

Network-based integration of omics with multi-objective optimization.

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ADDITIONAL FILE 1. Average gene fold changes (log2) calculated using GEO data set GSE25835.

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
10	0.000	0.010	0.055	-0.045	NAT2
100	0.246	-0.690	-0.343	-0.101	ADA
1000	0.327	3.049	2.988	0.388	CDH2
10000	0.790	-1.094	-0.326	-0.135	AKT3
10001	0.473	-2.701	-2.068	-0.160	MED6
10002	-0.011	0.004	0.018	-0.025	NR2E3
10003	0.029	-0.029	0.000	0.000	NAALAD2
10004	-0.057	0.208	-0.044	0.195	NAALADL1
10005	-0.122	0.881	1.046	-0.287	ACOT8
10006	0.547	-2.434	-1.609	-0.278	ABI1
10007	-0.090	-1.038	-1.332	0.204	GNPDA1
10009	0.015	0.019	0.035	-0.001	ZBTB33
1001	0.195	1.035	0.934	0.296	CDH3
10010	0.644	-0.606	0.199	-0.166	TANK
100126791	-0.976	-0.972	-2.086	0.138	EGOT
100127886	0.000	0.000	0.009	-0.009	LOC100127886
100127972	-0.002	0.183	0.398	-0.217	LOC100127972
100128124	0.000	0.000	0.000	0.000	HGC6.3
100128640	0.007	0.007	0.000	0.013	ACVR2B-AS1
100129250	-0.010	0.337	0.379	-0.052	LOC100129250
100129271	0.000	0.000	0.004	-0.004	C1orf68
100129460	0.000	0.008	0.033	-0.025	DPY19L1P1
100129482	0.053	0.220	0.282	-0.009	ZNF37BP
100129503	0.000	0.005	0.000	0.005	PP13
100129973	0.000	0.147	0.000	0.147	LOC100129973
10013	0.003	0.136	0.000	-0.003	HDAC6
100130331	0.013	-0.013	0.000	0.000	LOC100130331
100130449	-0.003	0.000	1.098	-1.101	PP14571
100130741	0.000	0.000	0.001	-0.001	LOC100130741
100130958	0.037	0.201	0.000	0.238	SYCE1L
100131510	-0.170	0.102	-0.068	0.000	LOC100131510
100131532	-0.030	0.015	0.023	-0.038	LOC100131532
100131755	-0.137	0.339	0.281	-0.079	ARMCX4
100131825	0.000	0.000	0.000	0.000	LOC100131825
100132285	0.000	0.034	0.000	0.034	KIR2DS2
100132341	-0.143	-1.187	-1.167	-0.163	KIAA0664L3
100132476	0.000	0.000	0.000	0.000	KRTAP4-7
100132923	0.000	0.035	0.000	0.035	FAM66D

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
100133941	0.034	-0.101	-0.076	0.039	CD24
100134713	0.042	-0.042	0.000	0.000	NDUFB2-AS1
100137047	-0.155	0.132	-0.142	0.119	JMJD7
10014	0.484	-1.100	-0.743	0.127	HDAC5
10015	-0.181	-0.236	-0.434	0.017	PDCD6IP
10016	-0.238	0.292	0.086	-0.088	PDCD6
100169750	-0.023	0.329	0.001	0.305	PRINS
10017	0.004	-0.007	-0.003	0.000	BCL2L10
100170939	-0.111	0.783	0.603	0.069	LOC100170939
10018	-0.171	-1.523	-1.707	0.013	BCL2L11
10019	0.266	-2.045	-1.368	-0.412	SH2B3
1002	0.032	0.089	0.000	0.121	CDH4
10020	0.736	0.592	1.949	-0.620	GNE
10021	0.057	-0.058	-0.001	0.000	HCN4
10022	0.000	0.065	0.000	0.064	INSL5
10023	0.179	0.209	0.935	-0.547	FRAT1
10024	0.000	0.247	0.073	0.174	TROAP
10025	-0.217	-0.130	-0.274	0.000	MED16
10026	-0.798	2.288	1.899	-0.408	PIGK
100272147	-0.294	1.079	1.017	-0.232	MTCP1NB
100272228	-0.051	0.109	0.193	-0.135	LOC100272228
100287387	0.000	0.055	0.049	0.006	LOC100287387
100287483	0.000	0.000	0.000	0.000	LOC100287483
100287590	0.003	0.028	0.164	-0.134	LOC100287590
100287932	0.181	-0.428	-0.470	0.223	TIMM23
100288413	0.023	-0.113	-0.088	-0.001	ERVMER34-1
100288594	-0.001	0.041	0.106	-0.065	LOC100288594
100289255	0.000	0.010	0.002	0.008	LINC00675
100289410	-0.173	-0.028	-0.162	-0.038	MCF2L-AS1
100293516	0.037	-0.831	-0.959	0.165	ZNF587B
100294145	0.052	0.014	0.320	-0.254	LOC100294145
1003	0.313	-3.305	-3.006	0.014	CDH5
10036	0.230	-0.150	0.365	-0.316	CHAF1A
10038	0.037	-0.302	-0.058	-0.185	PARP2
10039	-0.068	0.574	0.395	0.112	PARP3
1004	0.003	0.000	0.000	0.000	CDH6
10040	-0.615	0.449	-0.121	-0.045	TOM1L1
10042	0.252	-1.084	-0.288	-0.543	HMGXB4
10043	0.606	-1.487	-0.791	-0.091	TOM1
10044	0.000	0.000	0.003	-0.003	SH2D3C
10045	-0.166	-0.100	-0.148	-0.118	SH2D3A
10046	0.009	-0.388	0.048	-0.427	MAMLD1
100462953	0.064	0.294	0.652	-0.293	MINOS1P1
10047	0.000	0.000	0.009	-0.009	CST8
10048	0.005	-0.048	0.113	0.031	RANBP9

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10049	0.202	-1.771	-1.549	-0.020	DNAJB6
100499177	-0.027	-3.472	-2.831	-0.668	THAP9-AS1
1005	0.000	0.000	0.000	0.000	CDH7
10050	0.003	0.039	0.020	0.021	SLC17A4
100505494	-0.335	0.111	0.454	-0.678	ANKRD10-IT1
100505534	0.000	0.000	0.000	0.000	LOC100505534
100505650	-0.045	0.024	-0.048	0.027	LOC100505650
100505741	-0.008	0.000	-0.007	-0.001	SPATA1
100505761	-0.037	0.391	0.279	0.075	LOC100505761
100505852	0.000	0.000	0.005	-0.005	ZNF355P
100505879	0.000	0.000	0.000	0.000	KIF25-AS1
100506190	-0.450	0.116	-0.418	0.084	LOC100506190
100506282	0.108	0.203	0.039	0.272	LOC100506282
100506469	0.082	0.349	0.241	0.190	LOC100506469
100506571	0.000	0.000	0.074	-0.074	LOC100506571
100506603	-0.001	0.212	0.184	0.027	LOC100506603
100506658	-0.173	-2.429	-2.126	-0.476	OCLN
100506699	-0.001	-0.010	-0.007	-0.004	LOC100506699
100506898	-0.136	-0.018	-0.162	0.008	MAGOH2
100506963	-0.019	0.435	0.738	-0.323	LOC100506963
100507009	-0.019	0.180	0.355	-0.194	LOC100507009
100507249	0.000	0.007	0.000	0.007	C8orf17
100507284	0.088	0.059	0.007	0.140	LOC100507284
100507331	0.053	-0.053	0.068	-0.068	LOC100507331
100507397	0.153	-0.184	0.110	-0.142	LOC100507397
100507424	-0.024	0.022	0.073	-0.076	LOC100507424
100507436	0.566	-0.348	-0.463	0.682	MICA
100507605	0.000	0.000	0.000	0.000	LOC100507605
100507630	0.054	-0.042	0.010	0.002	LOC100507630
100508797	0.161	-0.402	-0.432	0.191	LOC100508797
100509635	-0.349	4.089	4.551	-0.810	LOC100509635
10051	-0.180	0.000	-0.142	-0.184	SMC4
10052	-0.340	-0.073	-0.409	-0.003	GJC1
10053	-0.467	1.578	1.168	-0.057	AP1M2
10054	-0.109	-0.789	-1.013	0.115	UBA2
10055	-0.380	0.050	-0.339	0.009	SAE1
10057	-0.118	1.067	0.718	0.231	ABCC5
10058	0.023	0.003	0.090	-0.064	ABCB6
10059	-0.123	-1.107	-0.702	-0.529	DNM1L
1006	0.066	0.095	-0.010	0.172	CDH8
10060	0.001	0.000	0.000	0.000	ABCC9
10061	0.102	-0.595	-0.863	0.009	ABCF2
10062	0.150	0.376	0.036	0.490	NR1H3
10063	-0.638	0.776	0.084	0.054	COX17
10066	-0.140	-1.685	-1.212	-0.613	SCAMP2

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10067	-0.103	0.480	0.406	-0.028	SCAMP3
10068	0.000	0.000	0.000	0.000	IL18BP
10069	-0.662	1.219	1.072	-0.515	RWDD2B
1007	-0.010	-0.001	-0.011	0.000	CDH9
10072	-0.552	1.804	1.476	-0.225	DPP3
10073	0.432	0.248	0.716	-0.037	SNUPN
10075	-0.014	0.000	0.002	-0.026	HUWE1
10076	0.083	1.218	1.544	-0.243	PTPRU
10077	0.107	-0.056	0.000	0.051	TSPAN32
10078	0.073	-1.918	-1.766	-0.080	TSSC4
10079	-0.551	1.335	0.698	0.086	ATP9A
1008	0.000	0.607	0.116	0.491	CDH10
10083	0.000	0.028	0.059	-0.022	USH1C
10084	0.048	-1.270	-0.964	-0.011	PQBP1
10085	-0.088	0.411	0.253	0.071	EDIL3
10086	0.050	-0.050	0.000	0.000	HHLA1
100861554	0.000	0.004	0.072	-0.068	LINC00563
10087	0.006	-1.107	0.111	-1.212	COL4A3BP
10089	0.000	0.000	0.000	0.000	KCNK7
1009	1.176	2.064	2.721	0.518	CDH11
10090	0.132	0.313	0.384	0.062	UST
10092	0.199	0.977	1.070	0.106	ARPC5
10093	-0.148	-0.442	-0.186	0.131	ARPC4
10094	-0.339	1.693	1.104	0.251	ARPC3
10095	-0.526	2.303	1.883	-0.106	ARPC1B
10096	0.129	-0.682	-0.675	0.107	ACTR3
10097	-0.109	0.121	0.077	-0.151	ACTR2
10098	-0.691	-1.107	-1.554	-0.244	TSPAN5
10099	-0.337	0.703	0.687	-0.321	TSPAN3
100996496	-0.800	0.880	0.253	-0.173	LOC100996496
101	-0.132	0.061	-0.074	0.003	ADAM8
1010	0.000	0.000	0.000	0.000	CDH12
10100	-0.118	2.619	1.607	0.895	TSPAN2
10101	-0.025	0.331	0.408	-0.103	NUBP2
10102	-0.034	0.169	0.279	-0.188	TSFM
10103	-0.960	4.922	4.203	-0.241	TSPAN1
10105	0.109	-4.010	-4.389	0.488	PPIF
10106	0.168	-1.671	-1.350	-0.154	CTDSP2
10107	0.006	0.000	0.000	0.000	TRIM10
10109	0.120	0.775	0.688	0.180	ARPC2
10110	0.000	0.213	0.000	0.213	SGK2
10111	-0.601	0.731	0.641	-0.511	RAD50
10112	0.018	1.383	1.007	0.395	KIF20A
10113	-0.291	0.161	0.280	-0.410	PREB
10114	0.129	-1.438	-1.114	-0.001	HIPK3

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10116	0.215	-3.041	-2.577	-0.214	FEM1B
1012	-0.125	0.888	0.741	0.022	CDH13
10120	-0.258	1.607	0.997	0.351	ACTR1B
10121	-0.087	-0.151	-0.263	0.025	ACTR1A
10123	0.044	1.138	1.472	-0.237	ARL4C
10124	0.292	0.769	1.032	0.029	ARL4A
10125	0.899	-0.781	0.497	-0.379	RASGRP1
10126	-0.324	0.630	0.263	0.043	DNAL4
10127	0.631	-2.418	-1.972	0.185	ZNF263
10128	0.055	-0.734	-0.165	-0.515	LRPPRC
10129	-0.134	-0.049	0.159	-0.081	FRY
1013	-0.004	0.010	-0.011	0.017	CDH15
10130	0.326	-0.277	0.364	-0.289	PDIA6
10131	-0.152	-0.714	-0.746	-0.121	TRAP1
10133	-0.071	0.885	0.651	0.163	OPTN
10134	-0.079	0.177	0.227	-0.130	BCAP31
10135	0.043	-1.500	-1.327	-0.130	NAMPT
10136	0.034	-0.016	-0.001	0.019	CELA3A
10137	0.222	-0.803	-0.568	-0.014	RBM12
10138	-0.217	-0.538	-0.881	0.126	YAF2
10139	-0.371	0.121	-0.376	0.127	ARFRP1
1014	0.001	0.082	0.000	0.083	CDH16
10140	-0.275	-0.642	-1.079	0.162	TOB1
10141	0.001	-0.001	0.000	0.000	C4orf6
10142	-0.049	0.815	0.353	0.000	AKAP9
10144	1.640	-2.081	-0.105	-0.279	FAM13A
10146	-0.127	-1.204	-1.213	-0.118	G3BP1
10147	-0.263	0.438	0.396	-0.222	SUGP2
10148	-0.015	0.000	0.009	-0.024	EBI3
10149	0.384	-0.445	-0.046	-0.015	GPR64
1015	-0.001	0.000	0.050	-0.051	CDH17
10150	0.038	-0.498	-0.627	0.172	MBNL2
10151	0.000	0.357	0.197	0.160	HNRNPA3P1
10152	0.045	-0.382	-0.129	-0.125	ABI2
10153	0.087	-1.558	-1.274	-0.197	CEBPZ
10154	0.001	0.075	0.004	-0.004	PLXNC1
10155	-0.202	-0.440	-0.945	0.303	TRIM28
10156	-0.129	0.191	-0.007	0.069	RASA4
10157	0.451	-0.787	-0.453	0.117	AASS
10158	1.011	-0.490	0.493	0.028	PDZK1IP1
10159	0.128	0.461	0.721	-0.041	ATP6AP2
1016	0.000	0.000	0.000	0.000	CDH18
10160	-0.629	1.429	1.128	-0.328	FARP1
10161	0.389	0.908	1.092	0.204	LPAR6
10162	-0.024	0.003	-0.122	0.100	LPCAT3

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10163	0.094	-0.730	-0.648	0.012	WASF2
10164	-0.092	0.019	0.286	-0.359	CHST4
10165	-0.537	1.566	1.387	-0.357	SLC25A13
10166	-0.416	0.510	0.337	-0.243	SLC25A15
10168	0.001	0.162	0.257	-0.095	ZNF197
10169	-0.236	1.152	0.514	0.402	SERF2
1017	0.229	-0.642	-0.697	0.000	CDK2
10170	-0.002	0.122	0.702	-0.582	DHRS9
10171	-0.053	-1.828	-1.892	0.011	RCL1
10174	0.019	-0.078	-0.040	-0.019	SORBS3
10175	0.082	0.197	0.264	0.016	CNIH
10178	0.038	-0.038	0.001	-0.001	ODZ1
10179	0.397	-1.506	-0.922	-0.187	RBM7
1018	-0.040	0.062	-0.048	0.070	CDK3
10180	-0.128	-0.281	-0.295	-0.114	RBM6
10181	-0.063	-0.515	-0.732	0.158	RBM5
10184	0.375	-1.469	-0.624	-0.469	LHFPL2
10186	0.885	-3.103	-2.480	0.262	LHFP
10188	-0.022	0.085	0.000	0.163	TNK2
1019	0.093	-0.323	-0.430	0.201	CDK4
10190	0.193	0.504	0.674	0.023	TXNDC9
10193	-0.288	-0.619	-0.790	-0.116	RNF41
10195	0.085	0.104	0.319	-0.131	ALG3
10196	-0.725	0.704	0.265	-0.285	PRMT3
10197	-0.180	-0.386	-0.628	-0.104	PSME3
10198	0.000	0.040	0.050	-0.019	MPHOSPH9
10199	0.488	-0.993	-0.496	-0.009	MPHOSPH10
102	-0.346	0.636	0.481	0.067	ADAM10
1020	-0.104	2.564	2.065	0.395	CDK5
10200	0.272	0.333	0.830	-0.224	MPHOSPH6
10201	-0.099	0.012	0.275	-0.362	NME6
10202	-0.062	0.240	0.315	-0.137	DHRS2
10203	1.840	-5.014	-3.126	-0.048	CALCRL
10204	0.452	0.096	0.166	0.381	NUTF2
10205	-0.007	0.721	0.760	-0.046	MPZL2
10206	0.434	-0.998	-0.132	-0.432	TRIM13
10207	-0.192	0.990	0.488	0.310	INADL
10208	0.541	-1.805	-1.239	-0.025	USPL1
10209	0.148	-2.653	-2.414	-0.061	EIF1
1021	0.035	0.118	0.393	-0.239	CDK6
10210	0.220	-1.529	-0.698	-0.611	TOPORS
10211	0.090	0.183	0.336	-0.053	FLOT1
10212	0.121	-2.507	-2.432	0.046	DDX39A
10213	-0.029	-0.239	-0.188	-0.080	PSMD14
10214	0.001	0.000	-0.016	0.000	SSX3

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10215	-0.017	0.026	-0.016	0.025	OLIG2
10216	0.092	-0.106	-0.014	0.000	PRG4
10217	0.028	0.450	1.028	-0.551	CTDSPL
10218	0.001	-0.001	0.000	0.000	ANGPTL7
10219	0.000	0.000	0.001	-0.001	KLRG1
1022	-0.126	-0.958	-0.986	-0.098	CDK7
10220	0.103	0.063	0.244	-0.078	GDF11
10221	0.265	-2.340	-1.687	-0.387	TRIB1
10223	0.000	0.000	0.000	0.000	GPA33
10224	-0.242	0.196	-0.395	0.349	ZNF443
10225	0.007	0.176	0.004	0.180	CD96
10226	0.323	0.498	0.603	0.218	PLIN3
10227	-0.266	1.422	1.331	-0.175	MFSD10
10228	-0.075	-0.495	-0.033	-0.124	STX6
10229	-0.029	0.152	-0.303	-0.036	COQ7
10230	0.000	0.000	0.063	-0.063	NBR2
10231	0.108	2.969	2.927	0.150	RCAN2
10232	0.004	0.045	-0.001	0.050	MSLN
10233	0.230	-0.433	0.165	-0.367	LRRC23
10234	0.057	1.117	1.062	0.111	LRRC17
10235	0.002	0.000	0.012	-0.012	RASGRP2
10236	-0.113	-0.387	-0.494	-0.005	HNRNPR
10237	0.299	-0.194	-0.016	0.121	SLC35B1
10238	-0.091	0.100	0.740	-0.337	DCAF7
10239	-0.215	0.623	0.367	0.041	AP3S2
1024	0.146	-0.060	0.045	0.042	CDK8
10240	-0.306	0.073	-0.103	-0.129	MRPS31
10241	0.071	-2.125	-1.907	-0.146	CALCOCO2
10242	-0.206	0.011	-0.206	0.011	KCNMB2
10243	0.008	-0.494	-0.193	-0.294	GPHN
10244	-0.263	0.461	0.073	0.125	RABEPK
10245	-0.245	0.020	-0.165	-0.060	TIMM17B
10246	-0.008	0.000	-0.008	0.000	SLC17A2
10247	-0.437	2.322	2.025	-0.140	HRSP12
10248	0.009	-0.298	-0.145	-0.143	POP7
10249	0.001	0.024	0.000	0.024	GLYAT
1025	0.090	-1.005	-1.068	0.153	CDK9
10250	0.224	-1.185	-0.790	-0.171	SRRM1
10252	0.920	-0.070	2.006	-1.157	SPRY1
10253	-0.130	0.206	0.535	-0.459	SPRY2
10254	-0.080	-0.091	-0.490	0.068	STAM2
10255	0.011	-0.036	-0.021	-0.004	HCG9
10256	-0.282	-0.306	-0.369	-0.219	CNKSRI1
10257	-0.153	0.473	0.296	0.024	ABCC4
1026	0.075	-1.100	-1.417	0.392	CDKN1A

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
10260	-0.206	-1.755	-1.771	-0.190	DENND4A
10261	0.000	0.016	0.020	-0.003	IGSF6
10262	-0.240	-1.027	-1.591	0.325	SF3B4
10263	0.528	-0.964	-0.686	0.250	CDK2AP2
10265	-0.615	1.199	0.995	-0.411	IRX5
10266	0.000	0.113	0.033	0.080	RAMP2
10267	0.106	0.625	0.609	0.122	RAMP1
10268	0.000	0.000	0.000	0.000	RAMP3
10269	-0.440	0.564	0.325	-0.202	ZMPSTE24
1027	-0.321	-0.579	-0.371	-0.530	CDKN1B
10270	0.219	-2.288	-1.823	-0.246	AKAP8
10272	-0.374	0.214	-0.294	0.135	FSTL3
10273	-0.077	0.742	0.451	0.215	STUB1
10274	-0.170	-0.570	-0.778	0.039	STAG1
10276	0.635	0.318	1.415	-0.461	NET1
10277	-0.245	0.194	0.294	-0.364	UBE4B
10278	0.104	0.664	0.913	-0.145	EFS
10279	-0.401	0.479	0.403	-0.325	PRSS16
1028	0.326	-1.267	-0.825	-0.160	CDKN1C
10280	-0.189	1.069	1.277	-0.397	SIGMAR1
10281	0.034	-0.034	0.000	0.000	DSCR4
10282	0.305	-0.709	-0.069	-0.334	BET1
10284	0.001	-0.575	-0.116	-0.120	SAP18
10285	0.260	-2.066	-1.810	0.004	SMNDC1
10286	-0.010	-0.761	-0.777	0.007	BCAS2
10287	0.028	0.231	0.121	0.137	RGS19
10288	0.013	0.098	0.009	0.102	LILRB2
10289	0.274	-2.101	-1.515	-0.312	EIF1B
1029	-0.007	3.100	2.546	0.547	CDKN2A
10290	0.141	0.725	1.023	-0.156	SPEG
10291	-0.028	-1.755	-1.347	-0.437	SF3A1
10293	0.000	0.000	0.000	0.000	TRAIP
10294	-0.031	-0.701	-0.836	0.104	DNAJA2
10295	0.815	-2.003	-0.874	-0.315	BCKDK
10296	-0.097	-0.817	-0.938	0.024	MAEA
10297	-0.010	0.005	0.084	-0.089	APC2
10298	-0.172	0.074	0.000	0.000	PAK4
10299	-0.092	0.001	-0.016	-0.076	6-Mar
103	-0.275	0.119	0.085	-0.241	ADAR
1030	0.183	0.816	0.421	0.579	CDKN2B
10300	0.099	0.318	0.368	0.050	KATNB1
10301	0.463	0.507	1.313	-0.343	DLEU1
10302	-0.150	0.350	0.284	-0.084	SNAPC5
10307	0.007	0.510	0.091	0.426	APBB3
10308	0.319	-2.161	-2.019	0.176	ZNF267

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
10309	-0.003	0.876	0.294	0.578	CCNO
1031	0.070	-0.100	-0.116	0.085	CDKN2C
10311	-0.276	-0.503	-0.744	-0.034	DSCR3
10312	0.112	0.097	-0.006	0.215	TCIRG1
10313	0.284	0.391	1.021	-0.346	RTN3
10314	-0.229	1.429	1.505	-0.305	LANCL1
10316	0.000	0.201	0.000	0.201	NMUR1
10317	0.000	0.191	0.000	0.191	B3GALT5
10318	0.120	-2.064	-1.929	-0.015	TNIP1
10319	0.131	-0.260	-0.042	-0.087	LAMC3
1032	-0.109	-0.023	-0.197	0.065	CDKN2D
10320	0.000	0.019	0.045	-0.006	IKZF1
10321	-0.433	0.000	-0.433	0.000	CRISP3
10322	0.022	-0.056	-0.005	-0.029	SMYD5
10324	-0.018	0.000	-0.018	0.000	KBTBD10
10325	0.101	0.004	0.141	-0.036	RRAGB
10326	0.005	-0.010	-0.003	-0.001	SIRPB1
10327	-0.601	2.034	1.003	0.430	AKR1A1
10328	-0.024	-0.982	-0.816	-0.190	EMC8
10329	0.041	0.642	0.877	-0.194	TMEM5
1033	0.105	0.630	1.019	-0.284	CDKN3
10330	-0.440	3.050	2.612	0.148	CNPY2
10331	0.197	1.148	1.667	-0.322	B3GNT3
10332	0.000	0.154	0.001	0.153	CLEC4M
10333	0.000	0.441	0.585	-0.144	TLR6
10336	-0.290	0.018	-0.189	-0.084	PCGF3
10342	0.201	-0.781	-0.653	0.073	TFG
10343	-0.085	0.527	-0.054	0.496	PKDREJ
10345	-0.032	0.000	-0.032	0.000	TRDN
10346	-0.266	2.451	1.986	0.199	TRIM22
10347	0.017	-0.023	0.040	-0.045	ABCA7
10351	0.510	-0.898	-0.381	-0.006	ABCA8
10352	0.094	-1.072	-1.294	0.316	WARS2
1036	0.382	-1.211	-0.878	0.049	CDO1
10360	0.628	-1.029	-0.278	-0.123	NPM3
10362	-0.241	1.445	0.633	0.054	HMG20B
10363	-0.632	-0.554	-0.668	-0.518	HMG20A
10365	0.589	-4.246	-3.327	-0.330	KLF2
10367	0.004	0.400	0.645	-0.242	MICU1
10368	0.053	-0.053	0.000	0.000	CACNG3
10369	0.001	-0.001	0.000	0.000	CACNG2
10370	-0.009	0.428	0.377	0.041	CITED2
10371	0.015	0.048	0.831	-0.768	SEMA3A
10376	0.059	-0.199	-0.438	0.263	TUBA1B
10379	0.272	0.818	0.818	0.272	IRF9

