	1.12E-06	0.003671363	0.00033376	<i>HLA-DRA</i>
SAT	Heart_Failure	ENSG00000204516.5	0.002817683	0.000551735	1	0.040227634	<i>MICB</i>
SAT	Heart_Failure	ENSG00000205583.9	-0.006257011	1.07E-06	0.0035168	0.00033376	<i>STAG3L1</i>
SAT	Heart_Failure	ENSG00000213676.6	0.004515701	0.000372459	1	0.033945498	<i>ATF6B</i>
SAT	Heart_Failure	ENSG00000214078.7	-0.002431202	0.000420028	1	0.035877038	<i>CPNE1</i>
SAT	Heart_Failure	ENSG00000229391.3	0.004391176	6.60E-07	0.002165292	0.000309327	<i>HLA-DRB6</i>
SAT	Heart_Failure	ENSG00000232491.1	0.013370254	8.05E-06	0.026396456	0.001759764	<i>SAPCD2P3</i>
SAT	Heart_Failure	ENSG00000232629.4	0.004598664	2.66E-05	0.087370213	0.005139424	<i>HLA-DQB2</i>
SAT	Heart_Failure	ENSG00000236104.2	0.008646228	0.000529887	1	0.039828739	<i>ZBTB22</i>
SAT	Heart_Failure	ENSG00000237541.3	0.011747411	7.31E-12	2.40E-08	9.33E-09	<i>HLA-DQA2</i>
SAT	Heart_Failure	ENSG00000267369.1	-0.012881461	0.000351635	1	0.032963253	<i>AC015911</i>
SAT	Obesity	ENSG00000001617.7	-0.042349741	6.42E-24	2.11E-20	2.63E-21	<i>SEMA3F</i>
SAT	Obesity	ENSG00000004534.10	-0.010296417	1.16E-25	3.80E-22	5.42E-23	<i>RBM6</i>
SAT	Obesity	ENSG00000005243.5	0.010511573	0.004906275	1	0.04924717	<i>COPZ2</i>
SAT	Obesity	ENSG00000005955.8	-0.02546088	5.47E-11	1.80E-07	5.28E-09	<i>AC068620.1</i>
SAT	Obesity	ENSG00000010704.14	-0.01824615	9.63E-09	3.16E-05	6.45E-07	<i>HFE</i>
SAT	Obesity	ENSG00000011295.11	0.020725098	4.03E-05	0.132068945	0.000978288	<i>TTTC19</i>
SAT	Obesity	ENSG00000013275.3	0.012954561	0.000800406	1	0.011671696	<i>PSMC4</i>
SAT	Obesity	ENSG00000026950.12	-0.006405835	0.00131723	1	0.017514158	<i>BTN3A1</i>
SAT	Obesity	ENSG00000029725.12	0.013737419	1.69E-05	0.055535725	0.000454921	<i>RABEP1</i>
SAT	Obesity	ENSG00000031691.6	-0.006018802	0.004650873	1	0.04753743	<i>CENPQ</i>
SAT	Obesity	ENSG00000035115.17	-0.013803988	1.45E-05	0.047525025	0.000402754	<i>SH3YL1</i>
SAT	Obesity	ENSG00000041802.6	0.003214057	0.002798926	1	0.032335484	<i>LSG1</i>
SAT	Obesity	ENSG00000049449.4	-0.017449879	0.001151556	1	0.01567741	<i>RCN1</i>
SAT	Obesity	ENSG00000050130.13	0.01050492	0.003726484	1	0.04021906	<i>JKAMP</i>
SAT	Obesity	ENSG00000053900.6	0.016372793	0.000575996	1	0.009129669	<i>ANAPC4</i>
SAT	Obesity	ENSG00000054282.11	0.010566835	0.000253848	0.832875518	0.004576239	<i>SDCCAG8</i>
SAT	Obesity	ENSG00000055955.11	0.010929139	1.58E-10	5.18E-07	1.40E-08	<i>ITIH4</i>
SAT	Obesity	ENSG00000058063.11	0.008435105	0.002256563	1	0.026632317	<i>ATP11B</i>
SAT	Obesity	ENSG00000064995.12	-0.008884605	0.001970658	1	0.023947142	<i>TAF11</i>
SAT	Obesity	ENSG00000065060.12	0.017939865	5.03E-23	1.65E-19	1.65E-20	<i>UHRF1BP1</i>
SAT	Obesity	ENSG00000071794.11	-0.011863014	0.004351228	1	0.045321841	<i>HLTF</i>
SAT	Obesity	ENSG00000075131.5	0.007144008	2.47E-05	0.08102168	0.000632982	<i>TIPIN</i>
SAT	Obesity	ENSG00000076685.14	0.027435956	3.27E-06	0.010735889	0.000121999	<i>NTSC2</i>
SAT	Obesity	ENSG00000077380.11	0.024877783	4.31E-06	0.014128062	0.000153566	<i>DYNC1I2</i>
SAT	Obesity	ENSG00000082258.8	-0.00912172	7.01E-05	0.229955293	0.001522883	<i>CCNT2</i>
SAT	Obesity	ENSG00000083097.10	0.005174873	0.004329931	1	0.045243638	<i>DOPEY1</i>
SAT	Obesity	ENSG00000085365.13	0.017567295	0.000226501	0.743149228	0.00416135	<i>SCAMP1</i>
SAT	Obesity	ENSG00000087263.12	-0.02081266	6.41E-07	0.002101882	2.84E-05	<i>OGFOD1</i>
SAT	Obesity	ENSG00000090238.7	0.006676158	8.94E-09	2.93E-05	6.24E-07	<i>YPEL3</i>
SAT	Obesity	ENSG00000090621.9	-0.016843483	1.30E-10	4.26E-07	1.18E-08	<i>PABPC4</i>
SAT	Obesity	ENSG00000099956.13	0.007627579	0.001381502	1	0.017891113	<i>SMARCB1</i>
SAT	Obesity	ENSG00000100124.8	-0.012576489	8.22E-05	0.26969943	0.001728843	<i>ANKRD54</i>
SAT	Obesity	ENSG00000100225.13	0.013023505	0.000609051	1	0.009425924	<i>FBXO7</i>
SAT	Obesity	ENSG00000100418.7	0.009436303	2.34E-05	0.076765188	0.00060445	<i>DESII</i>
SAT	Obesity	ENSG00000100697.10	0.009588782	0.000333269	1	0.005785474	<i>DICER1</i>
SAT	Obesity	ENSG00000100997.14	0.018673391	1.88E-05	0.061636307	0.000497067	<i>ABHD12</i>
SAT	Obesity	ENSG00000102595.14	-0.019256079	0.000906919	1	0.012881394	<i>UGGT2</i>
SAT	Obesity	ENSG00000102890.10	0.007173923	0.001989359	1	0.024085189	<i>ELMO3</i>
SAT	Obesity	ENSG00000103051.14	-0.020232602	1.44E-06	0.004709101	5.61E-05	<i>COG4</i>
SAT	Obesity	ENSG00000103351.8	0.008999366	0.000388222	1	0.00656576	<i>CLUAP1</i>
SAT	Obesity	ENSG00000103550.9	-0.017973926	4.37E-06	0.014347209	0.000154271	<i>KNOP1</i>
SAT	Obesity	ENSG00000104219.8	-0.011984207	8.38E-06	0.027510248	0.000252388	<i>ZDHHC2</i>
SAT	Obesity	ENSG00000104388.10	-0.012184546	0.004492315	1	0.046496169	<i>RAB2A</i>
SAT	Obesity	ENSG00000104738.12	0.014989921	0.002932	1	0.033402404	<i>MCM4</i>
SAT	Obesity	ENSG00000104852.10	-0.023992037	5.07E-05	0.166466976	0.00118905	<i>SNRNP70</i>
SAT	Obesity	ENSG00000104866.6	0.020115729	0.000504393	1	0.008152283	<i>PPP1R37</i>
SAT	Obesity	ENSG00000105656.8	-0.020531358	0.000740439	1	0.010943155	<i>ELL</i>
SAT	Obesity	ENSG00000105726.12	-0.013121315	9.89E-06	0.032437308	0.000287056	<i>ATP13A1</i>

SAT	Obesity	ENSG00000108384.10	-0.005785721	0.000391258	1	0.006583171	<i>RAD51C</i>
SAT	Obesity	ENSG00000108556.7	0.007916422	0.001009616	1	0.01409596	<i>CHRNE</i>
SAT	Obesity	ENSG00000110906.8	-0.007434349	0.001761912	1	0.021816295	<i>KCTD10</i>
SAT	Obesity	ENSG00000111364.11	0.01002957	8.82E-05	0.289254279	0.001819209	<i>DDX55</i>
SAT	Obesity	ENSG00000112053.9	-0.008591104	0.002160484	1	0.025776541	<i>SLC26A8</i>
SAT	Obesity	ENSG00000112812.11	0.019982085	6.06E-08	0.000198728	3.43E-06	<i>PRSS16</i>
SAT	Obesity	ENSG00000113141.11	-0.011817149	0.000224277	0.735854405	0.00416135	<i>IK</i>
SAT	Obesity	ENSG00000113734.13	-0.005269335	0.001826872	1	0.022365554	<i>BNIP1</i>
SAT	Obesity	ENSG00000114302.11	0.013131283	0.003245488	1	0.03585335	<i>PRKAR2A</i>
SAT	Obesity	ENSG00000114378.12	-0.008801824	0.000417293	1	0.0069854	<i>HYAL1</i>
SAT	Obesity	ENSG00000114796.11	0.018642893	0.000693494	1	0.010437399	<i>KLHL24</i>
SAT	Obesity	ENSG00000115561.10	-0.012587585	1.68E-07	0.000550225	8.60E-06	<i>CHMP3</i>
SAT	Obesity	ENSG00000116138.8	-0.015463354	0.000831014	1	0.011970992	<i>DNAJC16</i>
SAT	Obesity	ENSG00000117122.9	-0.008657563	0.000745805	1	0.010973029	<i>MFAP2</i>
SAT	Obesity	ENSG00000117523.11	0.018681058	0.000579492	1	0.009140928	<i>PRRC2C</i>
SAT	Obesity	ENSG00000117601.9	0.021706922	5.74E-10	1.88E-06	4.83E-08	<i>SERPINC1</i>
SAT	Obesity	ENSG00000118004.13	-0.017584479	0.003707613	1	0.040147456	<i>COLEC11</i>
SAT	Obesity	ENSG00000119242.4	0.027420582	7.81E-12	2.56E-08	8.01E-10	<i>CCDC92</i>
SAT	Obesity	ENSG00000119599.12	0.016637593	8.55E-05	0.280456055	0.001786344	<i>DCAF4</i>
SAT	Obesity	ENSG00000119865.4	-0.013713893	0.001395269	1	0.017952463	<i>CNRIP1</i>
SAT	Obesity	ENSG00000119878.5	-0.020624864	0.000706535	1	0.010536999	<i>CRIP1</i>
SAT	Obesity	ENSG00000120093.7	0.01785997	7.07E-06	0.023193307	0.000220889	<i>HOXB3</i>
SAT	Obesity	ENSG00000120314.14	-0.021476583	0.000167015	0.547976513	0.00332107	<i>WDR55</i>
SAT	Obesity	ENSG00000120451.6	-0.017559408	3.88E-05	0.127170978	0.000956173	<i>SNX19</i>
SAT	Obesity	ENSG00000120907.13	0.008230242	7.11E-05	0.233124643	0.001533715	<i>ADRA1A</i>
SAT	Obesity	ENSG00000121101.11	0.019149103	0.001420838	1	0.018210036	<i>TEX14</i>
SAT	Obesity	ENSG00000121957.8	0.017455996	0.003970066	1	0.042429273	<i>GP5M2</i>
SAT	Obesity	ENSG00000124562.5	-0.022882165	7.81E-24	2.56E-20	2.85E-21	<i>SNRPC</i>
SAT	Obesity	ENSG00000124635.7	0.032304234	5.04E-09	1.65E-05	3.85E-07	<i>HIST1H2BJ</i>
SAT	Obesity	ENSG00000125388.15	0.006143184	3.96E-05	0.129893828	0.000969357	<i>GRK4</i>
SAT	Obesity	ENSG00000125510.11	0.015503854	0.001189379	1	0.016108635	<i>OPRL1</i>
SAT	Obesity	ENSG00000127337.2	0.006081885	0.00180093	1	0.022213732	<i>YEATS4</i>
SAT	Obesity	ENSG00000127957.12	-0.025019378	4.20E-21	1.38E-17	1.06E-18	<i>PMS2P3</i>
SAT	Obesity	ENSG00000128408.7	0.013449096	0.000281732	0.924363749	0.005051168	<i>RIBC2</i>
SAT	Obesity	ENSG00000129197.10	-0.032270044	3.43E-08	0.000112625	2.01E-06	<i>RPAIN</i>
SAT	Obesity	ENSG00000130270.12	-0.013981054	1.55E-08	5.09E-05	9.61E-07	<i>ATP8B3</i>
SAT	Obesity	ENSG00000130517.9	0.009707731	0.001813453	1	0.022284413	<i>PGPEP1</i>
SAT	Obesity	ENSG00000130943.5	-0.008886107	0.00176206	1	0.021816295	<i>PKDREJ</i>
SAT	Obesity	ENSG00000132205.6	0.026690968	5.69E-07	0.001867289	2.63E-05	<i>EMILIN2</i>
SAT	Obesity	ENSG00000132740.4	0.008662722	1.18E-05	0.038713509	0.000333737	<i>IGHMBP2</i>
SAT	Obesity	ENSG00000133243.4	-0.015943571	0.002356617	1	0.027713474	<i>BTBD2</i>
SAT	Obesity	ENSG00000133706.13	-0.005092951	0.000218313	0.716283401	0.004116571	<i>LARS</i>
SAT	Obesity	ENSG00000134201.6	0.013429279	0.004402218	1	0.045707838	<i>GSTM5</i>
SAT	Obesity	ENSG00000134575.5	0.017519136	5.78E-05	0.189718648	0.001299443	<i>ACP2</i>
SAT	Obesity	ENSG00000134851.8	-0.015278859	0.004962027	1	0.04948453	<i>TMEM165</i>
SAT	Obesity	ENSG00000135124.10	0.014811989	0.001537661	1	0.019479014	<i>P2RX4</i>
SAT	Obesity	ENSG00000135211.5	-0.016696989	1.48E-05	0.04868499	0.000409118	<i>TMEM60</i>
SAT	Obesity	ENSG00000135213.8	-0.046852546	1.37E-19	4.49E-16	2.99E-17	<i>POM121C</i>
SAT	Obesity	ENSG00000135913.6	0.016351052	7.55E-05	0.247607994	0.001607844	<i>USP37</i>
SAT	Obesity	ENSG00000135972.4	0.006560012	0.004025422	1	0.042742426	<i>MRPS9</i>
SAT	Obesity	ENSG00000136982.5	0.003455941	0.003466938	1	0.03791674	<i>ZSCC1</i>
SAT	Obesity	ENSG00000137185.7	0.011301798	5.01E-06	0.016439069	0.00017124	<i>DSCAN9</i>
SAT	Obesity	ENSG00000137216.14	-0.012292112	0.003502547	1	0.038178922	<i>TMEM63B</i>
SAT	Obesity	ENSG00000137310.7	0.020327741	0.000311077	1	0.00545799	<i>TCF19</i>
SAT	Obesity	ENSG00000137404.10	0.01523641	0.00283603	1	0.032649172	<i>NRM</i>
SAT	Obesity	ENSG00000138380.13	0.015763952	4.23E-06	0.013878489	0.000153566	<i>CARF</i>
SAT	Obesity	ENSG00000138722.5	-0.016649884	0.000226695	0.743786199	0.00416135	<i>MMRNI</i>
SAT	Obesity	ENSG00000139187.5	0.006727334	0.003419812	1	0.037526436	<i>KLRG1</i>
SAT	Obesity	ENSG00000139405.11	-0.00719107	0.002945476	1	0.033439816	<i>RITA1</i>
SAT	Obesity	ENSG00000140600.12	-0.018197985	0.00017939	0.588578432	0.003503443	<i>SH3GL3</i>
SAT	Obesity	ENSG00000141076.13	0.008825435	0.000641465	1	0.009821879	<i>UTP4</i>
SAT	Obesity	ENSG00000141452.5	-0.029717219	2.32E-13	7.62E-10	3.05E-11	<i>RMCI</i>
SAT	Obesity	ENSG00000141458.8	-0.040153315	3.17E-13	1.04E-09	4.00E-11	<i>NPCI</i>
SAT	Obesity	ENSG00000141569.6	0.013035365	1.71E-05	0.055955263	0.000454921	<i>TRIM65</i>
SAT	Obesity	ENSG00000142534.2	0.013965966	0.002508727	1	0.029396904	<i>RPS11</i>
SAT	Obesity	ENSG00000143367.11	-0.01470841	0.001385048	1	0.017891113	<i>TUFT1</i>
SAT	Obesity	ENSG00000143575.10	0.019162961	0.00056676	1	0.009026899	<i>HAX1</i>
SAT	Obesity	ENSG00000143702.11	0.01722294	0.000360022	1	0.006152259	<i>CEP170</i>
SAT	Obesity	ENSG00000144218.14	-0.019514698	0.001630235	1	0.020493485	<i>AFF3</i>