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
1038	0.000	0.011	0.000	0.011	CDR1
10380	0.000	0.000	0.000	0.000	BPNT1
10381	0.156	0.120	-0.191	0.467	TUBB3
10382	-0.003	0.171	-0.003	0.171	TUBB4A
10383	-0.138	-0.910	-1.367	0.319	TUBB4B
10384	0.219	-0.119	0.596	-0.496	BTN3A3
10385	-0.147	-0.400	-0.665	0.119	BTN2A2
10388	-0.690	1.492	1.284	-0.482	SYCP2
10389	0.084	-1.129	-1.136	0.091	SCML2
1039	0.019	-2.988	-3.027	0.058	CDR2
10390	0.374	-0.300	0.148	-0.074	CEPT1
10391	0.609	-0.674	0.189	-0.255	CORO2B
103910	-0.327	0.282	-0.141	0.097	MYL12B
10392	-0.092	0.447	0.421	-0.066	NOD1
10393	-0.233	0.145	0.128	-0.216	ANAPC10
10394	0.000	0.000	0.001	-0.001	PRG3
10395	0.235	-0.150	-0.011	-0.006	DLC1
10396	0.019	-0.003	-0.024	0.040	ATP8A1
10397	1.085	-3.665	-2.231	-0.350	NDRG1
10398	-0.637	3.801	2.033	1.131	MYL9
10399	-0.124	-0.859	-1.099	0.116	GNB2L1
104	-0.053	0.070	0.000	0.064	ADARB1
1040	-0.064	0.885	0.849	-0.028	CDS1
10400	-0.224	0.061	-0.102	-0.062	PEMT
10401	0.003	0.134	0.073	0.064	PIAS3
10402	0.008	3.055	3.542	-0.478	ST3GAL6
10403	0.009	0.348	0.703	-0.346	NDC80
10404	0.003	2.290	2.210	0.084	CPQ
10406	0.531	-0.754	-0.398	0.174	WFDC2
10407	0.000	0.000	0.002	-0.002	SPAG11B
10408	-0.025	0.000	-0.025	0.000	MYCNOS
10409	-0.026	0.386	0.067	0.293	BASP1
1041	0.000	0.426	0.234	0.191	CDSN
10410	-0.421	-0.394	-0.630	-0.184	IFITM3
10411	0.024	0.145	0.149	0.020	RAPGEF3
10412	-0.019	0.094	0.050	0.025	NSA2
10413	0.254	-1.823	-1.501	-0.067	YAP1
10417	0.848	0.852	1.540	0.161	SPON2
10418	0.316	0.390	-0.136	0.833	SPON1
10419	-0.169	-0.603	-0.861	0.089	PRMT5
10420	0.165	-1.296	-0.666	-0.466	TESK2
10421	-0.282	-0.396	-0.601	-0.077	CD2BP2
10422	0.068	0.733	1.029	-0.229	UBAC1
10423	-0.110	1.192	0.734	0.348	CDIPT
10424	0.095	0.452	0.590	-0.043	PGRMC2

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
10425	0.069	-0.927	-0.837	0.022	ARIH2
10426	-0.229	0.502	0.326	-0.053	TUBGCP3
10427	-0.074	-0.642	-0.817	0.101	SEC24B
10428	0.325	-0.449	0.179	-0.302	CFDP1
1043	0.057	0.070	0.043	0.083	CD52
10430	-0.217	0.602	0.323	0.062	TMEM147
10432	0.416	-2.541	-2.134	0.010	RBM14
10434	-0.154	1.140	1.300	-0.313	LYPLA1
10435	0.499	-0.662	-0.168	0.004	CDC42EP2
10436	-0.140	-0.174	-0.335	0.020	EMG1
10437	-0.807	0.381	-0.907	0.481	IFI30
10438	-0.056	0.034	0.092	-0.114	C1D
10439	0.473	-0.830	-0.526	-0.001	OLFM1
1044	0.000	0.000	0.237	-0.237	CDX1
10440	0.039	-0.302	-0.230	0.090	TIMM17A
10443	-0.136	0.036	0.610	-0.216	N4BP2L2
10444	0.006	-0.024	0.000	0.077	ZER1
10445	-0.286	0.272	0.330	-0.344	MCRS1
10446	-0.004	0.000	-0.004	0.000	LRRN2
10447	0.467	0.825	1.644	-0.351	FAM3C
10449	-0.289	0.793	0.573	-0.068	ACAA2
1045	0.023	0.076	0.000	0.099	CDX2
10450	-0.178	0.087	0.022	-0.114	PPIE
10451	0.739	-1.638	-0.810	-0.089	VAV3
10452	0.230	-0.701	-1.165	0.694	TOMM40
10454	-0.004	0.149	0.027	0.119	TAB1
10455	-0.102	1.002	0.611	0.289	ECI2
10456	-0.242	-0.186	-0.645	0.217	HAX1
10457	0.545	1.194	1.128	0.611	GPNMB
10458	0.212	-0.393	-0.249	0.043	BAIAP2
1046	0.000	0.000	0.000	0.000	CDX4
10460	0.000	0.049	0.104	-0.054	TACC3
10461	0.621	-0.937	-0.147	-0.002	MERTK
10462	-0.038	-0.002	-0.040	0.000	CLEC10A
10463	-0.318	1.225	1.203	-0.297	SLC30A9
10464	-0.220	-0.041	-0.053	-0.208	PIBF1
10465	0.157	0.284	0.483	-0.041	PPIH
10466	0.525	-0.083	1.003	-0.561	COG5
10467	-0.201	1.410	1.272	-0.062	ZNHIT1
10468	0.043	0.612	-0.070	0.726	FST
10469	-0.112	-2.218	-2.161	-0.169	TIMM44
1047	-0.071	0.000	-0.071	0.000	CLGN
10471	0.038	-0.258	0.184	-0.404	PFDN6
10472	-0.250	0.333	0.161	-0.078	ZNF238
10473	0.151	0.295	0.308	-0.009	HMGN4

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
10474	0.004	0.479	0.607	-0.125	TADA3
10475	0.169	0.782	1.179	-0.272	TRIM38
10476	-0.334	1.274	0.954	-0.014	ATP5H
10477	-0.355	2.313	1.954	0.005	UBE2E3
10478	-0.048	-0.332	-0.287	-0.094	SLC25A17
10479	-0.226	1.859	1.916	-0.283	SLC9A6
1048	-1.161	2.106	1.119	-0.174	CEACAM5
10480	-0.239	-0.282	-0.435	-0.127	EIF3M
10481	0.000	0.000	0.001	-0.001	HOXB13
10482	-0.361	-2.993	-3.168	-0.185	NXF1
10483	-0.117	-0.850	-0.435	-0.294	SEC23B
10484	0.209	-0.616	-0.674	0.266	SEC23A
10485	0.057	-0.120	-0.056	-0.007	C1orf61
10486	-0.601	1.284	0.934	-0.251	CAP2
10487	0.117	0.337	0.285	0.169	CAP1
10488	0.038	-0.136	-0.267	0.169	CREB3
10489	-0.006	-0.239	-0.243	-0.002	LRRC41
10490	-0.265	1.112	1.116	-0.269	VTI1B
10491	0.124	0.155	1.037	-0.758	CRTAP
10492	-0.097	-0.556	-0.201	-0.061	SYNCRIP
10493	0.135	0.533	0.531	0.137	VAT1
10494	-0.107	0.378	0.072	0.198	STK25
10495	-0.016	0.117	0.085	0.007	ENOX2
10497	-0.194	0.785	0.678	-0.086	UNC13B
10499	-0.007	-0.008	0.200	-0.153	NCOA2
105	0.000	0.000	0.000	0.000	ADARB2
1050	1.506	-1.605	-0.191	0.092	CEBPA
10500	0.000	0.000	0.000	0.000	SEMA6C
10501	0.336	-0.335	0.000	0.000	SEMA6B
10505	-0.047	0.475	0.480	-0.052	SEMA4F
10507	0.030	-0.013	0.138	-0.121	SEMA4D
1051	0.085	-0.660	-0.565	-0.010	CEBPB
10512	-0.672	2.557	1.658	0.226	SEMA3C
10513	-0.112	-0.304	-0.381	0.151	APPBP2
10514	-0.016	-0.042	0.089	-0.147	MYBBP1A
10516	1.350	-3.560	-2.661	0.450	FBLN5
10518	0.000	0.344	0.135	0.175	CIB2
10519	-0.764	-0.271	-1.048	0.013	CIB1
1052	0.370	-2.902	-2.318	-0.214	CEBPD
10520	-0.603	-0.172	-1.102	0.327	ZNF211
10521	0.215	-1.335	-0.549	-0.217	DDX17
10522	0.074	0.342	0.132	0.284	DEAF1
10523	-0.030	-0.657	-0.849	0.162	CHERP
10524	0.229	-1.408	-1.260	0.212	KAT5
10525	0.233	-1.327	-1.267	0.174	HYOU1

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
10526	-0.125	0.198	-0.122	0.195	IPO8
10527	0.070	-1.233	-0.807	-0.439	IPO7
10528	-0.163	-1.285	-1.459	0.011	NOP56
10529	-0.158	0.492	0.329	-0.248	NEBL
1053	0.000	0.256	0.044	0.212	CEBPE
10531	-0.314	-0.643	-0.944	-0.014	PITRM1
10533	-0.346	0.264	-0.014	-0.068	ATG7
10534	-0.083	-0.617	-0.938	0.239	SSSCA1
10535	-0.469	1.053	0.671	-0.087	RNASEH2A
10536	0.000	0.033	0.000	0.033	LEPREL2
10538	-0.372	-1.403	-1.667	-0.108	BATF
10539	-0.055	-0.025	-0.361	0.278	GLRX3
1054	0.293	-4.779	-4.019	-0.468	CEBPG
10540	-0.036	0.298	0.134	0.128	DCTN2
10541	0.106	-0.736	-0.421	-0.209	ANP32B
10542	0.155	0.030	0.098	0.088	HBXIP
10544	0.217	-1.300	-0.781	-0.302	PROCR
10548	0.034	-0.112	0.027	-0.106	TM9SF1
10549	-0.100	1.185	1.151	-0.065	PRDX4
10550	0.105	1.820	1.959	-0.033	ARL6IP5
10551	-2.688	2.197	1.070	-1.560	AGR2
10552	-0.271	0.802	0.571	-0.040	ARPC1A
10553	-0.111	0.479	0.351	0.017	HTATIP2
10554	-0.003	0.732	0.573	0.155	AGPAT1
10555	-0.146	0.338	0.330	-0.138	AGPAT2
10556	-0.154	-0.227	-0.569	0.188	RPP30
10557	0.334	-0.900	-0.690	0.124	RPP38
10558	0.105	0.097	0.181	0.021	SPTLC1
10559	0.203	2.923	3.254	-0.129	SLC35A1
1056	-0.049	0.000	-0.049	0.000	CEL
10560	0.046	-4.322	-3.698	-0.579	SLC19A2
10561	0.083	1.524	0.964	0.643	IFI44
10562	2.445	-6.257	-1.687	-2.125	OLFM4
10563	-3.867	0.309	-3.865	0.308	CXCL13
10564	-0.230	0.058	0.006	0.052	ARFGEF2
10565	-0.292	0.431	0.839	-0.461	ARFGEF1
10566	0.000	0.000	0.000	0.000	AKAP3
10567	-0.017	1.458	0.852	0.589	RABAC1
10568	0.539	0.790	1.172	0.157	SLC34A2
1057	0.000	0.058	0.075	-0.018	CELP
10570	0.000	0.000	-0.001	0.000	DPYSL4
10572	0.013	-0.310	-0.234	-0.002	SIVA1
10573	-0.122	0.088	-0.062	0.028	MRPL28
10574	-0.027	-0.658	-0.972	0.287	CCT7
10575	0.202	-0.839	-0.647	0.010	CCT4

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
10576	-0.111	-0.665	-0.799	0.023	CCT2
10577	-0.414	4.046	3.141	0.491	NPC2
10578	0.190	-0.190	0.010	-0.010	GNLY
10579	-0.366	-0.019	-0.289	-0.096	TACC2
1058	-0.249	0.081	0.090	-0.258	CENPA
10580	0.000	0.000	0.022	-0.022	SORBS1
10581	-0.459	-0.896	-0.963	-0.392	IFITM2
10584	0.084	-0.066	-0.002	0.020	COLEC10
10585	0.025	0.623	0.767	-0.119	POMT1
10586	-0.004	0.148	0.004	0.140	MAB21L2
10587	-0.093	0.253	-0.024	0.184	TXNRD2
10588	-0.211	1.167	1.339	-0.383	MTHFS
10589	-0.152	-0.595	-1.005	0.258	DRAP1
1059	-0.336	0.431	0.074	0.021	CENPB
10590	0.018	0.228	0.005	0.241	SCGN
10591	-0.203	1.864	1.258	0.331	C6orf108
10592	-0.067	0.410	0.816	-0.474	SMC2
10594	-0.319	0.192	0.123	-0.250	PRPF8
10595	-0.044	0.311	-0.056	0.323	ERN2
10598	0.284	-1.401	-1.037	-0.080	AHSA1
10599	0.001	-0.002	0.042	-0.043	SLCO1B1
1060	0.261	-0.517	-0.440	0.184	CENPC1
10600	0.145	-0.721	-0.390	-0.186	USP16
10602	0.264	-0.728	-0.606	0.032	CDC42EP3
10603	-0.122	0.092	-0.120	0.090	SH2B2
10605	0.078	0.578	0.700	-0.101	PAIP1
10606	-0.002	-0.927	-0.671	-0.093	PAICS
10607	-0.128	0.275	-0.143	0.290	TBL3
10608	-0.001	0.244	0.019	0.330	MXD4
10609	-0.275	3.331	2.760	0.296	LEPREL4
10610	-0.136	3.793	2.968	0.690	ST6GALNAC2
10611	0.179	-1.931	-1.318	-0.087	PDLIM5
10612	-0.026	0.021	0.000	0.020	TRIM3
10613	0.212	0.099	0.701	-0.390	ERLIN1
10614	0.012	-1.405	-1.091	-0.160	HEXIM1
10615	0.362	-0.713	-0.147	-0.205	SPAG5
10616	-0.105	-0.129	-0.131	-0.103	RBCK1
10617	0.106	0.489	0.649	-0.054	STAMBP
10618	-0.552	1.157	0.905	-0.491	TGOLN2
1062	0.001	0.065	0.215	-0.150	CENPE
10620	-0.221	-0.653	-0.789	-0.086	ARID3B
10621	-0.058	-0.115	-0.256	0.082	POLR3F
10622	0.033	0.292	0.326	-0.001	POLR3G
10623	-0.488	-0.924	-1.211	-0.201	POLR3C
10625	0.304	1.398	1.894	-0.016	IVNS1ABP

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
10626	-0.090	-0.971	-1.165	0.104	TRIM16
10627	0.033	0.124	0.067	0.089	MYL12A
10628	0.568	0.023	1.152	-0.334	TXNIP
10629	-0.017	0.000	-0.017	0.000	TAF6L
1063	0.000	0.012	0.208	0.000	CENPF
10630	0.141	-1.568	-1.609	0.000	PDPN
10631	0.028	1.623	1.704	-0.053	POSTN
10632	0.141	0.522	0.674	0.034	ATP5L
10633	0.001	-0.012	-0.011	0.000	RASL10A
10634	0.114	1.360	1.901	-0.180	GAS2L1
10635	-0.031	0.260	0.053	0.177	RAD51AP1
10636	0.000	0.096	0.178	-0.033	RGS14
10637	-0.166	0.000	-0.161	-0.005	LEFTY1
10640	-0.281	-0.689	-0.912	-0.059	EXOC5
10641	-0.314	0.357	0.226	-0.183	NPRL2
10643	0.000	0.132	0.018	0.132	IGF2BP3
10644	0.823	0.583	1.610	-0.204	IGF2BP2
10645	0.011	0.022	0.184	0.001	CAMKK2
10647	-2.060	3.323	1.928	-0.664	SCGB1D2
10648	0.010	-0.010	0.000	0.000	SCGB1D1
10650	0.014	0.006	-0.001	0.022	SLMO1
10651	-0.366	1.495	0.881	0.248	MTX2
10652	0.099	-1.483	-1.442	0.057	YKT6
10653	-0.517	1.148	0.566	0.065	SPINT2
10654	-0.745	1.629	1.233	-0.349	PMVK
10656	0.440	-1.125	-0.544	-0.141	KHDRBS3
10657	0.107	-0.723	-0.447	-0.169	KHDRBS1
10658	-0.180	-0.329	-0.434	-0.127	CELF1
10659	0.321	0.146	0.923	-0.522	CELF2
1066	0.591	5.178	5.451	0.318	CES1
10660	0.000	0.003	0.000	0.003	LBX1
10661	0.040	-0.040	0.000	0.000	KLF1
10663	0.069	-0.073	0.016	-0.019	CXCR6
10664	-0.310	-0.133	-0.225	-0.218	CTCF
10665	0.000	0.000	0.081	-0.081	C6orf10
10666	-0.002	0.000	0.007	-0.008	CD226
10667	-0.213	0.790	0.422	0.000	FARS2
10668	0.103	-1.723	-1.098	-0.522	CGRRF1
10669	0.284	-0.279	0.005	0.000	CGREF1
10670	0.060	0.046	0.149	-0.043	RRAGA
10671	-0.003	-0.189	-0.199	0.007	DCTN6
10672	0.180	-3.506	-3.411	0.085	GNA13
10675	-0.035	-0.103	-0.146	0.008	CSPG5
10677	-0.248	-0.517	-0.438	-0.327	AVIL
10678	0.061	-0.772	-0.124	-0.587	B3GNT2

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
1068	0.018	0.010	0.000	0.028	CETN1
10681	-0.009	0.614	1.040	-0.552	GNB5
10682	0.112	0.163	0.201	0.178	EBP
10683	0.000	0.001	0.000	0.001	DLL3
10686	0.000	0.104	0.076	0.028	CLDN16
10687	-0.086	0.005	-0.081	0.000	PNMA2
1069	-0.460	1.645	0.964	0.221	CETN2
10690	0.000	0.018	0.002	0.000	FUT9
10691	0.452	-1.865	-0.532	-0.880	GMEB1
10692	0.000	0.000	0.000	0.000	RRH
10693	-0.131	-0.150	-0.486	0.205	CCT6B
10694	0.084	-0.198	-0.226	0.112	CCT8
10695	0.060	0.272	0.625	-0.293	CNPY3
10699	0.000	0.000	0.000	0.000	CORIN
107	0.000	0.058	0.000	0.017	ADCY1
1070	-0.541	1.949	1.635	-0.227	CETN3
1071	0.000	0.000	0.000	0.000	CETP
10712	-0.203	0.700	0.459	0.039	FAM189B
10713	0.155	-0.848	-0.487	-0.205	USP39
10714	0.311	-1.185	-0.857	-0.017	POLD3
10716	0.000	0.295	0.000	0.295	TBR1
1072	-0.039	0.355	0.190	0.126	CFL1
10721	-0.039	-0.022	-0.057	-0.005	POLQ
10723	-0.806	-0.782	-1.516	-0.072	SLC12A7
10724	-0.371	0.297	0.119	-0.193	MGEA5
10725	0.048	-1.905	-0.720	-1.137	NFAT5
10726	0.009	-1.437	-1.350	-0.077	NUDC
10728	-0.054	-0.735	-0.698	-0.092	PTGES3
10730	0.000	0.000	-0.006	-0.068	YME1L1
10732	-0.264	0.745	0.864	-0.383	TCFL5
10733	0.000	0.092	0.076	-0.006	PLK4
10734	-0.002	0.030	0.139	-0.112	STAG3
10735	0.094	-0.752	-0.305	-0.354	STAG2
10736	0.193	-0.039	-0.011	0.166	SIX2
10737	-1.224	-0.827	-2.015	-0.036	RFPL3-AS1
10738	-0.155	0.007	-0.154	0.006	RFPL3
10739	-0.022	-0.003	0.066	-0.091	RFPL2
10740	0.001	0.455	0.064	0.392	RFPL1-AS1
10741	0.000	0.190	0.038	0.152	RBBP9
10742	-0.045	-1.960	-2.510	0.504	RAI2
10743	-0.041	0.374	-0.054	0.387	RAI1
10744	0.000	0.000	0.000	0.000	PTTG2
10745	-0.250	0.585	0.215	-0.036	PHTF1
10746	-0.321	-1.202	-0.972	-0.551	MAP3K2
10747	0.000	0.000	0.000	0.000	MASP2

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
10748	0.000	0.000	0.000	0.000	KLRAP1
10749	-0.118	1.425	0.987	0.320	KIF1C
1075	0.462	3.381	3.747	0.096	CTSC
10750	0.011	-0.025	-0.014	0.000	GRAP
10752	-0.087	2.383	2.257	0.038	CHL1
10753	-0.001	0.000	-0.001	0.000	CAPN9
10755	-0.058	0.509	0.449	0.002	GIPC1
10758	0.469	-1.012	-0.662	0.118	TRAF3IP2
10761	-0.143	0.000	-0.143	0.000	PLAC1
10762	-0.236	-0.405	-0.489	-0.168	NUP50
10763	0.570	1.822	1.765	0.627	NES
10765	0.070	-0.881	-0.907	0.011	KDM5B
10766	0.338	-2.468	-1.485	-0.645	TOB2
10767	-0.118	-0.320	-0.744	-0.016	HBS1L
10768	-0.059	0.137	0.448	-0.263	AHCYL1
10769	-0.533	-1.079	-1.826	0.215	PLK2
10771	-0.367	0.668	0.219	0.082	ZMYND11
10772	0.093	-0.798	-0.492	-0.220	SRSF10
10773	-0.100	-0.325	-0.403	-0.022	ZBTB6
10775	-0.131	0.537	0.459	-0.052	POP4
10776	-0.063	-1.630	-1.330	-0.060	ARPP19
10777	-0.051	0.000	-0.051	0.000	ARPP21
10778	0.298	-0.099	0.760	-0.562	ZNF271
10780	-0.016	0.100	0.081	0.003	ZNF234
10781	0.079	-0.795	-0.858	0.141	ZNF266
10782	0.478	-2.432	-1.446	-0.508	ZNF274
10785	-0.171	0.230	-0.165	0.224	WDR4
10786	0.000	0.000	0.000	0.000	SLC17A3
10787	-0.143	-0.191	0.064	-0.397	NCKAP1
10788	0.355	1.099	2.898	-1.444	IQGAP2
10791	-0.216	-0.149	-0.235	-0.130	VAMP5
10793	-0.264	-0.126	-0.381	-0.010	ZNF273
10794	0.023	-0.676	-0.631	-0.022	ZNF460
10795	0.322	-0.281	0.101	-0.060	ZNF268
10797	0.012	-3.278	-3.609	0.343	MTHFD2
10798	0.000	0.076	0.000	0.076	OR5I1
10799	0.093	-0.437	-0.497	0.153	RPP40
108	-0.001	0.158	-0.001	0.085	ADCY2
1080	0.000	0.420	0.254	0.166	CFTR
10800	0.004	0.018	0.000	0.023	CYSLTR1
10801	0.005	0.225	0.406	-0.175	9-Sep
10802	0.400	-3.223	-2.526	-0.296	SEC24A
10803	0.015	0.014	0.002	0.027	CCR9
10807	0.005	-0.706	-0.589	-0.112	SDCCAG3
10808	0.402	-2.779	-1.885	-0.492	HSPH1

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
1081	-0.398	0.000	-0.398	0.000	CGA
10810	0.314	-0.846	-0.542	0.010	WASF3
10813	-0.277	-0.440	-0.556	-0.161	UTP14A
10814	0.004	0.055	0.000	0.059	CPLX2
10816	0.001	0.068	0.000	0.069	SPINT3
10817	0.000	0.000	0.072	-0.072	FRS3
10818	-0.075	-2.010	-1.839	-0.247	FRS2
10819	-0.008	0.903	2.031	-1.136	OR7E14P
10824	0.000	-0.002	0.019	-0.021	EPAG
10825	0.000	0.000	0.000	0.000	NEU3
10826	-0.018	1.134	0.939	0.018	C5orf4
10827	-0.148	0.399	0.533	-0.281	FAM114A2
1084	0.000	0.000	0.000	-0.005	CEACAM3
10840	-0.103	-0.008	-0.047	-0.064	ALDH1L1
10841	0.052	-0.052	0.014	-0.014	FTCD
10842	0.000	0.074	0.002	0.071	PPP1R17
10844	-0.017	0.074	0.000	0.077	TUBGCP2
10845	-0.056	-0.874	-0.585	-0.345	CLPX
10846	-0.074	-0.170	-0.243	0.000	PDE10A
10847	0.080	-0.559	-0.735	0.189	SRCAP
10848	-0.010	-0.107	-0.283	0.165	PPP1R13L
10849	-0.140	-0.551	-0.497	-0.195	CD3EAP
10850	0.003	-0.005	-0.001	0.000	CCL27
10855	0.002	-0.011	0.075	-0.084	HPSE
10856	-0.070	0.014	-0.425	0.369	RUVBL2
10857	0.048	-0.068	0.133	-0.154	PGRMC1
10858	0.000	0.020	0.000	0.020	CYP46A1
10859	-0.016	0.023	0.064	-0.057	LILRB1
10861	0.000	0.000	0.000	0.000	SLC26A1
10863	-0.001	0.185	0.932	-0.820	ADAM28
10864	0.000	0.123	0.021	0.187	SLC22A7
10865	0.243	-0.003	0.125	0.115	ARID5A
10866	1.258	-1.112	0.182	-0.036	HCP5
10867	-0.045	0.449	0.672	-0.268	TSPAN9
10868	-0.007	0.064	0.013	0.044	USP20
10869	0.012	0.001	0.169	-0.157	USP19
1087	0.012	0.162	0.067	0.115	CEACAM7
10871	0.010	-0.010	0.000	0.000	CD300C
10873	-0.215	-0.114	-0.328	-0.002	ME3
10874	0.000	0.209	1.048	-0.839	NMU
10875	1.261	-3.515	-2.275	0.021	FGL2
10876	0.000	0.000	0.000	0.000	EDDM3A
10877	0.000	0.655	0.219	0.436	CFHR4
10879	-0.681	0.133	-0.264	-0.284	SMR3B
1088	-0.001	0.000	-0.001	0.000	CEACAM8

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
10880	-0.046	0.000	-0.046	0.000	ACTL7B
10881	0.000	0.000	0.000	0.000	ACTL7A
10882	0.013	0.058	0.009	0.062	C1QL1
10884	0.279	-2.125	-1.676	-0.169	MRPS30
10885	-0.242	-0.552	-1.146	0.353	WDR3
1089	0.000	0.000	0.000	0.000	CEACAM4
10891	0.004	0.120	0.114	0.010	PPARGC1A
10892	0.230	-1.002	-0.365	-0.360	MALT1
10893	-0.023	0.338	0.263	0.069	MMP24
10894	-0.555	-1.085	-1.648	0.008	LYVE1
10895	0.002	-0.002	0.000	0.000	PPBPP2
10896	0.227	0.019	-0.001	0.247	OCLM
10897	-0.162	0.640	-0.069	0.547	YIF1A
10898	0.209	-0.472	-0.522	0.260	CPSF4
10899	-0.296	0.075	-0.010	-0.166	JTB
109	0.114	-0.731	-0.947	0.331	ADCY3
10900	0.002	0.035	-0.008	0.045	RUNDC3A
10902	-0.036	0.137	0.273	-0.171	BRD8
10903	-0.286	1.084	1.178	-0.381	MTMR11
10904	0.165	0.729	1.112	-0.217	BLCAP
10905	-0.386	0.653	0.039	-0.039	MAN1A2
10906	-1.111	-0.370	-1.597	0.116	TRAFD1
10907	-0.089	0.264	0.165	0.010	TXNL4A
10908	0.103	1.024	1.120	0.006	PNPLA6
10911	-0.008	0.082	0.044	0.030	UTS2
10912	0.180	-0.790	-0.612	0.002	GADD45G
10913	-0.033	0.372	0.231	0.107	EDAR
10914	0.065	-1.344	-1.158	-0.071	PAPOLA
10915	-0.129	-1.275	-1.304	-0.100	TCERG1
10916	-0.564	1.966	1.348	0.054	MAGED2
10917	0.010	0.082	-0.024	0.117	BTNL3
10919	-0.216	0.997	0.952	-0.172	EHMT2
10920	0.197	-0.638	-0.611	0.169	COPS8
10921	-0.135	-1.155	-1.483	0.193	RNPS1
10922	-0.073	0.418	0.442	0.108	FASTK
10923	0.142	-0.794	-0.305	-0.020	SUB1
10924	0.392	0.676	1.094	-0.026	SMPDL3A
10926	-0.102	-0.531	-0.911	0.279	DBF4
10927	0.029	-0.466	0.242	-0.679	SPIN1
10928	-0.016	0.188	0.298	-0.126	RALBP1
10929	-0.184	0.345	0.020	0.140	SRSF8
10930	-0.048	-0.035	-0.083	0.000	APOBEC2
10933	0.084	0.271	0.179	0.176	MORF4L1
10935	-0.281	0.845	0.773	-0.208	PRDX3
10936	-0.204	-0.041	-0.245	0.000	GPR75

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
10938	0.176	-1.610	-1.510	0.118	EHD1
10939	-0.085	-0.567	-0.740	0.088	AFG3L2
10940	-0.202	0.174	-0.193	0.166	POP1
10942	-0.068	0.133	0.501	-0.436	PRSS21
10943	0.030	-0.153	-0.115	-0.008	MSL3
10944	-0.079	-0.071	-0.118	-0.033	C11orf58
10945	0.096	0.095	0.094	0.098	KDELR1
10946	0.311	-0.383	-0.075	0.003	SF3A3
10947	0.376	0.634	1.393	-0.383	AP3M2
10948	-0.080	-0.004	-0.092	0.008	STARD3
10949	0.230	-0.936	-0.609	-0.097	HNRNPA0
10950	0.291	-2.201	-2.186	0.275	BTG3
10951	0.256	-0.850	-0.198	-0.395	CBX1
10952	0.099	-0.910	-1.000	0.189	SEC61B
10953	-0.279	-1.241	-1.305	-0.215	TOMM34
10954	0.250	-0.427	0.020	-0.197	PDIA5
10955	-0.082	0.458	0.542	-0.128	SERINC3
10956	-0.470	1.394	0.684	0.240	OS9
10957	0.445	-1.948	-1.319	-0.184	PNRC1
10959	0.017	-0.453	-0.174	-0.184	TMED2
10960	0.023	0.085	0.115	-0.006	LMAN2
10961	-0.137	1.000	0.992	-0.129	ERP29
10962	1.040	3.104	3.740	0.405	MLLT11
10963	0.357	-2.828	-2.182	-0.290	STIP1
10964	0.008	0.710	0.622	0.096	IFI44L
10966	0.253	-0.788	-0.546	0.011	RAB40B
10969	0.049	-1.073	-0.689	-0.334	EBNA1BP2
10970	-0.339	0.420	0.010	0.071	CKAP4
10971	0.038	-0.177	-0.221	0.084	YWHAQ
10972	-0.050	0.487	0.613	-0.176	TMED10
10973	-0.587	1.230	0.708	-0.064	ASCC3
10974	-0.552	2.384	2.285	-0.453	C10orf116
10975	-0.442	1.937	1.095	0.400	UQCR11
10978	0.302	-2.040	-1.626	-0.112	CLP1
10979	0.224	-2.370	-2.465	0.313	FERMT2
10980	-0.007	0.751	0.928	-0.185	COPS6
10981	-0.167	-1.267	-1.797	0.362	RAB32
10982	0.338	-0.040	-0.075	0.000	MAPRE2
10983	0.092	-0.551	-0.291	-0.168	CCNI
10985	-0.273	-0.314	-0.634	0.047	GCN1L1
10987	-0.019	0.306	0.316	-0.029	COPS5
10988	0.093	-0.759	-0.195	-0.130	METAP2
10989	-0.162	0.260	0.209	-0.111	IMMT
10990	0.001	-0.001	0.000	0.000	LILRB5
10991	0.000	0.000	0.000	0.000	SLC38A3

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
10992	-0.229	-0.522	-0.697	-0.055	SF3B2
10993	0.187	-0.493	-0.305	0.000	SDS
10994	-0.194	-0.423	-0.355	-0.262	ILVBL
10998	-0.162	0.086	-0.187	0.111	SLC27A5
11000	0.020	1.076	0.926	0.170	SLC27A3
11001	-0.135	1.513	0.258	1.120	SLC27A2
11004	0.011	0.139	0.037	0.113	KIF2C
11005	-0.003	1.434	1.185	0.246	SPINK5
11006	0.030	0.224	0.005	0.249	LILRB4
11007	-0.015	-0.391	-0.833	0.288	CCDC85B
11009	-0.741	-1.163	-1.990	0.086	IL24
1101	0.000	0.000	0.000	0.000	CHAD
11010	0.704	-0.420	0.277	-0.054	GLIPR1
11011	0.001	-1.406	-1.181	-0.224	TLK2
11012	0.400	0.629	1.773	-0.744	KLK11
11013	-0.154	0.555	0.838	-0.437	TMSB15A
11014	0.235	-0.924	-0.611	-0.078	KDEL2
11015	0.082	3.607	3.571	0.444	KDEL3
11016	-0.096	0.015	-0.026	-0.054	ATF7
11017	0.058	-0.532	-0.394	-0.080	SNRNP27
11018	0.098	0.251	0.302	0.047	TMED1
11019	0.052	0.308	0.505	-0.146	LIAS
1102	-0.085	0.247	0.414	-0.252	RCBTB2
11020	-0.035	1.112	1.032	0.045	IFT27
11021	0.311	-0.853	-0.543	0.000	RAB35
11022	0.047	0.183	0.000	0.229	TDRKH
11024	0.022	-0.046	-0.017	-0.006	LILRA1
11025	0.016	0.240	0.100	0.156	LILRB3
11026	0.000	0.000	0.000	0.000	LILRA3
11027	0.001	0.000	0.000	0.000	LILRA2
1103	0.002	-0.002	0.000	0.000	CHAT
11030	0.068	-0.600	-0.588	0.236	RBPM5
11031	-0.533	-0.772	-0.981	-0.455	RAB31
11033	0.024	0.542	0.665	-0.098	ADAP1
11034	-0.328	-0.093	-0.298	-0.123	DSTN
11037	0.039	0.179	0.062	0.156	STON1
11039	-0.512	0.022	-0.714	0.224	SMA4
1104	-0.133	-1.621	-1.287	-0.467	RCC1
11040	0.162	-0.168	-0.006	0.000	PIM2
11041	0.156	1.210	1.294	0.072	B3GNT1
11043	0.307	-0.990	-0.495	-0.188	MID2
11044	0.107	-2.485	-2.226	-0.151	PAPD7
11045	0.000	0.000	0.000	0.000	UPK1A
11046	0.068	0.016	0.315	-0.230	SLC35D2
11047	-0.030	-0.847	-1.320	0.443	ADRM1

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
11049	0.550	-1.113	-0.456	-0.108	NUS1P3
1105	0.378	-3.149	-1.561	-1.210	CHD1
11051	-0.055	-0.763	-0.819	0.001	NUDT21
11052	0.124	-0.714	-0.578	-0.011	CPSF6
11054	0.134	-0.554	-0.517	0.014	OGFR
11055	-0.049	0.000	-0.050	0.000	ZPBP
11056	-0.161	-0.136	-0.661	-0.131	DDX52
11057	-0.449	0.626	1.166	-0.940	ABHD2
11059	-0.486	1.076	0.771	-0.181	WWP1
1106	-0.036	0.000	-0.036	0.000	CHD2
11060	-0.239	0.193	-0.063	0.018	WWP2
11061	0.000	0.000	0.000	0.000	LECT1
11062	0.124	-0.247	0.155	-0.278	DUS4L
11063	0.000	0.000	0.000	0.000	SOX30
11064	-0.041	0.202	-0.021	0.182	CNTRL
11065	0.433	0.509	0.670	0.272	UBE2C
11066	0.174	0.441	0.380	0.236	SNRNP35
11067	0.021	0.301	0.074	0.248	C10orf10
11068	-0.433	0.076	-0.312	-0.045	CYB561D2
11069	0.224	-0.232	-0.041	0.033	RAPGEF4
1107	0.044	0.608	0.984	-0.333	CHD3
11070	0.144	-0.717	-0.485	-0.088	TMEM115
11072	0.629	-3.414	-2.205	-0.579	DUSP14
11073	0.060	-0.488	0.040	-0.468	TOPBP1
11074	0.000	0.000	0.000	0.000	TRIM31
11075	0.010	0.338	0.069	0.279	STMN2
11076	0.012	0.059	0.054	0.017	TPPP
11077	0.000	0.134	0.261	-0.127	HSF2BP
11078	-0.057	1.589	1.348	0.184	TRIOBP
11079	-0.325	0.860	0.588	-0.158	RER1
1108	-0.364	0.330	0.144	-0.357	CHD4
11080	0.447	-3.062	-2.440	-0.174	DNAJB4
11081	0.014	-0.021	0.005	-0.011	KERA
11082	0.741	0.145	0.811	0.074	ESM1
11083	0.493	-1.001	-0.434	-0.074	DIDO1
11085	0.000	0.384	0.000	0.383	ADAM30
11086	0.000	0.000	0.000	0.000	ADAM29
1109	-0.033	-0.049	-0.073	-0.009	AKR1C4
11092	-0.013	1.089	0.802	0.274	C9orf9
11093	0.022	0.514	0.035	0.500	ADAMTS13
11094	0.060	0.018	0.075	0.003	CACFD1
11095	0.004	0.013	0.006	0.011	ADAMTS8
11096	-0.487	3.326	2.056	0.783	ADAMTS5
11097	-0.446	0.388	-0.240	0.182	NUPL2
11098	-0.639	-0.410	-0.808	-0.242	PRSS23

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
11099	-0.149	-0.086	-0.250	0.015	PTPN21
11100	-0.272	-0.059	-0.514	0.182	HNRNPUL1
11102	0.128	-1.230	-0.727	-0.375	RPP14
11103	-0.169	0.190	0.669	-0.648	KRR1
11104	0.649	-2.638	-1.851	-0.139	KATNA1
11107	-0.008	-0.006	-0.013	0.000	PRDM5
11108	0.436	-1.612	-1.240	0.064	PRDM4
1111	-0.155	0.512	0.163	0.194	CHEK1
11113	0.000	0.582	0.607	-0.025	CIT
11116	-0.202	0.000	0.000	-0.557	FGFR1OP
11117	0.000	0.132	0.003	0.129	EMILIN1
11118	0.004	0.123	0.358	-0.231	BTN3A2
11119	0.056	0.078	0.404	-0.271	BTN3A1
1112	0.322	-1.299	-0.641	-0.336	FOXN3
11120	0.317	-1.252	-0.489	-0.305	BTN2A1
11122	-0.028	-0.001	-0.028	0.000	PTPRT
11123	0.122	-0.920	-0.390	-0.408	RCAN3
11124	-0.059	0.518	0.567	-0.109	FAF1
11126	-0.041	0.119	0.026	0.053	CD160
11127	0.087	-0.527	0.094	-0.533	KIF3A
11129	0.018	-1.908	-1.458	-0.431	CLASRP
1113	0.018	-0.019	0.125	-0.125	CHGA
11130	0.108	3.331	2.816	0.623	ZWINT
11131	-0.038	0.000	-0.038	0.000	CAPN11
11132	0.077	-0.058	0.103	-0.084	CAPN10
11133	-0.377	0.213	0.025	-0.188	KPTN
11135	0.348	-1.525	-0.595	-0.582	CDC42EP1
11136	-0.005	0.000	-0.003	-0.001	SLC7A9
11137	-0.019	0.268	0.373	-0.002	PWP1
11138	0.255	-3.765	-3.440	-0.071	TBC1D8
1114	0.024	-0.005	0.000	0.019	CHGB
11140	-0.124	-1.959	-1.672	-0.411	CDC37
11141	-0.002	0.003	0.001	-0.001	IL1RAPL1
11142	0.941	-2.532	-1.713	0.122	PKIG
11143	-0.010	-0.566	-0.571	-0.005	KAT7
11144	-0.009	0.042	-0.009	0.042	DMC1
11145	-0.440	1.979	1.185	0.354	PLA2G16
11146	0.262	1.800	1.659	0.404	GLMN
11147	-0.199	0.572	-0.188	0.561	HHLA3
11148	0.000	0.080	0.000	0.080	HHLA2
11151	0.168	2.510	1.604	1.074	CORO1A
11152	0.019	-0.169	-0.494	0.344	WDR45
11153	0.600	-2.676	-1.673	-0.403	FICD
11154	0.184	0.199	0.273	-0.033	AP4S1
11155	0.001	0.000	0.001	-0.002	LDB3

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
11156	-0.050	-0.140	-0.207	0.017	PTP4A3
11157	0.149	-0.309	-0.263	0.103	LSM6
1116	0.153	1.794	2.632	-0.515	CHI3L1
11160	-0.639	2.043	1.745	-0.341	ERLIN2
11161	0.015	0.971	0.661	0.155	C14orf1
11162	-0.125	0.623	0.475	0.024	NUDT6
11163	0.256	-0.951	-0.318	-0.376	NUDT4
11165	-0.175	-0.217	-0.487	0.095	NUDT3
11166	0.000	0.000	0.000	0.000	SOX21
11167	0.383	0.045	-0.037	0.465	FSTL1
11168	0.206	0.372	1.096	-0.378	PSIP1
11169	0.000	0.184	0.043	0.080	WDHD1
1117	-0.277	0.627	0.201	0.149	CHI3L2
11170	0.019	-0.394	-0.371	-0.004	FAM107A
11171	-0.041	-0.520	-0.513	-0.048	STRAP
11172	0.000	0.000	0.000	0.000	INSL6
11173	-0.001	0.179	0.094	0.083	ADAMTS7
11174	0.005	0.310	0.082	0.233	ADAMTS6
11176	0.015	0.050	-0.003	0.053	BAZ2A
11177	0.140	-1.929	-1.621	-0.167	BAZ1A
11178	0.000	0.103	0.000	0.105	LZTS1
11179	-0.096	0.135	0.170	-0.131	ZNF277
1118	0.000	0.000	0.004	-0.004	CHIT1
11180	-0.687	0.840	-0.086	0.239	WDR6
11181	0.000	0.000	0.000	0.000	TREH
11182	-0.124	0.082	0.388	-0.430	SLC2A6
11183	-0.177	-0.691	-0.508	-0.194	MAP4K5
11184	0.000	0.000	0.002	-0.003	MAP4K1
11186	0.362	-2.724	-2.569	0.207	RASSF1
11187	-0.152	-0.225	-0.212	-0.166	PKP3
11188	-0.441	0.856	0.279	0.136	NISCH
11189	0.000	0.021	0.000	0.021	CELF3
1119	-0.001	-1.666	-1.921	0.254	CHKA
11190	0.012	-0.128	-0.112	-0.004	CEP250
11191	0.011	0.112	-0.020	0.143	PTENP1
11193	0.286	-1.140	-0.668	-0.141	WBP4
11194	0.004	-0.005	0.068	-0.068	ABCB8
11196	0.000	-0.579	-0.546	-0.033	SEC23IP
11197	-0.718	-1.333	-2.038	-0.013	WIF1
11198	-0.213	-0.532	-0.558	-0.187	SUPT16H
11199	0.019	-0.019	0.000	0.000	ANXA10
112	-0.004	0.844	0.381	0.459	ADCY6
1120	-0.528	1.293	0.367	0.398	CHKB
11200	0.000	0.048	0.002	0.046	CHEK2
11201	-0.763	0.379	0.463	-0.846	POLI

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
11202	0.693	2.005	3.827	-1.129	KLK8
1121	-0.082	-0.230	0.042	-0.355	CHM
11211	1.631	-1.196	1.979	-1.544	FZD10
11212	-0.431	-0.210	-0.568	-0.072	PROSC
11213	0.269	-1.103	-0.686	-0.149	IRAK3
11214	0.104	-0.123	0.055	-0.145	AKAP13
11215	-0.124	0.812	0.586	0.102	AKAP11
11216	-0.327	-0.332	-0.360	-0.299	AKAP10
11219	0.000	0.000	0.000	0.000	TREX2
1122	-0.297	-0.738	-1.008	-0.027	CHML
11221	-0.326	-2.532	-2.670	-0.189	DUSP10
11222	-0.252	0.320	0.126	-0.057	MRPL3
11223	0.000	0.364	0.384	-0.021	MST1P9
11224	0.056	-0.100	-0.453	0.409	RPL35
11226	-0.354	2.151	1.942	-0.145	GALNT6
11228	-0.111	-0.036	-0.111	-0.036	RASSF8
1123	0.683	-0.668	-0.319	0.334	CHN1
11230	0.295	0.345	0.549	0.091	PRAF2
11231	0.063	-0.003	-0.019	0.038	SEC63
11232	-0.635	-0.693	-1.357	0.029	POLG2
11234	0.507	0.936	1.894	-0.452	HPS5
11235	0.063	0.277	0.206	0.134	PDCD10
11236	0.308	-0.888	-0.858	0.278	RNF139
11237	0.184	-1.148	-0.352	-0.501	RNF24
11238	0.034	0.107	0.407	-0.266	CA5B
112398	-0.208	-0.570	-0.489	-0.289	EGLN2
112399	0.357	-1.978	-1.104	-0.518	EGLN3
1124	0.017	0.000	0.008	0.015	CHN2
11240	-0.424	3.318	3.479	-0.584	PADI2
11243	-0.389	0.606	0.381	-0.163	PMF1
11245	-0.182	-0.326	-0.531	0.022	GPR176
112464	0.129	4.805	4.325	0.608	PRKCDBP
11247	-0.043	-0.361	-0.194	-0.210	NXPH4
112479	-0.388	1.073	1.084	-0.399	ERI2
11248	-0.007	-0.001	-0.004	-0.003	NXPH3
11250	0.000	0.000	0.005	-0.005	GPR45
11251	0.078	-0.036	0.000	0.043	PTGDR2
11252	0.470	-0.528	-0.081	0.023	PACSIN2
11253	-0.256	2.097	1.471	0.370	MAN1B1
11254	2.073	2.311	3.446	0.939	SLC6A14
11255	0.070	0.081	0.000	0.152	HRH3
11257	-0.218	1.557	2.201	-0.218	TP53TG1
11258	-0.088	1.186	0.825	0.274	DCTN3
11259	-0.039	0.379	-0.215	0.556	FILIP1L
11260	-0.094	-1.078	-0.735	-0.436	XPOT

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
11261	0.058	-0.772	-0.440	-0.274	CHP1
112611	0.659	-1.451	-0.515	-0.277	RWDD2A
11262	0.002	0.102	0.000	0.104	SP140
11264	-0.040	0.778	0.925	-0.187	PXMP4
11266	0.013	-0.292	-0.412	0.133	DUSP12
11267	-0.220	0.649	0.543	-0.115	SNF8
11272	1.757	4.711	6.593	-0.125	PRR4
11273	-0.392	-0.188	-0.561	-0.018	ATXN2L
11274	0.010	0.147	0.115	0.042	USP18
11275	-0.057	0.379	0.494	-0.172	KLHL2
11276	-0.329	0.697	0.715	-0.346	SYNRG
11277	0.476	0.159	0.532	0.103	TREX1
11278	0.000	0.009	0.016	-0.019	KLF12
11279	-0.038	0.180	0.049	0.093	KLF8
11280	0.025	-0.026	0.001	-0.002	SCN11A
11281	-0.004	0.000	-0.001	-0.003	POU6F2
11282	-0.555	0.976	0.533	-0.112	MGAT4B
11283	0.000	0.000	0.000	0.000	CYP4F8
11284	-0.039	0.554	0.229	0.286	PNKP
11285	-0.139	0.343	0.153	0.051	B4GALT7
112869	0.209	-0.482	-0.181	-0.091	CCDC101
1129	0.000	0.000	0.000	0.000	CHRM2
112950	0.310	-0.865	-0.281	-0.134	MED8
113	-0.100	1.228	1.975	-0.848	ADCY7
1130	-0.267	-1.550	-1.454	-0.369	LYST
11309	-0.002	0.018	0.000	0.027	SLCO2B1
1131	0.000	1.575	1.830	-0.255	CHRM3
11311	-0.321	1.371	1.259	-0.209	VPS45
11313	-0.430	0.771	0.110	0.231	LYPLA2
11314	-0.012	0.000	-0.010	0.000	CD300A
113146	-0.354	6.139	5.814	-0.028	AHNAK2
11315	-0.153	0.691	0.622	-0.083	PARK7
11316	-0.104	0.210	0.052	0.054	COPE
11317	0.000	0.000	0.015	-0.015	RBPJL
113177	-0.018	0.001	-0.025	0.008	IZUMO4
113178	-0.263	0.427	-0.059	0.223	SCAMP4
11318	0.000	0.080	0.008	0.072	GPR182
11319	0.173	-0.902	-0.437	-0.292	ECD
1132	0.009	-0.009	0.000	0.000	CHRM4
11320	-0.240	-0.932	0.531	-1.702	MGAT4A
11321	-0.003	-0.156	-0.282	0.124	GPN1
11322	-0.299	1.358	1.228	-0.169	TMC6
11325	-0.177	0.143	0.231	-0.265	DDX42
113251	-0.235	-0.955	-1.117	-0.074	LARP4
11326	-0.001	0.021	0.005	0.016	VSIG4