SAT	Obesity	ENSG00000144426.14	0.011423201	4.36E-05	0.143109527	0.001052276	<i>NBEAL1</i>	
SAT	Obesity	ENSG00000145020.10	-0.004657287	0.001221506	1	0.016425251	<i>AMT</i>	
SAT	Obesity	ENSG00000145029.7	-0.007710233	0.001347002	1	0.017820619	<i>NICN1</i>	
SAT	Obesity	ENSG00000145241.6	-0.014781832	8.11E-06	0.026615819	0.000246443	<i>CENPC</i>	
SAT	Obesity	ENSG00000145416.9	-0.012804949	0.001270006	1	0.017007708		<i>Mar-01</i>
SAT	Obesity	ENSG00000145832.8	-0.013154344	0.000783465	1	0.011475667	<i>SLC25A48</i>	
SAT	Obesity	ENSG00000145882.6	-0.012554183	0.000215361	0.706598061	0.004108128	<i>PCYOX1L</i>	
SAT	Obesity	ENSG00000146109.3	0.012118149	0.000481152	1	0.007893306	<i>ABT1</i>	
SAT	Obesity	ENSG00000147576.11	-0.009248523	0.004528528	1	0.046723588	<i>ADHFE1</i>	
SAT	Obesity	ENSG00000148572.10	-0.010932444	0.000358951	1	0.006152259	<i>NRBF2</i>	
SAT	Obesity	ENSG00000148824.14	0.006882514	0.00095037	1	0.013382673	<i>MTGI</i>	
SAT	Obesity	ENSG00000148843.9	-0.01668916	0.004620519	1	0.047523265	<i>PDCD11</i>	
SAT	Obesity	ENSG00000149084.7	-0.00756146	4.44E-12	1.46E-08	4.70E-10	<i>HSD17B12</i>	
SAT	Obesity	ENSG00000149292.12	0.005363466	5.91E-05	0.193830136	0.001318572	<i>TTC12</i>	
SAT	Obesity	ENSG00000149548.10	-0.012340869	8.71E-06	0.028575623	0.000257506	<i>CCDC15</i>	
SAT	Obesity	ENSG00000149922.6	0.017744052	6.23E-08	0.000204468	3.47E-06	<i>TBX6</i>	
SAT	Obesity	ENSG00000151006.7	-0.023616999	1.37E-06	0.004505949	5.43E-05	<i>PRSS53</i>	
SAT	Obesity	ENSG00000151640.8	0.005974125	0.000143633	0.471258719	0.002907205	<i>DPYSL4</i>	
SAT	Obesity	ENSG00000151917.13	-0.015994496	0.001510531	1	0.019284252	<i>BEND6</i>	
SAT	Obesity	ENSG00000152061.17	0.009972483	0.001645952	1	0.020612092	<i>RABGAP1L</i>	
SAT	Obesity	ENSG00000152219.4	-0.02230662	1.22E-05	0.040126726	0.000342963	<i>ARL14EP</i>	
SAT	Obesity	ENSG00000152359.10	-0.013509979	4.06E-08	0.000133337	2.34E-06	<i>POC5</i>	
SAT	Obesity	ENSG00000153814.7	0.023572942	2.16E-06	0.007090411	8.34E-05	<i>JAZF1</i>	
SAT	Obesity	ENSG00000154240.12	0.015923159	0.002914589	1	0.033319744	<i>CEP112</i>	
SAT	Obesity	ENSG00000154328.11	0.015937525	0.00016882	0.553899403	0.003336743	<i>NEIL2</i>	
SAT	Obesity	ENSG00000154710.11	-0.004335381	0.003233948	1	0.035846561	<i>RABGEF1</i>	
SAT	Obesity	ENSG00000157214.9	-0.011519833	0.000227029	0.744881694	0.00416135	<i>STEAP2</i>	
SAT	Obesity	ENSG00000157322.12	-0.019625066	9.65E-18	3.17E-14	1.86E-15	<i>CLEC18A</i>	
SAT	Obesity	ENSG00000158104.7	0.027834161	4.07E-06	0.013352769	0.000150031	<i>HPD</i>	
SAT	Obesity	ENSG00000158623.10	-0.0055916	0.0013185	1	0.017514158	<i>COPG2</i>	
SAT	Obesity	ENSG00000158865.8	-0.00909781	1.54E-07	0.000504465	8.01E-06	<i>SLC5A11</i>	
SAT	Obesity	ENSG00000160049.7	0.012776217	0.004741415	1	0.048132349	<i>DFFA</i>	
SAT	Obesity	ENSG00000160200.13	-0.010849033	0.002001436	1	0.024142325	<i>CBS</i>	
SAT	Obesity	ENSG00000162994.11	0.002951464	0.004302054	1	0.045127264	<i>CLHC1</i>	
SAT	Obesity	ENSG00000163297.12	0.023903917	5.02E-05	0.164630032	0.001184389	<i>ANTXR2</i>	
SAT	Obesity	ENSG00000163406.6	-0.012261725	0.002635034	1	0.030767067	<i>SLC15A2</i>	
SAT	Obesity	ENSG00000163431.11	-0.039882784	4.89E-16	1.60E-12	8.91E-14	<i>LMOD1</i>	
SAT	Obesity	ENSG00000163596.12	-0.014334638	5.52E-05	0.180961705	0.001274378	<i>ICAIL</i>	
SAT	Obesity	ENSG00000163933.5	-0.022904373	3.06E-07	0.001004707	1.50E-05	<i>RFT1</i>	
SAT	Obesity	ENSG00000164062.8	-0.022521482	9.79E-13	3.21E-09	1.19E-10	<i>APEH</i>	
SAT	Obesity	ENSG00000164068.11	0.015980383	6.17E-21	2.02E-17	1.45E-18	<i>RNF123</i>	
SAT	Obesity	ENSG00000164078.8	0.021249681	5.62E-07	0.001844381	2.63E-05	<i>MST1R</i>	
SAT	Obesity	ENSG00000164081.8	-0.008724349	0.000309898	1	0.00545799	<i>TEX264</i>	
SAT	Obesity	ENSG00000164088.13	-0.013366341	5.17E-05	0.169511435	0.001202209	<i>PPM1M</i>	
SAT	Obesity	ENSG00000164307.8	-0.01225249	5.71E-05	0.187496535	0.00129308	<i>ERAP1</i>	
SAT	Obesity	ENSG00000164924.13	-0.01088873	0.000110337	0.362016307	0.002262602	<i>YWHAZ</i>	
SAT	Obesity	ENSG00000165178.8	0.016324566	5.59E-06	0.018329698	0.000185148	<i>NCF1C</i>	
SAT	Obesity	ENSG00000165476.8	-0.01656893	0.000296803	0.973811918	0.005263848	<i>REEP3</i>	
SAT	Obesity	ENSG00000165916.4	0.009885376	0.00419444	1	0.044393409	<i>PSMC3</i>	
SAT	Obesity	ENSG00000166166.8	-0.02753038	2.68E-06	0.008802345	0.000101176	<i>TRMT61A</i>	
SAT	Obesity	ENSG00000166529.10	-0.00643233	0.003904879	1	0.041868986	<i>ZSCAN21</i>	
SAT	Obesity	ENSG00000166532.11	-0.00473951	0.003297544	1	0.036306184	<i>RIMKL1</i>	
SAT	Obesity	ENSG00000166913.8	-0.014803803	0.002192692	1	0.026066026	<i>YWHAB</i>	
SAT	Obesity	ENSG00000167118.6	-0.018425405	0.000240349	0.788584307	0.004381024	<i>URM1</i>	
SAT	Obesity	ENSG00000167395.10	0.036864128	2.58E-09	8.47E-06	2.02E-07	<i>ZNF646</i>	
SAT	Obesity	ENSG00000167397.10	-0.028499606	1.26E-09	4.13E-06	1.03E-07	<i>VKORC1</i>	
SAT	Obesity	ENSG00000167671.7	-0.021451271	6.43E-05	0.211071878	0.001407146	<i>UBXN6</i>	
SAT	Obesity	ENSG00000167720.8	0.005848215	9.98E-06	0.032755771	0.000287331	<i>SRR</i>	
SAT	Obesity	ENSG00000168090.5	-0.015845834	0.001625593	1	0.020493485	<i>COSP6</i>	
SAT	Obesity	ENSG00000168268.6	-0.017198664	0.003542063	1	0.038481818	<i>NTSDC2</i>	
SAT	Obesity	ENSG00000168405.10	0.024623487	1.54E-05	0.050685654	0.00042238	<i>CMAHP</i>	
SAT	Obesity	ENSG00000169085.7	0.00465275	0.000932847	1	0.013192543	<i>C8orf46</i>	
SAT	Obesity	ENSG00000169203.12	0.016386895	1.78E-13	5.85E-10	2.44E-11	<i>NPIPB12</i>	
SAT	Obesity	ENSG00000169592.10	-0.030681168	2.13E-15	7.00E-12	3.52E-13	<i>INO80E</i>	
SAT	Obesity	ENSG00000169612.3	-0.011344282	0.00014443	0.473874493	0.002907205	<i>FAM103A1</i>	
SAT	Obesity	ENSG00000170092.10	0.03612136	6.27E-18	2.06E-14	1.29E-15	<i>SPDYE5</i>	
SAT	Obesity	ENSG00000170425.3	-0.011788742	9.60E-07	0.003149223	4.04E-05	<i>ADORA2B</i>	
SAT	Obesity	ENSG00000171103.6	0.006628925	3.08E-05	0.101114778	0.000771869	<i>TRMT61B</i>	
SAT	Obesity	ENSG00000172247.3	-0.011352435	2.82E-15	9.26E-12	4.41E-13	<i>C1QTNF4</i>	

SAT	Obesity	ENSG00000172543.3	-0.007813881	3.03E-08	9.95E-05	1.81E-06	<i>CTSW</i>
SAT	Obesity	ENSG00000172638.8	0.026690593	7.68E-07	0.002520127	3.36E-05	<i>EFEMP2</i>
SAT	Obesity	ENSG00000172728.11	-0.008466858	5.57E-05	0.182847411	0.001278653	<i>FUT10</i>
SAT	Obesity	ENSG00000172780.12	0.013016075	0.000591656	1	0.009200114	<i>RAB43</i>
SAT	Obesity	ENSG00000172803.13	0.017944522	1.24E-06	0.004084677	5.04E-05	<i>SNX32</i>
SAT	Obesity	ENSG00000173226.12	-0.006408594	0.000831876	1	0.011970992	<i>IQCB1</i>
SAT	Obesity	ENSG00000173531.11	-0.01374922	8.86E-06	0.029065745	0.000259516	<i>MST1</i>
SAT	Obesity	ENSG00000173540.8	0.032025343	7.69E-08	0.000252323	4.14E-06	<i>GMPPB</i>
SAT	Obesity	ENSG00000173917.9	0.010905825	0.003209276	1	0.035693673	<i>HOXB2</i>
SAT	Obesity	ENSG00000174775.12	0.018363086	0.002150801	1	0.025754667	<i>HRAS</i>
SAT	Obesity	ENSG00000174891.8	-0.007738905	0.001723986	1	0.021507222	<i>RSRC1</i>
SAT	Obesity	ENSG00000176095.7	0.013328567	0.000291217	0.955483178	0.005192843	<i>IP6K1</i>
SAT	Obesity	ENSG00000176155.14	-0.011105982	0.000217172	0.712541311	0.004116571	<i>CCDC57</i>
SAT	Obesity	ENSG00000176783.10	0.012558698	4.61E-05	0.151247996	0.001104	<i>RUFY1</i>
SAT	Obesity	ENSG00000176998.3	-0.007545459	0.000888573	1	0.01273104	<i>HCG4</i>
SAT	Obesity	ENSG00000177156.6	-0.017526325	0.000975526	1	0.013678212	<i>TALDO1</i>
SAT	Obesity	ENSG00000177380.9	-0.021000074	0.000185691	0.60925266	0.003605045	<i>PPFIA3</i>
SAT	Obesity	ENSG00000177595.13	0.014175994	6.50E-06	0.021314024	0.000208961	<i>PIDD1</i>
SAT	Obesity	ENSG00000177697.13	0.01556328	0.00111403	1	0.015293437	<i>CD151</i>
SAT	Obesity	ENSG00000177700.5	-0.017419146	0.001369046	1	0.017891113	<i>POLR2L</i>
SAT	Obesity	ENSG00000178188.10	-0.036485621	2.37E-31	7.77E-28	3.89E-28	<i>SH2B1</i>
SAT	Obesity	ENSG00000178467.13	-0.024227385	4.96E-05	0.162743287	0.001179299	<i>P4HTM</i>
SAT	Obesity	ENSG00000178718.5	-0.012406587	0.000470184	1	0.007752125	<i>RPP25</i>
SAT	Obesity	ENSG00000178750.2	0.025985152	2.38E-07	0.000782294	1.19E-05	<i>STX19</i>
SAT	Obesity	ENSG00000178809.7	-0.038049052	1.54E-12	5.06E-09	1.75E-10	<i>TRIM73</i>
SAT	Obesity	ENSG00000178952.4	0.022774371	8.85E-23	2.91E-19	2.64E-20	<i>TUFM</i>
SAT	Obesity	ENSG00000179115.6	-0.019285026	0.001089265	1	0.015079658	<i>FARSA</i>
SAT	Obesity	ENSG00000179673.3	0.008942678	0.000489773	1	0.00799476	<i>RPRML</i>
SAT	Obesity	ENSG00000180385.4	0.014958398	2.59E-05	0.084960169	0.00065354	<i>EMC3-AS1</i>
SAT	Obesity	ENSG00000181315.6	-0.019016948	1.36E-08	4.46E-05	8.57E-07	<i>ZNF322</i>
SAT	Obesity	ENSG00000181885.14	-0.015833232	0.004854327	1	0.049006297	<i>CLDN7</i>
SAT	Obesity	ENSG00000182533.6	-0.00964063	0.001517914	1	0.01930339	<i>CAV3</i>
SAT	Obesity	ENSG00000182685.3	-0.009793504	0.002242636	1	0.026563494	<i>BRICD5</i>
SAT	Obesity	ENSG00000182841.8	0.026802166	8.71E-06	0.028583162	0.000257506	<i>RRP7BP</i>
SAT	Obesity	ENSG00000183060.11	0.006294028	0.003101409	1	0.034931854	<i>LYSM4</i>
SAT	Obesity	ENSG00000183527.7	0.00656109	3.69E-05	0.121062492	0.00091714	<i>PSMG1</i>
SAT	Obesity	ENSG00000183604.10	-0.027024299	2.20E-14	7.22E-11	3.28E-12	<i>SMGIP5</i>
SAT	Obesity	ENSG00000184110.10	0.034560771	1.26E-27	4.13E-24	6.88E-25	<i>EIF3C</i>
SAT	Obesity	ENSG00000184381.14	0.028631519	6.29E-07	0.002062197	2.82E-05	<i>PLA2G6</i>
SAT	Obesity	ENSG00000185245.6	0.024905825	6.84E-06	0.022450585	0.000215871	<i>GP1BA</i>
SAT	Obesity	ENSG00000186470.9	-0.006418446	2.09E-10	6.85E-07	1.80E-08	<i>BTN3A2</i>
SAT	Obesity	ENSG00000186792.11	-0.008919823	5.87E-06	0.019275008	0.00019275	<i>HYAL3</i>
SAT	Obesity	ENSG00000188312.9	0.008280419	1.16E-06	0.003807838	4.78E-05	<i>ENPPP</i>
SAT	Obesity	ENSG00000188878.12	0.00689994	0.00053744	1	0.00860166	<i>CBF1</i>
SAT	Obesity	ENSG00000189157.9	0.020571801	0.000435097	1	0.007246456	<i>FAM47E</i>
SAT	Obesity	ENSG00000196502.7	-0.022327456	6.93E-08	0.000227381	3.79E-06	<i>SULT1A1</i>
SAT	Obesity	ENSG00000196821.5	0.016943274	7.90E-09	2.59E-05	5.76E-07	<i>C6orf106</i>
SAT	Obesity	ENSG00000196968.6	0.017465092	0.000498052	1	0.008089652	<i>FUT11</i>
SAT	Obesity	ENSG00000197062.7	-0.009112522	1.32E-06	0.004323148	5.27E-05	<i>ZSCAN26</i>
SAT	Obesity	ENSG00000197119.8	0.015702234	0.003838549	1	0.041292719	<i>SLC25A29</i>
SAT	Obesity	ENSG00000197165.6	0.025054045	4.83E-29	1.58E-25	3.96E-26	<i>SULT1A2</i>
SAT	Obesity	ENSG00000197262.8	-0.022107967	5.51E-06	0.018078008	0.000184469	<i>CCL4L2</i>
SAT	Obesity	ENSG00000197279.3	-0.016175212	0.000343536	1	0.005932319	<i>ZNF165</i>
SAT	Obesity	ENSG00000197345.8	-0.004617618	0.00024627	0.808011247	0.004464151	<i>MRPL21</i>
SAT	Obesity	ENSG00000197728.5	-0.005012065	6.34E-05	0.208003143	0.001395994	<i>RPS26</i>
SAT	Obesity	ENSG00000197782.10	-0.00576441	6.78E-06	0.022235679	0.000215871	<i>ZNF780A</i>
SAT	Obesity	ENSG00000198093.6	-0.01099685	0.004675143	1	0.047637091	<i>ZNF649</i>
SAT	Obesity	ENSG00000198099.4	-0.012719663	6.22E-05	0.20423066	0.001379937	<i>ADH4</i>
SAT	Obesity	ENSG00000198315.6	0.024570228	4.53E-06	0.014868425	0.000158175	<i>ZKSCAN8</i>
SAT	Obesity	ENSG00000204301.5	-0.010052337	1.03E-07	0.000336539	5.43E-06	<i>NOTCH4</i>
SAT	Obesity	ENSG00000204316.8	-0.016333552	0.000622857	1	0.009594331	<i>MRPL38</i>
SAT	Obesity	ENSG00000204351.7	-0.005115562	8.49E-07	0.002786939	3.62E-05	<i>SKIV2L</i>
SAT	Obesity	ENSG00000204356.7	0.009606776	1.13E-05	0.037186464	0.000323361	<i>NELFE</i>
SAT	Obesity	ENSG00000204438.6	-0.010673723	0.002031475	1	0.024414904	<i>GPANK1</i>
SAT	Obesity	ENSG00000204531.11	0.005984145	6.33E-06	0.020754964	0.000205495	<i>POU5F1</i>
SAT	Obesity	ENSG00000204536.9	0.006014269	7.92E-07	0.002598857	3.42E-05	<i>CCHCR1</i>
SAT	Obesity	ENSG00000204574.8	0.012629811	0.000321327	1	0.005607837	<i>ABCF1</i>
SAT	Obesity	ENSG00000204592.5	0.02573082	1.36E-12	4.48E-09	1.60E-10	<i>HLA-E</i>
SAT	Obesity	ENSG00000204622.6	-0.006186584	0.002987884	1	0.033804298	<i>HLA-J</i>

SAT	Obesity	ENSG00000204644.5	0.00561534	4.81E-07	0.001578468	2.29E-05	<i>ZFP57</i>
SAT	Obesity	ENSG00000204789.3	0.013876056	5.89E-07	0.001933278	2.69E-05	<i>ZNF204P</i>
SAT	Obesity	ENSG00000205571.8	-0.00663182	0.003112769	1	0.034931854	<i>SMN2</i>
SAT	Obesity	ENSG00000205583.9	-0.018882712	3.09E-21	1.01E-17	8.45E-19	<i>STAG3LI</i>
SAT	Obesity	ENSG00000205710.3	0.0078212	0.000213895	0.701788941	0.004104029	<i>C17orf107</i>
SAT	Obesity	ENSG00000212694.4	-0.010224564	0.000177763	0.583239018	0.003492449	<i>LINC01089</i>
SAT	Obesity	ENSG00000213199.3	0.014374907	5.66E-05	0.185763223	0.001290022	<i>ASIC3</i>
SAT	Obesity	ENSG00000213240.7	0.011535034	0.000814646	1	0.011826782	<i>AC239799.1</i>
SAT	Obesity	ENSG00000213277.3	0.017722127	7.55E-05	0.247607841	0.001607844	<i>MARCKSLIP1</i>
SAT	Obesity	ENSG00000213445.4	0.012939776	0.002734155	1	0.031698813	<i>SIPA1</i>
SAT	Obesity	ENSG00000213639.5	-0.020100499	2.55E-05	0.083799066	0.000649605	<i>PPP1CB</i>
SAT	Obesity	ENSG00000213719.4	-0.026134466	2.14E-05	0.070131393	0.000561051	<i>CLIC1</i>
SAT	Obesity	ENSG00000214279.8	-0.013124748	0.001942372	1	0.023691163	<i>SCART1</i>
SAT	Obesity	ENSG00000214659.4	0.01857369	0.001371457	1	0.017891113	<i>KRT8P26</i>
SAT	Obesity	ENSG00000216901.1	0.005171762	0.000905605	1	0.012881394	<i>ZNF603P</i>
SAT	Obesity	ENSG00000219392.1	-0.00592181	0.000204126	0.669738099	0.003939636	<i>ZNF602P</i>
SAT	Obesity	ENSG00000223496.1	-0.033930289	2.15E-15	7.05E-12	3.52E-13	<i>EXOSC6</i>
SAT	Obesity	ENSG00000224389.4	0.015045638	1.99E-07	0.000652004	1.00E-05	<i>C4B</i>
SAT	Obesity	ENSG00000224843.2	0.030536975	9.30E-09	3.05E-05	6.36E-07	<i>LINC00240</i>
SAT	Obesity	ENSG00000224997.1	-0.010728221	7.71E-06	0.025283959	0.000236299	<i>AL049840.1</i>
SAT	Obesity	ENSG00000225726.1	-0.014721927	0.002710614	1	0.031537324	<i>AC007000.2</i>
SAT	Obesity	ENSG00000226232.4	-0.010805208	5.70E-09	1.87E-05	4.25E-07	<i>NPIPB14P</i>
SAT	Obesity	ENSG00000227370.1	-0.019192897	0.001102605	1	0.015200196	<i>AC254562.1</i>
SAT	Obesity	ENSG00000230521.1	0.004580465	0.003120382	1	0.034931854	<i>HCG4P7</i>
SAT	Obesity	ENSG00000231500.2	0.007487041	0.000662586	1	0.010064566	<i>RPS18</i>
SAT	Obesity	ENSG00000231852.2	0.011001084	1.23E-08	4.02E-05	7.89E-07	<i>CYP21A2</i>
SAT	Obesity	ENSG00000232561.2	-0.030299663	3.16E-12	1.04E-08	3.46E-10	<i>GTF2IP1</i>
SAT	Obesity	ENSG00000233137.2	0.026036316	2.33E-05	0.076498763	0.00060445	<i>RP11-220I1.2</i>
SAT	Obesity	ENSG00000233609.3	0.017464292	0.000712678	1	0.01058052	<i>RPL10P19</i>
SAT	Obesity	ENSG00000234147.1	-0.008818141	0.004923216	1	0.04924717	<i>AL035446.1</i>
SAT	Obesity	ENSG00000235109.3	0.007461193	0.000380726	1	0.006472339	<i>ZSCAN3I</i>
SAT	Obesity	ENSG00000235821.1	-0.007535345	0.000223936	0.734733047	0.00416135	<i>IFITM4P</i>
SAT	Obesity	ENSG00000237669.1	0.00452278	0.000589086	1	0.009200114	<i>HCG4P3</i>
SAT	Obesity	ENSG00000239257.1	0.00412318	0.000705872	1	0.010536999	<i>RPL23AP1</i>
SAT	Obesity	ENSG00000239557.1	0.035149711	1.01E-08	3.32E-05	6.64E-07	<i>AC092045.1</i>
SAT	Obesity	ENSG00000240065.3	0.010864567	0.000522406	1	0.008402027	<i>PSMB9</i>
SAT	Obesity	ENSG00000244731.3	-0.006797386	2.28E-06	0.007484805	8.70E-05	<i>C4A</i>
SAT	Obesity	ENSG00000245958.2	-0.007472117	0.001359084	1	0.017891113	<i>AC093752.1</i>
SAT	Obesity	ENSG00000247373.2	-0.009322827	0.004637298	1	0.04753743	<i>AC055713.1</i>
SAT	Obesity	ENSG00000248290.1	-0.00696709	5.33E-06	0.01748586	0.000180267	<i>TNXA</i>
SAT	Obesity	ENSG00000248408.1	-0.026159148	7.68E-06	0.025190766	0.000236299	<i>LINC02469</i>
SAT	Obesity	ENSG00000249839.1	0.010352267	0.004753088	1	0.048132349	<i>AC011330.1</i>
SAT	Obesity	ENSG00000250412.1	0.015547517	0.000586375	1	0.009200114	<i>KLHL2P1</i>
SAT	Obesity	ENSG00000251417.1	-0.022760207	6.04E-30	1.98E-26	6.60E-27	<i>AC145285.2</i>
SAT	Obesity	ENSG00000254152.1	-0.015394612	0.004305039	1	0.045127264	<i>PPIAP84</i>
SAT	Obesity	ENSG00000254986.3	0.007176993	0.00290318	1	0.03330536	<i>DPP3</i>
SAT	Obesity	ENSG00000255298.2	-0.013037903	0.00119305	1	0.016108635	<i>OR8G5</i>
SAT	Obesity	ENSG00000256269.2	0.020564655	2.58E-11	8.46E-08	2.56E-09	<i>HMBS</i>
SAT	Obesity	ENSG00000256604.1	-0.012729119	0.003130133	1	0.034931854	<i>MIR4448</i>
SAT	Obesity	ENSG00000259056.1	0.013647605	0.004020267	1	0.042742426	<i>DUXAP1</i>
SAT	Obesity	ENSG00000259207.3	-0.012562987	0.004920683	1	0.04924717	<i>ITGB3</i>
SAT	Obesity	ENSG00000259863.1	-0.01279939	0.00016454	0.539856518	0.003291808	<i>SH3RF3-AS1</i>
SAT	Obesity	ENSG00000259982.1	0.030178648	4.83E-33	1.59E-29	1.59E-29	<i>CDC37P1</i>
SAT	Obesity	ENSG00000260388.1	-0.011361927	0.000686976	1	0.010386958	<i>LINC00562</i>
SAT	Obesity	ENSG00000260911.1	0.016902587	2.53E-08	8.30E-05	1.54E-06	<i>AC135050.3</i>
SAT	Obesity	ENSG00000260947.1	-0.00530855	8.68E-05	0.284764483	0.001802307	<i>AL356489.2</i>
SAT	Obesity	ENSG00000261556.4	-0.026717595	1.44E-13	4.73E-10	2.06E-11	<i>SMG1P7</i>
SAT	Obesity	ENSG00000265055.1	0.01631453	4.27E-06	0.014026009	0.000153566	<i>AC145343.1</i>
SAT	Obesity	ENSG00000265798.2	-0.011486425	0.00112849	1	0.015427393	<i>AC138207.6</i>
SAT	Obesity	ENSG00000266173.1	-0.016887278	0.000112007	0.367495748	0.002282582	<i>STRADA</i>
SAT	Obesity	ENSG00000267352.1	0.028278495	4.83E-06	0.015843223	0.000166771	<i>SH3GLIP3</i>
SAT	Obesity	ENSG00000269921.1	0.011301544	0.004264467	1	0.044989445	<i>AC068620.1</i>
SAT	Obesity	ENSG00000269928.1	0.013468901	0.00043891	1	0.007273057	<i>RP11-849F2.8</i>
SAT	Obesity	ENSG00000269963.1	-0.026868231	8.68E-09	2.85E-05	6.19E-07	<i>RP11-73M18.9</i>
SAT	Obesity	ENSG00000269990.1	0.026229802	4.71E-07	0.00154381	2.27E-05	<i>CTD-307A07.12</i>
SAT	Obesity	ENSG00000270692.1	0.020555382	1.70E-05	0.055873587	0.000454921	<i>RP11-89F17.5</i>
SAT	Obesity	ENSG00000271623.1	-0.051121129	2.24E-28	7.35E-25	1.47E-25	<i>AC138894.3</i>
SAT	Obesity	ENSG00000271751.1	-0.031148413	1.89E-09	6.21E-06	1.51E-07	<i>AP003392.5</i>
SAT	Obesity	ENSG00000271780.1	-0.008895099	0.001062991	1	0.014778276	<i>ALI18558.3</i>