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
11328	-0.859	4.566	3.538	0.169	FKBP9
11329	0.000	0.294	0.000	0.200	STK38
1133	0.000	0.103	0.000	0.103	CHRM5
11330	0.266	0.291	0.000	0.557	CTRC
11331	0.051	0.308	0.022	0.338	PHB2
11332	-0.187	1.728	1.653	-0.112	ACOT7
11333	0.059	-0.246	0.124	-0.311	PDAP1
11334	-0.272	0.000	-0.422	0.150	TUSC2
11335	-0.072	0.574	0.522	-0.021	CBX3
11336	-0.328	-0.522	-0.743	-0.107	EXOC3
11337	-0.204	0.732	0.562	-0.034	GABARAP
11338	0.000	-1.036	-1.501	0.000	U2AF2
11339	0.022	0.249	0.421	-0.149	OIP5
1134	0.000	0.002	0.008	-0.007	CHRNA1
11340	0.130	-1.098	-0.596	-0.372	EXOSC8
11341	0.000	0.291	0.022	0.269	SCRG1
113419	-0.185	0.438	0.219	0.035	TEX261
11342	0.131	0.620	1.197	-0.445	RNF13
11343	-0.099	0.189	0.065	0.025	MGLL
11344	0.197	0.488	0.476	0.208	TWF2
11345	0.168	-0.054	0.226	-0.111	GABARAPL2
113457	-0.074	0.216	0.006	0.135	TUBA3D
11346	0.397	-0.298	-0.283	0.382	SYNPO
1135	-0.006	0.034	0.077	-0.050	CHRNA2
1136	0.000	0.000	0.004	0.000	CHRNA3
1137	0.006	0.024	0.014	-0.013	CHRNA4
113791	0.766	-0.172	0.312	0.282	PIK3IP1
1138	-0.023	0.000	0.075	-0.098	CHRNA5
113835	-0.062	0.002	-0.060	0.000	ZNF257
113878	-0.015	0.000	0.138	-0.153	DTX2
114	0.010	-0.010	0.000	0.000	ADCY8
1140	0.003	1.448	1.334	0.117	CHRNA1
114034	0.140	-1.342	-1.058	-0.144	TOE1
114044	0.128	-0.071	-0.008	0.066	MCM3AP-AS1
114049	0.031	-1.145	-1.267	0.152	WBSCR22
114088	0.425	-0.576	-0.010	-0.141	TRIM9
1141	0.048	0.154	0.280	-0.078	CHRNA1
114112	-0.048	0.701	0.340	0.312	TXNRD3
1142	0.015	-0.017	-0.001	0.000	CHRNA1
1143	0.000	0.000	0.000	0.000	CHRNA1
114327	-0.902	3.065	2.400	-0.237	EFHC1
1144	0.000	0.000	0.000	0.000	CHRNA1
1145	0.000	0.028	0.010	0.018	CHRNA1
114548	-0.014	0.000	-0.017	0.000	NLRP3
1146	-0.009	0.100	-0.010	0.101	CHRNA1

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
114625	-0.129	1.231	0.520	0.582	ERMAP
1147	0.057	-1.134	-0.601	-0.475	CHUK
114791	-0.026	1.044	0.756	0.262	TUBGCP5
114818	0.000	0.318	0.057	0.261	KLHL29
114819	-0.019	0.020	0.009	-0.008	CROCCP3
114876	-0.428	2.067	1.805	-0.166	OSBPL1A
114881	0.000	0.087	0.036	0.051	OSBPL7
114882	0.212	0.481	0.973	-0.281	OSBPL8
114883	0.151	-0.075	-0.043	0.119	OSBPL9
114884	0.007	0.369	0.123	0.070	OSBPL10
114885	0.646	-2.075	-0.843	-0.586	OSBPL11
114897	0.552	-0.512	0.222	-0.182	C1QTNF1
114899	-0.006	0.003	0.440	-0.442	C1QTNF3
1149	0.010	-0.010	0.004	-0.004	CIDEA
114908	0.172	-0.262	0.028	-0.119	TMEM123
114932	-0.066	0.188	0.519	-0.397	MRFAP1L1
115	-0.076	0.055	-0.012	0.052	ADCY9
115123	0.895	-1.159	-0.414	0.150	3-Mar
1152	0.347	-1.576	-1.712	0.483	CKB
115201	-0.440	0.720	-0.017	0.297	ATG4A
115207	0.518	-1.182	-0.498	-0.166	KCTD12
1153	-0.278	0.522	-0.193	0.436	CIRBP
115353	0.151	-1.076	-0.849	-0.076	LRRC42
1154	-0.163	-0.939	-1.112	0.011	CISH
1155	-0.266	2.108	1.608	0.326	TBCB
115653	0.000	0.000	0.000	0.000	KIR3DL3
115703	0.007	-0.013	-0.006	0.000	ARHGAP33
115708	0.004	-0.086	-0.134	0.052	TRMT61A
1158	0.179	-0.173	0.000	0.007	CKM
115817	-0.051	2.170	1.901	0.217	DHRS1
115939	-0.065	0.441	0.544	-0.233	TSR3
116	0.000	0.000	0.000	0.000	ADCYAP1
1160	0.128	-0.216	0.017	-0.105	CKMT2
116039	0.894	-3.003	-1.863	-0.245	OSR2
1161	-0.212	0.904	0.764	-0.071	ERCC8
116138	0.145	-0.221	0.033	-0.108	KLHDC3
116285	0.000	0.075	0.035	0.040	ACSM1
1163	0.200	0.062	0.153	0.109	CKS1B
116372	-0.002	1.788	1.410	0.376	LYPD1
1164	0.485	-1.225	-1.075	0.335	CKS2
116496	-0.391	-1.524	-1.926	0.011	FAM129A
116828	0.000	0.000	0.000	0.000	CG030
116832	-0.522	-0.048	-0.640	0.071	RPL39L
116984	-0.147	0.291	0.287	-0.144	ARAP2
116985	0.013	0.112	0.026	0.099	ARAP1

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116986	0.000	0.171	0.070	0.101	AGAP2
116987	-0.464	-0.213	-0.103	-0.574	AGAP1
117	0.000	0.037	0.002	0.035	ADCYAP1R1
117153	0.000	0.000	0.015	-0.015	MIA2
117178	-0.079	0.399	0.480	-0.178	SSX2IP
117246	-0.754	-0.200	-0.807	-0.147	FTSJ3
117247	0.166	-0.480	-0.097	-0.217	SLC16A10
1173	-0.079	1.364	0.904	0.381	AP2M1
1174	0.065	1.039	1.546	-0.267	AP1S1
1175	-0.016	1.063	0.802	0.278	AP2S1
1176	0.063	1.149	1.049	0.164	AP3S1
1178	0.000	0.000	0.000	0.000	CLC
1179	-0.008	0.116	-0.032	0.140	CLCA1
118	0.105	0.465	0.198	0.070	ADD1
1180	0.000	0.000	0.000	0.000	CLCN1
1181	0.006	0.063	0.089	-0.020	CLCN2
1182	-0.050	0.736	1.191	-0.413	CLCN3
1183	-0.001	0.040	0.003	0.000	CLCN4
1184	0.126	-0.175	0.237	-0.286	CLCN5
118433	-0.064	0.706	0.631	0.011	RPL23AP7
118491	0.012	0.110	0.011	0.112	TTC18
1185	0.014	-1.001	-0.796	-0.191	CLCN6
1186	-0.017	-0.029	0.087	0.048	CLCN7
1188	-0.002	0.101	-0.002	0.101	CLCNKB
118987	-0.521	-0.285	-0.802	-0.004	PDZD8
119	-0.018	0.004	0.149	-0.163	ADD2
1191	-0.775	-2.894	-2.874	-0.796	CLU
1192	0.023	-0.661	-0.807	0.169	CLIC1
1193	1.077	-4.700	-3.480	-0.143	CLIC2
1196	-0.441	0.559	-0.087	0.205	CLK2
1198	0.074	-2.466	-2.244	-0.148	CLK3
12	-0.388	0.066	-0.331	0.008	SERPINA3
120	0.083	1.688	1.820	-0.114	ADD3
1200	-0.181	0.167	-0.065	-0.008	TPP1
1201	-0.253	0.168	0.279	-0.363	CLN3
120227	-0.026	0.000	0.041	-0.067	CYP2R1
1203	-0.048	1.028	0.882	0.062	CLN5
120526	-0.227	0.533	0.548	-0.242	DNAJC24
1207	0.005	0.712	0.641	0.076	CLNS1A
1208	0.000	0.000	0.000	0.000	CLPS
1209	0.025	-0.445	-0.025	-0.394	CLPTM1
121006	0.000	0.000	0.024	-0.024	FAM186A
1211	0.005	0.521	0.280	0.040	CLTA
1212	0.187	1.184	0.774	0.545	CLTB
1213	-0.273	0.373	0.096	0.004	CLTC

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
1215	0.000	0.000	0.017	-0.017	CMA1
122616	-0.054	0.000	0.117	-0.171	C14orf79
122704	0.072	0.276	0.211	0.137	MRPL52
123	0.260	-3.034	-2.470	-0.304	PLIN2
1230	-0.003	0.339	0.273	0.063	CCR1
1232	0.006	0.009	0.000	0.015	CCR3
1233	0.000	0.000	0.000	0.000	CCR4
1234	-0.073	-0.031	-0.101	-0.004	CCR5
1235	0.016	-0.016	0.000	0.000	CCR6
1236	0.496	-1.696	-1.249	0.049	CCR7
1237	-0.067	0.034	-0.067	0.034	CCR8
1238	0.050	-0.093	-0.008	-0.036	CCBP2
123803	0.407	1.029	1.548	-0.112	NTAN1
123872	-1.330	-0.446	-1.856	0.081	DNAAF1
124	0.036	-0.036	0.000	0.000	ADH1A
1240	-0.010	0.134	-0.010	0.134	CMKLR1
124044	0.544	-1.543	-0.641	-0.358	SPATA2L
1241	0.051	-0.079	-0.032	0.004	LTB4R
124152	-0.125	0.647	0.549	-0.114	IQCK
124222	-0.074	0.387	0.498	-0.185	PAQR4
1244	0.120	-0.114	0.004	0.002	ABCC2
124565	-0.291	0.923	1.046	-0.413	SLC38A10
124583	0.235	0.077	0.612	-0.299	CANT1
124801	0.309	-1.126	-0.653	-0.165	LSM12
125	0.228	-0.219	0.000	0.000	ADH1B
125058	-0.492	0.937	0.512	-0.067	TBC1D16
1258	0.000	0.000	0.002	0.000	CNGB1
125893	-0.041	0.175	-0.009	0.143	ZNF816
1259	-0.001	0.646	1.580	-0.935	CNGA1
126	0.005	0.128	0.021	0.112	ADH1C
126017	0.017	-0.023	0.487	-0.493	ZNF813
126070	0.020	0.026	0.025	0.020	ZNF440
1261	0.000	0.158	0.000	0.158	CNGA3
126208	0.041	-1.328	-1.142	-0.145	ZNF787
126231	-0.189	0.673	1.698	-1.214	ZNF573
126298	0.037	-0.324	-0.277	-0.011	IRGQ
126299	-0.016	0.064	0.036	0.011	ZNF428
1263	0.879	-2.186	-1.561	0.253	PLK3
126321	0.153	0.577	1.232	-0.502	MFSD12
126353	-0.734	1.198	0.540	-0.076	C19orf21
126393	0.000	0.000	0.039	-0.039	HSPB6
1264	0.079	0.145	-0.608	0.832	CNN1
1265	-0.011	0.968	0.787	0.170	CNN2
1266	0.516	-1.511	-1.228	0.233	CNN3
1267	-0.148	2.773	2.585	0.040	CNP

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
1268	0.000	-0.003	-0.004	0.000	CNR1
1269	-0.001	0.396	0.000	0.395	CNR2
1271	0.000	0.000	0.000	0.000	CNTFR
1272	0.000	0.000	0.398	-0.398	CNTN1
127534	0.000	0.000	0.000	0.000	GJB4
127544	0.284	-1.774	-1.488	-0.002	RNF19B
1277	0.147	2.427	1.971	0.318	COL1A1
127703	-0.003	0.494	0.882	-0.391	C1orf216
1278	0.516	5.214	5.089	0.640	COL1A2
127833	-0.014	0.013	-0.012	0.011	SYT2
128	-0.127	1.745	1.568	0.050	ADH5
1280	0.091	1.641	0.816	0.916	COL2A1
1281	-0.260	3.446	3.370	0.188	COL3A1
1282	1.249	0.511	0.949	0.811	COL4A1
1284	0.583	1.231	0.498	1.317	COL4A2
1285	0.000	0.005	0.000	0.004	COL4A3
128553	-0.001	0.391	0.086	0.304	TSHZ2
1286	0.000	0.010	0.007	0.003	COL4A4
1287	-0.907	2.612	1.217	0.487	COL4A5
1288	0.000	0.057	0.008	0.049	COL4A6
128872	-1.358	1.061	-0.483	0.186	HMGB3P1
1289	0.278	3.358	3.480	0.208	COL5A1
1290	0.693	3.051	3.847	-0.103	COL5A2
129025	-0.041	0.000	-0.041	0.000	ZNF280A
129080	0.024	0.350	0.000	0.374	EMID1
1291	0.341	-0.241	-0.013	0.046	COL6A1
1292	0.821	-1.822	-1.453	0.451	COL6A2
1293	1.312	-3.236	-1.218	-0.707	COL6A3
1294	-0.046	2.736	1.965	0.725	COL7A1
1295	-0.001	0.041	0.107	-0.067	COL8A1
1296	0.198	0.673	0.224	0.646	COL8A2
129642	0.064	2.325	3.005	-0.617	MBOAT2
1297	0.000	0.000	0.000	0.000	COL9A1
1298	-0.447	1.727	1.366	-0.087	COL9A2
1299	-0.315	6.240	5.694	0.232	COL9A3
13	-0.591	-0.026	-0.459	-0.158	AADAC
130	0.000	0.003	0.008	-0.005	ADH6
1300	0.000	0.595	0.743	-0.148	COL10A1
130074	-0.167	-1.110	-1.453	0.176	FAM168B
1301	0.001	0.851	1.191	-0.340	COL11A1
1302	0.051	0.122	0.009	0.164	COL11A2
1305	0.000	0.016	0.207	-0.117	COL13A1
1306	0.798	-4.703	-3.510	-0.395	COL15A1
1307	0.311	2.782	2.919	0.175	COL16A1
1308	-0.381	0.112	-0.633	0.364	COL17A1

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130814	0.000	0.000	0.000	0.000	PQLC3
130916	0.112	-0.102	-0.045	0.055	MTERFD2
131	0.000	0.000	0.002	-0.002	ADH7
1310	0.044	-0.044	0.032	-0.032	COL19A1
1311	-0.020	5.818	4.957	0.841	COMP
1312	0.000	1.123	0.935	0.091	COMT
1314	-0.041	-0.273	-0.528	0.156	COPA
131408	0.544	-0.982	-0.581	0.142	FAM131A
1315	0.149	-0.277	-0.076	-0.052	COPB1
131544	0.154	-0.529	-0.124	-0.251	CRYBG3
131566	-0.002	1.541	1.968	-0.429	DCBLD2
131578	-0.177	-1.082	-1.063	-0.195	LRRC15
1316	0.315	-2.622	-2.665	0.239	KLF6
131601	0.070	-0.842	-1.299	0.527	TPRA1
1317	0.225	-1.645	-0.612	-0.808	SLC31A1
1318	0.213	-0.445	0.134	-0.365	SLC31A2
132	0.144	-0.764	-0.587	-0.033	ADK
1325	0.035	-0.034	0.228	-0.227	CORT
1326	0.597	-4.032	-2.884	-0.551	MAP3K8
1327	0.061	-0.116	-0.245	0.365	COX4I1
1329	-0.208	1.131	0.772	0.146	COX5B
133	-0.038	-4.016	-3.450	-0.604	ADM
133619	-0.144	-0.579	-0.335	-0.388	PRRC1
1337	-0.132	0.581	0.387	0.062	COX6A1
1339	-0.007	0.122	0.039	0.075	COX6A2
134	0.162	1.097	1.815	-0.556	ADORA1
1340	-0.269	1.286	0.765	0.252	COX6B1
1345	-0.369	0.979	0.290	0.320	COX6C
1346	0.016	3.145	2.694	0.466	COX7A1
1347	-0.280	0.979	0.535	0.164	COX7A2
1349	-0.013	0.267	0.088	0.166	COX7B
1350	-0.241	0.659	0.463	-0.028	COX7C
1351	-0.212	1.030	0.425	0.394	COX8A
135138	0.006	0.081	-0.001	0.087	PACRG
1352	0.212	-0.462	-0.108	-0.142	COX10
1353	0.000	0.476	0.695	0.220	COX11
1355	-0.186	0.256	0.454	-0.384	COX15
1356	-2.428	1.267	-1.553	0.392	CP
1357	0.000	0.009	0.013	-0.004	CPA1
1358	0.032	-0.064	-0.042	0.009	CPA2
1359	-0.008	0.027	0.070	-0.051	CPA3
135948	0.035	-0.035	0.000	0.000	OR2F2
136	-0.599	0.984	0.324	0.061	ADORA2B
1360	-3.143	-1.411	-4.557	0.003	CPB1
1361	0.000	0.066	0.009	0.056	CPB2

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1362	0.089	-1.005	0.043	-0.755	CPD
1363	0.096	-1.172	-1.285	0.209	CPE
1364	0.404	-2.031	-2.087	0.460	CLDN4
1365	0.220	-2.875	-2.001	-0.654	CLDN3
1366	-0.038	0.039	0.038	-0.037	CLDN7
1368	0.237	-0.952	-0.819	0.104	CPM
1369	0.000	0.000	0.000	0.000	CPN1
1370	0.000	0.000	0.015	-0.015	CPN2
1371	0.504	2.149	3.001	-0.347	CPOX
1373	-0.019	0.336	0.204	0.112	CPS1
1374	0.018	0.146	-0.002	0.067	CPT1A
1376	-0.393	0.967	0.782	-0.208	CPT2
1378	0.004	0.017	0.000	0.026	CR1
137886	-0.133	0.574	0.659	-0.218	UBXN2B
1380	-0.013	0.004	-0.013	0.004	CR2
138046	-0.003	0.058	-0.001	0.057	RALYL
138050	-0.141	1.543	1.242	0.159	HGSNAT
1381	-0.403	-0.477	-0.797	-0.083	CRABP1
138151	-0.326	2.846	2.756	-0.236	NACC2
138162	-0.069	0.067	-0.010	0.009	C9orf116
1382	-0.184	-0.665	-1.093	0.243	CRABP2
1384	-0.036	-0.095	-0.073	-0.058	CRAT
1385	0.228	-1.212	-0.531	-0.620	CREB1
1386	0.152	-1.445	-1.299	0.006	ATF2
1387	-0.020	-0.414	-0.379	-0.055	CREBBP
1388	-0.011	0.141	0.093	0.037	ATF6B
1389	-0.028	0.710	1.067	-0.377	CREBL2
1390	0.618	-4.046	-3.459	0.048	CREM
139081	0.000	0.019	0.001	0.018	MAGEC3
1392	0.005	-0.010	-0.009	0.004	CRH
1393	0.000	0.000	0.000	0.000	CRHBP
139322	-0.422	1.168	0.557	-0.401	APOOL
1394	0.000	0.000	0.000	0.000	CRHR1
1395	-0.027	0.030	-0.011	0.014	CRHR2
139538	0.000	0.000	0.006	-0.006	VENTXP1
1396	0.129	0.322	0.663	-0.211	CRIP1
1397	-0.259	0.666	0.307	0.099	CRIP2
1398	0.023	-0.792	-0.549	-0.221	CRK
1399	0.055	-2.176	-1.951	-0.170	CRKL
14	0.049	-1.358	-1.053	-0.256	AAMP
140	0.000	0.000	0.000	0.000	ADORA3
1400	0.049	-0.049	0.174	-0.174	CRMP1
1401	0.000	0.000	0.000	0.000	CRP
140290	-0.022	0.098	0.006	0.070	TCP10L
1404	0.101	-0.079	0.002	0.020	HAPLN1

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
140459	-0.306	-0.613	-1.155	0.235	ASB6
140460	0.214	-1.467	-1.058	-0.196	ASB7
140461	0.003	0.495	0.421	0.078	ASB8
140462	0.000	0.000	0.113	-0.113	ASB9
140465	0.088	1.995	2.022	0.061	MYL6B
140467	0.045	0.321	0.049	0.317	ZNF358
140545	0.069	0.013	-0.001	0.082	RNF32
140578	0.024	0.004	0.019	0.010	CHODL
140597	0.421	-1.362	-0.997	0.056	TCEAL2
1406	0.000	0.446	0.002	0.444	CRX
140609	0.250	-0.033	0.216	0.002	NEK7
1407	0.187	-4.758	-4.557	-0.014	CRY1
140710	-0.001	0.014	-0.026	0.040	SOGA1
1408	0.378	-1.754	-1.323	-0.054	CRY2
140801	-0.060	0.379	0.003	0.316	RPL10L
140803	0.044	0.401	-0.001	0.445	TRPM6
140883	-0.009	0.000	0.007	-0.016	ZNF280B
140885	0.019	-0.093	-0.077	-0.194	SIRPA
140890	-0.224	-0.100	-0.248	-0.077	SREK1
1409	0.000	0.000	0.000	0.000	CRYAA
141	0.000	0.171	0.094	0.077	ADPRH
1410	0.699	-1.174	-1.625	1.150	CRYAB
1411	-0.013	0.000	-0.013	0.000	CRYBA1
1412	0.000	0.000	0.009	-0.009	CRYBA2
1413	0.000	0.000	0.000	0.000	CRYBA4
1414	0.010	0.036	0.000	0.046	CRYBB1
1415	0.002	0.054	0.037	0.018	CRYBB2
1416	0.058	0.201	-0.136	0.395	CRYBB2P1
1417	0.001	0.109	0.000	0.110	CRYBB3
1418	0.000	0.000	0.000	0.000	CRYGA
1419	0.000	0.000	0.000	0.000	CRYGB
142	-0.266	0.042	-0.290	0.067	PARP1
1420	-0.005	0.052	-0.005	0.052	CRYGC
1421	0.013	0.596	0.053	0.556	CRYGD
142684	0.060	0.172	0.004	0.227	RAB40A
1428	-0.028	0.045	-0.043	0.061	CRYM
1429	-0.024	1.674	2.604	-0.954	CRYZ
143	-0.412	2.368	2.258	-0.303	PARP4
1431	-0.212	0.075	-0.351	0.214	CS
1432	-0.043	-0.590	-0.380	-0.180	MAPK14
1434	-0.136	-0.469	-0.408	-0.046	CSE1L
1435	0.056	-0.287	-0.263	0.012	CSF1
1436	0.000	0.000	0.004	-0.004	CSF1R
1437	-0.055	0.181	-0.084	0.211	CSF2
1438	0.182	-0.208	0.032	-0.076	CSF2RA

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
1439	0.346	-0.653	-0.651	0.344	CSF2RB
1440	0.939	-4.335	-3.343	-0.054	CSF3
1441	-0.007	0.023	-0.007	0.023	CSF3R
1442	0.000	0.000	0.000	0.000	CSH1
1443	0.000	0.000	0.000	0.000	CSH2
1444	0.000	0.000	0.001	-0.001	CSHL1
144404	-0.237	0.043	-0.120	-0.074	TMEM120B
1445	0.056	0.231	-0.092	0.378	CSK
1446	2.613	-2.860	-0.248	0.000	CSN1S1
144699	0.318	-0.757	-0.027	-0.413	FBXL14
1447	1.816	-1.682	-0.090	0.224	CSN2
1448	1.614	-1.652	-0.038	0.000	CSN3
1452	0.039	-0.699	-0.772	0.074	CSNK1A1
1453	0.097	-1.651	-1.638	0.083	CSNK1D
145389	-0.161	-0.042	-0.200	-0.003	SLC38A6
1454	0.185	-0.709	-0.798	0.273	CSNK1E
1455	-0.179	0.241	-0.017	0.079	CSNK1G2
1456	-0.007	0.145	0.832	-0.694	CSNK1G3
145678	0.022	-0.022	0.000	0.000	LOC145678
1457	0.251	-1.813	-1.332	-0.338	CSNK2A1
1459	0.362	-1.514	-0.787	-0.365	CSNK2A2
146	0.001	0.078	0.062	0.016	ADRA1D
1460	-0.154	0.154	-0.540	0.540	CSNK2B
146057	0.000	0.089	0.291	-0.202	TTBK2
1462	0.889	2.337	2.939	0.033	VCAN
146227	0.016	1.346	1.814	-0.453	BEAN1
1463	0.000	0.000	0.000	0.000	NCAN
1464	0.301	0.763	0.670	0.394	CSPG4
1465	-0.450	-0.132	-0.799	0.217	CSRP1
146542	-0.066	0.432	0.195	0.171	ZNF688
146562	0.014	0.042	0.000	0.056	C16orf71
1466	1.036	-1.239	-0.930	0.726	CSRP2
146691	-0.001	0.000	-0.001	0.000	TOM1L2
146712	-0.019	-0.012	0.008	-0.039	B3GNTL1
146754	0.000	0.000	0.000	0.000	DNAH2
1468	0.000	0.153	0.057	0.097	SLC25A10
1469	0.000	0.103	0.021	0.081	CST1
146909	-0.001	0.628	0.460	0.167	KIF18B
147	0.000	0.000	0.000	0.000	ADRA1B
1470	0.003	0.475	0.927	-0.449	CST2
1471	-0.947	2.378	1.531	-0.100	CST3
147172	-0.014	0.087	0.016	0.057	LRRC37BP1
147179	-0.198	-0.722	-0.483	-0.197	WIPF2
1472	-0.005	0.091	0.219	-0.133	CST4
1473	-0.001	0.138	0.063	0.074	CST5

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
147339	0.268	-1.180	-1.198	0.285	C18orf25
1474	-0.734	7.991	7.015	0.242	CST6
1475	-0.309	1.861	2.169	-0.617	CSTA
1476	0.275	0.154	0.276	0.153	CSTB
147657	-0.070	0.010	0.000	-0.059	ZNF480
1477	-0.010	-0.459	-0.330	-0.139	CSTF1
1478	-0.258	0.557	0.330	-0.031	CSTF2
1479	0.043	-0.825	-0.436	-0.345	CSTF3
147912	0.000	0.000	0.000	0.000	SIX5
148	0.000	0.180	0.009	0.152	ADRA1A
148022	0.600	-2.862	-2.384	0.122	TICAM1
148066	0.025	0.197	0.064	0.157	ZNRF4
1482	-0.007	0.039	-0.007	0.039	NKX2-5
148229	0.000	0.000	0.023	-0.023	ATP8B3
1486	-0.312	0.726	0.941	-0.528	CTBS
1487	-0.270	1.064	0.585	-0.251	CTBP1
148753	-0.022	0.129	0.042	0.065	FAM163A
1488	-0.051	0.388	0.404	-0.162	CTBP2
1489	0.281	-0.223	0.052	0.006	CTF1
1490	-0.005	2.765	2.346	0.414	CTGF
149076	0.014	-0.013	-0.026	0.026	ZNF362
1491	1.183	-2.908	-1.750	0.024	CTH
149111	0.148	-0.134	0.061	-0.047	CNIH3
1493	-0.002	0.069	-0.001	0.068	CTLA4
1495	-0.132	-0.006	-0.015	-0.240	CTNNA1
1496	0.036	-0.129	-0.093	0.000	CTNNA2
149603	-0.328	1.386	0.871	0.188	RNF187
149628	0.000	0.165	0.303	-0.138	PYHIN1
1497	0.001	-0.224	-0.256	0.032	CTNS
1499	-0.124	1.035	1.243	-0.331	CTNNB1
149986	-0.071	0.133	-0.114	0.176	LSM14B
15	0.000	0.004	0.000	0.004	AANAT
150	0.132	-0.176	-0.044	0.000	ADRA2A
1500	-0.078	0.873	0.694	0.101	CTNND1
1501	0.070	-0.062	0.029	-0.020	CTNND2
150160	0.000	0.000	0.002	-0.002	CCT8L2
150244	0.000	0.000	0.001	-0.001	ZDHHC8P1
1503	-0.589	-0.227	-0.813	-0.004	CTPS1
1506	-0.010	0.007	0.059	-0.062	CTRL
150726	-0.058	0.183	0.324	-0.199	FBXO41
150759	-0.741	5.488	5.457	-0.710	LINC00342
1508	-0.040	1.711	2.144	-0.580	CTSB
1509	-0.647	4.040	2.722	0.671	CTSD
150967	0.028	0.832	0.404	0.456	PKI55
151	0.000	0.213	0.000	0.213	ADRA2B

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
1510	0.151	-0.151	0.000	0.000	CTSE
151011	0.026	-0.219	-0.078	-0.115	10-Sep
151050	0.480	-1.123	-0.509	-0.133	KANSL1L
1511	0.000	0.222	0.012	0.210	CTSG
1512	0.201	2.303	3.012	-0.508	CTSH
151230	0.091	0.371	0.391	0.070	KLHL23
1513	0.210	-1.672	-2.002	0.539	CTSK
1514	0.858	-2.347	-1.922	0.432	CTSL1
1515	1.422	1.945	3.392	-0.025	CTSL2
1519	-1.090	2.047	0.807	0.150	CTSO
151987	0.448	-0.711	-0.190	-0.073	PPP4R2
152	0.037	-0.166	0.084	-0.213	ADRA2C
1520	0.202	-0.871	-0.303	-0.366	CTSS
152006	0.179	-1.457	-0.898	-0.380	RNF38
1521	0.000	0.000	0.000	0.000	CTSW
152185	0.000	0.000	0.000	0.000	SPICE1
1522	0.075	1.343	1.766	-0.349	CTSZ
1523	-0.231	0.307	0.208	-0.132	CUX1
1524	0.007	0.001	0.000	0.009	CX3CR1
1525	-0.226	0.801	0.670	-0.095	CXADR
152559	0.180	-0.748	-0.423	-0.145	PAQR3
1527	0.000	0.000	0.000	0.000	TEX28
1528	-0.692	0.335	-0.103	-0.114	CYB5A
152992	0.000	0.327	0.029	0.298	TRMT44
153	0.000	0.036	0.000	0.036	ADRB1
1534	-0.220	0.482	0.735	-0.314	CYB561
1535	-0.043	2.630	2.516	0.071	CYBA
1536	0.000	0.009	0.093	-0.080	CYBB
1537	-0.481	0.006	-0.819	0.343	CYC1
1538	0.000	0.000	-0.025	0.000	CYLC1
1539	0.000	0.000	0.000	-0.001	CYLC2
154	1.369	-3.758	-2.337	-0.052	ADRB2
1540	0.156	-1.252	-0.528	-0.195	CYLD
1543	-0.766	-5.930	-6.924	0.228	CYP1A1
1544	-0.093	-0.069	-0.094	-0.067	CYP1A2
1545	-0.500	-4.364	-5.725	0.861	CYP1B1
154661	-0.354	-0.166	-0.515	-0.006	RUNDC3B
154796	0.000	0.000	0.020	-0.020	AMOT
1548	0.000	0.000	0.000	-0.002	CYP2A6
154881	0.276	-0.143	0.226	-0.093	KCTD7
1549	-0.008	0.165	-0.008	0.165	CYP2A7
155	-0.044	0.014	-0.076	0.046	ADRB3
1550	0.000	0.000	0.008	-0.008	CYP2A7P1
155060	-0.082	0.240	0.073	0.084	LOC155060
155066	0.157	2.004	1.645	0.515	ATP6V0E2

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
1551	0.000	0.311	0.000	0.310	CYP3A7
1553	0.014	0.174	0.140	0.049	CYP2A13
155400	-0.342	0.928	0.365	0.221	NSUN5P1
1555	0.000	0.302	0.000	0.302	CYP2B6
1556	-0.458	0.020	-0.458	0.020	CYP2B7P1
1557	0.000	0.008	0.007	0.001	CYP2C19
1558	0.074	-0.080	0.087	-0.092	CYP2C8
1559	0.000	0.000	0.000	0.000	CYP2C9
156	0.000	0.000	0.000	0.000	ADRBK1
1562	-0.010	-0.007	-0.017	0.000	CYP2C18
1565	-0.018	-0.017	-0.076	0.049	CYP2D6
157	0.110	-0.157	0.030	-0.078	ADRBK2
1571	0.000	0.458	0.616	0.038	CYP2E1
1572	0.000	0.031	0.000	0.031	CYP2F1
1573	-0.579	1.907	1.348	-0.020	CYP2J2
157562	-0.175	-0.178	-0.209	-0.144	LOC157562
157567	-0.755	1.257	0.387	0.115	ANKRD46
1576	0.002	0.049	0.000	0.049	CYP3A4
157627	0.026	0.046	0.126	-0.055	LINC00599
157680	-0.264	1.596	1.452	-0.120	VPS13B
157697	0.000	0.000	0.000	0.000	ERICH1
1577	-0.121	-0.061	-0.140	-0.042	CYP3A5
157869	-0.003	0.397	0.047	0.348	SBSPON
1579	-0.003	0.000	-0.002	-0.001	CYP4A11
157922	-0.090	-0.627	-0.159	0.043	CAMSAP1
158	-0.140	0.695	0.651	-0.096	ADSL
1580	-0.124	0.020	0.211	-0.315	CYP4B1
1581	0.272	-0.203	0.000	0.069	CYP7A1
1583	0.000	0.000	0.000	0.000	CYP11A1
1584	0.000	0.015	0.000	0.015	CYP11B1
158471	0.045	-0.060	-0.007	-0.008	PRUNE2
1585	0.001	-0.001	0.000	0.000	CYP11B2
158586	0.158	-1.160	-0.965	-0.037	ZXDB
1586	-0.009	-0.001	-0.020	0.011	CYP17A1
1587	0.000	0.000	0.000	0.000	ADAM3A
158747	-0.111	-0.059	-0.134	-0.037	MOSPD2
1588	0.029	-0.029	0.000	0.000	CYP19A1
1589	-0.005	0.000	-0.005	0.000	CYP21A2
159	-0.103	0.725	0.936	-0.314	ADSS
1591	0.768	1.586	3.783	-1.429	CYP24A1
159162	0.007	0.021	0.000	0.027	RBMY2FP
1592	0.000	0.126	0.000	0.126	CYP26A1
1593	-0.795	-0.994	-1.967	0.178	CYP27A1
1594	1.315	-3.733	-3.135	0.718	CYP27B1
1595	0.173	-1.192	-0.613	-0.406	CYP51A1

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
159963	0.000	0.000	0.000	0.000	SLC5A12
16	-0.043	-1.174	-1.509	0.292	AARS
1600	0.003	-0.003	0.000	0.000	DAB1
1601	0.960	-0.843	0.131	-0.171	DAB2
1602	0.067	-0.373	-0.370	0.064	DACH1
1603	-0.288	0.586	-0.047	0.346	DAD1
160313	-0.002	0.031	0.004	0.025	KRT19P2
1604	0.316	-0.993	-0.135	-0.541	CD55
1605	-0.182	2.099	1.355	0.563	DAG1
160518	-0.077	-0.024	-0.101	0.000	DENND5B
1606	-0.540	2.433	1.777	0.116	DGKA
1607	0.000	0.000	0.000	0.000	DGKB
1608	0.000	0.000	0.000	0.000	DGKG
160824	0.000	0.000	0.000	0.000	SP3P
1609	-0.037	0.008	-0.037	0.008	DGKQ
161	-0.070	-0.144	-0.386	0.067	AP2A2
1610	0.000	0.000	0.017	-0.017	DAO
1611	-0.072	0.234	0.091	0.071	DAP
1612	-0.057	0.517	0.453	0.007	DAPK1
161291	-0.013	-1.531	-0.606	-0.938	TMEM30B
1613	0.471	-3.088	-3.019	0.402	DAPK3
1615	-0.002	0.096	0.137	-0.044	DARS
1616	-0.285	-0.929	-1.188	-0.026	DAXX
1618	0.000	0.026	0.002	0.024	DAZL
162	-0.130	0.502	0.102	0.269	AP1B1
1620	0.079	2.746	4.262	-1.437	DBC1
1621	0.010	0.053	0.000	0.063	DBH
1622	0.311	0.212	0.720	-0.151	DBI
162427	-0.467	1.247	1.188	-0.408	FAM134C
1627	0.421	-0.027	0.384	0.009	DBN1
1628	-0.010	-0.042	0.053	-0.105	DBP
1629	-0.119	0.650	0.753	-0.316	DBT
162972	-0.289	-0.148	-0.442	0.005	ZNF550
163	-0.177	0.116	-0.057	-0.003	AP2B1
1630	0.000	0.012	0.008	0.004	DCC
163131	0.000	0.018	0.000	0.019	ZNF780B
1632	-0.154	0.135	-0.077	0.058	ECI1
1633	0.067	0.796	0.687	0.176	DCK
1634	1.297	-5.474	-4.390	0.271	DCN
163486	-0.086	0.761	0.862	-0.186	DENND1B
1635	-0.417	0.633	0.341	-0.164	DCTD
1636	0.012	0.011	-0.003	0.027	ACE
1638	0.000	0.054	0.000	0.054	DCT
1639	-0.399	1.578	1.174	0.005	DCTN1
164	0.344	-1.964	-1.443	-0.178	AP1G1

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
164022	0.000	0.409	0.000	0.409	PPIAL4A
1641	-0.022	-0.001	-0.023	0.000	DCX
1642	-0.197	0.124	-0.208	0.135	DDB1
1643	0.041	1.451	0.619	0.873	DDB2
1644	-0.022	0.000	-0.022	0.000	DDC
1645	0.154	-1.963	-0.431	-1.377	AKR1C1
1646	0.104	-1.600	-0.289	-1.207	AKR1C2
164656	0.000	0.233	0.000	0.233	TMPRSS6
1647	0.184	-2.554	-2.951	0.581	GADD45A
1649	-0.047	-2.447	-2.525	0.030	DDIT3
165	0.630	-2.277	-1.434	-0.213	AEBP1
1650	-0.142	0.848	0.669	0.037	DDOST
1652	0.291	-0.119	-0.070	0.242	DDT
1653	-0.220	0.741	0.302	0.218	DDX1
1654	0.002	-0.658	-1.254	0.440	DDX3X
1655	-0.125	-0.314	-0.423	-0.016	DDX5
1656	0.147	-0.326	-0.202	0.023	DDX6
1657	-0.203	1.407	1.290	-0.085	DMXL1
1659	0.095	-1.432	-1.055	-0.281	DHX8
166	-0.197	1.672	1.470	0.004	AES
1660	-0.142	-1.531	-1.399	-0.274	DHX9
1662	-1.023	-1.375	-2.184	-0.213	DDX10
1663	-0.162	0.050	-0.015	-0.105	DDX11
1665	-0.270	-0.415	-0.651	-0.034	DHX15
1666	-1.011	3.113	2.185	-0.084	DECR1
166614	0.032	0.046	-0.003	0.081	DCLK2
166647	-0.258	1.259	1.538	-0.538	GPR125
1669	-0.031	0.000	-0.031	0.000	DEFA4
167	0.000	0.000	0.000	0.000	CRISP1
1670	0.000	0.000	0.000	0.000	DEFA5
1671	0.015	0.037	0.002	0.050	DEFA6
1672	1.248	-0.805	0.473	-0.030	DEFB1
167227	-0.204	-0.201	-0.181	-0.224	DGP2
1673	-0.016	-0.358	-0.908	0.534	DEFB4A
1674	0.007	0.091	0.094	0.004	DES
1675	1.136	-4.207	-3.309	0.238	CFD
1676	0.237	-1.114	-0.972	0.095	DFFA
1677	0.000	0.192	0.008	0.184	DFFB
1678	0.030	-0.331	-0.383	0.082	TIMM8A
168544	0.071	-0.109	-0.044	0.006	ZNF467
1687	0.032	1.874	2.033	-0.127	DFNA5
1690	0.000	0.310	0.365	-0.056	COCH
169522	-0.005	0.100	-0.006	0.101	KCNV2
169611	0.064	1.225	2.140	-0.851	OLFML2A
170679	-0.081	0.000	0.016	-0.097	PSORS1C1

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
170680	0.000	0.000	0.002	-0.002	PSORS1C2
170960	-0.132	0.039	-0.086	-0.007	ZNF721
171017	0.079	-0.206	-0.226	0.098	ZNF384
171023	-0.085	-1.209	-1.110	-0.184	ASXL1
171220	-0.210	-0.139	-0.401	0.052	DSTNP2
171392	-0.211	-0.125	-0.243	-0.093	ZNF675
171546	0.535	-1.214	-0.382	-0.297	SPTSSA
171558	0.051	-0.051	0.011	-0.002	PTCRA
171586	-0.036	0.233	0.510	-0.314	ABHD3
1716	-0.169	-0.007	0.000	-0.176	DGUOK
1717	0.151	0.813	0.865	0.099	DHCR7
1718	-1.186	0.418	-0.788	0.020	DHCR24
1719	-0.014	1.972	2.187	-0.054	DHFR
1720	0.000	0.000	0.000	0.000	LOC1720
1723	0.019	0.107	0.061	0.066	DHODH
1725	-0.139	-0.502	-0.410	-0.230	DHPS
1727	0.096	0.729	0.698	0.127	CYB5R3
1728	0.106	-2.320	-1.797	-0.417	NQO1
1729	-0.088	-1.121	-1.548	0.141	DIAPH1
173	0.000	0.000	0.000	0.000	AFM
1730	0.775	-0.775	0.053	-0.053	DIAPH2
1733	0.000	0.000	0.004	-0.004	DIO1
1734	-0.155	-0.009	-0.199	0.028	DIO2
1735	0.000	-0.041	-0.041	0.000	DIO3
1736	-0.104	-1.188	-0.893	-0.253	DKC1
1737	-0.225	0.848	0.808	-0.087	DLAT
1738	-0.160	0.579	0.533	-0.115	DLD
1739	-0.177	0.653	0.339	0.025	DLG1
174	0.008	0.013	0.000	0.021	AFP
1740	0.000	0.496	0.047	0.449	DLG2
1741	-0.176	0.237	0.085	-0.059	DLG3
1742	0.003	0.153	-0.010	0.167	DLG4
1743	0.620	-2.253	-0.723	-0.910	DLST
1746	0.119	-0.454	-0.338	0.003	DLX2
1748	0.000	0.005	0.006	-0.001	DLX4
1749	0.000	0.000	0.000	0.000	DLX5
175	-0.613	2.243	1.596	-0.007	AGA
1750	-0.002	0.000	-0.002	0.000	DLX6
1755	0.159	0.324	0.305	0.177	DMBT1
1756	0.238	0.258	0.282	-0.026	DMD
1757	0.000	0.068	0.003	0.065	SARDH
1758	0.037	-0.028	0.001	0.009	DMP1
1759	0.087	-0.073	0.000	0.014	DNM1
176	0.000	0.092	0.000	0.092	ACAN
1760	0.000	0.079	-0.026	0.079	DMPK

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
1761	-0.043	0.136	-0.010	0.103	DMRT1
1762	-0.057	0.019	-0.121	0.084	DMWD
1763	0.126	0.191	0.036	0.281	DNA2
1768	-0.036	0.017	-0.036	0.017	DNAH6
177	0.000	0.128	0.027	0.102	AGER
1770	0.017	0.008	0.000	0.024	DNAH9
1773	0.000	0.064	0.000	0.064	DNASE1
1774	-0.447	3.338	2.945	-0.055	DNASE1L1
1775	0.000	0.000	0.000	0.000	DNASE1L2
1776	-1.021	-0.544	-1.565	0.000	DNASE1L3
1777	-0.258	1.619	1.503	-0.142	DNASE2
1778	-0.496	1.576	1.112	-0.033	DYNC1H1
178	-0.401	2.474	1.587	0.485	AGL
1780	-0.024	0.024	0.203	-0.203	DYNC1I1
1781	-0.084	0.739	0.799	-0.144	DYNC1I2
1783	-0.143	0.201	0.199	-0.141	DYNC1LI2
1785	0.012	-0.054	-0.010	-0.032	DNM2
1786	-0.285	0.631	0.597	-0.251	DNMT1
1787	0.097	0.038	0.148	-0.013	TRDMT1
1788	0.000	0.273	0.000	0.273	DNMT3A
1789	0.102	-0.024	0.093	-0.015	DNMT3B
1791	0.000	0.001	0.000	0.001	DNTT
1793	-0.377	1.002	0.799	-0.174	DOCK1
1794	0.000	0.000	0.000	0.000	DOCK2
1795	-0.003	0.566	0.076	0.487	DOCK3
1796	-0.022	0.282	0.060	0.200	DOK1
1797	0.186	-0.405	-0.238	-0.036	DOM3Z
1798	-0.334	0.316	0.550	-0.568	DPAGT1
18	-2.048	2.336	0.154	0.052	ABAT
1800	0.000	0.000	0.000	0.000	DPEP1
1802	-0.161	-0.637	-0.575	-0.223	DPH2
1803	-0.008	0.097	-0.006	0.072	DPP4
1804	-0.002	0.385	0.006	0.377	DPP6
1805	0.985	-1.089	-0.230	0.000	DPT
1806	-0.173	-0.293	0.256	-0.722	DPYD
1807	0.000	0.022	0.000	0.022	DPYS
1808	0.709	1.334	2.491	-0.448	DPYSL2
1809	-0.117	0.618	0.436	0.064	DPYSL3
181	0.000	0.000	0.000	0.000	AGRP
1810	-0.233	-0.761	-0.927	0.062	DR1
1811	-0.017	0.058	-0.020	0.061	SLC26A3
1812	-0.004	0.000	-0.001	-0.002	DRD1
1813	0.011	0.033	0.037	0.013	DRD2
1814	0.000	0.000	0.000	0.000	DRD3
1815	0.000	0.000	0.000	0.000	DRD4

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
1816	-0.006	0.000	-0.006	0.000	DRD5
1819	-0.245	-0.065	-0.339	0.029	DRG2
182	-0.439	1.144	0.587	0.096	JAG1
1820	0.222	-0.234	-0.067	0.055	ARID3A
1821	0.000	0.035	0.000	0.035	DRP2
1822	0.000	-0.026	-0.134	-0.011	ATN1
1823	0.000	0.000	0.108	-0.108	DSC1
1824	-0.300	2.248	2.014	-0.066	DSC2
1825	-1.119	4.891	3.417	0.354	DSC3
1826	-0.174	0.000	-0.056	-0.118	DSCAM
1827	1.278	-3.091	-1.802	-0.034	RCAN1
1828	0.008	0.209	-0.010	0.228	DSG1
1829	-0.231	1.340	1.541	-0.433	DSG2
183	-0.012	-0.062	-0.091	0.016	AGT
1830	-0.696	4.506	2.323	1.487	DSG3
1831	0.967	-4.394	-3.212	-0.215	TSC22D3
1832	-0.484	2.025	1.383	0.158	DSP
1833	-0.017	0.000	-0.017	0.000	EPYC
1834	0.064	-0.076	0.060	-0.072	DSPP
1836	-0.431	4.509	4.566	-0.488	SLC26A2
1837	0.606	-0.847	-0.487	0.006	DTNA
1838	-0.007	0.301	0.163	0.132	DTNB
1839	-0.231	-2.028	-2.658	0.227	HBEGF
1841	-0.034	0.955	0.669	0.253	DTYMK
1842	0.478	-0.888	-0.424	0.013	ECM2
1843	0.076	-6.294	-6.069	-0.149	DUSP1
1844	0.368	-1.714	-1.582	0.235	DUSP2
1845	-0.074	-2.226	-2.381	0.081	DUSP3
1846	-0.831	0.490	0.407	-0.747	DUSP4
1847	0.277	-2.756	-1.495	-0.984	DUSP5
1848	0.186	1.511	1.555	0.020	DUSP6
1849	0.217	-0.261	0.195	-0.239	DUSP7
185	1.178	-3.243	-2.113	0.049	AGTR1
1850	-0.154	-2.442	-2.432	-0.164	DUSP8
1852	-0.026	0.073	-0.024	0.072	DUSP9
1854	-0.110	1.733	1.522	0.009	DUT
1855	-0.043	0.599	0.320	0.236	DVL1
1856	-0.003	-0.278	-0.306	0.025	DVL2
1857	-0.111	-0.007	-0.123	0.005	DVL3
1859	0.031	-0.132	-0.171	0.026	DYRK1A
186	0.000	0.000	0.000	0.000	AGTR2
1861	-0.584	0.722	0.260	-0.122	TOR1A
1869	0.045	0.144	0.036	0.152	E2F1
187	0.075	-0.075	0.053	-0.053	APLNR
1870	0.171	-0.171	0.000	0.000	E2F2