SAT	Obesity	ENSG00000272047.1	0.014001561	0.000643616	1	0.009821879	<i>GTF2H5</i>
SAT	Obesity	ENSG00000272462.2	0.00620011	9.74E-11	3.20E-07	9.13E-09	<i>U91328.1</i>
SAT	Obesity	ENSG00000272810.1	0.012765556	1.17E-06	0.003824967	4.78E-05	<i>U91328.3</i>
SAT	Obesity	ENSG00000272849.1	-0.013210136	8.14E-05	0.267005293	0.001722615	<i>AC084018.1</i>
SAT	Obesity	ENSG00000272983.1	0.006312931	0.001378029	1	0.017891113	<i>ALI17339.4</i>
SAT	T2DM	ENSG00000001617.7	-0.013863778	6.88E-07	0.00225809	7.79E-05	<i>SEMA3F</i>
SAT	T2DM	ENSG00000004534.10	-0.003577609	4.45E-08	0.00014607	7.69E-06	<i>RBM6</i>
SAT	T2DM	ENSG00000005801.12	-0.006617526	0.002217804	1	0.046347863	<i>ZNF195</i>
SAT	T2DM	ENSG00000005955.8	-0.012592564	1.07E-06	0.003526712	0.000106008	<i>GGNBP2</i>
SAT	T2DM	ENSG000000011523.9	0.009685503	1.30E-09	4.27E-06	3.88E-07	<i>CEP68</i>
SAT	T2DM	ENSG00000037042.8	-0.008438161	8.64E-09	2.84E-05	1.89E-06	<i>TUBG2</i>
SAT	T2DM	ENSG000000055955.11	0.005069829	8.08E-06	0.026524702	0.000616854	<i>ITIH4</i>
SAT	T2DM	ENSG00000073578.12	0.007950359	0.001623325	1	0.038043789	<i>SDHA</i>
SAT	T2DM	ENSG00000077454.11	-0.0097606	0.000826357	1	0.022976928	<i>LRCH4</i>
SAT	T2DM	ENSG00000086300.11	-0.00266472	0.002305003	1	0.04726697	<i>SNX10</i>
SAT	T2DM	ENSG00000090621.9	-0.010199365	4.84E-09	1.59E-05	1.32E-06	<i>PABPC4</i>
SAT	T2DM	ENSG000000091542.8	-0.006546398	0.001923171	1	0.042924658	<i>ALKBH5</i>
SAT	T2DM	ENSG000000095485.12	-0.004145869	0.000116582	0.382504977	0.006169435	<i>WTF19L1</i>
SAT	T2DM	ENSG00000100554.7	-0.006834148	0.002182666	1	0.046202111	<i>ATP6V1D</i>
SAT	T2DM	ENSG00000103479.10	0.005968393	0.000103084	0.338217801	0.005636963	<i>RBL2</i>
SAT	T2DM	ENSG00000104313.13	0.012642704	5.81E-05	0.190500555	0.003342115	<i>EYA1</i>
SAT	T2DM	ENSG00000104983.4	-0.009516049	0.002453157	1	0.049078097	<i>CCDC61</i>
SAT	T2DM	ENSG00000105726.12	0.010072453	3.35E-07	0.00109771	4.39E-05	<i>ATP13A1</i>
SAT	T2DM	ENSG00000108272.9	-0.009691314	0.001494322	1	0.035528039	<i>DHRS11</i>
SAT	T2DM	ENSG00000108786.6	-0.006287933	4.33E-07	0.001419967	5.46E-05	<i>HSD17B1</i>
SAT	T2DM	ENSG00000111328.2	0.005797116	0.000157002	0.515123491	0.007465558	<i>CDK2AP1</i>
SAT	T2DM	ENSG00000111405.4	-0.01080823	0.001221232	1	0.03058673	<i>ENDOU</i>
SAT	T2DM	ENSG00000112276.9	-0.007507599	0.000795578	1	0.022502521	<i>BVES</i>
SAT	T2DM	ENSG00000115216.9	-0.012517983	1.10E-06	0.00360427	0.000106008	<i>NRBP1</i>
SAT	T2DM	ENSG00000115241.9	-0.017350357	5.63E-07	0.001848242	6.85E-05	<i>PPM1G</i>
SAT	T2DM	ENSG00000115561.10	-0.007128692	8.31E-06	0.027276679	0.000619925	<i>CHMP3</i>
SAT	T2DM	ENSG00000116157.5	-0.004089796	0.000522272	1	0.017443267	<i>GPX7</i>
SAT	T2DM	ENSG00000117280.8	-0.006470487	0.00087419	1	0.02388211	<i>RAB29</i>
SAT	T2DM	ENSG00000117877.6	-0.011242562	3.46E-05	0.11356699	0.002142773	<i>CD3EAP</i>
SAT	T2DM	ENSG00000118402.5	0.008852682	0.001784718	1	0.041237037	<i>ELOVL4</i>
SAT	T2DM	ENSG00000118997.9	-0.006658492	1.58E-05	0.051805649	0.001079284	<i>DNAH7</i>
SAT	T2DM	ENSG00000119242.4	-0.008704039	0.001092614	1	0.028006763	<i>CCDC92</i>
SAT	T2DM	ENSG00000120093.7	-0.010853055	4.04E-05	0.13249544	0.002409008	<i>HOXB3</i>
SAT	T2DM	ENSG00000120907.13	0.00516668	0.00017625	0.578276043	0.007915801	<i>ADRA1A</i>
SAT	T2DM	ENSG00000121101.11	0.01520349	0.000139356	0.457225544	0.007034239	<i>TEX14</i>
SAT	T2DM	ENSG00000122565.14	-0.009172875	0.002298328	1	0.04726697	<i>CBX3</i>
SAT	T2DM	ENSG00000125388.15	0.003433887	0.000550713	1	0.017889978	<i>GRK4</i>
SAT	T2DM	ENSG00000125510.11	-0.014133872	8.82E-06	0.028932799	0.000642951	<i>OPRL1</i>
SAT	T2DM	ENSG00000126464.9	0.006675611	0.000579248	1	0.018451582	<i>PRR12</i>
SAT	T2DM	ENSG00000127957.12	-0.00788538	7.86E-06	0.025800735	0.000616854	<i>PMS2P3</i>
SAT	T2DM	ENSG00000130299.12	-0.010148613	0.000753815	1	0.021784317	<i>GTPBP3</i>
SAT	T2DM	ENSG00000130921.3	0.01408891	0.000284236	0.932579375	0.011102135	<i>C12orf65</i>
SAT	T2DM	ENSG00000133059.12	-0.010887152	0.000479707	1	0.016743803	<i>DSTYK</i>
SAT	T2DM	ENSG00000133069.10	-0.010980008	0.001451392	1	0.035014826	<i>TMCC2</i>
SAT	T2DM	ENSG00000135124.10	0.009713098	0.001783086	1	0.041237037	<i>P2RX4</i>
SAT	T2DM	ENSG00000135213.8	-0.010556163	0.00215827	1	0.045982358	<i>POM121C</i>
SAT	T2DM	ENSG00000135926.8	-0.008567417	0.00117389	1	0.029627177	<i>TMBIM1</i>
SAT	T2DM	ENSG00000137692.7	-0.010706914	0.002278346	1	0.04726697	<i>DCUN1D5</i>
SAT	T2DM	ENSG00000137877.8	0.006913277	4.58E-05	0.150223138	0.002682556	<i>SPTBN5</i>
SAT	T2DM	ENSG00000138380.13	0.007732662	0.000692483	1	0.020654882	<i>CARF</i>
SAT	T2DM	ENSG00000140400.10	-0.002683741	2.71E-05	0.088802867	0.001741233	<i>MAN2C1</i>
SAT	T2DM	ENSG00000141252.15	-0.008512236	0.001507941	1	0.035593926	<i>VPS53</i>
SAT	T2DM	ENSG00000141452.5	-0.010271222	0.000139168	0.456610212	0.007034239	<i>RMCI</i>
SAT	T2DM	ENSG00000141458.8	-0.016496106	6.72E-06	0.022050538	0.000551263	<i>NPC1</i>
SAT	T2DM	ENSG00000142082.10	0.011893462	0.000657135	1	0.020150083	<i>SIRT3</i>
SAT	T2DM	ENSG00000144426.14	0.006433177	0.000537973	1	0.017650906	<i>NBEAL1</i>
SAT	T2DM	ENSG00000144837.4	-0.010376661	0.002117199	1	0.045402166	<i>PLA1A</i>
SAT	T2DM	ENSG00000145692.10	-0.006732713	0.000146114	0.47939969	0.007155219	<i>BHMT</i>
SAT	T2DM	ENSG00000145725.15	-0.006580033	0.000107702	0.353371784	0.00579298	<i>PIIP5K2</i>
SAT	T2DM	ENSG00000147419.12	0.01278381	0.000526328	1	0.017443267	<i>CCDC25</i>
SAT	T2DM	ENSG00000149084.7	-0.004106791	1.56E-08	5.13E-05	3.02E-06	<i>HSD17B12</i>
SAT	T2DM	ENSG00000149089.8	-0.002671892	0.000177104	0.581077911	0.007915801	<i>APIP</i>
SAT	T2DM	ENSG00000149100.8	-0.01074334	0.00052045	1	0.017443267	<i>EIF3M</i>
SAT	T2DM	ENSG00000152219.4	-0.017485382	2.53E-07	0.000831215	3.78E-05	<i>ARL14EP</i>

SAT	T2DM	ENSG00000152359.10	-0.006056154	0.00021619	0.709320725	0.008866509	<i>POC5</i>
SAT	T2DM	ENSG00000153814.7	-0.030376449	4.27E-20	1.40E-16	7.01E-17	<i>JAZF1</i>
SAT	T2DM	ENSG00000154743.13	0.017878585	9.90E-07	0.003248084	0.000101503	<i>TSEN2</i>
SAT	T2DM	ENSG00000156170.8	-0.016521721	1.93E-06	0.006326733	0.000170993	<i>NDUFAF6</i>
SAT	T2DM	ENSG00000157322.12	-0.008630266	1.41E-08	4.62E-05	2.89E-06	<i>CLEC18A</i>
SAT	T2DM	ENSG00000157823.12	0.01008056	2.06E-10	6.75E-07	7.50E-08	<i>AP3S2</i>
SAT	T2DM	ENSG00000157895.7	0.008244396	0.002391751	1	0.048440335	<i>C12orf43</i>
SAT	T2DM	ENSG00000158022.6	0.008938048	0.001246439	1	0.030981575	<i>TRIM63</i>
SAT	T2DM	ENSG00000158805.7	-0.011960323	0.000663539	1	0.020157979	<i>ZNF276</i>
SAT	T2DM	ENSG00000160305.13	-0.003819469	0.000924495	1	0.024461847	<i>DIP2A</i>
SAT	T2DM	ENSG00000160752.10	0.008288002	0.001425443	1	0.034643551	<i>FDP5</i>
SAT	T2DM	ENSG00000163554.7	-0.004731584	0.001957923	1	0.04311373	<i>SPTA1</i>
SAT	T2DM	ENSG00000163596.12	-0.008063438	0.000647759	1	0.020049966	<i>ICAIL</i>
SAT	T2DM	ENSG00000163933.5	-0.013881391	3.06E-06	0.01002652	0.00025709	<i>RFT1</i>
SAT	T2DM	ENSG00000164039.10	-0.007884558	0.000226619	0.743536175	0.009067514	<i>BDH2</i>
SAT	T2DM	ENSG00000164068.11	0.005593034	7.77E-07	0.002549988	8.50E-05	<i>RNF123</i>
SAT	T2DM	ENSG00000165178.8	0.008567005	0.000337276	1	0.012719579	<i>NCF1C</i>
SAT	T2DM	ENSG00000165476.8	-0.009987297	0.001040586	1	0.027096531	<i>REEP3</i>
SAT	T2DM	ENSG00000166166.8	-0.018927237	1.21E-06	0.003985083	0.00011386	<i>TRMT61A</i>
SAT	T2DM	ENSG00000166228.4	-0.005505975	0.000100125	0.328511268	0.005567988	<i>PCBD1</i>
SAT	T2DM	ENSG00000166278.10	0.024372167	4.09E-10	1.34E-06	1.34E-07	<i>C2</i>
SAT	T2DM	ENSG00000167397.10	-0.010563625	0.000712619	1	0.021063983	<i>VKORC1</i>
SAT	T2DM	ENSG00000167528.8	0.004282132	0.002053439	1	0.044324557	<i>ZNF641</i>
SAT	T2DM	ENSG00000167930.11	0.010084309	0.001369172	1	0.033524284	<i>FAM234A</i>
SAT	T2DM	ENSG00000168056.10	0.012769173	1.23E-05	0.040477346	0.000879942	<i>LTPB3</i>
SAT	T2DM	ENSG00000168297.11	0.011931414	0.00013185	0.432600303	0.006866671	<i>PXK</i>
SAT	T2DM	ENSG00000168394.9	-0.020981175	3.11E-07	0.001019733	4.27E-05	<i>TAP1</i>
SAT	T2DM	ENSG00000169047.5	-0.021691044	9.08E-27	2.98E-23	2.98E-23	<i>IRSI</i>
SAT	T2DM	ENSG00000169592.10	-0.008748142	0.00066968	1	0.020157979	<i>INO80E</i>
SAT	T2DM	ENSG00000170092.10	0.009253523	0.000888027	1	0.02388211	<i>SPDYE5</i>
SAT	T2DM	ENSG00000170571.7	-0.011490758	0.000149476	0.490429576	0.0072122	<i>EMB</i>
SAT	T2DM	ENSG00000171700.9	-0.010304365	1.92E-07	0.000630005	3.00E-05	<i>RGS19</i>
SAT	T2DM	ENSG00000171723.11	-0.008499984	0.001473412	1	0.035286615	<i>GPHN</i>
SAT	T2DM	ENSG00000172037.9	-0.014704348	1.69E-05	0.055375348	0.001130109	<i>LAMB2</i>
SAT	T2DM	ENSG00000172247.3	-0.003578355	0.000181017	0.593917686	0.007918902	<i>CIQTNF4</i>
SAT	T2DM	ENSG00000172543.3	-0.003385476	0.000306776	1	0.011703861	<i>CTSW</i>
SAT	T2DM	ENSG00000172803.13	0.008087772	0.001016605	1	0.02668384	<i>SNX32</i>
SAT	T2DM	ENSG00000172922.4	-0.007151218	0.000373167	1	0.013904485	<i>RNASEH2C</i>
SAT	T2DM	ENSG00000173511.5	-0.010204495	7.92E-06	0.025977457	0.000616854	<i>VEGFB</i>
SAT	T2DM	ENSG00000173917.9	-0.010216653	3.29E-05	0.108050295	0.00207789	<i>HOXB2</i>
SAT	T2DM	ENSG00000178750.2	0.013753047	3.93E-05	0.128813535	0.002385436	<i>STX19</i>
SAT	T2DM	ENSG00000179115.6	-0.018761635	1.76E-06	0.005777528	0.000160487	<i>FARSA</i>
SAT	T2DM	ENSG00000179218.9	0.016134776	2.47E-05	0.081142261	0.001622845	<i>CALR</i>
SAT	T2DM	ENSG00000179344.12	-0.021114411	1.81E-17	5.95E-14	1.19E-14	<i>HLA-DQB1</i>
SAT	T2DM	ENSG00000182986.8	0.00241538	0.000850163	1	0.023440218	<i>ZNF320</i>
SAT	T2DM	ENSG00000183779.5	-0.013884825	7.34E-05	0.240953174	0.004154365	<i>ZNF703</i>
SAT	T2DM	ENSG00000184110.10	0.007330762	0.000513324	1	0.017443267	<i>EIF3C</i>
SAT	T2DM	ENSG00000185904.7	0.013997654	0.000398163	1	0.014515254	<i>LINC00839</i>
SAT	T2DM	ENSG00000187166.1	0.005259317	0.000900876	1	0.024030683	<i>HIFNT</i>
SAT	T2DM	ENSG00000187778.9	0.010329279	0.001334187	1	0.032913296	<i>MCRSI</i>
SAT	T2DM	ENSG00000189398.5	-0.011921477	0.002197185	1	0.046211307	<i>OR7E12P</i>
SAT	T2DM	ENSG00000196126.6	-0.019941051	6.22E-15	2.04E-11	3.40E-12	<i>HLA-DRB1</i>
SAT	T2DM	ENSG00000196301.3	0.005486191	0.000198598	0.651601144	0.008353861	<i>HLA-DRB9</i>
SAT	T2DM	ENSG00000196693.10	-0.005365702	0.000302358	0.992037426	0.011671029	<i>ZNF33B</i>
SAT	T2DM	ENSG00000196735.7	-0.020890058	3.12E-07	0.001023699	4.27E-05	<i>HLA-DQA1</i>
SAT	T2DM	ENSG00000198056.9	-0.011622507	0.000190716	0.625737671	0.008126463	<i>PRIMI</i>
SAT	T2DM	ENSG00000198453.8	0.011663646	0.000576629	1	0.018451582	<i>ZNF568</i>
SAT	T2DM	ENSG00000198502.5	-0.004305764	5.90E-09	1.93E-05	1.49E-06	<i>HLA-DRB5</i>
SAT	T2DM	ENSG00000203778.3	-0.006224663	0.002443005	1	0.049078097	<i>FAM229B</i>
SAT	T2DM	ENSG00000203896.5	-0.00878028	0.000414025	1	0.014927653	<i>LIME1</i>
SAT	T2DM	ENSG00000204237.4	0.011763735	0.001892657	1	0.042826271	<i>OXLD1</i>
SAT	T2DM	ENSG00000204287.9	0.016376081	1.92E-12	6.29E-09	8.99E-10	<i>HLA-DRA</i>
SAT	T2DM	ENSG00000204301.5	-0.004695628	0.000185278	0.60789703	0.007998645	<i>NOTCH4</i>
SAT	T2DM	ENSG00000204314.6	0.008235503	0.000756907	1	0.021784317	<i>PRTI1</i>
SAT	T2DM	ENSG00000204356.7	0.004486265	0.002045166	1	0.044324557	<i>NELFE</i>
SAT	T2DM	ENSG00000204622.6	0.004733168	0.000635715	1	0.019864578	<i>HLA-J</i>
SAT	T2DM	ENSG00000205583.9	-0.00497456	0.000178534	0.585769251	0.007915801	<i>STAG3L1</i>
SAT	T2DM	ENSG00000205659.6	0.010955873	0.000144489	0.474067449	0.007155219	<i>LIN52</i>
SAT	T2DM	ENSG00000206344.6	0.005055507	6.55E-09	2.15E-05	1.54E-06	<i>HCG27</i>