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
1871	-0.100	-0.211	-0.297	-0.014	E2F3
1874	-0.070	-0.062	-0.191	0.059	E2F4
1875	-0.231	0.589	0.473	-0.116	E2F5
1876	0.340	-2.247	-2.097	0.190	E2F6
1877	-0.106	-0.423	-0.844	0.314	E4F1
1880	1.514	-3.794	-2.357	0.077	GPR183
1889	-0.292	0.607	0.380	-0.065	ECE1
189	-0.028	0.000	-0.028	-0.005	AGXT
1890	-0.649	-0.555	-1.432	0.228	TYMP
1891	-0.595	1.596	0.553	0.448	ECH1
1892	-0.592	1.904	1.529	-0.218	ECHS1
1893	0.224	-0.299	0.370	-0.445	ECM1
1894	-0.331	0.047	-0.568	0.284	ECT2
1896	0.000	0.070	0.000	0.008	EDA
19	0.387	1.515	1.972	-0.026	ABCA1
190	0.029	-0.095	-0.062	-0.004	NR0B1
1901	1.006	-1.711	-0.827	0.123	S1PR1
1902	0.510	-1.268	-0.965	-0.029	LPAR1
1906	0.136	-4.029	-4.056	0.162	EDN1
1907	0.240	-1.221	-1.151	0.170	EDN2
1908	0.001	0.068	0.000	0.068	EDN3
1909	0.524	-0.367	0.017	0.031	EDNRA
191	0.077	-0.053	-0.081	0.105	AHCY
1910	0.815	-5.738	-4.620	-0.123	EDNRB
1911	-0.071	0.020	-0.210	0.158	PHC1
1912	0.228	-0.706	-0.498	0.020	PHC2
1915	-0.134	0.025	-0.078	-0.027	EEF1A1
191585	0.000	0.024	0.000	0.024	PLAC4
1917	-1.136	-0.629	-1.695	-0.071	EEF1A2
192286	0.231	0.197	0.303	0.125	HIGD2A
192666	0.050	-0.166	-0.089	-0.027	KRT24
192669	-0.079	-1.881	-1.977	0.017	EIF2C3
192670	0.000	0.215	0.100	0.115	EIF2C4
192683	-0.002	0.069	-0.002	0.069	SCAMP5
1933	0.101	-0.396	-0.359	0.064	EEF1B2
1936	0.202	-0.290	0.047	-0.056	EEF1D
1937	0.136	-0.356	-0.240	0.020	EEF1G
1938	-0.037	-0.635	-0.473	-0.199	EEF2
1939	0.406	0.458	1.027	-0.164	EIF2D
1942	-0.323	-1.448	-1.942	0.171	EFNA1
1943	0.000	0.000	0.035	-0.035	EFNA2
1944	0.013	-0.068	-0.135	0.080	EFNA3
1945	-0.098	1.481	0.968	0.416	EFNA4
1946	-0.081	1.863	1.516	0.266	EFNA5
1947	-0.382	0.020	-0.474	0.112	EFNB1

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
1948	0.820	-1.351	-0.300	-0.230	EFNB2
1949	0.033	0.232	0.560	-0.295	EFNB3
1950	0.066	-0.095	0.225	-0.254	EGF
1951	-0.025	0.141	-0.131	0.246	CELSR3
1952	0.001	1.821	2.355	-0.532	CELSR2
1953	0.020	0.608	0.115	0.513	MEGF6
1954	0.000	0.048	0.298	-0.250	MEGF8
1955	-0.563	0.721	0.258	-0.100	MEGF9
1956	0.061	-0.700	-0.233	-0.314	EGFR
1958	0.073	-3.473	-2.780	-0.621	EGR1
1959	-0.155	-1.934	-2.297	0.208	EGR2
196	0.072	0.190	0.936	-0.674	AHR
1960	0.099	-1.602	-1.149	-0.354	EGR3
1961	-0.187	-0.154	-0.340	-0.001	EGR4
1962	0.005	0.233	0.646	-0.408	EHHADH
1964	0.043	-1.105	-0.802	-0.319	EIF1AX
196403	0.017	0.029	0.007	0.021	DTX3
196441	0.346	-0.233	0.136	-0.024	ZFC3H1
196483	-0.164	0.177	0.094	-0.081	FAM86A
1965	0.052	-1.262	-0.912	-0.059	EIF2S1
1967	-0.188	1.042	0.826	0.028	EIF2B1
196740	0.358	-0.195	0.000	0.162	VSTM4
196743	-0.212	-0.001	-0.171	-0.042	PAOX
1968	0.107	-0.896	-2.128	1.340	EIF2S3
1969	0.268	-1.705	-1.179	-0.257	EPHA2
196993	0.078	-0.078	0.000	0.000	CT62
197	-0.013	0.129	-0.013	0.129	AHSG
1973	-0.216	-0.990	-1.053	0.050	EIF4A1
197320	0.015	-0.016	0.114	-0.115	ZNF778
1974	-0.127	-0.283	-0.208	-0.201	EIF4A2
1975	0.009	-0.304	-0.130	-0.247	EIF4B
1977	0.044	-0.820	-1.048	-0.193	EIF4E
1978	0.410	-0.972	-0.495	-0.067	EIF4EBP1
1979	0.206	-0.747	-0.236	-0.305	EIF4EBP2
1981	-0.289	-0.150	-0.272	-0.166	EIF4G1
1982	-0.341	0.258	-0.156	0.073	EIF4G2
1983	-0.239	-1.766	-1.627	-0.323	EIF5
1984	0.118	-0.181	-0.467	0.319	EIF5A
199	0.120	1.057	0.739	0.037	AIF1
1991	0.000	0.000	0.000	0.000	ELANE
1992	0.204	-0.447	-0.209	-0.034	SERPINB1
1993	-0.002	0.140	0.009	0.129	ELAVL2
1994	-0.120	-0.949	-0.956	-0.113	ELAVL1
1995	-0.020	0.425	0.151	0.253	ELAVL3
1996	0.000	0.000	0.000	0.000	ELAVL4

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
1997	0.357	-2.663	-1.727	-0.579	ELF1
199731	0.104	-0.055	0.016	0.042	CADM4
1998	0.054	-0.100	-0.120	0.075	ELF2
199870	-0.038	-0.050	-0.089	0.000	FAM76A
1999	-0.349	-0.814	-0.780	-0.383	ELF3
2	0.933	1.192	2.233	-0.108	A2M
20	0.000	0.110	0.015	0.000	ABCA2
2000	-0.158	-1.642	-1.457	-0.342	ELF4
200081	0.091	-0.476	-0.113	-0.272	TXLNA
2001	0.854	0.571	2.475	-1.051	ELF5
2002	-0.002	-0.231	-0.343	0.095	ELK1
200205	0.085	-0.126	0.154	-0.195	IBA57
200315	-0.349	-0.086	-0.423	-0.013	APOBEC3A
200316	-0.002	0.291	0.414	-0.125	APOBEC3F
2004	0.887	-2.835	-2.022	0.073	ELK3
200424	-0.122	-0.026	-0.148	0.000	TET3
2005	0.532	-0.706	-0.302	0.022	ELK4
200576	0.107	-0.307	0.366	-0.567	PIKFYVE
2006	0.007	0.216	0.012	0.211	ELN
200734	-0.069	-0.030	-0.183	0.000	SPRED2
2009	0.008	0.240	0.388	-0.140	EML1
2010	0.408	-1.729	-1.296	-0.024	EMD
2011	0.136	-0.100	0.082	-0.046	MARK2
201134	0.409	-0.236	0.203	-0.029	CEP112
201163	0.034	-0.032	-0.053	0.055	FLCN
201191	-0.031	0.000	0.061	-0.092	SAMD14
2012	0.442	-3.009	-2.392	-0.175	EMP1
201229	0.000	0.110	0.158	-0.048	C17orf108
201254	-0.031	0.500	0.352	0.117	STRA13
2013	-0.275	1.937	1.672	-0.010	EMP2
2014	-0.469	0.381	-0.258	0.170	EMP3
2015	0.005	-0.005	0.000	0.000	EMR1
201501	0.000	0.000	0.004	-0.004	ZBTB7C
201562	-0.228	1.332	1.625	-0.521	PTPLB
2016	-0.029	0.076	-0.029	0.075	EMX1
201626	-0.079	-0.002	-0.081	0.000	PDE12
2017	-0.056	-1.185	-0.931	-0.489	CTTN
2018	0.071	-0.121	0.006	-0.056	EMX2
201895	-0.011	0.000	0.076	-0.087	C4orf34
2019	0.068	-0.068	0.052	-0.052	EN1
202	-0.599	1.484	0.948	-0.063	AIM1
2020	0.245	-0.268	-0.045	0.023	EN2
202018	0.002	0.076	0.037	0.041	TAPT1
2021	-0.217	0.997	0.555	0.225	ENDOG
202181	-0.003	0.036	0.024	0.010	LOC202181

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
2022	0.162	-0.327	0.019	-0.185	ENG
2023	0.080	-0.977	-0.757	-0.141	ENO1
202559	-0.134	0.137	-0.129	0.132	KHDRBS2
2026	0.665	-2.687	-1.272	-0.751	ENO2
2027	0.018	0.202	0.072	0.148	ENO3
2028	1.304	-2.202	-0.944	0.046	ENPEP
2029	0.061	-1.176	-1.070	-0.045	ENSA
203	0.186	0.088	0.166	0.108	AK1
2030	0.114	0.273	0.050	0.338	SLC29A1
203068	0.172	0.087	-0.085	0.337	TUBB
203069	0.049	0.358	0.479	-0.071	R3HCC1
203197	-0.180	-0.030	-0.266	0.056	C9orf91
2033	-0.145	-0.397	-0.023	-0.519	EP300
2034	-0.178	-3.444	-3.319	-0.303	EPAS1
2035	-0.023	0.000	-0.021	-0.002	EPB41
2036	0.001	0.831	0.802	-0.071	EPB41L1
2037	0.169	-1.583	-1.684	0.270	EPB41L2
2038	0.024	-0.024	0.000	0.000	EPB42
2039	0.017	1.005	0.449	0.573	EPB49
204	-0.053	-0.178	-0.215	-0.001	AK2
2040	-0.142	-2.313	-2.700	0.013	STOM
2041	0.003	0.116	0.149	-0.031	EPHA1
2042	-0.001	0.000	-0.002	0.000	EPHA3
2043	0.461	3.256	3.785	-0.067	EPHA4
2044	-0.005	0.035	0.007	0.023	EPHA5
2045	0.000	0.048	0.000	0.048	EPHA7
2047	0.000	0.008	0.006	0.002	EPHB1
2048	0.034	0.968	1.538	-0.601	EPHB2
204851	0.325	-2.200	-1.455	-0.421	HIPK1
2049	-0.092	3.396	2.779	0.525	EPHB3
205	-0.086	-1.475	-1.062	-0.499	AK4
2050	-0.093	1.106	0.941	0.072	EPHB4
2051	-0.100	2.355	2.324	-0.069	EPHB6
2052	-0.778	1.413	-0.201	0.835	EPHX1
2053	0.000	0.316	0.053	0.263	EPHX2
2054	0.291	-0.315	-0.041	0.017	STX2
2055	-0.012	-1.357	-1.561	0.192	CLN8
205564	0.278	-0.301	-0.024	-0.138	SEN5
2056	0.017	-0.037	-0.023	0.004	EPO
2057	-0.009	0.008	-0.070	0.011	EPOR
2058	-0.428	-0.028	-0.269	-0.280	EPRS
2059	0.144	0.203	0.749	-0.402	EPS8
2060	-0.178	0.783	0.691	-0.086	EPS15
2063	-0.085	0.000	0.049	0.000	NR2F6
206358	-0.063	0.703	0.299	0.342	SLC36A1

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
2064	-0.640	1.286	0.795	-0.149	ERBB2
2065	-0.330	0.516	0.427	-0.241	ERBB3
2066	-0.250	0.014	-0.254	0.019	ERBB4
2067	-0.068	-0.170	-0.356	0.119	ERCC1
2068	-0.036	0.000	-0.036	0.000	ERCC2
2069	-1.256	3.621	2.434	-0.070	EREG
207	-0.227	0.581	0.117	0.238	AKT1
2070	0.000	0.000	0.001	-0.001	EYA4
2071	-0.595	-0.052	-0.427	-0.219	ERCC3
2072	-0.033	-0.099	-0.045	-0.087	ERCC4
2073	-0.257	1.301	1.477	-0.432	ERCC5
2077	0.301	-1.953	-1.704	0.051	ERF
2078	0.183	-0.419	-0.225	0.001	ERG
2079	-0.081	0.560	0.498	-0.019	ERH
208	0.000	0.000	0.000	0.000	AKT2
2081	0.069	-0.649	-0.584	0.003	ERN1
2091	0.444	-1.991	-1.786	0.239	FBL
2098	0.049	0.984	0.921	0.112	ESD
2099	-0.023	0.000	-0.006	0.000	ESR1
21	-0.002	0.246	0.301	-0.057	ABCA3
210	-0.014	1.071	1.419	-0.361	ALAD
2100	0.002	0.000	0.000	0.000	ESR2
2101	0.032	-0.018	0.066	-0.052	ESRRA
2103	0.022	-0.022	0.001	-0.001	ESRRB
2104	0.023	0.159	0.207	-0.025	ESRRG
2107	0.147	-1.754	-1.707	0.100	ETF1
2108	-0.386	0.521	0.037	0.098	ETFA
2109	-1.209	3.823	2.471	0.144	ETFB
211	-0.095	-0.354	-0.039	-0.410	ALAS1
2110	-0.437	-0.114	-0.310	-0.240	ETFDH
2113	0.423	-3.392	-2.794	-0.175	ETS1
2114	0.189	-4.185	-3.472	-0.525	ETS2
2115	0.163	1.542	2.562	-0.928	ETV1
2116	0.047	0.141	0.000	0.189	ETV2
2117	0.000	0.000	0.174	-0.174	ETV3
2118	-0.032	0.961	1.239	-0.311	ETV4
2119	0.292	0.415	0.798	0.079	ETV5
212	0.000	0.000	0.064	-0.064	ALAS2
2120	0.566	-1.652	-0.395	-0.691	ETV6
2121	-0.092	0.835	0.621	0.123	EVC
2122	0.000	0.016	0.025	-0.012	MECOM
2123	1.208	-1.389	-0.245	0.063	EVI2A
2124	1.387	-2.025	-0.767	0.130	EVI2B
2125	-0.163	1.585	1.481	-0.059	EVPL
2128	-0.010	-0.002	-0.012	0.000	EVX1

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213	-0.020	-2.135	-2.183	0.028	ALB
2130	-0.440	-0.918	-1.380	-0.073	EWSR1
2131	0.140	0.010	0.384	-0.234	EXT1
2132	0.461	0.084	0.700	-0.155	EXT2
2134	-0.008	1.276	0.603	0.665	EXTL1
2135	-0.059	2.135	2.011	0.064	EXTL2
2137	-0.106	0.072	-0.101	0.067	EXTL3
2138	0.000	0.000	0.001	-0.002	EYA1
2139	-0.038	0.457	1.389	-0.969	EYA2
214	-0.939	1.882	0.922	0.021	ALCAM
2140	0.194	-0.194	0.000	0.000	EYA3
2145	0.001	0.212	0.216	-0.009	EZH1
2146	0.318	-1.687	-1.257	-0.112	EZH2
2147	0.014	0.021	0.001	0.034	F2
2149	0.765	3.235	4.948	-0.949	F2R
215	-0.006	0.081	0.050	0.025	ABCD1
2150	-0.419	1.418	0.664	0.335	F2RL1
2151	0.027	-0.027	0.000	0.000	F2RL2
2152	0.027	2.019	2.074	-0.027	F3
2153	-0.025	0.063	-0.028	0.066	F5
2155	0.000	0.104	0.050	0.054	F7
2157	0.179	1.001	1.328	-0.148	F8
2158	0.068	-0.069	0.026	-0.027	F9
2159	0.007	-0.007	0.000	0.000	F10
216	0.128	-0.982	-0.865	0.011	ALDH1A1
2160	-0.016	0.109	-0.014	0.107	F11
2161	-0.021	0.012	0.223	-0.232	F12
2162	0.048	0.974	0.856	0.167	F13A1
2165	0.000	0.019	0.000	0.019	F13B
2166	0.001	0.505	0.100	0.406	FAAH
2167	0.605	-5.942	-6.058	0.721	FABP4
2168	0.012	0.007	0.000	0.018	FABP1
2169	-0.013	0.000	-0.014	0.000	FABP2
217	-0.403	-4.826	-4.872	-0.357	ALDH2
2170	1.718	-1.682	-0.001	0.038	FABP3
2171	0.664	0.457	0.903	0.218	FABP5
2172	0.000	0.189	0.000	0.189	FABP6
2173	0.061	4.534	3.682	0.961	FABP7
2175	0.016	-0.007	0.000	0.000	FANCA
2176	-0.110	0.219	0.007	0.102	FANCC
2178	-0.103	-0.028	-0.324	0.193	FANCE
218	0.012	-0.081	-0.066	-0.004	ALDH3A1
2180	0.335	-1.175	-0.908	0.068	ACSL1
2181	-0.259	2.806	2.966	-0.368	ACSL3
2182	0.334	-0.763	-0.491	0.062	ACSL4

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
2184	-0.611	0.700	0.164	-0.075	FAH
2185	-0.116	0.058	-0.262	0.203	PTK2B
2186	-0.342	0.626	0.683	-0.399	BPTF
2188	-0.043	1.131	1.800	-0.712	FANCF
2189	0.212	-0.089	0.140	-0.017	FANCG
219	-0.281	0.110	-0.231	0.059	ALDH1B1
2191	0.011	5.752	5.082	0.681	FAP
2192	0.512	-0.014	-0.001	0.018	FBLN1
2193	-0.412	-0.495	-0.872	-0.035	FARSA
219333	0.516	-2.122	-1.509	-0.097	USP12
2194	-0.387	-0.381	-1.001	0.232	FASN
2195	0.026	2.079	2.403	-0.297	FAT1
219595	0.061	0.068	0.186	-0.056	FOLH1B
2196	0.001	0.885	0.441	0.445	FAT2
219654	0.238	0.184	0.618	-0.195	ZCCHC24
219699	-0.008	0.282	0.104	0.170	UNC5B
2197	0.133	-0.615	-0.763	0.281	FAU
2199	0.033	0.816	1.141	-0.291	FBLN2
22	0.137	-0.865	-0.245	-0.483	ABCB7
220	-0.118	1.470	1.490	-0.138	ALDH1A3
2200	0.760	1.211	1.398	0.574	FBN1
220077	0.000	0.000	0.000	0.000	LOC220077
2201	-0.208	0.829	0.648	-0.027	FBN2
220134	0.000	0.003	0.054	-0.051	SKA1
2202	0.331	3.620	4.702	-0.751	EFEMP1
2203	-0.408	-0.162	-0.665	0.094	FBP1
2204	0.004	-0.004	0.000	0.000	FCAR
2205	-0.044	0.000	-0.037	-0.008	FCER1A
220594	-0.596	1.649	0.861	0.192	USP32P2
2206	-0.012	0.000	-0.012	0.000	MS4A2
2207	-0.048	-0.912	-0.967	0.008	FCER1G
2208	0.012	0.138	0.000	0.149	FCER2
2209	0.000	0.000	0.000	0.000	FCGR1A
220965	-0.008	0.013	-0.008	0.013	FAM13C
220972	-0.160	-0.158	-0.214	-0.105	8-Mar
220988	0.153	-0.478	-0.062	-0.178	HNRNPA3
221	-0.048	0.153	0.266	-0.161	ALDH3B1
2210	0.000	0.000	0.000	0.000	FCGR1B
221037	0.148	-1.603	-1.038	-0.417	JMJD1C
221061	0.016	1.641	1.417	0.240	FAM171A1
221078	0.061	-0.134	-0.073	0.000	NSUN6
221092	-0.153	0.289	0.484	-0.348	HNRNPUL2
221154	-0.250	1.091	0.944	-0.103	EFHA1
2212	0.329	-0.231	0.095	0.003	FCGR2A
2213	-0.356	-0.002	-0.322	-0.036	FCGR2B

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221395	1.008	-2.426	-1.522	0.104	GPR116
221443	-0.182	0.597	0.367	0.048	C6orf130
221472	0.000	0.085	0.000	0.085	FGD2
2215	0.000	0.182	0.007	0.175	FCGR3B
221692	0.103	-0.104	0.018	-0.018	PHACTR1
2217	0.147	1.126	0.982	0.291	FCGRT
221749	-0.166	-0.595	-1.246	0.485	PXDC1
2218	-0.052	1.307	2.280	-1.026	FKTN
221823	0.000	0.033	0.000	0.033	PRPS1L1
221830	0.275	-0.548	-0.234	-0.039	TWISTNB
2219	0.130	0.292	0.000	0.422	FCN1
221960	0.229	-0.351	-0.071	-0.051	CCZ1B
221981	-0.016	-0.004	0.024	-0.044	THSD7A
222	-0.408	0.925	0.442	0.076	ALDH3B2
2220	0.053	0.043	0.000	0.096	FCN2
222161	-0.479	-1.054	-1.596	0.063	DKFZP586I1420
2222	-0.074	0.023	0.235	-0.286	FDFT1
222255	-0.081	0.099	-0.066	0.083	ATXN7L1
2224	0.001	0.205	0.103	0.102	FDPS
222487	0.000	0.009	0.000	0.009	GPR97
222642	0.000	0.000	0.000	0.000	TSPO2
222658	0.120	-0.728	-0.956	0.348	KCTD20
222663	0.004	0.011	-0.001	0.016	SCUBE3
223	-0.271	1.530	1.509	-0.250	ALDH9A1
2230	0.361	-1.254	-0.723	-0.170	FDX1
223117	-0.023	0.000	-0.016	-0.007	SEMA3D
2232	-0.045	0.490	0.781	-0.335	FDXR
2235	-0.458	0.712	-0.094	0.348	FECH
2237	0.331	-1.632	-1.290	-0.011	FEN1
2239	-0.792	1.141	0.111	0.239	GPC4
224	-0.559	-0.429	-0.719	-0.269	ALDH3A2
2241	-0.270	-0.338	-0.315	-0.293	FER
2242	0.000	0.131	0.004	0.127	FES
2243	-0.623	0.128	-0.608	0.114	FGA
2244	-2.173	-0.003	-2.176	0.000	FGB
2245	0.004	0.634	0.152	0.486	FGD1
2246	-0.088	2.448	1.691	0.669	FGF1
2247	-0.673	-0.121	-0.659	-0.135	FGF2
2248	0.000	0.000	0.000	0.000	FGF3
2249	-0.001	0.049	0.107	-0.058	FGF4
225	0.000	0.000	0.000	0.000	ABCD2
2250	-0.022	0.000	-0.022	0.000	FGF5
2251	-0.008	0.011	0.027	-0.023	FGF6
2252	0.296	-0.200	-0.006	0.102	FGF7
2253	0.003	-0.003	0.000	0.000	FGF8

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2254	0.122	-0.124	-0.026	0.023	FGF9
2257	-0.139	-0.004	-0.144	0.000	FGF12
2258	-0.507	3.304	3.509	-0.713	FGF13
2259	-0.001	0.000	0.003	-0.003	FGF14
226	-0.102	-0.652	-0.883	0.129	ALDOA
2260	0.038	-1.308	-1.502	0.011	FGFR1
2261	0.057	0.939	0.651	0.344	FGFR3
2262	0.005	-0.005	0.000	0.000	GPC5
2263	-0.005	0.000	0.075	0.000	FGFR2
2264	0.021	-0.019	0.058	-0.056	FGFR4
2266	-3.368	0.129	-3.350	0.112	FGG
2267	-0.105	-0.043	-0.282	0.134	FGL1
2268	0.013	-0.834	-0.818	-0.003	FGR
2271	-0.135	0.395	0.478	-0.122	FH
2272	0.521	-0.260	0.418	-0.157	FHIT
2273	0.574	-1.094	-0.643	0.093	FHL1
2274	-0.322	-0.433	-0.787	0.032	FHL2
2275	0.024	-0.024	0.000	0.000	FHL3
2277	0.000	0.000	0.000	0.000	FIGF
22794	-0.096	-1.259	-1.096	-0.258	CASC3
22795	0.156	-0.087	0.465	-0.397	NID2
22796	-0.533	-0.083	0.244	-0.860	COG2
22797	0.056	-0.057	0.018	-0.019	TFEC
22798	-0.014	0.064	-0.011	0.061	LAMB4
228	-0.019	0.000	-0.015	-0.004	ALDOAP2
2280	0.160	0.319	0.312	-0.028	FKBP1A
22800	-0.289	-0.459	-0.795	0.209	RRAS2
22802	2.403	-2.520	0.053	-0.170	CLCA4
22806	0.000	0.000	0.000	0.000	IKZF3
22807	0.000	0.007	0.005	0.002	IKZF2
22808	-0.029	0.993	1.350	-0.386	MRAS
22809	0.024	-0.097	-0.173	0.060	ATF5
2281	-0.735	3.778	2.786	0.258	FKBP1B
22818	-0.127	0.637	0.230	0.281	COPZ1
22820	0.186	0.417	0.419	0.185	COPG1
22821	0.037	-0.197	-0.158	-0.002	RASA3
22822	0.410	0.948	2.115	-0.696	PHLDA1
22823	-0.056	-0.863	-0.740	-0.106	MTF2
22824	0.073	-0.345	-0.043	-0.229	HSPA4L
22826	0.265	-1.299	-1.110	-0.137	DNAJC8
22827	0.141	-0.591	-0.471	0.020	PUF60
22828	0.262	-1.809	-1.447	-0.099	SCAF8
22829	0.000	0.000	0.000	0.000	NLGN4Y
22832	-0.025	0.041	0.318	-0.302	KIAA1009
22833	-0.173	-0.145	-0.203	-0.115	KIAA0894