SAT	T2DM	ENSG00000213221.4	0.003403743	0.000220247	0.722631981	0.008921382	<i>DNLZ</i>
SAT	T2DM	ENSG00000213445.4	0.008898475	0.001939189	1	0.042989733	<i>SIPAI</i>
SAT	T2DM	ENSG00000214530.3	0.005550129	6.84E-07	0.002242801	7.79E-05	<i>STARD10</i>
SAT	T2DM	ENSG00000223756.2	-0.008990418	0.000477069	1	0.016743803	<i>TSSC2</i>
SAT	T2DM	ENSG00000226232.4	-0.00584521	2.15E-06	0.007053608	0.000185621	<i>NPIPB14P</i>
SAT	T2DM	ENSG00000229391.3	0.008091424	8.37E-19	2.75E-15	6.87E-16	<i>HLA-DRB6</i>
SAT	T2DM	ENSG00000230953.2	-0.012245204	0.0008858	1	0.02388211	<i>AC099677.1</i>
SAT	T2DM	ENSG00000231852.2	0.008232738	1.45E-10	4.77E-07	5.96E-08	<i>CYP21A2</i>
SAT	T2DM	ENSG00000232629.4	0.003935256	0.000513624	1	0.017443267	<i>HLA-DQB2</i>
SAT	T2DM	ENSG00000234745.5	0.005415548	0.000774385	1	0.022093539	<i>HLA-B</i>
SAT	T2DM	ENSG00000235081.1	0.013949428	0.000160757	0.527443844	0.007534912	<i>AC245052.3</i>
SAT	T2DM	ENSG00000237541.3	0.015958949	2.37E-19	7.78E-16	2.59E-16	<i>HLA-DQA2</i>
SAT	T2DM	ENSG00000237984.2	-0.012012966	0.002022664	1	0.044242401	<i>PTENP1</i>
SAT	T2DM	ENSG00000239557.1	0.013347882	0.001069611	1	0.027633033	<i>AC092045.1</i>
SAT	T2DM	ENSG00000240053.8	-0.002891715	0.000813283	1	0.022806667	<i>LY6G5B</i>
SAT	T2DM	ENSG00000242600.2	0.007494306	0.000377171	1	0.013904485	<i>MBLIP</i>
SAT	T2DM	ENSG00000243708.4	0.007790519	7.96E-08	0.000261306	1.31E-05	<i>PLA2G4B</i>
SAT	T2DM	ENSG00000243789.6	0.012237843	1.70E-08	5.58E-05	3.10E-06	<i>JMJD7</i>
SAT	T2DM	ENSG00000244731.3	-0.003275887	0.00061449	1	0.01938597	<i>C4A</i>
SAT	T2DM	ENSG00000246523.3	-0.009384865	0.000249517	0.818666916	0.009863457	<i>AP001528.1</i>
SAT	T2DM	ENSG00000248290.1	-0.003314308	0.001123645	1	0.028578911	<i>TNXA</i>
SAT	T2DM	ENSG00000248508.2	-0.0027959	0.001917041	1	0.042924658	<i>SRP14-AS1</i>
SAT	T2DM	ENSG00000253813.1	0.009787827	0.000168546	0.553000121	0.007788734	<i>COX6B1P4</i>
SAT	T2DM	ENSG00000253816.2	-0.008584446	0.001849214	1	0.042133826	<i>AC138866.1</i>
SAT	T2DM	ENSG00000255837.1	0.005540255	0.002337558	1	0.047636824	<i>TAS2R20</i>
SAT	T2DM	ENSG00000256269.2	0.008941795	1.30E-05	0.042528908	0.00090487	<i>HMBS</i>
SAT	T2DM	ENSG00000258602.1	0.008401555	0.001834147	1	0.042082781	<i>LINC01629</i>
SAT	T2DM	ENSG00000260274.1	-0.004355848	0.000754512	1	0.021784317	<i>AC068338.2</i>
SAT	T2DM	ENSG00000269963.1	-0.010854846	0.000471353	1	0.016743803	<i>RP11-73M18.9</i>
SAT	T2DM	ENSG00000271751.1	-0.012763378	0.000214351	0.703285433	0.008866509	<i>AP003392.5</i>
SAT	T2DM	ENSG00000272221.1	-0.003500896	8.04E-07	0.002638428	8.51E-05	<i>AL645933.2</i>
VAT	CAD	ENSG00000065060.12	0.009810803	1.95E-05	0.05385302	0.007693289	<i>UHRF1BP1</i>
VAT	CAD	ENSG00000075131.5	0.006251613	0.000466712	1	0.046004441	<i>TIPIN</i>
VAT	CAD	ENSG00000076258.5	0.025622051	1.10E-06	0.003025279	0.003025279	<i>FMO4</i>
VAT	CAD	ENSG00000096433.6	0.020081689	4.16E-05	0.114698821	0.01980972	<i>ITPR3</i>
VAT	CAD	ENSG00000099194.5	-0.018341918	0.00027817	0.767749716	0.039904475	<i>SCD</i>
VAT	CAD	ENSG00000124562.5	-0.014057385	5.27E-06	0.014531976	0.004843992	<i>SNRPC</i>
VAT	CAD	ENSG00000124678.13	0.00969274	0.000219026	0.604512875	0.036785468	<i>TCP11</i>
VAT	CAD	ENSG00000125388.15	0.004418933	0.000134467	0.371129216	0.030927435	<i>GRK4</i>
VAT	CAD	ENSG00000137700.12	0.014481071	0.000239905	0.662138421	0.036785468	<i>SLC37A4</i>
VAT	CAD	ENSG00000142046.10	0.006925661	0.000464319	1	0.046004441	<i>TMEM91</i>
VAT	CAD	ENSG00000143156.9	-0.019881519	1.06E-05	0.029268992	0.005853798	<i>NME7</i>
VAT	CAD	ENSG00000143437.16	-0.020124143	2.81E-06	0.007754379	0.003877189	<i>ARNT</i>
VAT	CAD	ENSG00000145020.10	-0.004064887	0.000462106	1	0.046004441	<i>AMT</i>
VAT	CAD	ENSG00000145029.7	-0.010317138	8.69E-06	0.023995893	0.005853798	<i>NICN1</i>
VAT	CAD	ENSG00000147912.8	0.018532452	0.000184364	0.508845362	0.036346097	<i>FBXO10</i>
VAT	CAD	ENSG00000149084.7	-0.003166097	0.000344369	0.950459604	0.045259981	<i>HSD17B12</i>
VAT	CAD	ENSG00000164068.11	0.007582051	5.63E-05	0.155480705	0.01413461	<i>RNF123</i>
VAT	CAD	ENSG00000164078.8	0.016993804	0.000424326	1	0.046004441	<i>MSTIR</i>
VAT	CAD	ENSG00000168038.6	-0.009215448	0.000458117	1	0.046004441	<i>ULK4</i>
VAT	CAD	ENSG00000172171.6	0.015110598	0.000434669	1	0.046004441	<i>TEFM</i>
VAT	CAD	ENSG00000176390.10	0.011224395	0.000236388	0.652429738	0.036785468	<i>CRLF3</i>
VAT	CAD	ENSG00000182511.7	-0.020943249	1.62E-05	0.044595926	0.007432654	<i>FES</i>
VAT	CAD	ENSG00000197081.8	-0.016731292	0.000235133	0.648967561	0.036785468	<i>IGF2R</i>
VAT	CAD	ENSG00000198270.8	-0.006136444	4.34E-05	0.119809717	0.01980972	<i>TMEM116</i>
VAT	CAD	ENSG00000213689.5	0.005765023	0.000157498	0.43469332	0.033437948	<i>TREX1</i>
VAT	CAD	ENSG00000232546.1	0.01548887	0.000390065	1	0.046004441	<i>AC027644.1</i>
VAT	CAD	ENSG00000264538.2	0.008827264	0.000289163	0.798089493	0.039904475	<i>SUZ12P1</i>
VAT	CAD	ENSG00000271581.1	0.023614225	2.33E-05	0.064232601	0.008029075	<i>AL671883.2</i>
VAT	HTN	ENSG00000003056.3	-0.014436469	0.000613716	1	0.010782341	<i>M6PR</i>
VAT	HTN	ENSG00000004534.10	-0.006086854	1.99E-06	0.005496049	9.32E-05	<i>RBM6</i>
VAT	HTN	ENSG00000007341.14	-0.006477727	0.003558723	1	0.038367481	<i>ST7L</i>
VAT	HTN	ENSG00000011021.17	-0.015618201	0.000757784	1	0.012558459	<i>CLCN6</i>
VAT	HTN	ENSG00000011523.9	0.025960075	5.87E-09	1.62E-05	7.05E-07	<i>CEP68</i>
VAT	HTN	ENSG00000026297.11	-0.015888392	0.000598582	1	0.0105903	<i>RNASET2</i>
VAT	HTN	ENSG00000035115.17	-0.017914326	0.004842032	1	0.047871715	<i>SH3YL1</i>
VAT	HTN	ENSG00000053900.6	0.03037532	2.76E-06	0.007604112	0.000122647	<i>ANAPC4</i>
VAT	HTN	ENSG00000054282.11	0.016860718	1.13E-09	3.13E-06	1.96E-07	<i>SDCCAG8</i>
VAT	HTN	ENSG00000054523.12	0.0134713	0.001459642	1	0.020346524	<i>KIF1B</i>

VAT	HTN	ENSG00000055955.11	0.006188632	0.000587165	1	0.010523222	<i>ITIH4</i>	
VAT	HTN	ENSG00000060642.6	-0.013744181	7.72E-06	0.021306112	0.000304373	<i>PIGV</i>	
VAT	HTN	ENSG00000063854.8	0.012769881	0.004402121	1	0.045335274	<i>HAGH</i>	
VAT	HTN	ENSG00000064703.7	0.015731658	0.003102519	1	0.035094067	<i>DDX20</i>	
VAT	HTN	ENSG00000065060.12	0.015085408	5.94E-07	0.001640668	3.57E-05	<i>UHRF1BPI</i>	
VAT	HTN	ENSG00000068654.11	-0.010589934	0.000116404	0.321274738	0.002920679	<i>POLR1A</i>	
VAT	HTN	ENSG00000072134.11	-0.009262975	0.005207901	1	0.049909048	<i>EPN2</i>	
VAT	HTN	ENSG00000085788.9	0.024023548	0.000368259	1	0.007509216	<i>DDHD2</i>	
VAT	HTN	ENSG00000086300.11	-0.025945959	5.00E-07	0.001381076	3.21E-05	<i>SNX10</i>	
VAT	HTN	ENSG00000087884.10	-0.012525241	1.58E-05	0.043687445	0.0005537	<i>AAMDC</i>	
VAT	HTN	ENSG00000090238.7	0.011124264	7.01E-05	0.193426872	0.001877931	<i>YPEL3</i>	
VAT	HTN	ENSG00000090432.5	-0.011893479	0.001632879	1	0.022200719	<i>MUL1</i>	
VAT	HTN	ENSG00000090621.9	-0.025705075	6.19E-07	0.00170878	3.59E-05	<i>PABPC4</i>	
VAT	HTN	ENSG00000096433.6	0.022233942	0.000559331	1	0.01022353	<i>ITPR3</i>	
VAT	HTN	ENSG00000099194.5	-0.032585712	9.09E-07	0.002509849	4.92E-05	<i>SCD</i>	
VAT	HTN	ENSG00000099785.6	0.018548725	2.55E-06	0.007032594	0.000115288		<i>Mar-02</i>
VAT	HTN	ENSG00000099810.14	-0.021329957	0.001144542	1	0.017356783	<i>MTAP</i>	
VAT	HTN	ENSG00000100296.9	-0.009063054	0.003289731	1	0.03661152	<i>THOC5</i>	
VAT	HTN	ENSG00000100731.11	0.014228113	0.002001062	1	0.02592925	<i>PCNX1</i>	
VAT	HTN	ENSG00000101197.8	-0.008729988	0.000704844	1	0.011790119	<i>BIRC7</i>	
VAT	HTN	ENSG00000101363.8	0.011734164	0.001019443	1	0.015896399	<i>MANBAL</i>	
VAT	HTN	ENSG00000101457.8	-0.007893189	0.000536767	1	0.009876517	<i>DNTTIP1</i>	
VAT	HTN	ENSG00000101751.6	-0.007132759	0.000117947	0.325532956	0.002932729	<i>POLI</i>	
VAT	HTN	ENSG00000102858.8	0.028490531	1.08E-05	0.029759491	0.000398011	<i>MGRN1</i>	
VAT	HTN	ENSG00000103248.13	0.007192925	0.000205929	0.568363248	0.004620839	<i>MTHFSD</i>	
VAT	HTN	ENSG00000105376.4	-0.018124687	0.002318426	1	0.028299946	<i>ICAM5</i>	
VAT	HTN	ENSG00000105404.6	0.019801353	0.000431916	1	0.008481778	<i>RABAC1</i>	
VAT	HTN	ENSG00000106125.14	-0.015617772	0.00035722	0.98592853	0.007357676	<i>MINDY4</i>	
VAT	HTN	ENSG00000106133.13	-0.007438194	0.004946346	1	0.04823998	<i>NSUN5P2</i>	
VAT	HTN	ENSG00000106290.10	-0.01106594	0.000627395	1	0.01082256	<i>TAF6</i>	
VAT	HTN	ENSG00000108384.10	-0.009898587	0.002265272	1	0.027911386	<i>RAD51C</i>	
VAT	HTN	ENSG00000108823.11	0.009972212	0.004609474	1	0.046609665	<i>SGCA</i>	
VAT	HTN	ENSG00000110851.7	0.019025323	0.002030014	1	0.02616009	<i>PRDM4</i>	
VAT	HTN	ENSG00000111801.11	-0.011292018	0.001364446	1	0.019312157	<i>BTN3A3</i>	
VAT	HTN	ENSG00000112514.11	-0.009453532	0.003469241	1	0.037846263	<i>CUTA</i>	
VAT	HTN	ENSG00000112981.3	0.014248781	0.003498247	1	0.037863385	<i>NME5</i>	
VAT	HTN	ENSG00000113269.9	0.021347716	0.000591898	1	0.0105396	<i>RNF130</i>	
VAT	HTN	ENSG00000113971.14	0.004633868	0.003965148	1	0.041453821	<i>NPHP3</i>	
VAT	HTN	ENSG00000114054.9	0.027634786	3.19E-08	8.79E-05	3.03E-06	<i>PCCB</i>	
VAT	HTN	ENSG00000114904.8	-0.015406724	0.003042937	1	0.034561753	<i>NEK4</i>	
VAT	HTN	ENSG00000116151.9	-0.014737523	0.003418358	1	0.037452727	<i>MORNI</i>	
VAT	HTN	ENSG00000117595.6	-0.01062663	0.004155023	1	0.043120641	<i>IRF6</i>	
VAT	HTN	ENSG00000119673.10	0.007122222	0.001233386	1	0.018203987	<i>ACOT2</i>	
VAT	HTN	ENSG00000120784.11	0.0134399	4.46E-05	0.123172053	0.001353539	<i>ZFP30</i>	
VAT	HTN	ENSG00000121068.9	-0.029878237	3.16E-08	8.72E-05	3.03E-06	<i>TBX2</i>	
VAT	HTN	ENSG00000121101.11	0.03305769	5.78E-08	0.000159627	5.15E-06	<i>TEX14</i>	
VAT	HTN	ENSG00000123374.6	-0.019179059	0.003488427	1	0.037863385	<i>CDK2</i>	
VAT	HTN	ENSG00000124116.14	-0.006986656	0.000319741	0.882485914	0.006685499	<i>WFDC3</i>	
VAT	HTN	ENSG00000124508.12	0.012551606	7.18E-06	0.019815728	0.000295757	<i>BTN2A2</i>	
VAT	HTN	ENSG00000124562.5	-0.017385879	1.85E-05	0.050959501	0.000621457	<i>SNRPC</i>	
VAT	HTN	ENSG00000124613.4	-0.007190347	1.58E-05	0.043742314	0.0005537	<i>GNF391</i>	
VAT	HTN	ENSG00000125388.15	0.004755553	0.0017814	1	0.023983728	<i>GRK4</i>	
VAT	HTN	ENSG00000125734.9	0.011859377	0.002764973	1	0.031797186	<i>GPR108</i>	
VAT	HTN	ENSG00000126088.8	-0.017000916	0.002508269	1	0.029515192	<i>UROD</i>	
VAT	HTN	ENSG00000126602.6	0.007744089	6.69E-07	0.001845691	3.69E-05	<i>TRAP1</i>	
VAT	HTN	ENSG00000127054.14	-0.016257994	0.005179848	1	0.049813175	<i>INTS11</i>	
VAT	HTN	ENSG00000127220.5	-0.018071557	7.72E-06	0.021303445	0.000304373	<i>ABHD8</i>	
VAT	HTN	ENSG00000127957.12	-0.031621955	3.74E-10	1.03E-06	9.39E-08	<i>PMS2P3</i>	
VAT	HTN	ENSG00000128829.7	-0.033653911	6.38E-07	0.001760545	3.59E-05	<i>EIF2AK4</i>	
VAT	HTN	ENSG00000129158.6	0.016781121	0.004873896	1	0.047871715	<i>SERGEF</i>	
VAT	HTN	ENSG00000129465.11	0.013159057	0.004836628	1	0.047871715	<i>RIPK3</i>	
VAT	HTN	ENSG00000130177.10	0.009690131	0.000213236	0.588531121	0.004746219	<i>CDC16</i>	
VAT	HTN	ENSG00000130270.12	-0.011239777	0.000524748	1	0.00978584	<i>ATP8B3</i>	
VAT	HTN	ENSG00000130517.9	0.010770891	0.000486849	1	0.009203456	<i>PGPEP1</i>	
VAT	HTN	ENSG00000130529.11	-0.02297061	0.000164611	0.45432554	0.003883124	<i>TRPM4</i>	
VAT	HTN	ENSG00000131351.10	-0.030868495	9.48E-09	2.62E-05	1.01E-06	<i>HAUS8</i>	
VAT	HTN	ENSG00000131558.10	0.024887855	1.13E-05	0.031129284	0.000409596	<i>EXOC4</i>	
VAT	HTN	ENSG00000132781.13	0.015308061	0.003404175	1	0.037452727	<i>MUTYH</i>	
VAT	HTN	ENSG00000133731.5	0.007321745	0.000882772	1	0.014248258	<i>IMPA1</i>	

VAT	HTN	ENSG00000134490.9	-0.01476946	0.003629181	1	0.038649445	<i>TMEM241</i>
VAT	HTN	ENSG00000135213.8	-0.015101053	0.001991015	1	0.025920758	<i>POM121C</i>
VAT	HTN	ENSG00000135744.7	0.014781724	0.000433308	1	0.008481778	<i>AGT</i>
VAT	HTN	ENSG00000135968.15	0.015333689	0.002046295	1	0.02616009	<i>GCC2</i>
VAT	HTN	ENSG00000136448.7	0.012516175	1.00E-07	0.000276708	8.14E-06	<i>NMT1</i>
VAT	HTN	ENSG00000137700.12	0.020879723	5.65E-05	0.156041386	0.001625431	<i>SLC37A4</i>
VAT	HTN	ENSG00000137944.12	-0.013964998	4.95E-05	0.136510167	0.001467851	<i>KYAT3</i>
VAT	HTN	ENSG00000138036.14	0.016823763	0.000898237	1	0.014413569	<i>DYNC2LI1</i>
VAT	HTN	ENSG00000138111.10	-0.004480979	0.003931294	1	0.041256162	<i>MFSID13A</i>
VAT	HTN	ENSG00000138175.8	0.00967805	0.002208517	1	0.027334117	<i>ARL3</i>
VAT	HTN	ENSG00000138600.5	-0.018268991	9.97E-05	0.275132598	0.002547524	<i>SPPL2A</i>
VAT	HTN	ENSG00000138757.10	0.011813418	0.000847698	1	0.01376263	<i>G3BP2</i>
VAT	HTN	ENSG00000138829.6	0.009302379	5.02E-05	0.138459504	0.001472973	<i>FBN2</i>
VAT	HTN	ENSG00000139970.12	0.021779353	0.000964604	1	0.015300617	<i>RTN1</i>
VAT	HTN	ENSG00000140995.12	0.025953668	2.45E-06	0.006767414	0.00011279	<i>DEF8</i>
VAT	HTN	ENSG00000141002.14	0.020060624	0.000513515	1	0.009641504	<i>TCF25</i>
VAT	HTN	ENSG00000141076.13	0.013532439	0.000270062	0.745369792	0.005823201	<i>UTP4</i>
VAT	HTN	ENSG00000141140.12	0.022089763	0.000170718	0.47118188	0.003926516	<i>MYO19</i>
VAT	HTN	ENSG00000141252.15	-0.010839822	0.000623059	1	0.01081537	<i>VPS53</i>
VAT	HTN	ENSG00000141295.9	-0.009624162	0.000576317	1	0.010396302	<i>SCRN2</i>
VAT	HTN	ENSG00000141452.5	-0.026724035	2.11E-07	0.000582427	1.62E-05	<i>RMC1</i>
VAT	HTN	ENSG00000143156.9	-0.020774813	0.000465954	1	0.008993242	<i>NME7</i>
VAT	HTN	ENSG00000143376.8	0.023910938	4.74E-05	0.130908114	0.001422914	<i>SNX27</i>
VAT	HTN	ENSG00000143437.16	-0.01981636	0.000452494	1	0.008794951	<i>ARNT</i>
VAT	HTN	ENSG00000143578.11	-0.033185196	6.25E-07	0.001724726	3.59E-05	<i>CREB3L4</i>
VAT	HTN	ENSG00000144026.7	-0.010864604	0.003919293	1	0.041256162	<i>ZNF514</i>
VAT	HTN	ENSG00000144134.14	-0.012339035	0.00299964	1	0.034210768	<i>RABL2A</i>
VAT	HTN	ENSG00000145029.7	-0.010862837	0.000370019	1	0.007509216	<i>NICN1</i>
VAT	HTN	ENSG00000146109.3	0.010564775	0.001386488	1	0.019524013	<i>ABT1</i>
VAT	HTN	ENSG00000146243.9	0.040421786	3.47E-09	9.57E-06	4.35E-07	<i>IRAK1BP1</i>
VAT	HTN	ENSG00000146409.6	-0.016349595	0.000475881	1	0.009121045	<i>SLC18B1</i>
VAT	HTN	ENSG00000146535.9	-0.018387555	0.004871964	1	0.047871715	<i>GNAI2</i>
VAT	HTN	ENSG00000146556.10	-0.019152099	5.58E-06	0.015397894	0.000233301	<i>WASH2P</i>
VAT	HTN	ENSG00000147576.11	-0.011291414	0.003129322	1	0.035208572	<i>ADHFE1</i>
VAT	HTN	ENSG00000149084.7	-0.007114726	9.58E-10	2.64E-06	1.76E-07	<i>HSD17B12</i>
VAT	HTN	ENSG00000149115.9	0.022104185	7.77E-11	2.15E-07	3.19E-08	<i>TNKS1BP1</i>
VAT	HTN	ENSG00000149292.12	0.010865443	0.001316216	1	0.018920604	<i>TTC12</i>
VAT	HTN	ENSG00000149743.9	-0.014006642	0.001943863	1	0.025547917	<i>TRPT1</i>
VAT	HTN	ENSG00000149922.6	0.007464604	0.001202882	1	0.017861567	<i>TBX6</i>
VAT	HTN	ENSG00000152404.11	0.026778506	5.31E-07	0.001464677	3.33E-05	<i>CWF19L2</i>
VAT	HTN	ENSG00000153113.19	-0.009973963	0.000759878	1	0.012558459	<i>CAST</i>
VAT	HTN	ENSG00000154328.11	0.027251115	3.00E-09	8.27E-06	4.14E-07	<i>NEIL2</i>
VAT	HTN	ENSG00000156103.11	-0.010342704	0.005104541	1	0.049260609	<i>MMP16</i>
VAT	HTN	ENSG00000156219.12	-0.015349849	0.002523763	1	0.029515192	<i>ART3</i>
VAT	HTN	ENSG00000156398.8	0.013910293	2.22E-08	6.13E-05	2.27E-06	<i>SFXN2</i>
VAT	HTN	ENSG00000156603.10	0.012435307	0.00214547	1	0.027038802	<i>MED19</i>
VAT	HTN	ENSG00000156931.11	0.025122024	0.000396288	1	0.007925755	<i>VPS8</i>
VAT	HTN	ENSG00000157322.12	-0.015629608	1.14E-06	0.003152205	5.95E-05	<i>CLEC18A</i>
VAT	HTN	ENSG00000158865.8	-0.012903247	4.98E-07	0.001373478	3.21E-05	<i>SLC5A11</i>
VAT	HTN	ENSG00000160307.5	-0.007848141	3.42E-05	0.094303104	0.001083944	<i>S100B</i>
VAT	HTN	ENSG00000160321.10	-0.026911934	6.05E-05	0.166864959	0.001673444	<i>SPC208</i>
VAT	HTN	ENSG00000160917.10	0.019162732	0.004610304	1	0.046609665	<i>CPSF4</i>
VAT	HTN	ENSG00000161204.7	0.021477399	5.33E-08	0.000147246	4.91E-06	<i>ABCF3</i>
VAT	HTN	ENSG00000162910.14	0.036389154	2.12E-12	5.84E-09	1.46E-09	<i>MRPL55</i>
VAT	HTN	ENSG00000163155.7	-0.013716648	2.93E-05	0.080806686	0.000939613	<i>LYSMD1</i>
VAT	HTN	ENSG00000163933.5	-0.011864279	0.000115418	0.318554636	0.002920679	<i>RFT1</i>
VAT	HTN	ENSG00000164048.9	-0.018786898	3.58E-10	9.88E-07	9.39E-08	<i>ZNF589</i>
VAT	HTN	ENSG00000164068.11	0.016088911	8.09E-11	2.23E-07	3.19E-08	<i>RNF123</i>
VAT	HTN	ENSG00000164078.8	0.026659586	2.62E-05	0.0722686	0.00086034	<i>MST1R</i>
VAT	HTN	ENSG00000164307.8	-0.028689513	7.78E-10	2.15E-06	1.65E-07	<i>ERAP1</i>
VAT	HTN	ENSG00000164308.12	0.002982717	0.001608909	1	0.021983112	<i>ERAP2</i>
VAT	HTN	ENSG00000164967.5	-0.022206807	0.000303822	0.838548284	0.006401132	<i>RPP25L</i>
VAT	HTN	ENSG00000166037.6	-0.017339409	0.000406219	1	0.008065939	<i>CEP57</i>
VAT	HTN	ENSG00000166275.11	-0.004391458	0.003374577	1	0.037404948	<i>BORCS7</i>
VAT	HTN	ENSG00000166394.10	0.015430914	0.002134144	1	0.027019442	<i>CYB5R2</i>
VAT	HTN	ENSG00000166435.11	-0.011768744	0.002433391	1	0.029035437	<i>XRR1</i>
VAT	HTN	ENSG00000166436.11	-0.007140872	2.23E-05	0.061648954	0.000742758	<i>TRIM66</i>
VAT	HTN	ENSG00000166532.11	-0.015627144	9.01E-09	2.49E-05	9.95E-07	<i>RIMKLB</i>
VAT	HTN	ENSG00000166924.4	0.012431282	0.003625568	1	0.038649445	<i>NYAP1</i>

VAT	HTN	ENSG00000166997.3	0.017990096	0.002327568	1	0.028299946	<i>CNPY4</i>
VAT	HTN	ENSG00000167720.8	0.006301657	0.000148943	0.411083252	0.003543821	<i>SRR</i>
VAT	HTN	ENSG00000167780.7	0.020125737	0.001980355	1	0.025904167	<i>SOAT2</i>
VAT	HTN	ENSG00000168268.6	-0.015372171	0.002428767	1	0.029035437	<i>NT5DC2</i>
VAT	HTN	ENSG00000169062.10	0.013586721	0.001304236	1	0.018853119	<i>UPF3A</i>
VAT	HTN	ENSG00000169085.7	0.006684891	0.004483834	1	0.04600514	<i>C8orf46</i>
VAT	HTN	ENSG00000169169.10	0.033536348	1.71E-07	0.000471278	1.35E-05	<i>CPT1C</i>
VAT	HTN	ENSG00000169203.12	0.016338069	0.00364089	1	0.038649445	<i>NPIPBI2</i>
VAT	HTN	ENSG00000169592.10	-0.017371897	5.92E-10	1.64E-06	1.36E-07	<i>INO80E</i>
VAT	HTN	ENSG00000169629.7	-0.004768994	0.000643107	1	0.010956632	<i>RGPD8</i>
VAT	HTN	ENSG00000170092.10	0.023430346	1.08E-05	0.02985082	0.000398011	<i>SPDYE5</i>
VAT	HTN	ENSG00000170464.5	-0.023302668	6.12E-05	0.169017859	0.001673444	<i>DNAJC18</i>
VAT	HTN	ENSG00000170915.8	-0.021919596	0.000768166	1	0.012619862	<i>PAQR8</i>
VAT	HTN	ENSG00000171421.8	0.007969573	0.001535662	1	0.021192141	<i>MRPL36</i>
VAT	HTN	ENSG00000171700.9	-0.019114368	8.64E-09	2.38E-05	9.93E-07	<i>RGS19</i>
VAT	HTN	ENSG00000172113.4	0.034823959	2.39E-10	6.60E-07	7.34E-08	<i>NME6</i>
VAT	HTN	ENSG00000172543.3	-0.005816999	2.79E-05	0.076901305	0.000904721	<i>CTSW</i>
VAT	HTN	ENSG00000172687.9	0.006178265	0.001861907	1	0.024825431	<i>ZN738</i>
VAT	HTN	ENSG00000172746.6	-0.018761422	0.002681202	1	0.030962835	<i>RPL12P13</i>
VAT	HTN	ENSG00000173531.11	-0.019148443	1.96E-06	0.005398782	9.31E-05	<i>MST1</i>
VAT	HTN	ENSG00000174177.8	-0.013140993	0.002539011	1	0.029568232	<i>CTU2</i>
VAT	HTN	ENSG00000174226.4	-0.014456601	5.31E-06	0.014649321	0.000225374	<i>SNX31</i>
VAT	HTN	ENSG00000175305.12	-0.026534476	3.16E-09	8.72E-06	4.15E-07	<i>CCNE2</i>
VAT	HTN	ENSG00000175470.14	-0.018958349	0.000129745	0.358095955	0.003168991	<i>PPP2R2D</i>
VAT	HTN	ENSG00000175772.10	0.006595901	0.001921048	1	0.02536887	<i>LINC01106</i>
VAT	HTN	ENSG00000175826.7	0.023920881	6.80E-05	0.187800466	0.001841181	<i>CTDNEP1</i>
VAT	HTN	ENSG00000175873.3	-0.023320493	0.000286459	0.790626247	0.006128886	
VAT	HTN	ENSG00000175938.6	0.024823631	2.67E-07	0.0007372	1.99E-05	<i>ORAI3</i>
VAT	HTN	ENSG00000176390.10	0.013627104	0.000688572	1	0.011588158	<i>CRLF3</i>
VAT	HTN	ENSG00000177989.9	0.009963788	0.002295659	1	0.028160079	<i>ODF3B</i>
VAT	HTN	ENSG00000178295.10	-0.006428811	0.001473277	1	0.020433384	<i>GEN1</i>
VAT	HTN	ENSG00000178718.5	0.019624096	1.69E-06	0.004655314	8.17E-05	<i>RPP25</i>
VAT	HTN	ENSG00000178802.13	-0.039154407	3.17E-16	8.75E-13	4.38E-13	<i>MPI</i>
VAT	HTN	ENSG00000178809.7	-0.021405097	0.00061725	1	0.010782341	<i>TRIM73</i>
VAT	HTN	ENSG00000178922.12	-0.015075015	3.21E-07	0.000885577	2.33E-05	<i>HYI</i>
VAT	HTN	ENSG00000178971.9	0.020219322	0.000129469	0.357333559	0.003168991	<i>CTCI</i>
VAT	HTN	ENSG00000181915.3	0.02682806	9.21E-10	2.54E-06	1.76E-07	<i>ADO</i>
VAT	HTN	ENSG00000182372.6	0.015457026	1.01E-05	0.027931652	0.00038794	<i>CLN8</i>
VAT	HTN	ENSG00000182511.7	-0.057621909	1.85E-19	5.10E-16	5.10E-16	<i>FES</i>
VAT	HTN	ENSG00000182950.2	-0.01557673	0.004784588	1	0.047845877	<i>ODF3L1</i>
VAT	HTN	ENSG00000182986.8	0.004887177	0.000167468	0.462211183	0.003884128	<i>ZN7320</i>
VAT	HTN	ENSG00000183336.7	-0.00716313	0.002419213	1	0.029035437	<i>BOLA2</i>
VAT	HTN	ENSG00000184254.12	-0.018675479	0.001871844	1	0.024837926	<i>ALDH1A3</i>
VAT	HTN	ENSG00000184385.2	-0.007372578	0.000134418	0.370993697	0.003226032	<i>UMODL1-AS1</i>
VAT	HTN	ENSG00000184389.8	-0.014336584	6.10E-05	0.168402426	0.001673444	<i>A3GALT2</i>
VAT	HTN	ENSG00000184923.8	-0.014816068	8.94E-05	0.246769884	0.002350189	<i>NUTM2A</i>
VAT	HTN	ENSG00000185324.17	-0.00611147	9.57E-05	0.264044941	0.00249099	<i>CDK10</i>
VAT	HTN	ENSG00000186409.10	0.012580776	0.001568897	1	0.021543064	<i>CCDC30</i>
VAT	HTN	ENSG00000187961.9	0.018604659	0.001333686	1	0.019072397	<i>KLHL17</i>
VAT	HTN	ENSG00000188227.8	-0.010289932	0.004858443	1	0.047871715	<i>ZN793</i>
VAT	HTN	ENSG00000188321.9	-0.003739548	0.002592641	1	0.030065918	<i>ZN7559</i>
VAT	HTN	ENSG00000188629.7	-0.007601486	0.002517662	1	0.029515192	<i>ZN7177</i>
VAT	HTN	ENSG00000188820.8	-0.012856144	0.004511274	1	0.046115241	<i>CALHM6</i>
VAT	HTN	ENSG00000188878.12	-0.024904316	5.84E-07	0.001610722	3.57E-05	<i>FBF1</i>
VAT	HTN	ENSG00000188895.7	-0.008593308	0.002845242	1	0.032584509	<i>MSL1</i>
VAT	HTN	ENSG00000196126.6	-0.013449141	0.001013548	1	0.01589428	<i>HLA-DRB1</i>
VAT	HTN	ENSG00000196196.2	0.016334738	0.000677174	1	0.011466251	<i>HRCT1</i>
VAT	HTN	ENSG00000196966.3	0.017605868	8.71E-08	0.000240523	7.29E-06	<i>HIST1H3E</i>
VAT	HTN	ENSG00000197020.6	-0.013669018	9.92E-06	0.027365992	0.000385437	<i>ZN7100</i>
VAT	HTN	ENSG00000197062.7	0.006750862	0.002047311	1	0.02616009	<i>ZSCAN26</i>
VAT	HTN	ENSG00000197165.6	0.027677152	1.75E-05	0.048182223	0.000602278	<i>SULT1A2</i>
VAT	HTN	ENSG00000197448.9	-0.013046579	0.002176669	1	0.027158468	<i>GSTK1</i>
VAT	HTN	ENSG00000197479.4	-0.00815183	0.004357087	1	0.045039551	<i>PCDHB11</i>
VAT	HTN	ENSG00000197728.5	-0.010565927	7.68E-06	0.021197798	0.000304373	<i>RPS26</i>
VAT	HTN	ENSG00000197935.6	0.01223798	0.004638576	1	0.046724347	<i>ZN7311</i>
VAT	HTN	ENSG00000198270.8	-0.014758377	7.59E-14	2.10E-10	6.99E-11	<i>TMEM116</i>
VAT	HTN	ENSG00000198502.5	-0.003991385	0.002111705	1	0.026858557	<i>HLA-DRB5</i>
VAT	HTN	ENSG00000198646.9	-0.01029247	0.003580085	1	0.038447603	<i>NCOA6</i>
VAT	HTN	ENSG00000198805.7	-0.00566879	0.002504417	1	0.029515192	<i>PNP</i>

VAT	HTN	ENSG00000198959.7	0.01279104	0.003138155	1	0.035208572	<i>TGM2</i>
VAT	HTN	ENSG00000203896.5	0.018920948	0.002418366	1	0.029035437	<i>LIME1</i>
VAT	HTN	ENSG00000204228.3	-0.021141682	1.24E-05	0.034327773	0.000445815	<i>HSD17B8</i>
VAT	HTN	ENSG00000204314.6	0.01645792	1.40E-06	0.003871101	7.04E-05	<i>PRRT1</i>
VAT	HTN	ENSG00000204338.4	0.009526122	4.73E-06	0.013061283	0.000204083	<i>CYP21A1P</i>
VAT	HTN	ENSG00000204525.10	-0.011705846	1.22E-09	3.37E-06	1.98E-07	<i>HLA-C</i>
VAT	HTN	ENSG00000204531.11	-0.004447967	6.01E-05	0.165869465	0.001673444	<i>POU5F1</i>
VAT	HTN	ENSG00000204536.9	-0.004420997	0.003419597	1	0.037452727	<i>CCHCR1</i>
VAT	HTN	ENSG00000204644.5	-0.003095349	0.005051818	1	0.048922873	<i>ZFP57</i>
VAT	HTN	ENSG00000205269.4	0.017466849	0.004594713	1	0.046609665	<i>TMEM170B</i>
VAT	HTN	ENSG00000205583.9	-0.01188151	3.66E-07	0.001011255	2.59E-05	<i>STAG3L1</i>
VAT	HTN	ENSG00000213347.6	-0.014037221	0.00110906	1	0.016971641	<i>MXD3</i>
VAT	HTN	ENSG00000213676.6	0.021308923	2.01E-09	5.54E-06	3.08E-07	<i>ATF6B</i>
VAT	HTN	ENSG00000213889.6	0.01692696	0.002184486	1	0.027158468	<i>PPM1N</i>
VAT	HTN	ENSG00000214435.3	-0.004504196	0.00110284	1	0.016971641	<i>AS3MT</i>
VAT	HTN	ENSG00000214659.4	0.018114727	0.000253597	0.699928019	0.005511244	<i>KRT8P26</i>
VAT	HTN	ENSG00000215114.3	0.016867918	0.002175309	1	0.027158468	<i>UBXN2B</i>
VAT	HTN	ENSG00000215464.4	-0.021541912	0.000914252	1	0.01458575	<i>AP000354.1</i>
VAT	HTN	ENSG00000218422.2	0.017133271	0.000296595	0.818601578	0.006296935	<i>AC016773.1</i>
VAT	HTN	ENSG00000219392.1	0.006826503	0.005021276	1	0.048798316	<i>ZNF602P</i>
VAT	HTN	ENSG00000221838.5	-0.009109414	0.000484743	1	0.009203456	<i>AP4M1</i>
VAT	HTN	ENSG00000221955.6	0.021125725	0.000641692	1	0.010956632	<i>SLC12A8</i>
VAT	HTN	ENSG00000223496.1	-0.025523639	1.08E-05	0.029798232	0.000398011	<i>EXOSC6</i>
VAT	HTN	ENSG00000223891.1	0.010151684	0.003265261	1	0.036486318	<i>OSER1-ASI</i>
VAT	HTN	ENSG00000224997.1	-0.029175897	1.26E-06	0.003468497	6.42E-05	<i>AL049840.1</i>
VAT	HTN	ENSG00000225190.4	-0.025269174	0.000181269	0.500302769	0.004134734	<i>PLEKHM1</i>
VAT	HTN	ENSG00000225851.1	0.006116839	0.001357756	1	0.019312157	<i>HLA-S</i>
VAT	HTN	ENSG00000226232.4	-0.014427333	0.000564878	1	0.010256997	<i>NPIPB14P</i>
VAT	HTN	ENSG00000228998.3	-0.022118027	0.000977177	1	0.01541147	<i>AC091167.1</i>
VAT	HTN	ENSG00000229391.3	0.006646018	0.000387875	1	0.007814133	<i>HLA-DRB6</i>
VAT	HTN	ENSG00000229759.1	-0.02078691	9.52E-12	2.63E-08	5.26E-09	<i>MRPS18AP1</i>
VAT	HTN	ENSG00000231130.1	0.008282534	0.001304617	1	0.018853119	<i>HLA-T</i>
VAT	HTN	ENSG00000232075.1	0.027416955	4.64E-06	0.012817997	0.00020346	<i>MRPL35P2</i>
VAT	HTN	ENSG00000232112.3	0.017227131	0.000196782	0.543119248	0.004451797	<i>TMA7</i>
VAT	HTN	ENSG00000232561.2	-0.011816634	0.001164057	1	0.017556263	<i>CTZ1P1</i>
VAT	HTN	ENSG00000236397.2	0.008988405	6.11E-05	0.168744883	0.001673444	<i>DDX11L2</i>
VAT	HTN	ENSG00000237541.3	0.009700227	3.73E-05	0.102929593	0.001169654	<i>HLA-DQA2</i>
VAT	HTN	ENSG00000239697.6	0.030800037	6.36E-08	0.000175528	5.49E-06	<i>TNFSF12</i>
VAT	HTN	ENSG00000240399.1	-0.012093917	0.00035009	0.966248806	0.007265029	<i>AC004801.2</i>
VAT	HTN	ENSG00000243789.6	0.009701883	0.001080516	1	0.016754064	<i>JMJD7</i>
VAT	HTN	ENSG00000244219.2	0.018793809	0.000528974	1	0.009798444	<i>TMEM225B</i>
VAT	HTN	ENSG00000244291.1	-0.022530043	0.001112995	1	0.016971641	<i>C7orf13</i>
VAT	HTN	ENSG00000251417.1	-0.014662954	1.79E-05	0.049357219	0.000609348	<i>AL145285.2</i>
VAT	HTN	ENSG00000253981.1	0.029561503	4.21E-07	0.001160993	2.90E-05	<i>ALG1L13P</i>
VAT	HTN	ENSG00000254634.3	-0.01084626	0.004922202	1	0.048174739	<i>SMG1P6</i>
VAT	HTN	ENSG00000254851.1	0.007219913	4.44E-07	0.00122431	2.99E-05	<i>AP005018.2</i>
VAT	HTN	ENSG00000256885.1	-0.011819815	0.00120239	1	0.017861567	<i>AP001877.1</i>
VAT	HTN	ENSG00000257595.2	-0.032837427	1.32E-10	3.66E-07	4.57E-08	<i>LINC02356</i>
VAT	HTN	ENSG00000257877.1	-0.023430993	0.000245211	0.676781124	0.005371279	<i>lnc-MAPKAPK5-1:2</i>
VAT	HTN	ENSG00000258408.1	0.014969565	0.001285527	1	0.018853119	<i>NT5CP2</i>
VAT	HTN	ENSG00000258512.1	0.016695492	0.00139736	1	0.019577232	<i>LINC00239</i>
VAT	HTN	ENSG00000258819.1	-0.021399079	0.00130469	1	0.018853119	<i>LINC02289</i>
VAT	HTN	ENSG00000258908.1	-0.01897303	0.00244066	1	0.029035437	<i>AL355075.3</i>
VAT	HTN	ENSG00000259982.1	0.011351248	0.000166828	0.46044609	0.003884128	<i>CDC37P1</i>
VAT	HTN	ENSG00000260077.1	-0.019854723	0.001203714	1	0.017861567	<i>AC104794.2</i>
VAT	HTN	ENSG00000260265.1	-0.016895465	0.003801161	1	0.04019619	<i>LINC02562</i>
VAT	HTN	ENSG00000260911.1	0.008923882	9.92E-05	0.273706274	0.002547524	<i>AC135050.3</i>
VAT	HTN	ENSG00000260947.1	-0.003906959	0.00415583	1	0.043120641	<i>AL356489.2</i>
VAT	HTN	ENSG00000261556.4	-0.010289515	7.77E-05	0.214523256	0.002062724	<i>SMG1P7</i>
VAT	HTN	ENSG00000264538.2	0.013184949	3.84E-05	0.105944873	0.001190392	<i>SUZ12P1</i>
VAT	HTN	ENSG00000266912.1	-0.011414405	0.001848189	1	0.02476215	<i>CTC-325H20.2</i>
VAT	HTN	ENSG00000266970.1	0.015297992	0.004708436	1	0.047255574	<i>AC061992.1</i>
VAT	HTN	ENSG00000266992.1	-0.017268788	0.000784381	1	0.012810003	<i>DHX40P1</i>
VAT	HTN	ENSG00000268225.1	0.014308733	0.000133709	0.369037412	0.003226032	<i>AC010487.1</i>
VAT	HTN	ENSG00000268555.1	-0.019139178	0.001681276	1	0.022746679	<i>AC123912.4</i>
VAT	HTN	ENSG00000269963.1	-0.034100626	1.54E-06	0.004256526	7.60E-05	<i>RP11-73M18.9</i>
VAT	HTN	ENSG00000270018.1	0.028171672	1.03E-06	0.002835733	5.45E-05	<i>RP3-462E2.5</i>
VAT	HTN	ENSG00000270020.1	-0.012006457	5.22E-05	0.144099127	0.001516833	<i>AC009108.3</i>
VAT	HTN	ENSG00000271581.1	0.043635865	2.77E-09	7.63E-06	4.02E-07	<i>AL671883.2</i>