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22834	0.056	1.000	2.614	-1.557	ZNF652
22835	-0.005	0.048	0.314	-0.271	ZFP30
22836	0.017	-1.046	-0.729	-0.314	RHOBTB3
22837	-0.432	-0.262	-0.493	-0.012	COBLL1
22838	-0.363	0.660	-0.102	0.400	RNF44
22839	0.025	-0.025	-0.195	-0.040	DLGAP4
22841	0.095	0.085	0.498	-0.319	RAB11FIP2
22843	0.001	-0.030	0.105	-0.134	PPM1E
22844	-0.006	0.058	0.008	0.044	FRMPD1
22845	0.536	0.490	0.418	0.607	DOLK
22846	0.036	-0.032	0.005	-0.001	VASH1
22847	0.000	0.000	0.010	-0.010	ZNF507
22848	0.000	0.004	0.000	0.005	AAK1
22849	0.396	-0.898	-0.623	0.121	CPEB3
22850	0.443	-2.839	-2.101	-0.295	ADNP2
22852	-0.009	0.120	0.337	-0.226	ANKRD26
22853	-0.098	-0.006	-0.111	0.007	LMTK2
22854	0.029	-0.024	0.085	-0.079	NTNG1
22856	0.009	0.299	0.390	-0.082	CHSY1
22858	-0.031	1.831	1.396	0.405	ICK
22859	-0.057	0.997	0.587	0.525	LPHN1
2286	-0.148	0.569	0.372	0.048	FKBP2
22861	0.015	-0.015	0.000	0.000	NLRP1
22862	-0.052	-0.794	-0.554	-0.292	FNDC3A
22863	0.149	-1.265	-0.832	-0.284	ATG14
22864	-0.119	1.029	1.083	-0.172	R3HDM2
22865	0.000	0.011	0.000	0.011	SLITRK3
22866	0.000	0.070	0.054	0.016	CNKSR2
22868	0.036	-0.806	-1.092	0.322	FASTKD2
22869	0.206	0.024	0.318	-0.088	ZNF510
2287	-0.212	1.651	1.675	-0.237	FKBP3
22870	-0.060	-0.297	-0.139	-0.218	PPP6R1
22871	-0.055	0.039	-0.002	-0.014	NLGN1
22872	0.152	-0.284	-0.230	0.097	SEC31A
22873	0.075	2.052	2.351	-0.224	DZIP1
22874	-0.585	0.234	-0.484	0.133	PLEKHA6
22875	-0.020	0.736	0.773	-0.056	ENPP4
22876	0.187	2.027	2.292	-0.078	INPP5F
22877	-0.070	-0.195	0.041	-0.306	MLXIP
22878	-0.269	-0.083	-0.257	-0.095	TRAPPC8
22879	0.342	-1.704	-1.238	-0.124	MON1B
2288	0.018	-1.733	-1.523	-0.192	FKBP4
22880	-0.078	-0.350	0.018	-0.445	MORC2
22881	0.480	-0.209	0.454	-0.183	ANKRD6
22882	0.446	-0.980	-0.254	-0.280	ZHX2

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
22883	-0.309	3.262	2.956	-0.003	CLSTN1
22884	0.601	-2.262	-0.894	-0.766	WDR37
22885	-0.390	1.480	1.785	-0.694	ABLIM3
22887	-0.201	-2.276	-2.247	-0.230	FOXJ3
22888	-0.092	0.075	-0.001	-0.016	UBOX5
22889	-0.133	-1.298	-1.383	-0.048	KIAA0907
2289	0.216	-3.523	-3.284	-0.023	FKBP5
22890	-0.107	-0.332	-0.293	-0.146	ZBTB1
22891	0.451	2.498	3.002	-0.053	ZNF365
22893	0.175	-0.868	-0.756	0.063	BAHD1
22894	-0.051	0.120	-0.057	0.126	DIS3
22895	-0.005	0.050	0.043	0.002	RPH3A
22897	-0.007	0.013	-0.008	0.014	CEP164
22898	0.114	-1.124	-1.165	0.155	DENND3
22899	-0.095	0.020	-0.035	-0.039	ARHGEF15
229	0.000	0.025	0.001	0.046	ALDOB
2290	0.014	0.101	0.004	0.111	FOXG1
22900	-0.002	0.432	0.272	0.159	CARD8
22902	-0.102	-0.011	-0.103	-0.250	RUFY3
22903	-0.184	2.482	2.385	-0.086	BTBD3
22904	-0.079	-0.904	-0.839	-0.145	SBNO2
22905	-0.142	0.080	-0.263	0.200	EPN2
22906	-0.267	1.794	1.674	-0.465	TRAK1
22907	-0.090	-0.252	-0.384	0.042	DHX30
22908	-0.074	0.715	0.849	-0.208	SACM1L
22909	-0.244	0.593	0.556	-0.207	FAN1
22911	0.208	-0.627	-0.780	0.361	WDR47
22913	0.028	0.141	0.168	0.001	RALY
22914	0.581	-1.250	-0.675	0.006	KLRK1
22915	-0.622	-0.704	-1.325	-0.001	MMRN1
22916	-0.238	-0.437	-0.429	-0.246	NCBP2
22918	1.079	-5.211	-3.980	-0.152	CD93
22919	0.205	-1.986	-1.636	-0.145	MAPRE1
22920	-0.363	1.967	1.906	-0.303	KIFAP3
22921	-0.462	1.900	1.338	0.100	MSRB2
22924	-0.054	-0.118	-0.040	-0.093	MAPRE3
22925	0.037	1.036	1.782	-0.709	PLA2R1
22926	0.212	-0.419	0.195	-0.402	ATF6
22927	0.041	-0.045	-0.104	0.101	HABP4
22928	0.192	-1.156	-0.898	-0.066	SEPHS2
22929	0.138	0.638	1.084	-0.307	SEPHS1
22930	0.089	-1.177	-0.266	-0.436	RAB3GAP1
22932	0.402	-1.357	-0.764	-0.191	POMZP3
22933	0.197	0.073	0.180	0.090	SIRT2
22934	-0.150	-0.894	-0.814	-0.229	RPIA

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
22936	0.292	-1.466	-0.923	-0.252	ELL2
22937	-0.597	0.933	0.265	0.071	SCAP
22938	0.090	-1.493	-1.297	0.034	SNW1
2294	0.001	-0.078	-0.077	0.000	FOXF1
22941	-0.089	1.339	1.235	-0.029	SHANK2
22943	-0.625	4.096	3.160	0.311	DKK1
22944	0.122	-1.467	-1.037	-0.309	KIN
22948	-0.073	-0.656	-0.646	-0.083	CCT5
2295	0.245	-0.339	-0.094	0.000	FOXF2
22950	-0.058	-0.286	0.215	-0.559	SLC4A1AP
22953	0.022	-0.023	-0.001	-0.001	P2RX2
22954	-0.029	0.645	0.249	0.367	TRIM32
22955	-0.326	0.373	0.118	-0.071	SCMH1
2296	0.479	2.212	2.503	0.187	FOXC1
2297	0.155	0.546	0.678	0.023	FOXD1
22974	-0.065	0.458	0.898	-0.506	TPX2
22976	-0.354	-0.495	-0.310	-0.540	PAXIP1
22977	0.015	0.056	-0.062	0.133	AKR7A3
22978	0.195	0.173	0.849	-0.481	NT5C2
22979	-0.048	0.041	0.092	-0.098	EFR3B
22980	-0.093	-0.048	-0.061	0.000	TCF25
22981	-0.003	0.456	0.214	0.239	NINL
22982	0.481	0.009	0.397	0.093	DIP2C
22983	0.000	0.000	0.000	0.000	MAST1
22984	-0.288	-0.460	-0.705	-0.042	PDCD11
22985	-0.277	-0.583	-0.524	-0.336	ACIN1
22986	0.009	-0.009	0.000	0.000	SORCS3
22987	0.000	0.018	0.007	0.011	SV2C
22989	-0.060	0.211	-0.063	0.214	MYH15
2299	0.363	3.582	4.324	-0.379	FOXI1
22990	0.008	-0.038	-0.059	-0.022	PCNX
22992	-0.175	-0.866	-0.784	-0.037	KDM2A
22993	-0.039	-0.548	-0.671	0.084	HMGXB3
22994	0.016	0.399	0.097	0.318	AZI1
22995	0.013	0.089	-0.002	0.103	CEP152
22996	-0.014	-0.002	-0.017	0.000	TTC39A
22997	0.044	-0.044	0.015	-0.015	IGSF9B
22998	-1.400	1.986	0.813	-0.219	LIMCH1
22999	0.003	-0.003	0.026	-0.026	RIMS1
23	-0.126	-2.609	-1.653	-1.082	ABCF1
230	0.531	-1.550	-0.969	-0.050	ALDOC
2300	0.000	0.000	0.000	0.000	FOXL1
23001	-0.224	0.325	0.492	-0.436	WDFY3
23002	0.034	0.216	0.604	-0.354	DAAM1
23005	0.278	-1.508	-1.334	0.104	MAPKBP1

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
23007	0.011	0.081	0.069	0.006	PLCH1
23008	-0.326	0.223	-0.001	-0.102	KLHDC10
2301	0.008	-0.008	0.000	0.000	FOXE3
23011	0.424	-2.125	-1.470	-0.231	RAB21
23012	0.415	0.671	1.056	0.029	STK38L
23013	-0.198	-2.797	-2.253	-0.741	SPEN
23014	-0.055	-0.507	-0.035	-0.528	FBXO21
23015	-0.679	0.750	0.631	-0.502	GOLGA8A
23016	-0.069	0.301	0.468	-0.235	EXOSC7
23017	0.107	-0.108	0.000	0.000	FAIM2
23019	0.232	-0.848	-0.587	-0.028	CNOT1
2302	0.078	-0.079	-0.001	0.000	FOXJ1
23020	-0.240	0.217	-0.007	-0.016	SNRNP200
23022	0.054	0.032	-0.272	0.062	PALLD
23023	-0.268	2.084	2.839	-0.039	TMCC1
23024	0.097	-0.447	-0.462	0.112	PDZRN3
23025	0.006	0.064	0.000	0.069	UNC13A
23026	0.001	-0.001	0.000	0.000	MYO16
23028	0.114	-0.255	-0.156	0.015	KDM1A
23029	0.137	-0.168	-0.028	-0.003	RBM34
2303	0.000	0.000	0.000	0.000	FOXC2
23030	-0.002	0.016	0.115	-0.049	KDM4B
23031	0.000	0.120	0.312	-0.192	MAST3
23032	-0.079	-0.089	-0.116	-0.129	USP33
23033	-0.024	0.079	-0.007	0.054	DOPEY1
23034	0.017	-0.533	-0.548	0.024	SAMD4A
23035	-0.046	-0.802	-0.883	0.035	PHLPP2
23036	-0.326	-0.566	-0.633	-0.259	ZNF292
23037	1.443	-0.912	0.687	-0.157	PDZD2
23038	-0.004	0.293	0.083	0.174	WDTC1
23039	-0.249	-0.187	0.230	-0.665	XPO7
2304	0.000	0.130	0.116	0.014	FOXE1
23040	0.000	0.000	0.003	-0.003	MYT1L
23041	-0.114	0.137	0.094	-0.072	MON2
23042	-0.071	-0.139	-0.148	-0.062	PDXDC1
23043	-0.065	0.450	1.678	-0.732	TNIK
23046	-0.105	-0.047	-0.263	0.111	KIF21B
23047	0.015	-0.026	0.008	-0.019	PDS5B
23048	-0.447	-1.628	-1.492	-0.583	FNBP1
23049	-0.152	-1.071	-1.014	-0.209	SMG1
2305	0.000	0.023	0.087	-0.065	FOXM1
23051	0.012	0.095	0.201	-0.095	ZHX3
23052	-0.214	2.314	1.860	0.240	ENDOD1
23053	-0.165	0.184	-0.096	0.115	KIAA0913
23054	-0.486	0.388	0.133	-0.231	NCOA6

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23057	-0.108	0.039	-0.108	0.039	NMNAT2
23059	-0.277	1.099	0.964	-0.142	CLUAP1
2306	0.000	0.027	0.061	-0.035	FOXD2
23060	-0.252	0.026	-0.266	0.043	ZNF609
23061	-0.083	0.226	0.252	-0.070	TBC1D9B
23062	-0.059	-0.261	-0.223	0.000	GGA2
23063	-0.017	-0.877	-0.642	0.006	WAPAL
23064	0.143	-0.902	-0.638	-0.121	SETX
23065	-0.099	0.090	0.216	-0.315	EMC1
23066	0.209	-0.237	-0.035	0.007	CAND2
23067	-0.278	0.266	0.054	-0.066	SETD1B
23070	-0.513	0.866	0.420	-0.066	FTSJD2
23071	0.094	-0.535	-0.214	-0.227	ERP44
23072	-0.010	0.005	0.044	-0.049	HECW1
23074	0.200	-0.978	-0.962	0.184	UHRF1BP1L
23075	-0.334	-1.467	-1.412	-0.255	SWAP70
23076	-0.093	0.002	-0.121	0.030	RRP1B
23077	-0.309	1.579	1.308	-0.038	MYCBP2
23078	-0.526	1.505	1.158	-0.179	VWA8
2308	0.094	-1.762	-1.993	0.325	FOXO1
23080	-0.022	-0.463	-0.891	-0.118	AVL9
23081	-0.050	0.068	-0.004	0.023	KDM4C
23082	0.161	-2.554	-2.706	0.313	PPRC1
23085	-0.077	-0.739	-0.367	-0.450	ERC1
23086	0.057	-2.697	-2.132	-0.363	EXPH5
23089	0.490	0.871	1.967	-0.606	PEG10
2309	0.273	-2.458	-1.845	-0.340	FOXO3
23090	0.106	1.840	0.860	1.086	ZNF423
23091	-0.186	-0.274	-0.431	-0.029	ZC3H13
23092	-0.010	-0.333	-0.030	-0.183	ARHGAP26
23093	-0.003	0.000	0.080	-0.080	TTLL5
23094	-0.036	0.468	0.165	0.267	SIPA1L3
23095	0.147	-0.350	0.067	-0.270	KIF1B
23096	0.000	0.084	0.327	-0.243	IQSEC2
23097	0.000	0.324	0.812	-0.410	CDK19
23099	0.411	-3.974	-2.964	-0.469	ZBTB43
231	0.580	-0.626	-0.180	0.135	AKR1B1
23101	0.000	0.464	0.009	0.455	MCF2L2
23102	0.103	0.000	0.000	-0.008	TBC1D2B
23105	0.000	0.007	0.000	0.007	FSTL4
23107	-0.338	1.395	1.139	-0.082	MRPS27
23108	-0.077	1.491	1.771	-0.357	RAP1GAP2
23109	0.000	0.217	0.039	0.177	DDN
23111	0.117	-1.394	-1.211	-0.066	SPG20
23112	0.022	0.686	0.295	0.413	TNRC6B

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23113	-0.059	0.388	0.535	-0.206	CUL9
23114	0.255	-0.447	-0.199	0.007	NFASC
23116	-0.033	-0.469	-0.298	-0.203	FAM179B
23117	-0.054	0.067	0.141	-0.128	NPIPL3
23118	0.013	-2.085	-1.794	-0.278	TAB2
23119	0.302	-1.100	-0.826	0.000	HIC2
2312	0.021	-0.021	0.000	0.000	FLG
23120	-0.001	0.234	0.080	0.154	ATP10B
23122	-0.638	0.743	0.416	-0.252	CLASP2
23125	-0.184	0.030	0.028	-0.182	CAMTA2
23126	0.009	-0.378	0.071	-0.440	POGZ
23127	0.041	-0.114	-0.029	-0.044	GLT25D2
23129	0.018	0.164	0.051	0.131	PLXND1
2313	0.026	-0.345	-0.284	-0.035	FLI1
23130	0.594	-1.733	-1.408	0.269	ATG2A
23131	-0.365	-0.536	-0.835	-0.066	GPATCH8
23132	-0.496	-0.306	-0.987	0.185	RAD54L2
23133	-0.132	-0.105	-0.239	0.003	PHF8
23135	-0.107	-2.954	-3.252	0.342	KDM6B
23136	-0.309	-1.058	-1.494	0.270	EPB41L3
23137	0.283	-1.296	-0.411	-0.602	SMC5
23138	-0.018	-0.022	-0.047	0.007	N4BP3
23139	0.055	0.125	0.014	0.194	MAST2
2314	-0.319	0.051	-0.278	0.007	FLII
23140	0.034	-0.100	-0.017	-0.034	ZZEF1
23141	-0.362	-0.795	-1.132	0.004	ANKLE2
23142	0.164	-1.059	-1.130	0.148	DCUN1D4
23143	-0.019	-0.290	-0.202	-0.108	LRCH1
23144	-0.462	-0.172	-0.965	0.331	ZC3H3
23148	-0.058	0.005	-0.054	0.001	NACAD
23149	0.044	-0.060	0.007	-0.023	FCHO1
2315	0.005	0.050	0.094	-0.039	MLANA
23150	0.040	0.000	0.016	-0.017	FRMD4B
23151	-0.408	0.576	0.211	-0.043	GRAMD4
23152	0.004	0.283	-0.060	0.348	CIC
23154	0.049	0.129	0.051	0.127	NCDN
23155	-0.199	0.148	0.402	-0.453	CLCC1
23157	0.040	0.197	0.144	0.093	6-Sep
23158	-0.035	-1.949	-1.623	-0.361	TBC1D9
2316	-0.045	1.110	0.186	0.594	FLNA
23160	0.273	-1.792	-1.503	-0.017	WDR43
23161	0.000	-0.502	-0.331	-0.172	SNX13
23162	0.000	0.086	0.055	-0.015	MAPK8IP3
23163	0.103	-0.496	-0.403	0.010	GGA3
23164	-0.112	-0.425	-0.859	0.238	MPRIP

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
23165	-0.162	-0.200	-0.345	-0.017	NUP205
23166	-0.007	0.019	0.042	-0.030	STAB1
23167	-0.564	1.267	0.552	0.151	EFR3A
23168	-0.329	0.173	-0.213	0.058	RTF1
23169	-0.069	1.081	0.528	-0.014	SLC35D1
2317	-0.108	0.852	-0.013	0.757	FLNB
23170	-0.227	0.215	-0.120	0.109	TTLL12
23171	-0.805	3.429	2.768	-0.144	GPD1L
23172	0.137	-1.137	-0.377	-0.622	FAM175B
23173	0.143	-0.096	0.367	-0.320	METAP1
23174	0.000	-0.138	-0.028	0.000	ZCCHC14
23175	0.202	-3.593	-2.889	0.066	LPIN1
23176	-0.235	0.964	0.454	0.275	8-Sep
23177	-0.136	0.463	0.358	0.136	CEP68
23178	0.009	0.000	0.000	-0.003	PASK
23179	1.809	-1.629	1.661	-1.481	RGL1
2318	-0.088	0.060	-0.056	0.028	FLNC
23180	0.964	-1.771	-1.122	0.315	RFTN1
23181	-0.373	0.085	-0.172	-0.116	DIP2A
23185	0.045	-1.645	-0.284	-0.407	LARP4B
23186	0.123	-0.868	-0.617	-0.128	RCOR1
23187	0.000	0.000	0.019	0.000	PHLDB1
23189	0.005	-0.005	0.051	-0.020	KANK1
2319	-0.152	0.752	0.635	-0.035	FLOT2
23190	-0.360	-0.286	0.165	-0.203	UBXN4
23191	-0.372	0.962	0.745	-0.156	CYFIP1
23192	0.072	-1.047	-1.527	0.334	ATG4B
23193	-0.491	1.236	0.730	0.015	GANAB
23194	-0.007	-0.180	-0.285	0.099	FBXL7
23195	-0.064	0.008	0.030	-0.085	MDN1
23196	-0.243	0.454	0.477	0.030	FAM120A
23197	-0.163	-0.364	-0.263	-0.263	FAF2
23198	0.029	-0.844	-0.963	-0.369	PSME4
23199	-0.453	-0.378	-0.212	-0.619	KIAA0182
23200	0.301	0.619	1.207	-0.287	ATP11B
23201	0.134	1.441	1.769	-0.194	FAM168A
23203	0.237	-0.562	-0.127	-0.198	PMPCA
23204	-0.004	-1.855	-1.728	-0.131	ARL6IP1
23205	0.000	0.085	0.000	0.085	ACSBG1
23207	0.194	-1.879	-1.808	0.123	PLEKHM2
23208	-0.038	-0.225	-0.304	0.040	SYT11
23209	0.003	-0.003	0.001	-0.001	MLC1
2321	0.000	-0.333	-0.977	0.001	FLT1
23210	0.408	-4.523	-3.089	-0.070	JMJD6
23211	0.353	-0.518	0.351	-0.515	ZC3H4

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
23212	0.067	-1.839	-1.976	0.203	RRS1
23213	-0.067	1.032	1.035	0.037	SULF1
23214	-0.219	-0.672	-0.928	0.038	XPO6
23215	-0.228	-0.550	-0.248	-0.524	PRRC2C
23216	0.126	-0.148	0.235	-0.257	TBC1D1
23217	0.067	-0.067	0.000	0.000	ZFR2
23218	0.019	0.433	0.485	-0.033	NBEAL2
23219	0.209	-1.402	-0.928	-0.265	FBXO28
2322	0.000	0.000	0.031	-0.031	FLT3
23220	-0.412	1.178	1.018	-0.252	DTX4
23221	0.041	0.058	-0.010	0.108	RHOBTB2
23223	-0.241	-1.588	-2.104	0.183	RRP12
23224	-0.071	-1.108	-0.644	-0.535	SYNE2
23225	-0.111	0.002	-0.044	-0.037	NUP210
23228	-0.008	0.076	0.193	-0.066	PLCL2
23229	-0.008	1.255	1.920	-0.674	ARHGEF9
2323	0.039	-0.043	0.020	-0.024	FLT3LG
23230	0.001	0.299	0.281	0.182	VPS13A
23231	-0.210	2.148	2.006	-0.067	SEL1L3
23232	0.253	-0.427	0.200	-0.374	TBC1D12
23233	0.000	0.057	0.011	0.046	EXOC6B
23234	0.237	-0.066	0.040	0.132	DNAJC9
23235	0.093	0.240	0.321	0.012	SIK2
23236	0.036	0.107	0.153	-0.093	PLCB1
23237	-0.006	-2.297	-2.387	0.083	ARC
23239	0.279	-1.087	-0.473	-0.336	PHLPP1
2324	-0.231	-0.168	-0.399	0.000	FLT4
23240	-0.374	1.319	0.601	0.345	KIAA0922
23241	-0.144	0.302	0.011	0.147	PACS2
23242	-0.198	-1.426	-1.187	-0.437	COBL
23243	0.350	-2.253	-1.113	-0.790	ANKRD28
23244	-0.045	-0.863	-0.597	0.047	PDS5A
23245	-0.291	-0.006	-0.280	-0.017	ASTN2
23246	0.683	-1.117	-0.990	0.556	BOP1
23247	-0.311	0.122	-0.257	0.067	KIAA0556
23248	-0.372	0.997	0.752	-0.127	RPRD2
23250	0.037	0.050	0.219	-0.160	ATP11A
23251	0.000	0.000	0.077	-0.077	KIAA1024
23252	-0.365	-0.196	-0.442	-0.119	OTUD3
23253	-0.117	-1.327	-0.462	-0.599	ANKRD12
23254	0.098	0.056	0.104	-0.070	KAZN
23255	0.190	-1.374	-1.160	-0.024	SOGA2
23256	-0.063	0.534	0.400	0.071	SCFD1
23258	0.238	-2.769	-2.919	0.388	DENND5A
23259	-0.160	1.021	0.433	0.428	DDHD2

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
2326	-0.024	-0.013	-0.051	0.014	FMO1
23261	0.386	-3.578	-3.059	-0.133	CAMTA1
23262	-1.004	2.452	1.194	0.254	PPIP5K2
23263	-0.013	0.184	0.204	-0.024	MCF2L
23264	-0.008	0.006	0.000	0.012	ZC3H7B
23265	-0.303	0.224	0.022	0.035	EXOC7
23266	0.341	2.876	3.796	-0.580	LPHN2
23268	-0.524	0.115	-0.195	-0.214	DNMBP
23269	0.053	0.223	0.264	0.012	MGA
2327	0.255	1.727	2.840	-0.857	FMO2
23270	0.214	-0.268	0.154	-0.209	TSPYL4
23271	-0.146	-0.361	-0.458	-0.049	CAMSAP2
23272	-0.420	0.906	0.729	-0.244	FAM208A
23274	-0.171	0.330	0.151	0.008	CLEC16A
23275	0.000	0.027	-0.005	0.094	POFUT2
23276	0.171	-0.947	-0.862	0.086	KLHL18
23277	-0.307	-0.514	-1.306	0.485	KIAA0664
23279	-0.074	-1.352	-1.064	-0.210	NUP160
2328	0.000	0.035	0.070	-0.036	FMO3
23281	0.000	0.015	0.111	-0.096	MTUS2
23283	0.080	-0.061	0.508	-0.488	CSTF2T
23284	-0.017	0.032	0.878	-0.863	LPHN3
23285	0.000	0.254	0.079	0.175	KIAA1107
23286	-0.769	0.509	-0.342	0.082	WWC1
23287	-0.115	0.051	0.210	-0.273	AGTPBP1
23288	-0.166	0.654	0.492	-0.004	IQCE
2329	0.039	0.371	0.324	0.086	FMO4
23291	-0.139	-0.847	-0.955	-0.031	FBXW11
23293	-0.030	0.048	0.046	-0.029	SMG6
23294	-0.305	-0.107	0.082	-0.494	ANKS1A
23295	-0.393	-0.390	-0.979	0.196	MGRN1
23299	0.446	0.266	0.767	-0.156	BICD2
2330	-0.249	0.311	-0.280	0.341	FMO5
23300	0.078	0.369	0.501	-0.054	ATMIN
23301	-0.017	1.760	2.222	-0.478	EHBP1
23302	0.036	-0.061	-0.025	0.000	WSCD1
23303	-0.233	1.004	1.002	-0.231	KIF13B
23304	-0.311	-0.011	-0.050	-0.287	UBR2
23305	0.000	0.000	0.000	0.000	ACSL6
23306	-0.663	-0.198	-0.798	-0.062	TMEM194A
23307	-0.169	0.097	0.132	-0.167	FKBP15
23308	0.012	-0.010	-0.004	0.012	ICOSLG
23309	-0.840	-0.834	-1.503	-0.171	SIN3B
2331	0.595	-0.391	-0.707	0.911	FMOD
23310	-0.166	0.437	0.287	-0.015	NCAPD3