VAT	HTN	ENSG00000271751.1	-0.023985675	4.16E-05	0.114738631	0.001274874	<i>AP003392.5</i>
VAT	HTN	ENSG00000272505.1	0.025465256	0.000235807	0.650828037	0.005206624	<i>AC104964.4</i>
VAT	Heart_Failure	ENSG00000004534.10	-0.003757422	1.82E-07	0.000501003	0.000167001	<i>RBM6</i>
VAT	Heart_Failure	ENSG00000086015.16	0.011544786	8.23E-05	0.227182216	0.017475555	<i>MAST2</i>
VAT	Heart_Failure	ENSG00000088340.11	-0.009555652	0.00013012	0.359131154	0.022445697	<i>FER1L4</i>
VAT	Heart_Failure	ENSG00000090621.9	-0.011311318	9.63E-05	0.265794378	0.018985313	<i>PABPC4</i>
VAT	Heart_Failure	ENSG00000116883.8	-0.006535353	3.58E-05	0.098911394	0.009891139	<i>AL591845.1</i>
VAT	Heart_Failure	ENSG00000123243.10	-0.011236944	0.000373578	1	0.045539076	<i>ITIHS</i>
VAT	Heart_Failure	ENSG00000127957.12	-0.012593944	9.20E-06	0.025392347	0.003174043	<i>PMS2P3</i>
VAT	Heart_Failure	ENSG00000135213.8	-0.009668532	0.000433484	1	0.049850698	<i>POM121C</i>
VAT	Heart_Failure	ENSG00000142694.6	0.011090623	5.49E-05	0.15155188	0.012629323	<i>EVA1B</i>
VAT	Heart_Failure	ENSG00000145777.10	0.008124227	2.27E-06	0.006261207	0.001252241	<i>TSLP</i>
VAT	Heart_Failure	ENSG00000164068.11	0.006280764	6.48E-06	0.01788685	0.002555264	<i>RNF123</i>
VAT	Heart_Failure	ENSG00000164078.8	0.018894501	1.18E-07	0.000324573	0.000162286	<i>MST1R</i>
VAT	Heart_Failure	ENSG00000167914.6	-0.018991267	4.53E-11	1.25E-07	1.25E-07	<i>GSDMA</i>
VAT	Heart_Failure	ENSG00000170092.10	0.010898855	0.000274113	0.756552818	0.039818569	<i>SPDYE5</i>
VAT	Heart_Failure	ENSG00000179344.12	-0.012623425	4.66E-06	0.01285681	0.002142802	<i>HLA-DQB1</i>
VAT	Heart_Failure	ENSG00000183336.7	-0.00472106	0.000379492	1	0.045539076	<i>BOLA2</i>
VAT	Heart_Failure	ENSG00000187145.10	-0.004768317	0.000298721	0.824471072	0.040153999	<i>MRPS21</i>
VAT	Heart_Failure	ENSG00000188895.7	-0.005905959	0.000266584	0.735772691	0.039818569	<i>MSL1</i>
VAT	Heart_Failure	ENSG00000196301.3	0.005969283	2.39E-05	0.065988928	0.007332103	<i>HLA-DRB9</i>
VAT	Heart_Failure	ENSG00000204516.5	0.002926907	0.00030552	0.843233982	0.040153999	<i>MICB</i>
VAT	Heart_Failure	ENSG00000204520.8	0.005228202	0.000122482	0.33805143	0.022445697	<i>MICA</i>
VAT	Heart_Failure	ENSG00000205583.9	-0.00628937	1.70E-06	0.004703431	0.001175858	<i>STAG3L1</i>
VAT	Heart_Failure	ENSG00000214194.4	0.014240508	4.99E-05	0.137692765	0.012517524	<i>SMIM30</i>
VAT	Heart_Failure	ENSG00000243725.2	-0.009916603	0.000262168	0.723582652	0.039818569	<i>TTC4</i>
VAT	Obesity	ENSG00000004534.10	-0.011959083	1.39E-26	3.85E-23	1.28E-23	<i>RBM6</i>
VAT	Obesity	ENSG00000011021.17	0.013470701	0.000910102	1	0.013504735	<i>CLCN6</i>
VAT	Obesity	ENSG00000015676.13	0.007917459	0.00328074	1	0.033913272	<i>NUDCD3</i>
VAT	Obesity	ENSG00000031691.6	-0.003792782	0.005088728	1	0.046128709	<i>CENPQ</i>
VAT	Obesity	ENSG00000033800.9	0.034066046	9.86E-08	0.000272102	5.55E-06	<i>PIAS1</i>
VAT	Obesity	ENSG00000035115.17	-0.026018578	2.96E-06	0.008176891	0.000122043	<i>SH3YL1</i>
VAT	Obesity	ENSG00000041802.6	0.003495928	0.002893605	1	0.030599046	<i>LSG1</i>
VAT	Obesity	ENSG00000049449.4	-0.016947899	0.000709003	1	0.010811313	<i>RCN1</i>
VAT	Obesity	ENSG00000053900.6	0.019285244	0.000673605	1	0.010403125	<i>ANAPC4</i>
VAT	Obesity	ENSG00000054282.11	0.00782245	0.00125148	1	0.016748353	<i>SDCCAG8</i>
VAT	Obesity	ENSG00000055955.11	0.010278847	6.97E-11	1.92E-07	5.66E-09	<i>ITIHS</i>
VAT	Obesity	ENSG00000058063.11	0.017768603	0.001632275	1	0.020293152	<i>ATP11B</i>
VAT	Obesity	ENSG00000065060.12	0.026259049	3.17E-23	8.75E-20	1.46E-20	<i>UHRF1BP1</i>
VAT	Obesity	ENSG00000066855.11	-0.015848485	0.00206422	1	0.023542347	<i>MTFR1</i>
VAT	Obesity	ENSG00000070540.8	-0.012125485	0.003005902	1	0.031611487	<i>WIP1</i>
VAT	Obesity	ENSG00000073754.5	0.017270209	0.005203363	1	0.046793122	<i>CD5L</i>
VAT	Obesity	ENSG00000075131.5	0.006803249	0.000938573	1	0.013852735	<i>TIPIN</i>
VAT	Obesity	ENSG00000076685.14	0.009722159	0.000155178	0.428290875	0.003346022	<i>NTSC2</i>
VAT	Obesity	ENSG00000082258.8	-0.015875098	0.002738416	1	0.029639327	<i>CCNT2</i>
VAT	Obesity	ENSG00000083097.10	0.006317361	0.004212546	1	0.040652546	<i>DOPEY1</i>
VAT	Obesity	ENSG00000084207.11	0.013824818	1.74E-05	0.048075326	0.00055259	<i>GSTP1</i>
VAT	Obesity	ENSG00000085832.12	-0.011790367	0.000432588	1	0.007383569	<i>EPS15</i>
VAT	Obesity	ENSG00000086015.16	0.014938281	0.001061977	1	0.014998869	<i>MAST2</i>
VAT	Obesity	ENSG00000087263.12	-0.02088804	6.36E-06	0.017555728	0.000240489	<i>OGFOD1</i>
VAT	Obesity	ENSG00000088833.13	0.012319232	0.00458136	1	0.042938775	<i>NPFL1C</i>
VAT	Obesity	ENSG00000090238.7	0.014556971	2.80E-09	7.72E-06	2.03E-07	<i>YPEL3</i>
VAT	Obesity	ENSG00000090621.9	-0.029547464	5.87E-11	1.62E-07	4.91E-09	<i>PABPC4</i>
VAT	Obesity	ENSG00000092020.6	0.016179467	0.000134338	0.370772143	0.002966177	<i>PPP2R3C</i>
VAT	Obesity	ENSG00000096433.6	0.02538274	6.83E-06	0.018848789	0.000254713	<i>ITPR3</i>
VAT	Obesity	ENSG00000099956.13	0.005203749	0.005369248	1	0.047803625	<i>SMARCB1</i>
VAT	Obesity	ENSG00000100124.8	-0.013259057	0.000173631	0.479221008	0.003663808	<i>ANKRD54</i>
VAT	Obesity	ENSG00000100162.10	0.018982084	4.11E-05	0.113456615	0.001123333	<i>CENPM</i>
VAT	Obesity	ENSG00000100997.14	0.023168379	1.31E-05	0.036149992	0.000435542	<i>ABHD12</i>
VAT	Obesity	ENSG00000101363.8	0.008673472	0.005541022	1	0.049016733	<i>MANBAL</i>
VAT	Obesity	ENSG00000102595.14	-0.017317638	0.00159519	1	0.020064097	<i>UGGT2</i>
VAT	Obesity	ENSG00000102890.10	0.009344962	0.003414648	1	0.034908533	<i>ELMO3</i>
VAT	Obesity	ENSG00000103051.14	-0.011793814	0.000837999	1	0.012638668	<i>COG4</i>
VAT	Obesity	ENSG00000103351.8	0.005788455	0.001324569	1	0.017326111	<i>CLUAP1</i>
VAT	Obesity	ENSG00000103472.5	-0.020189182	0.000545164	1	0.008747987	<i>RRN3P2</i>
VAT	Obesity	ENSG00000103932.7	-0.018947403	0.001665737	1	0.020524255	<i>RPAP1</i>
VAT	Obesity	ENSG00000104219.8	-0.019618858	0.000498491	1	0.008141036	<i>ZDHHC2</i>
VAT	Obesity	ENSG00000104714.9	-0.019818069	0.000351009	0.968785132	0.006250227	<i>ERICH1</i>
VAT	Obesity	ENSG00000106290.10	-0.008235813	0.003649422	1	0.036760599	<i>TAF6</i>

VAT	Obesity	ENSG00000106638.11	0.012342886	0.001629747	1	0.020293152	<i>TBL2</i>
VAT	Obesity	ENSG00000107521.14	-0.018136234	0.002439666	1	0.027483581	<i>HPS1</i>
VAT	Obesity	ENSG00000108384.10	-0.011497183	5.11E-05	0.14100499	0.001330236	<i>RAD51C</i>
VAT	Obesity	ENSG00000108556.7	0.005368258	0.000493093	1	0.00810082	<i>CHRNE</i>
VAT	Obesity	ENSG00000110906.8	-0.015728963	0.001129321	1	0.015354308	<i>KCTD10</i>
VAT	Obesity	ENSG00000111801.11	0.017898104	6.73E-09	1.86E-05	4.32E-07	<i>BTN3A3</i>
VAT	Obesity	ENSG00000112041.8	-0.016850155	0.000369579	1	0.006455939	<i>TULP1</i>
VAT	Obesity	ENSG00000112514.11	-0.010592234	0.00018326	0.505796715	0.003802983	<i>CUTA</i>
VAT	Obesity	ENSG00000112981.3	0.015956115	0.000186645	0.51513978	0.003844327	<i>NME5</i>
VAT	Obesity	ENSG00000113119.8	-0.018017323	0.000275395	0.760090752	0.005242005	<i>TMCO6</i>
VAT	Obesity	ENSG00000113141.11	-0.010898999	0.000301104	0.831046286	0.005582082	<i>IK</i>
VAT	Obesity	ENSG00000113734.13	-0.006381643	0.004356917	1	0.041753788	<i>BNIP1</i>
VAT	Obesity	ENSG00000114054.9	0.021073828	1.45E-06	0.00399719	6.45E-05	<i>PCCB</i>
VAT	Obesity	ENSG00000114904.8	-0.012912601	0.00456211	1	0.042938775	<i>NEK4</i>
VAT	Obesity	ENSG00000115561.10	-0.015545455	9.51E-07	0.002625316	4.35E-05	<i>CHMP3</i>
VAT	Obesity	ENSG00000117481.6	-0.019003367	3.63E-05	0.10027366	0.001023201	<i>NSUN4</i>
VAT	Obesity	ENSG00000117523.11	0.016705112	0.000491497	1	0.00810082	<i>PRRC2C</i>
VAT	Obesity	ENSG00000119242.4	0.022433529	4.66E-06	0.012860926	0.000183728	<i>CCDC92</i>
VAT	Obesity	ENSG00000119509.8	0.011335801	6.79E-07	0.001874459	3.23E-05	<i>INVS</i>
VAT	Obesity	ENSG00000119865.4	-0.014559143	0.001277893	1	0.01692306	<i>CNRIP1</i>
VAT	Obesity	ENSG00000120451.6	-0.019581059	3.38E-07	0.000933567	1.70E-05	<i>SNX19</i>
VAT	Obesity	ENSG00000120907.13	0.005869605	0.001441256	1	0.018675424	<i>ADRA1A</i>
VAT	Obesity	ENSG00000121101.11	0.02225631	3.01E-05	0.08305355	0.000883548	<i>TEX14</i>
VAT	Obesity	ENSG00000122696.8	0.007565989	0.002854435	1	0.030428431	<i>SLC25A51</i>
VAT	Obesity	ENSG00000123243.10	0.013969679	0.004479532	1	0.042351052	<i>ITIH5</i>
VAT	Obesity	ENSG00000124508.12	0.010116927	3.58E-05	0.098704055	0.001017568	<i>BTN2A2</i>
VAT	Obesity	ENSG00000124562.5	-0.036131576	2.81E-24	7.77E-21	1.55E-21	<i>SNRPC</i>
VAT	Obesity	ENSG00000124678.13	0.00855798	0.004589471	1	0.042938775	<i>TCPI1</i>
VAT	Obesity	ENSG00000125388.15	0.005075702	0.000139277	0.38440555	0.003050838	<i>GRK4</i>
VAT	Obesity	ENSG00000127337.2	0.006131182	0.004990467	1	0.045457723	<i>YEATS4</i>
VAT	Obesity	ENSG00000127957.12	-0.042315957	1.02E-21	2.81E-18	3.51E-19	<i>PMS2P3</i>
VAT	Obesity	ENSG00000128408.7	0.014403653	0.000559731	1	0.008878492	<i>RIBC2</i>
VAT	Obesity	ENSG00000128829.7	0.018309027	0.001973337	1	0.022980632	<i>EIF2AK4</i>
VAT	Obesity	ENSG00000129197.10	-0.020296892	1.77E-05	0.048845978	0.000555068	<i>RPAIN</i>
VAT	Obesity	ENSG00000129354.7	-0.017254025	0.000674695	1	0.010403125	<i>APIM2</i>
VAT	Obesity	ENSG00000130270.12	-0.018722449	4.16E-11	1.15E-07	3.70E-09	<i>ATP8B3</i>
VAT	Obesity	ENSG00000130517.9	0.008753524	0.00120495	1	0.016222748	<i>PGPEP1</i>
VAT	Obesity	ENSG00000130649.5	-0.011154144	0.001728534	1	0.020994893	<i>CYP2E1</i>
VAT	Obesity	ENSG00000130921.3	0.013426669	0.001013781	1	0.014586726	<i>C12orf65</i>
VAT	Obesity	ENSG00000130943.5	-0.009840294	0.002690362	1	0.029233854	<i>PKDREJ</i>
VAT	Obesity	ENSG00000131495.4	0.013209343	0.000117497	0.324291518	0.002658127	<i>NDUFA2</i>
VAT	Obesity	ENSG00000131558.10	0.019375577	9.43E-05	0.260200907	0.002243111	<i>EXOC4</i>
VAT	Obesity	ENSG00000132207.13	-0.010064507	0.000247055	0.681870466	0.004768325	<i>XIAC1</i>
VAT	Obesity	ENSG00000132382.10	0.011131237	0.001736588	1	0.020994893	<i>MYBBP1A</i>
VAT	Obesity	ENSG00000132740.4	0.007172126	3.96E-05	0.109275147	0.001092751	<i>IGHMBP2</i>
VAT	Obesity	ENSG00000132781.13	0.013439232	0.003315908	1	0.034148903	<i>MUTYH</i>
VAT	Obesity	ENSG00000133706.13	-0.005747426	0.000237606	0.655792859	0.00461826	<i>LARS</i>
VAT	Obesity	ENSG00000134201.6	0.016095799	0.001779884	1	0.021174485	<i>GSTM5</i>
VAT	Obesity	ENSG00000135213.8	-0.036617315	1.09E-17	3.00E-14	2.30E-15	<i>POM121C</i>
VAT	Obesity	ENSG00000135596.13	0.011001691	0.002789156	1	0.02995358	<i>MICAL1</i>
VAT	Obesity	ENSG00000135913.6	0.011828503	0.000605509	1	0.009441841	<i>USP37</i>
VAT	Obesity	ENSG00000137700.12	0.024729486	5.08E-08	0.000140265	2.92E-06	<i>SLC37A4</i>
VAT	Obesity	ENSG00000137806.4	0.021418844	2.23E-05	0.061549154	0.000669013	<i>NDUFAF1</i>
VAT	Obesity	ENSG00000137876.5	-0.021251927	0.000103037	0.284383196	0.002389775	<i>RSL24D1</i>
VAT	Obesity	ENSG00000139187.5	0.005613277	0.002633063	1	0.028999157	<i>KLRG1</i>
VAT	Obesity	ENSG00000139719.5	0.020431801	8.64E-06	0.023839404	0.000317859	<i>VPS33A</i>
VAT	Obesity	ENSG00000139910.15	0.015516294	0.00054971	1	0.008769944	<i>NOVA1</i>
VAT	Obesity	ENSG00000141076.13	0.010051999	0.00199339	1	0.023020814	<i>UTP4</i>
VAT	Obesity	ENSG00000141140.12	0.034961016	1.08E-11	2.97E-08	1.10E-09	<i>MYO19</i>
VAT	Obesity	ENSG00000141452.5	-0.037069546	2.01E-16	5.53E-13	3.95E-14	<i>RMCI</i>
VAT	Obesity	ENSG00000141570.6	0.013528584	0.002526384	1	0.028344798	<i>CBX8</i>
VAT	Obesity	ENSG00000142156.10	0.008328381	0.001109332	1	0.015157208	<i>COL6A1</i>
VAT	Obesity	ENSG00000144199.7	-0.015209429	0.001694742	1	0.020788837	<i>FAHD2B</i>
VAT	Obesity	ENSG00000144791.5	0.019024804	0.000166426	0.45933482	0.003560735	<i>LIMD1</i>
VAT	Obesity	ENSG00000145020.10	-0.003963948	0.003012254	1	0.031611487	<i>AMT</i>
VAT	Obesity	ENSG00000145029.7	-0.011084667	3.32E-05	0.091628559	0.000964511	<i>NICN1</i>
VAT	Obesity	ENSG00000146001.4	0.008640002	0.00527979	1	0.047159292	<i>PCDHB18P</i>
VAT	Obesity	ENSG00000146109.3	0.009291737	0.001314756	1	0.017279648	<i>ABT1</i>
VAT	Obesity	ENSG00000147576.11	-0.011044841	0.000962723	1	0.014133586	<i>ADHFE1</i>

VAT	Obesity	ENSG00000148824.14	0.007263956	0.000449866	1	0.007479696	<i>MTG1</i>
VAT	Obesity	ENSG00000148843.9	0.016071703	0.004890436	1	0.044992012	<i>PDCD11</i>
VAT	Obesity	ENSG00000149084.7	-0.006781553	2.76E-11	7.61E-08	2.57E-09	<i>HSD17B12</i>
VAT	Obesity	ENSG00000149115.9	0.015262574	2.89E-07	0.000797584	1.48E-05	<i>TNKS1BP1</i>
VAT	Obesity	ENSG00000149292.12	0.012057627	4.66E-05	0.128672082	0.001237232	<i>TTC12</i>
VAT	Obesity	ENSG00000149922.6	0.013459415	2.56E-11	7.08E-08	2.53E-09	<i>TBX6</i>
VAT	Obesity	ENSG00000151640.8	0.004058558	0.001993469	1	0.023020814	<i>DPYSL4</i>
VAT	Obesity	ENSG00000152359.10	-0.008196264	2.85E-06	0.007874627	0.000119313	<i>POC5</i>
VAT	Obesity	ENSG00000152404.11	0.015594275	0.00085103	1	0.012765448	<i>CWF19L2</i>
VAT	Obesity	ENSG00000153246.7	0.009464887	0.001181655	1	0.015987092	<i>PLA2R1</i>
VAT	Obesity	ENSG00000153814.7	0.018775908	3.19E-09	8.80E-06	2.26E-07	<i>JAZF1</i>
VAT	Obesity	ENSG00000154328.11	0.015823628	8.35E-05	0.23040903	0.002003557	<i>NEIL2</i>
VAT	Obesity	ENSG00000156103.11	-0.011615074	0.000327864	0.904904297	0.005914407	<i>MMP16</i>
VAT	Obesity	ENSG00000156253.2	-0.010201993	0.002019685	1	0.023130002	<i>RWDD2B</i>
VAT	Obesity	ENSG00000157214.9	-0.014334005	0.000447013	1	0.007479369	<i>STEAP2</i>
VAT	Obesity	ENSG00000157322.12	-0.024592434	2.21E-18	6.09E-15	5.08E-16	<i>CLEC18A</i>
VAT	Obesity	ENSG00000157557.7	0.009197546	0.001750064	1	0.020994893	<i>ETS2</i>
VAT	Obesity	ENSG00000158865.8	-0.011660623	2.11E-07	0.000581984	1.12E-05	<i>SLC5A11</i>
VAT	Obesity	ENSG00000160294.6	-0.006946288	0.001515119	1	0.019449901	<i>MCM3AP</i>
VAT	Obesity	ENSG00000160360.7	0.017507348	0.003478082	1	0.035292303	<i>GPSM1</i>
VAT	Obesity	ENSG00000161036.6	-0.012411641	0.002641813	1	0.028999157	<i>LRWD1</i>
VAT	Obesity	ENSG00000161204.7	0.010993941	0.001468592	1	0.018940721	<i>ABCF3</i>
VAT	Obesity	ENSG00000162994.11	0.003075038	0.003445733	1	0.035093078	<i>CLHC1</i>
VAT	Obesity	ENSG00000163297.12	0.021099093	1.88E-05	0.052022601	0.000584524	<i>ANTXR2</i>
VAT	Obesity	ENSG00000163728.6	-0.014405356	0.003267559	1	0.033903999	<i>TTC14</i>
VAT	Obesity	ENSG00000163933.5	-0.014168985	1.45E-07	0.000399449	7.83E-06	<i>RFT1</i>
VAT	Obesity	ENSG00000164068.11	0.019637801	1.30E-19	3.58E-16	3.58E-17	<i>RNF123</i>
VAT	Obesity	ENSG00000164078.8	0.054483235	9.69E-23	2.67E-19	3.82E-20	<i>MSTIR</i>
VAT	Obesity	ENSG00000164081.8	-0.01224147	0.000307346	0.848274197	0.005655161	<i>TEX264</i>
VAT	Obesity	ENSG00000164144.10	0.017232421	0.003676836	1	0.036902067	<i>ARFIP1</i>
VAT	Obesity	ENSG00000164307.8	-0.018531879	5.74E-06	0.015853706	0.00022019	<i>ERAP1</i>
VAT	Obesity	ENSG00000164574.11	-0.025312826	1.43E-05	0.039443277	0.000464039	<i>GALNT10</i>
VAT	Obesity	ENSG00000164733.16	-0.009603749	0.003933327	1	0.038595566	<i>CTSB</i>
VAT	Obesity	ENSG00000164924.13	-0.015777928	6.99E-05	0.193021146	0.001738929	<i>YWHAZ</i>
VAT	Obesity	ENSG00000164967.5	-0.018937502	0.000434281	1	0.007383569	<i>RPP25L</i>
VAT	Obesity	ENSG00000165138.12	0.024028655	6.13E-05	0.169109258	0.001551461	<i>ANKS6</i>
VAT	Obesity	ENSG00000165917.5	-0.040703829	3.82E-16	1.05E-12	6.59E-14	<i>RAPSN</i>
VAT	Obesity	ENSG00000166529.10	-0.007724166	0.001391627	1	0.018117402	<i>ZSCAN21</i>
VAT	Obesity	ENSG00000166532.11	-0.007045304	0.003076585	1	0.032164296	<i>RIMKLB</i>
VAT	Obesity	ENSG00000166667.8	0.00943811	0.004480619	1	0.042351052	<i>CTA-313A17.3</i>
VAT	Obesity	ENSG00000167720.8	0.006172867	2.19E-05	0.060543049	0.000665308	<i>SRR</i>
VAT	Obesity	ENSG00000168116.9	-0.012741	0.001017801	1	0.014586726	<i>KIAA1586</i>
VAT	Obesity	ENSG00000168268.6	-0.020585805	3.51E-06	0.009691053	0.00014045	<i>NTSDC2</i>
VAT	Obesity	ENSG00000168405.10	0.010476472	0.001003806	1	0.014586726	<i>CMAHP</i>
VAT	Obesity	ENSG00000168522.8	0.012472548	6.50E-05	0.179319017	0.001630173	<i>FNTA</i>
VAT	Obesity	ENSG00000168653.6	0.014927154	0.004751534	1	0.044074698	<i>NDUFS5</i>
VAT	Obesity	ENSG00000168743.8	0.016520063	0.003526445	1	0.035651971	<i>NPNT</i>
VAT	Obesity	ENSG00000169047.5	0.010500178	0.004973527	1	0.045453429	<i>IRS1</i>
VAT	Obesity	ENSG00000169085.7	0.006508674	0.001574802	1	0.020029744	<i>C8orf46</i>
VAT	Obesity	ENSG00000169203.12	0.037052914	4.95E-14	1.37E-10	6.83E-12	<i>NP1PB12</i>
VAT	Obesity	ENSG00000169592.10	-0.019541209	1.76E-15	4.85E-12	2.85E-13	<i>INO80E</i>
VAT	Obesity	ENSG00000170092.10	0.041701127	3.69E-19	1.02E-15	9.25E-17	<i>SPDYE5</i>
VAT	Obesity	ENSG00000170289.8	0.019825607	0.000683734	1	0.010483924	<i>CNGB3</i>
VAT	Obesity	ENSG00000170425.3	-0.011057524	6.10E-07	0.001682706	2.95E-05	<i>ADORA2B</i>
VAT	Obesity	ENSG00000171045.10	0.014400039	1.16E-05	0.031960681	0.000395025	<i>TSNARE1</i>
VAT	Obesity	ENSG00000171103.6	0.016311935	2.66E-05	0.073420844	0.000789471	<i>TRMT61B</i>
VAT	Obesity	ENSG00000171700.9	0.00875235	0.002610323	1	0.028933705	<i>RGS19</i>
VAT	Obesity	ENSG00000171735.14	0.017620379	0.001838616	1	0.021686235	<i>CAMTA1</i>
VAT	Obesity	ENSG00000172247.3	-0.019160306	1.98E-15	5.45E-12	3.03E-13	<i>CIQTNF4</i>
VAT	Obesity	ENSG00000172543.3	-0.007108521	4.94E-09	1.36E-05	3.33E-07	<i>CTSW</i>
VAT	Obesity	ENSG00000172650.8	-0.013471938	0.001095793	1	0.015121947	<i>AGAP5</i>
VAT	Obesity	ENSG00000172671.15	-0.012959942	0.00222122	1	0.025228668	<i>ZFAND4</i>
VAT	Obesity	ENSG00000172728.11	-0.004969841	0.000226965	0.626423255	0.004486836	<i>FUT10</i>
VAT	Obesity	ENSG00000172780.12	0.017769424	0.000174269	0.480983796	0.003663808	<i>RAB43</i>
VAT	Obesity	ENSG00000172803.13	0.009211094	9.53E-05	0.263007254	0.002247925	<i>SNX32</i>
VAT	Obesity	ENSG00000172935.8	0.020384727	4.89E-05	0.134925129	0.001285001	<i>MRGPRF</i>
VAT	Obesity	ENSG00000173226.12	-0.011041245	0.001740976	1	0.020994893	<i>IQCB1</i>
VAT	Obesity	ENSG00000173531.11	-0.011020966	0.001757181	1	0.020994893	<i>MST1</i>
VAT	Obesity	ENSG00000173917.9	0.013264549	0.000591949	1	0.009282861	<i>HOXB2</i>

VAT	Obesity	ENSG00000174780.11	0.00531995	0.004709129	1	0.043909446	<i>SRP72</i>
VAT	Obesity	ENSG00000174943.5	0.017564622	2.73E-07	0.000753732	1.42E-05	<i>KCTD13</i>
VAT	Obesity	ENSG00000175115.7	-0.014891665	0.000195085	0.538435816	0.003930188	<i>PACSI</i>
VAT	Obesity	ENSG00000175279.17	0.006892336	0.003414965	1	0.034908533	<i>CENPS</i>
VAT	Obesity	ENSG00000175938.6	0.028816899	8.97E-12	2.48E-08	9.53E-10	<i>ORAI3</i>
VAT	Obesity	ENSG00000176155.14	-0.010011905	0.001026594	1	0.014605158	<i>CCDC57</i>
VAT	Obesity	ENSG00000176422.10	-0.010915773	0.001863379	1	0.021884791	<i>SPRYD4</i>
VAT	Obesity	ENSG00000176623.7	0.007372562	0.002281505	1	0.025807187	<i>RMDN1</i>
VAT	Obesity	ENSG00000176783.10	0.013696572	1.36E-05	0.037459069	0.000445941	<i>RUFY1</i>
VAT	Obesity	ENSG00000176998.3	-0.007924671	0.001599312	1	0.020064097	<i>HCG4</i>
VAT	Obesity	ENSG00000177697.13	0.013700134	0.002586681	1	0.028787258	<i>CDI51</i>
VAT	Obesity	ENSG00000178718.5	-0.013798357	0.000119888	0.330892109	0.002668485	<i>RPP25</i>
VAT	Obesity	ENSG00000178750.2	0.021085877	7.16E-07	0.001975604	3.35E-05	<i>STX19</i>
VAT	Obesity	ENSG00000178802.13	0.016627439	7.44E-05	0.205261718	0.001832694	<i>MPI</i>
VAT	Obesity	ENSG00000178809.7	-0.040331985	1.71E-13	4.71E-10	2.14E-11	<i>TRIM73</i>
VAT	Obesity	ENSG00000178917.10	-0.02183219	1.04E-05	0.028707358	0.000368043	<i>ZNF852</i>
VAT	Obesity	ENSG00000178952.4	0.02174863	2.79E-11	7.71E-08	2.57E-09	<i>TUFM</i>
VAT	Obesity	ENSG00000179021.5	0.015340056	4.06E-08	0.000112077	2.49E-06	<i>C3orf38</i>
VAT	Obesity	ENSG00000179344.12	-0.014033372	0.001071098	1	0.014998869	<i>HLA-DQB1</i>
VAT	Obesity	ENSG00000181019.8	-0.013578012	0.00394346	1	0.038595566	<i>NQO1</i>
VAT	Obesity	ENSG00000181315.6	-0.012515009	0.000447136	1	0.007479369	<i>ZNF322</i>
VAT	Obesity	ENSG00000181625.13	0.009859383	0.000191395	0.528249505	0.003884188	<i>SLX1B</i>
VAT	Obesity	ENSG00000182871.10	0.020572782	0.000237363	0.655120602	0.00461826	<i>COL18A1</i>
VAT	Obesity	ENSG00000183060.11	0.012554846	0.002890458	1	0.030599046	<i>LYSMD4</i>
VAT	Obesity	ENSG00000183250.7	-0.012251553	0.004388993	1	0.041915642	<i>LINC01547</i>
VAT	Obesity	ENSG00000183281.10	0.012326784	0.00108144	1	0.014998869	<i>PLGLB1</i>
VAT	Obesity	ENSG00000183336.7	-0.014492722	2.37E-12	6.55E-09	2.62E-10	<i>BOLA2</i>
VAT	Obesity	ENSG00000183506.12	-0.00871747	0.001102529	1	0.015139203	<i>PI4KAP2</i>
VAT	Obesity	ENSG00000183527.7	0.016018676	0.00031042	0.85675825	0.005673896	<i>PSMG1</i>
VAT	Obesity	ENSG00000183793.9	0.004264631	0.003898723	1	0.038527471	<i>NPIPA5</i>
VAT	Obesity	ENSG00000184227.3	0.014954441	0.000119636	0.330196517	0.002668485	<i>ACOT1</i>
VAT	Obesity	ENSG00000184923.8	-0.014543952	1.12E-05	0.030962488	0.00039193	<i>NUTM2A</i>
VAT	Obesity	ENSG00000185022.7	-0.014552828	0.000274846	0.75857489	0.005242005	<i>MAFF</i>
VAT	Obesity	ENSG00000185245.6	0.028375704	4.61E-07	0.001272679	2.27E-05	<i>GP1BA</i>
VAT	Obesity	ENSG00000185344.9	-0.023303494	5.42E-05	0.149504662	0.00139724	<i>ATP6V0A2</i>
VAT	Obesity	ENSG00000186470.9	-0.005228548	1.45E-08	4.01E-05	9.11E-07	<i>BTN3A2</i>
VAT	Obesity	ENSG00000186715.6	0.015150136	0.000794224	1	0.012044271	<i>MSTIL</i>
VAT	Obesity	ENSG00000187987.5	0.003797595	0.005221841	1	0.046793122	<i>ZSCAN23</i>
VAT	Obesity	ENSG00000188312.9	0.009533722	9.94E-06	0.027440513	0.00035637	<i>CENPP</i>
VAT	Obesity	ENSG00000188878.12	0.015108467	0.000535385	1	0.008692134	<i>FBF1</i>
VAT	Obesity	ENSG00000189298.9	-0.016722689	9.61E-07	0.002653629	4.35E-05	<i>ZKSCAN3</i>
VAT	Obesity	ENSG00000196072.7	-0.005567791	0.005097557	1	0.046128709	<i>BLOC1S2</i>
VAT	Obesity	ENSG00000196458.6	0.012954559	0.000223167	0.615940414	0.004463336	<i>ZNF605</i>
VAT	Obesity	ENSG00000197062.7	-0.008908751	3.35E-06	0.00924811	0.000136002	<i>ZSCAN26</i>
VAT	Obesity	ENSG00000197165.6	0.062935365	6.55E-29	1.81E-25	9.04E-26	<i>SULT1A2</i>
VAT	Obesity	ENSG00000197279.3	-0.009826224	0.003824869	1	0.038248687	<i>ZNF165</i>
VAT	Obesity	ENSG00000197345.8	-0.005049918	0.000285237	0.787253471	0.005355466	<i>MRPL21</i>
VAT	Obesity	ENSG00000197653.10	0.038941498	6.82E-13	1.88E-09	7.84E-11	<i>DNAH10</i>
VAT	Obesity	ENSG00000197728.5	-0.0073846	0.000354606	0.978712959	0.006273801	<i>RPS26</i>
VAT	Obesity	ENSG00000197782.10	-0.00441852	4.54E-05	0.125188843	0.001215446	<i>ZNF780A</i>
VAT	Obesity	ENSG00000197903.6	0.011331546	0.004762313	1	0.044074698	<i>HIST1H2BK</i>
VAT	Obesity	ENSG00000198099.4	-0.013025448	0.004111216	1	0.039813877	<i>HDH4</i>
VAT	Obesity	ENSG00000198792.8	-0.01438791	0.000227593	0.628157072	0.004486836	<i>TMEM184B</i>
VAT	Obesity	ENSG00000198909.3	-0.025937669	1.31E-07	0.000361759	7.24E-06	<i>MAP3K3</i>
VAT	Obesity	ENSG00000204301.5	-0.010112537	4.54E-05	0.125190898	0.001215446	<i>NOTCH4</i>
VAT	Obesity	ENSG00000204351.7	-0.007630088	1.84E-06	0.005082089	8.07E-05	<i>SKIV2L</i>
VAT	Obesity	ENSG00000204438.6	-0.021727573	1.33E-09	3.67E-06	9.92E-08	<i>GPANK1</i>
VAT	Obesity	ENSG00000204536.9	0.004257955	0.001281493	1	0.01692306	<i>CCHCR1</i>
VAT	Obesity	ENSG00000204618.4	-0.021288897	0.000341271	0.941907659	0.006116283	<i>RNF39</i>
VAT	Obesity	ENSG00000204644.5	0.004533413	2.74E-06	0.007551402	0.000116175	<i>ZFP57</i>
VAT	Obesity	ENSG00000204709.4	0.012854038	2.06E-06	0.005673675	8.87E-05	<i>LINC01556</i>
VAT	Obesity	ENSG00000204713.6	-0.010872806	0.001078549	1	0.014998869	<i>TRIM27</i>
VAT	Obesity	ENSG00000205045.4	-0.017555231	0.005458682	1	0.048443612	<i>SLFN12L</i>
VAT	Obesity	ENSG00000205583.9	-0.018838117	3.23E-20	8.90E-17	9.89E-18	<i>STAG3L1</i>
VAT	Obesity	ENSG00000205710.3	0.011255566	0.00027937	0.771061861	0.005281246	<i>C17orf107</i>
VAT	Obesity	ENSG00000212694.4	-0.011812817	7.72E-05	0.213115881	0.001869438	<i>LINC01089</i>
VAT	Obesity	ENSG00000213199.3	0.014325469	0.00402818	1	0.039147101	<i>ASIC3</i>
VAT	Obesity	ENSG00000213402.2	0.008196517	0.000357542	0.986815996	0.006285452	<i>PTPRCAP</i>
VAT	Obesity	ENSG00000213639.5	-0.015879085	1.48E-05	0.040858798	0.000475102	<i>PPP1CB</i>

VAT	Obesity	ENSG00000213689.5	0.00525499	0.002772691	1	0.029893075	<i>TREX1</i>
VAT	Obesity	ENSG00000213901.6	0.009697295	0.004952339	1	0.045410153	<i>SLC23A3</i>
VAT	Obesity	ENSG00000214063.6	0.014824992	0.003908584	1	0.038527471	<i>TSPAN4</i>
VAT	Obesity	ENSG00000214659.4	0.014238558	0.001020014	1	0.014586726	<i>KRT8P26</i>
VAT	Obesity	ENSG00000216901.1	0.005321342	6.08E-05	0.167861026	0.001551461	<i>ZNF603P</i>
VAT	Obesity	ENSG00000223496.1	-0.039392969	8.57E-15	2.37E-11	1.24E-12	<i>EXOSC6</i>
VAT	Obesity	ENSG00000223861.1	-0.022065389	0.000142704	0.393862787	0.003101282	<i>AL365436.1</i>
VAT	Obesity	ENSG00000224843.2	0.00656342	0.001653251	1	0.020461762	<i>LINC00240</i>
VAT	Obesity	ENSG00000224997.1	-0.028905967	4.15E-08	0.00011443	2.49E-06	<i>AL049840.1</i>
VAT	Obesity	ENSG00000225498.1	-0.019173372	0.001838222	1	0.021686235	<i>AC002064.1</i>
VAT	Obesity	ENSG00000226232.4	-0.021345759	5.62E-09	1.55E-05	3.69E-07	<i>NPIP14P</i>
VAT	Obesity	ENSG00000228022.1	-0.016596745	0.000301352	0.831730193	0.005582082	<i>HCG20</i>
VAT	Obesity	ENSG00000228078.1	0.006246105	0.001007909	1	0.014586726	<i>HLA-U</i>
VAT	Obesity	ENSG00000230772.1	-0.01373925	0.001589527	1	0.020064097	<i>VNIR108P</i>
VAT	Obesity	ENSG00000231043.2	0.016944914	0.002015096	1	0.023130002	<i>AC007238.1</i>
VAT	Obesity	ENSG00000231925.7	0.013560961	0.000420282	1	0.007295463	<i>TAPBP</i>
VAT	Obesity	ENSG00000232075.1	0.018462663	0.000426156	1	0.007351183	<i>MRPL35P2</i>
VAT	Obesity	ENSG00000232112.3	0.011431292	0.004774759	1	0.044074698	<i>TMA7</i>
VAT	Obesity	ENSG00000232561.2	-0.017433939	4.41E-08	0.000121721	2.59E-06	<i>GTf2IP1</i>
VAT	Obesity	ENSG00000233569.1	-0.025276885	3.85E-05	0.106125906	0.001071979	<i>ALI61630.1</i>
VAT	Obesity	ENSG00000233609.3	0.01628315	0.000540743	1	0.008727787	<i>RPL10P19</i>
VAT	Obesity	ENSG00000233633.1	0.047981268	2.54E-16	7.01E-13	4.67E-14	<i>AC093326.1</i>
VAT	Obesity	ENSG00000235109.3	0.007166904	5.10E-06	0.014083211	0.000198355	<i>ZSCAN3I</i>
VAT	Obesity	ENSG00000235374.1	-0.012806344	0.000591951	1	0.009282861	<i>SSR4P1</i>
VAT	Obesity	ENSG00000237541.3	0.006445495	0.001751924	1	0.020994893	<i>HLA-DQA2</i>
VAT	Obesity	ENSG00000237854.3	0.016437452	3.55E-05	0.097922908	0.001017568	<i>LINC00674</i>
VAT	Obesity	ENSG00000239257.1	0.003243335	0.002545247	1	0.028440812	<i>RPL23AP1</i>
VAT	Obesity	ENSG00000240065.3	0.006558538	0.000114234	0.315285933	0.002605669	<i>PSMB9</i>
VAT	Obesity	ENSG00000240682.5	-0.011941681	0.000436059	1	0.007383569	<i>ISYI</i>
VAT	Obesity	ENSG00000242193.5	-0.01683366	9.70E-05	0.267838127	0.002269815	<i>CRYZL2P</i>
VAT	Obesity	ENSG00000244219.2	0.020185002	2.13E-05	0.058754323	0.000652826	<i>TMEM225B</i>
VAT	Obesity	ENSG00000244731.3	-0.00664492	0.000316373	0.873190248	0.005744673	<i>C4A</i>
VAT	Obesity	ENSG00000245958.2	-0.009217208	0.001932291	1	0.022597976	<i>AC093752.1</i>
VAT	Obesity	ENSG00000251417.1	-0.035386685	2.80E-32	7.73E-29	7.73E-29	<i>AC145285.2</i>
VAT	Obesity	ENSG00000253704.1	-0.023056272	4.83E-09	1.33E-05	3.33E-07	<i>AC023632.2</i>
VAT	Obesity	ENSG00000253813.1	0.008016534	0.003107186	1	0.032361636	<i>COX6B1P4</i>
VAT	Obesity	ENSG00000253981.1	0.037657864	1.80E-13	4.98E-10	2.16E-11	<i>ALGIL13P</i>
VAT	Obesity	ENSG00000254634.3	-0.021257449	3.06E-10	8.43E-07	2.41E-08	<i>SMG1P6</i>
VAT	Obesity	ENSG00000254986.3	0.007071425	0.001077324	1	0.014998869	<i>DPP3</i>
VAT	Obesity	ENSG00000254999.2	-0.009706756	0.000107417	0.296470977	0.002470591	<i>BRK1</i>
VAT	Obesity	ENSG00000257595.2	0.014432866	0.001256126	1	0.016748353	<i>LINC02356</i>
VAT	Obesity	ENSG00000258512.1	0.013068358	0.004270937	1	0.041072426	<i>LINC00239</i>
VAT	Obesity	ENSG00000259982.1	0.027061903	1.15E-24	3.16E-21	7.91E-22	<i>CDC37P1</i>
VAT	Obesity	ENSG00000260911.1	0.012581591	3.63E-10	1.00E-06	2.78E-08	<i>AC135050.3</i>
VAT	Obesity	ENSG00000260947.1	-0.005217082	1.24E-05	0.034324333	0.000418589	<i>AL356489.2</i>
VAT	Obesity	ENSG00000260973.1	-0.005765624	0.005213504	1	0.046793122	<i>AC009021.2</i>
VAT	Obesity	ENSG00000261556.4	-0.017023214	8.13E-14	2.24E-10	1.07E-11	<i>SMG1P7</i>
VAT	Obesity	ENSG00000261706.1	0.009459597	0.003844563	1	0.038306835	<i>LINC00165</i>
VAT	Obesity	ENSG00000265055.1	0.0195571	1.16E-05	0.031997062	0.000395025	<i>AC145343.1</i>
VAT	Obesity	ENSG00000266173.1	-0.01213923	0.003959227	1	0.038612951	<i>STRADA</i>
VAT	Obesity	ENSG00000267731.1	0.008804193	0.002855422	1	0.030428431	<i>AC005332.3</i>
VAT	Obesity	ENSG00000268171.1	0.014357921	0.002673076	1	0.029160825	<i>AC068620.1</i>
VAT	Obesity	ENSG00000269963.1	-0.027535323	9.35E-06	0.025792468	0.000339375	<i>RP11-73M18.9</i>
VAT	Obesity	ENSG00000270071.1	0.008401968	0.000863449	1	0.01288172	<i>AP001172.1</i>
VAT	Obesity	ENSG00000271751.1	-0.019222501	0.000175226	0.483622714	0.003663808	<i>AP003392.5</i>
VAT	Obesity	ENSG00000272047.1	0.0064321	0.003890731	1	0.038527471	<i>GTf2H5</i>
VAT	Obesity	ENSG00000272275.1	-0.008610707	0.00443166	1	0.042177179	<i>AC092687.3</i>
VAT	Obesity	ENSG00000272338.1	-0.020815862	0.0001902	0.52495128	0.003884188	<i>AC067838.1</i>
VAT	Obesity	ENSG00000272462.2	0.006838677	4.59E-11	1.27E-07	3.96E-09	<i>U91328.1</i>
VAT	Obesity	ENSG00000272505.1	0.018228268	0.002647749	1	0.028999157	<i>AC104964.4</i>
VAT	Obesity	ENSG00000272849.1	-0.016580735	7.63E-05	0.210627696	0.001863962	<i>AC084018.1</i>
VAT	Obesity	ENSG00000272983.1	0.010875552	0.001554857	1	0.019867616	<i>ALI17339.4</i>
VAT	T2DM	ENSG00000004534.10	-0.004258822	1.10E-08	3.03E-05	5.02E-06	<i>RBM6</i>
VAT	T2DM	ENSG000000011105.7	-0.007843332	0.001635353	1	0.044801445	<i>TSPAN9</i>
VAT	T2DM	ENSG000000011523.9	0.017177057	3.69E-11	1.02E-07	2.04E-08	<i>CEP68</i>
VAT	T2DM	ENSG000000037042.8	-0.018097281	2.01E-07	0.000553551	5.03E-05	<i>TUBG2</i>
VAT	T2DM	ENSG000000055955.11	0.00468787	7.70E-06	0.021256783	0.000851054	<i>ITIH4</i>
VAT	T2DM	ENSG000000065665.16	-0.016039757	2.24E-06	0.006188874	0.000281312	<i>SEC61A2</i>
VAT	T2DM	ENSG000000078618.15	0.011895125	0.000290814	0.802645625	0.013604163	<i>NRDC</i>

VAT	T2DM	ENSG00000082258.8	0.01177366	0.000832611	1	0.028370455	<i>CCNT2</i>
VAT	T2DM	ENSG00000086619.9	0.010189659	4.47E-06	0.012338417	0.000536453	<i>ERO1B</i>
VAT	T2DM	ENSG00000090621.9	-0.021177542	1.72E-12	4.74E-09	2.37E-09	<i>PABPC4</i>
VAT	T2DM	ENSG00000091542.8	-0.013147583	8.82E-05	0.24333174	0.005407372	<i>ALKBH5</i>
VAT	T2DM	ENSG00000095485.12	-0.003235527	6.14E-05	0.169582378	0.004348266	<i>CWF19L1</i>
VAT	T2DM	ENSG00000099194.5	-0.012291895	0.001462494	1	0.042333709	<i>SCD</i>
VAT	T2DM	ENSG00000103226.13	-0.009639616	0.000528715	1	0.020409831	<i>NOMO3</i>
VAT	T2DM	ENSG00000103479.10	0.013280052	9.92E-05	0.273862935	0.005722853	<i>RBL2</i>
VAT	T2DM	ENSG00000108785.7	-0.016150744	4.29E-05	0.118409441	0.003289151	<i>HSD17B1P1</i>
VAT	T2DM	ENSG00000111215.7	0.005236853	0.001345378	1	0.040361351	<i>PRR4</i>
VAT	T2DM	ENSG00000112276.9	-0.006383993	0.000445718	1	0.018639109	<i>BVES</i>
VAT	T2DM	ENSG00000116157.5	-0.00349826	0.000908869	1	0.029862853	<i>GPX7</i>
VAT	T2DM	ENSG00000119242.4	-0.011340835	0.000498072	1	0.019922865	<i>CCDC92</i>
VAT	T2DM	ENSG00000120907.13	0.004976772	4.84E-05	0.133671655	0.003612747	<i>ADRA1A</i>
VAT	T2DM	ENSG00000121101.11	0.011033887	0.001865112	1	0.04902579	<i>TEX14</i>
VAT	T2DM	ENSG00000124767.6	0.013410485	0.00096912	1	0.030520061	<i>GLO1</i>
VAT	T2DM	ENSG00000125388.15	0.002891302	0.001100771	1	0.034136284	<i>GRK4</i>
VAT	T2DM	ENSG00000126464.9	0.009907755	0.001249982	1	0.037911555	<i>PRR12</i>
VAT	T2DM	ENSG00000127220.5	-0.008146489	0.00053243	1	0.020409831	<i>ABHD8</i>
VAT	T2DM	ENSG00000127957.12	-0.012340677	2.67E-05	0.073727828	0.002303995	<i>PMS2P3</i>
VAT	T2DM	ENSG00000130921.3	0.009881869	0.000274247	0.756922035	0.01305038	<i>C12orf65</i>
VAT	T2DM	ENSG00000137265.10	0.00688571	0.00093927	1	0.030144022	<i>IRF4</i>
VAT	T2DM	ENSG00000137310.7	0.015543768	3.54E-05	0.097838048	0.00287759	<i>TCF19</i>
VAT	T2DM	ENSG00000137700.12	0.010809574	0.000341767	0.943276329	0.015006527	<i>SLC37A4</i>
VAT	T2DM	ENSG00000137877.8	0.005656344	7.20E-05	0.198774547	0.004732727	<i>SPTBN5</i>
VAT	T2DM	ENSG00000140398.9	-0.011627586	3.05E-05	0.084065584	0.002547442	<i>NEIL1</i>
VAT	T2DM	ENSG00000140400.10	-0.002822756	1.07E-05	0.029638434	0.00113994	<i>MAN2C1</i>
VAT	T2DM	ENSG00000141140.12	0.016694891	1.06E-06	0.002922463	0.000153814	<i>MYO19</i>
VAT	T2DM	ENSG00000141252.15	-0.006795021	0.000229169	0.632506438	0.011886348	<i>VPS53</i>
VAT	T2DM	ENSG00000141452.5	-0.015269193	3.51E-07	0.00096911	7.21E-05	<i>RMCI</i>
VAT	T2DM	ENSG00000141994.11	0.0049721	0.000973103	1	0.030520061	<i>DUS3L</i>
VAT	T2DM	ENSG00000149084.7	-0.003852448	1.27E-08	3.52E-05	5.02E-06	<i>HSD17B12</i>
VAT	T2DM	ENSG00000149089.8	-0.003953476	0.000155911	0.430313451	0.008437519	<i>APIP</i>
VAT	T2DM	ENSG00000152359.10	-0.004332753	0.000198456	0.547737953	0.010533422	<i>POC5</i>
VAT	T2DM	ENSG00000153814.7	-0.016066791	2.53E-14	6.98E-11	6.98E-11	<i>JAZF1</i>
VAT	T2DM	ENSG00000156931.11	0.01320968	0.00137395	1	0.040775292	<i>VPS8</i>
VAT	T2DM	ENSG00000157322.12	-0.010215772	4.67E-08	0.000129018	1.43E-05	<i>CLEC18A</i>
VAT	T2DM	ENSG00000157992.8	0.008984525	1.25E-05	0.034426503	0.001229518	<i>KRTCAP3</i>
VAT	T2DM	ENSG00000163554.7	-0.006683054	0.000306269	0.845303398	0.01408839	<i>SPTA1</i>
VAT	T2DM	ENSG00000163933.5	-0.008920863	6.34E-07	0.001750367	0.000116691	<i>RFT1</i>
VAT	T2DM	ENSG00000164068.11	0.006446083	7.71E-06	0.021276339	0.000851054	<i>RNF123</i>
VAT	T2DM	ENSG00000164078.8	0.018140569	8.89E-07	0.002453176	0.000136288	<i>MST1R</i>
VAT	T2DM	ENSG00000165917.5	-0.014154468	2.05E-05	0.056611827	0.001887061	<i>RAPSN</i>
VAT	T2DM	ENSG00000166825.9	0.006883716	0.000744155	1	0.025998338	<i>ANPEP</i>
VAT	T2DM	ENSG00000168612.4	0.004583102	0.000496693	1	0.019922865	<i>ZSWIM1</i>
VAT	T2DM	ENSG00000169047.5	-0.012832516	2.44E-07	0.000673829	5.62E-05	<i>IRSI</i>
VAT	T2DM	ENSG00000169592.10	-0.005955928	0.000265075	0.73160734	0.012835216	<i>INO80E</i>
VAT	T2DM	ENSG00000170092.10	0.01042596	0.000769119	1	0.026534614	<i>SPDYE5</i>
VAT	T2DM	ENSG00000170571.7	-0.012594801	0.00033881	0.935115206	0.015006527	<i>EMB</i>
VAT	T2DM	ENSG00000171700.9	-0.008165687	2.40E-05	0.066247211	0.002137007	<i>RGS19</i>
VAT	T2DM	ENSG00000172247.3	-0.006118315	0.000136449	0.376600358	0.007685722	<i>C1QTNF4</i>
VAT	T2DM	ENSG00000172543.3	-0.002967046	0.000240897	0.664875294	0.012088642	<i>CTSW</i>
VAT	T2DM	ENSG00000172922.4	-0.005327318	6.95E-05	0.191859806	0.004679507	<i>RNASEH2C</i>
VAT	T2DM	ENSG00000173727.7	0.006628025	0.001136276	1	0.034845791	<i>AP000769.1</i>
VAT	T2DM	ENSG00000173917.9	-0.008558108	0.000857596	1	0.028865421	<i>HOXB2</i>
VAT	T2DM	ENSG00000175305.12	-0.012849916	8.32E-07	0.002297321	0.000135137	<i>CCNE2</i>
VAT	T2DM	ENSG00000178750.2	0.00970497	0.000602136	1	0.022000999	<i>STX19</i>
VAT	T2DM	ENSG00000178917.10	-0.010366538	0.001639473	1	0.044801445	<i>ZNF852</i>
VAT	T2DM	ENSG00000179344.12	-0.014507149	3.66E-07	0.001009153	7.21E-05	<i>HLA-DQB1</i>
VAT	T2DM	ENSG00000182670.9	0.002821767	0.001472477	1	0.042333709	<i>TTC3</i>
VAT	T2DM	ENSG00000184232.4	-0.008375206	0.001813818	1	0.048603276	<i>OAF</i>
VAT	T2DM	ENSG00000185245.6	0.011930969	0.001432449	1	0.042059129	<i>GP1BA</i>
VAT	T2DM	ENSG00000185800.7	-0.011938679	9.34E-05	0.257847693	0.005605385	<i>DMWD</i>
VAT	T2DM	ENSG00000185989.9	-0.012127123	7.70E-05	0.212601666	0.004944225	<i>RASA3</i>
VAT	T2DM	ENSG00000196126.6	-0.011824082	6.90E-07	0.001904117	0.000119007	<i>HLA-DRB1</i>
VAT	T2DM	ENSG00000196301.3	0.004867992	0.000869944	1	0.028928243	<i>HLA-DRB9</i>
VAT	T2DM	ENSG00000196735.7	-0.01947095	0.00014228	0.392691684	0.007853834	<i>HLA-DQA1</i>
VAT	T2DM	ENSG00000198502.5	-0.002941356	9.95E-05	0.274696951	0.005722853	<i>HLA-DRB5</i>
VAT	T2DM	ENSG00000198909.3	-0.014291735	1.22E-05	0.033721098	0.001229518	<i>MAP3K3</i>

VAT	T2DM	ENSG00000204314.6	0.006285604	0.001548224	1	0.044052573	<i>PRRT1</i>
VAT	T2DM	ENSG00000204344.10	-0.009965404	0.00070394	1	0.025232133	<i>STK19</i>
VAT	T2DM	ENSG00000204560.5	0.009799616	0.000738745	1	0.025998338	<i>DHX16</i>
VAT	T2DM	ENSG00000204622.6	0.003874708	0.000545081	1	0.020608525	<i>HLA-J</i>
VAT	T2DM	ENSG00000205583.9	-0.004663256	0.000605825	1	0.022000999	<i>STAG3L1</i>
VAT	T2DM	ENSG00000205659.6	0.013929705	5.92E-05	0.163439295	0.004301034	<i>LIN52</i>
VAT	T2DM	ENSG00000206344.6	0.006049627	1.56E-06	0.004306495	0.000215325	<i>HCG27</i>
VAT	T2DM	ENSG00000212127.5	0.006931118	0.000456699	1	0.018813273	<i>TAS2R14</i>
VAT	T2DM	ENSG00000213221.4	0.003303608	0.000264432	0.729833697	0.012835216	<i>DNLZ</i>
VAT	T2DM	ENSG00000214530.3	0.008104697	2.48E-08	6.85E-05	8.56E-06	<i>STARD10</i>
VAT	T2DM	ENSG00000214706.6	-0.007948463	0.001583439	1	0.044594823	<i>IFRD2</i>
VAT	T2DM	ENSG00000224997.1	-0.01093914	0.00179818	1	0.048603276	<i>AL049840.1</i>
VAT	T2DM	ENSG00000226232.4	-0.011596183	1.93E-06	0.005316774	0.00025318	<i>NPIPBI4P</i>
VAT	T2DM	ENSG00000229391.3	0.007401732	1.13E-11	3.12E-08	7.80E-09	<i>HLA-DRB6</i>
VAT	T2DM	ENSG00000230224.1	-0.008906114	8.57E-05	0.236659854	0.005378633	<i>PHBP9</i>
VAT	T2DM	ENSG00000231742.1	-0.010177486	0.000430592	1	0.018283578	<i>LINC01273</i>
VAT	T2DM	ENSG00000232063.1	0.003223992	0.000933704	1	0.030144022	<i>AL691447.2</i>
VAT	T2DM	ENSG00000233569.1	-0.014619088	0.00034254	0.945411222	0.015006527	<i>AL161630.1</i>
VAT	T2DM	ENSG00000233609.3	0.010805618	0.000552576	1	0.02060958	<i>RPL10P19</i>
VAT	T2DM	ENSG00000237541.3	0.009563363	2.86E-12	7.90E-09	2.63E-09	<i>HLA-DQA2</i>
VAT	T2DM	ENSG00000237854.3	0.009184974	0.000510435	1	0.020125727	<i>LINC00674</i>
VAT	T2DM	ENSG00000243789.6	0.009055488	1.59E-07	0.000440096	4.40E-05	<i>JMJD7</i>
VAT	T2DM	ENSG00000253813.1	0.007209024	6.36E-05	0.175463387	0.004386585	<i>COX6B1P4</i>
VAT	T2DM	ENSG00000255837.1	0.00852175	0.001842074	1	0.048885823	<i>TAS2R20</i>
VAT	T2DM	ENSG00000261760.2	0.011258245	0.000232559	0.641862813	0.011886348	<i>AC140479.4</i>
VAT	T2DM	ENSG00000268879.1	-0.007799425	0.001604504	1	0.044731628	<i>IGFLIP1</i>
VAT	T2DM	ENSG00000269963.1	-0.014752128	0.000354924	0.979591251	0.015306113	<i>RP11-73M18.9</i>
VAT	T2DM	ENSG00000271581.1	0.018317717	1.81E-05	0.049924611	0.001721538	<i>AL671883.2</i>
VAT	T2DM	ENSG00000272221.1	-0.003379701	4.01E-05	0.110715073	0.003163288	<i>AL645933.2</i>