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
23312	-0.157	0.899	0.921	-0.179	DMXL2
23313	-0.594	0.825	-0.089	0.321	KIAA0930
23314	0.004	-0.024	-0.001	-0.020	SATB2
23315	-0.006	0.220	0.185	0.029	SLC9A8
23316	-0.004	0.000	-0.004	0.000	CUX2
23317	-0.415	1.351	1.046	-0.110	DNAJC13
23318	0.048	-0.287	-0.228	-0.011	ZCCHC11
2332	0.200	0.819	0.757	0.262	FMR1
23321	0.461	2.701	3.511	-0.236	TRIM2
23322	0.000	0.199	0.133	0.066	RPGRIP1L
23324	-0.875	3.640	3.195	-0.430	MAN2B2
23325	-0.320	0.867	0.508	-0.104	KIAA1033
23326	0.006	-0.125	0.000	0.000	USP22
23327	0.094	-1.791	-1.626	-0.070	NEDD4L
23328	0.491	-2.522	-1.530	-0.500	SASH1
23329	-0.723	0.000	-0.723	0.000	TBC1D30
23331	0.035	-0.058	-0.129	0.106	TTC28
23332	0.090	0.296	0.485	-0.099	CLASP1
23333	-0.198	0.045	-0.135	-0.017	DPY19L1
23334	-0.166	0.190	-0.051	0.075	SZT2
23335	-0.128	1.868	1.930	-0.190	WDR7
23336	-0.063	2.415	2.254	0.099	SYNM
23338	-0.153	0.495	0.581	-0.239	PHF15
23339	-0.609	0.131	-0.353	-0.125	VPS39
2334	0.000	0.072	0.002	0.102	AFF2
23341	-0.248	1.006	1.624	-0.865	DNAJC16
23344	0.031	0.774	0.461	0.344	ESYT1
23345	-0.074	-0.085	-0.108	-0.051	SYNE1
23347	0.021	-0.283	-0.297	-0.379	SMCHD1
23348	0.013	-0.863	-0.992	0.046	DOCK9
23349	0.000	0.000	0.005	-0.005	KIAA1045
2335	0.752	6.485	7.190	0.149	FN1
23350	-0.063	-0.819	-0.553	-0.184	U2SURP
23351	0.186	-1.492	-0.781	-0.525	KHNYN
23352	-0.072	-0.023	-0.076	-0.019	UBR4
23353	-0.029	-1.030	-1.295	-0.159	SUN1
23354	-0.003	0.001	0.043	-0.043	HAUS5
23355	-0.844	1.925	1.611	-0.531	VPS8
23357	0.109	0.148	0.446	-0.189	ANGEL1
23358	-0.423	0.446	0.310	-0.286	USP24
23359	-0.001	0.004	-0.001	0.004	FAM189A1
23360	-0.183	-2.355	-2.417	-0.121	FNBP4
23361	-0.245	-0.175	-0.509	0.089	ZNF629
23362	-0.226	0.914	0.865	-0.077	PSD3
23363	-0.082	0.799	0.620	0.133	OBSL1

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
23365	-0.268	-0.173	-0.378	-0.004	ARHGEF12
23366	0.219	-2.538	-2.037	-0.283	KIAA0895
23367	-0.280	0.297	-0.060	0.136	LARP1
23368	-0.198	-0.637	-0.353	-0.482	PPP1R13B
23369	-0.024	-0.003	0.055	-0.082	PUM2
23370	-0.704	0.977	0.219	0.054	ARHGEF18
23371	0.256	0.705	0.783	0.177	TENC1
23373	0.034	0.071	0.090	0.015	CRTC1
23376	0.230	0.217	0.849	-0.402	UFL1
23378	0.017	-1.212	-0.939	-0.257	RRP8
23379	0.044	-0.390	-0.301	-0.045	KIAA0947
23380	0.019	0.823	1.457	-0.615	SRGAP2
23381	-0.185	-0.313	-0.333	-0.166	SMG5
23382	-0.014	0.507	0.423	0.070	AHCYL2
23383	0.000	-0.112	-0.111	0.012	MAU2
23384	0.040	-0.052	0.050	-0.062	SPECC1L
23385	-0.265	1.948	1.528	0.155	NCSTN
23386	-0.137	0.413	0.278	-0.002	NUDCD3
23387	0.040	-2.882	-2.626	-0.144	SIK3
23389	-0.187	-0.752	-0.501	-0.391	MED13L
2339	-0.002	-0.716	-0.671	-0.048	FNTA
23390	0.002	0.006	-0.008	0.000	ZDHHC17
23392	-0.234	-0.240	-0.378	0.013	KIAA0368
23394	0.114	-0.577	-0.203	-0.259	ADNP
23395	-0.063	0.405	0.690	-0.347	LARS2
23396	0.010	0.372	0.495	-0.113	PIP5K1C
23397	0.001	0.010	0.284	-0.273	NCAPH
23398	-0.126	0.212	0.137	-0.051	PPWD1
23399	0.031	-0.183	0.010	-0.163	CTDNBP1
23400	0.126	1.523	1.569	0.080	ATP13A2
23401	0.171	-0.152	0.377	-0.357	FRAT2
23403	0.001	-0.987	-0.960	-0.025	FBXO46
23404	-0.006	-0.556	-0.523	-0.002	EXOSC2
23405	-0.275	0.172	0.357	-0.095	DICER1
23408	-0.012	0.147	0.097	-0.081	SIRT5
23409	-0.030	0.128	0.180	-0.082	SIRT4
23410	-0.002	0.449	0.324	0.124	SIRT3
23411	-0.088	-2.982	-2.742	-0.327	SIRT1
23412	-0.703	2.457	1.712	0.042	COMMD3
23413	0.111	-0.146	0.081	-0.117	NCS1
23414	0.258	-0.993	-0.735	-0.001	ZFPM2
23415	0.000	0.017	0.000	0.017	KCNH4
23417	-0.227	0.152	0.233	-0.308	MLYCD
23418	0.000	0.200	0.001	0.199	CRB1
2342	0.015	-0.170	-0.136	-0.019	FNTB

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
23421	-0.714	2.811	1.866	0.230	ITGB3BP
23423	-0.302	1.984	1.256	0.425	TMED3
23424	-0.042	-0.573	-0.349	-0.266	TDRD7
23426	0.000	0.000	0.000	0.000	GRIP1
23428	0.120	-0.712	-0.760	0.022	SLC7A8
23429	0.387	-2.648	-1.682	-0.365	RYBP
23430	0.001	0.002	0.001	0.002	TPSD1
23431	-0.042	-0.011	-0.053	0.000	AP4E1
23432	-0.100	-0.012	0.011	-0.019	GPR161
23433	0.308	-1.060	-0.719	-0.168	RHOQ
23434	0.061	-0.030	0.000	0.032	C3orf27
23435	0.038	-0.054	-0.222	0.205	TARDBP
23436	0.000	0.000	0.053	-0.053	CELA3B
23438	-0.335	0.865	0.918	-0.388	HARS2
23439	-0.028	0.000	-0.028	0.000	ATP1B4
23443	-0.423	1.098	1.310	-0.634	SLC35A3
23446	0.000	0.159	0.267	-0.108	SLC44A1
23450	0.038	-0.197	-0.295	0.136	SF3B3
23451	-0.261	0.228	0.140	-0.096	SF3B1
23452	0.508	-1.427	-0.741	0.000	ANGPTL2
23457	0.147	-0.162	0.121	-0.136	ABCB9
2346	0.077	0.636	0.750	-0.027	FOLH1
23460	-0.005	0.073	0.233	-0.165	ABCA6
23461	-0.369	0.191	-0.030	-0.148	ABCA5
23462	0.859	-2.720	-1.606	-0.254	HEY1
23463	-0.134	1.777	2.054	-0.172	ICMT
23464	0.037	0.066	0.065	0.039	GCAT
23466	-0.159	0.186	0.145	-0.118	CBX6
23467	-0.001	0.392	0.630	-0.239	NPTXR
23468	-0.156	0.988	1.339	-0.507	CBX5
23469	-0.040	-0.340	-0.263	-0.292	PHF3
23471	0.061	-0.600	0.289	0.027	TRAM1
23473	-0.112	-0.477	-0.238	-0.351	CAPN7
23474	0.438	1.115	1.509	0.044	ETHE1
23475	0.040	0.026	0.000	0.065	QPRT
23476	0.296	-1.911	-1.290	-0.325	BRD4
23478	0.018	0.284	0.286	0.015	SEC11A
23479	-0.165	0.761	0.869	-0.274	ISCU
2348	0.857	0.298	1.368	-0.213	FOLR1
23480	0.148	-0.872	-0.831	0.107	SEC61G
23481	-0.094	-1.250	-0.728	-0.616	PES1
23483	-0.051	-0.252	-0.199	-0.104	TGDS
23484	0.051	1.087	0.920	0.218	LEPROTL1
23491	-0.102	1.301	0.239	0.960	CES3
23492	0.093	0.474	0.831	-0.265	CBX7

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
23493	-0.087	0.363	-0.029	0.305	HEY2
23495	-0.147	0.000	-0.139	-0.009	TNFRSF13B
23498	0.004	0.034	0.007	0.031	HAAO
23499	-0.296	1.109	0.892	0.021	MACF1
2350	-0.042	0.361	-0.042	0.360	FOLR2
23500	0.204	-0.193	-0.134	0.145	DAAM2
23503	-0.264	0.923	1.087	-0.427	ZFYVE26
23504	-0.004	0.046	-0.004	0.046	RIMBP2
23505	-0.426	0.591	0.283	-0.117	TMEM131
23506	0.115	0.486	0.785	-0.183	KIAA0240
23507	0.077	-0.037	0.132	-0.092	LRRC8B
23508	0.695	-0.523	0.579	-0.407	TTC9
23509	-0.047	0.113	0.237	-0.170	POFUT1
23510	0.001	0.006	-0.072	0.080	KCTD2
23511	-0.243	-0.163	-0.327	0.004	NUP188
23512	-0.272	0.370	0.132	-0.034	SUZ12
23513	-0.291	0.122	0.066	-0.235	SCRIB
23514	-0.069	-0.256	-0.485	0.160	KIAA0146
23515	0.249	-1.584	-1.451	0.116	MORC3
23516	0.416	-2.881	-2.625	0.159	SLC39A14
23517	-0.272	-0.047	0.122	-0.441	SKIV2L2
23518	-0.195	1.081	0.895	-0.009	R3HDM1
2352	0.054	-0.054	0.000	0.000	FOLR3
23520	0.000	0.048	0.000	0.048	ANP32C
23521	0.109	-0.411	-0.329	0.023	RPL13A
23522	0.025	-0.520	-0.046	-0.429	KAT6B
23523	0.023	0.578	0.493	0.109	CABIN1
23524	-0.442	-0.054	-0.522	0.045	SRRM2
23526	0.053	-0.411	-0.380	0.023	HMHA1
23527	-0.015	0.195	0.314	-0.133	ACAP2
23528	0.221	-1.615	-1.804	0.411	ZNF281
23529	-0.055	-2.359	-2.068	-0.345	CLCF1
2353	0.161	-5.656	-5.345	-0.151	FOS
23530	-0.027	0.621	0.697	-0.103	NNT
23531	-0.118	0.385	0.817	-0.550	MMD
23532	-0.002	0.000	-0.002	0.000	PRAME
23533	-0.065	0.094	0.029	0.000	PIK3R5
23534	-0.143	-0.050	0.024	-0.217	TNPO3
23536	-0.364	1.089	0.437	0.289	ADAT1
23538	0.000	0.097	0.006	0.091	OR52A1
23539	0.000	0.317	0.020	0.297	SLC16A8
2354	0.459	-7.879	-7.209	-0.211	FOSB
23541	0.041	1.856	1.731	0.166	SEC14L2
23542	-0.024	0.183	-0.020	0.179	MAPK8IP2
23543	0.153	0.232	0.173	0.101	RBFOX2

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
23544	0.000	0.110	0.006	0.066	SEZ6L
23545	0.000	-0.056	0.000	0.000	ATP6V0A2
23546	0.001	-0.001	0.000	0.000	SYNGR4
23547	-0.017	-0.001	-0.003	-0.014	LILRA4
23548	-0.002	-0.463	-0.621	0.156	TTC33
23549	-0.148	-0.119	-0.617	0.000	DNPEP
2355	0.252	-2.637	-2.384	-0.002	FOSL2
23550	-0.001	0.245	0.056	0.189	PSD4
23552	-0.097	0.040	-0.119	0.062	CDK20
23553	0.003	-0.003	0.002	-0.002	HYAL4
23554	0.445	2.639	3.096	-0.012	TSPAN12
23555	-0.074	-0.560	-0.444	-0.190	TSPAN15
23556	-0.432	1.652	0.881	0.340	PIGN
23558	-0.316	-1.202	-1.157	-0.362	WBP2
2356	-0.061	-0.116	-0.298	0.121	FPGS
23560	0.054	-2.317	-2.212	-0.051	GTPBP4
23562	-0.402	-0.352	-0.929	0.175	CLDN14
23563	-0.022	0.149	0.021	0.106	CHST5
23564	0.121	0.398	0.194	0.477	DDAH2
23566	0.001	0.130	0.018	0.113	LPAR3
23568	-0.043	0.205	0.255	-0.093	ARL2BP
23569	0.000	0.060	0.000	0.060	PADI4
2357	0.014	0.099	0.020	0.093	FPR1
23576	-0.585	-1.095	-1.339	-0.341	DDAH1
2358	-0.011	0.000	-0.011	0.000	FPR2
23580	0.174	-0.264	0.000	0.000	CDC42EP4
23583	-0.252	0.258	0.088	-0.082	SMUG1
23585	-0.088	1.404	1.750	-0.434	TMEM50A
23586	-0.277	0.979	0.379	0.323	DDX58
23587	0.313	0.807	-0.018	1.138	ELP5
23588	-0.139	1.322	1.145	0.039	KLHDC2
23589	0.269	-2.239	-1.487	-0.483	CARHSP1
2359	0.000	0.000	0.000	0.000	FPR3
23590	0.222	-0.458	-0.489	0.254	PDSS1
23591	0.001	-0.001	0.012	-0.012	FAM215A
23592	-0.094	-0.779	-0.656	-0.217	LEMD3
23593	0.270	0.211	0.470	0.011	HEBP2
23594	-0.013	-0.142	-0.128	-0.027	ORC6
23595	-0.152	1.434	1.600	-0.318	ORC3
23596	-0.471	0.848	0.238	0.139	OPN3
23597	-0.021	-0.003	-0.296	0.272	ACOT9
23598	-0.010	0.351	0.164	0.071	PATZ1
23600	0.000	0.199	0.013	0.000	AMACR
23601	0.000	0.068	0.088	-0.020	CLEC5A
23603	0.137	-3.481	-3.225	-0.118	CORO1C

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
23604	0.112	-0.332	-0.146	-0.074	DAPK2
23607	-0.038	0.011	-0.098	0.071	CD2AP
23608	0.091	-0.943	-0.641	-0.212	MKRN1
23609	0.388	-0.582	0.000	-0.194	MKRN2
23612	-0.004	0.372	0.054	0.314	PHLDA3
23613	0.064	0.122	0.520	-0.337	ZMYND8
23614	0.000	0.000	0.000	0.000	PPY2
23615	-0.009	0.001	0.043	-0.051	PYY2
23616	-0.013	0.051	-0.013	0.051	SH3BP1
23617	0.000	0.058	0.000	0.058	TSSK2
23619	-0.047	0.124	-0.061	0.138	ZIM2
23620	0.001	-0.001	0.000	0.000	NTSR2
23621	-0.056	2.752	2.475	0.221	BACE1
23623	-0.338	0.538	0.082	0.118	RUSC1
23624	0.200	-0.429	-0.387	0.158	CBLC
23625	-0.243	1.873	1.209	0.421	FAM89B
23626	0.000	0.000	0.000	0.000	SPO11
23627	-0.020	0.000	-0.020	0.000	PRND
23629	0.000	0.227	0.000	0.227	BRD7P3
23630	0.000	0.003	0.000	0.003	KCNE1L
23632	-0.006	0.000	-0.006	0.000	CA14
23633	0.002	-0.071	-0.242	-0.143	KPNA6
23635	0.523	-1.232	-0.475	-0.234	SSBP2
23636	-0.504	-0.483	-0.975	-0.012	NUP62
23637	-0.211	0.865	0.961	-0.290	RABGAP1
23639	-0.963	0.704	-0.574	0.314	LRRC6
23640	0.037	-0.525	-0.714	0.226	HSPBP1
23641	-0.459	1.748	1.432	-0.143	LDOC1
23643	0.713	-0.864	-0.137	-0.013	LY96
23644	-0.230	-0.486	-1.018	0.302	EDC4
23645	0.025	-6.959	-6.941	0.007	PPP1R15A
23646	-0.476	2.366	1.731	0.159	PLD3
23647	-0.113	-0.424	-0.850	0.313	ARFIP2
23648	-0.110	1.425	1.186	0.130	SSBP3
23649	-0.257	0.200	-0.403	0.345	POLA2
23650	-0.003	0.329	-0.003	0.484	TRIM29
23654	-0.539	0.859	0.160	0.159	PLXNB2
23657	0.473	-4.822	-4.401	-0.319	SLC7A11
23658	-0.188	1.040	0.690	0.009	LSM5
23659	-0.091	0.088	0.105	-0.108	PLA2G15
23660	-0.027	-0.894	-0.901	-0.020	ZKSCAN5
23670	0.333	-0.767	-0.514	0.081	TMEM2
23673	0.650	-1.491	-0.709	-0.132	STX12
23676	0.000	0.050	0.489	-0.439	SMPX
23677	-0.526	-0.325	-0.586	-0.264	SH3BP4

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
23682	0.499	-0.109	0.699	-0.309	RAB38
23683	0.093	-0.321	-0.318	0.091	PRKD3
23704	1.048	-1.866	-0.827	0.009	KCNE4
23705	-0.318	1.806	1.907	-0.119	CADM1
23708	0.241	0.642	1.076	-0.193	GSPT2
23710	0.318	-1.885	-1.341	-0.226	GABARAPL1
23729	-0.039	0.246	0.155	0.052	SHPK
23741	0.036	1.422	1.853	-0.460	EID1
23742	-0.030	-0.010	-0.040	0.000	NPAP1
23743	0.048	-0.079	-0.028	-0.003	BHMT2
23746	-0.001	0.340	0.011	0.328	AIPL1
23753	0.867	-2.056	-1.073	-0.116	SDF2L1
23759	-0.037	0.100	-0.034	0.121	PPIL2
23760	-0.080	-1.543	-1.362	-0.261	PITPNB
23761	0.094	-2.319	-2.047	-0.178	PISD
23762	0.001	0.107	0.096	0.012	OSBP2
23764	0.281	-3.628	-3.032	-0.315	MAFF
23765	0.145	-0.735	-0.604	0.015	IL17RA
23766	0.066	0.039	0.092	0.013	GABARAPL3
23767	-0.757	1.392	1.093	-0.458	FLRT3
23768	-0.219	3.032	3.740	-0.927	FLRT2
23769	0.016	0.314	0.004	0.325	FLRT1
23770	0.008	0.102	0.095	0.102	FKBP8
23774	-0.093	-1.582	-0.730	-0.945	BRD1
23780	-0.100	-0.529	-0.435	-0.194	APOL2
23786	-0.030	-0.382	-0.207	-0.205	BCL2L13
23787	0.291	-0.866	-0.621	0.046	MTCH1
23788	-0.354	1.285	0.753	0.178	MTCH2
238	-0.068	0.153	-0.106	0.192	ALK
239	0.011	-0.011	0.011	-0.011	ALOX12
2395	0.052	0.174	0.489	-0.263	FXN
24	-0.251	0.000	-0.252	0.001	ABCA4
240	-0.188	0.118	-0.148	0.006	ALOX5
241	0.641	1.094	1.201	0.534	ALOX5AP
24137	0.019	0.123	0.122	0.019	KIF4A
24138	-0.189	-0.734	-1.354	0.431	IFIT5
24139	-0.261	0.053	0.000	0.000	EML2
24140	-0.200	0.115	-0.005	-0.080	FTSJ1
24141	0.001	0.089	0.012	0.079	LAMP5
24142	0.000	0.094	0.000	0.094	NAT6
24144	0.286	-1.323	-1.050	0.013	TFIP11
24145	-0.055	-1.095	-1.142	-0.009	PANX1
24146	0.172	-0.248	-0.116	0.040	CLDN15
24147	0.155	-0.755	-0.704	0.104	FJX1
24148	-0.119	-0.821	-0.826	-0.113	PRPF6

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
24149	-0.042	0.737	0.725	-0.030	ZNF318
242	0.000	0.125	0.000	0.125	ALOX12B
2444	0.405	-0.918	-0.472	-0.042	FRK
245	-0.127	0.087	0.327	-0.367	ALOX12P2
245812	0.000	0.032	-0.047	0.079	CNPY4
246	0.017	0.111	0.000	0.128	ALOX15
246126	0.007	-0.007	0.000	0.000	TXLNG2P
246243	0.249	-0.881	-0.447	-0.186	RNASEH1
247	-0.080	-0.040	-0.041	-0.079	ALOX15B
2475	-0.026	0.064	0.021	0.016	MTOR
248	-0.001	0.017	-0.005	0.021	ALPI
2483	0.070	-0.529	-0.109	-0.350	FRG1
2487	0.055	1.324	0.719	0.659	FRZB
2488	0.002	0.237	0.000	0.239	FSHB
249	-0.013	-0.113	-0.056	-0.070	ALPL
2491	-0.048	0.023	0.024	-0.049	CENPI
2492	0.000	0.000	0.000	0.000	FSHR
2494	-0.003	0.000	-0.003	0.000	NR5A2
2495	0.045	-1.523	-1.309	-0.169	FTH1
25	0.527	-1.838	-1.217	-0.095	ABL1
250	0.000	0.000	0.000	0.000	ALPP
2509	-0.192	-0.971	-1.302	0.140	FTH1P5
251	0.008	0.023	0.063	-0.032	ALPPL2
2512	0.192	-2.490	-2.620	0.321	FTL
2515	0.054	0.120	0.000	0.173	ADAM2
2516	0.010	0.042	0.000	0.051	NR5A1
2517	-0.900	1.116	0.309	-0.092	FUCA1
2520	-0.189	0.000	-0.189	0.000	GAST
2521	0.037	-2.060	-2.077	-0.124	FUS
2523	0.052	0.311	0.571	-0.208	FUT1
2524	-0.069	0.043	0.847	-0.873	FUT2
2525	0.635	0.276	1.152	-0.241	FUT3
2526	0.392	-0.378	0.036	-0.022	FUT4
2527	-0.113	0.086	-0.152	0.125	FUT5
2528	0.287	-0.075	0.124	-0.021	FUT6
2529	0.040	0.147	0.008	0.179	FUT7
2530	-0.592	1.894	1.489	-0.187	FUT8
2531	0.053	0.100	0.104	0.049	KDSR
253143	-0.008	0.229	0.118	0.103	PRR14L
253190	-2.751	-0.098	-2.923	0.075	SERHL2
2532	0.191	-1.873	-1.765	0.082	DARC
2533	0.022	0.658	0.361	0.319	FYB
2534	1.130	-1.715	0.131	-0.237	FYN
253461	0.356	-1.437	0.059	-1.139	ZBTB38
2535	0.073	2.412	1.102	1.383	FZD2

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
2537	-0.078	1.595	1.476	0.041	IFI6
253782	-0.730	0.891	0.178	-0.016	CERS6
2538	-0.002	0.040	-0.023	0.061	G6PC
2539	-0.419	-1.185	-1.498	-0.106	G6PD
253943	0.248	-0.808	-0.928	0.368	YTHDF3
253959	-0.121	0.185	0.662	-0.407	RALGAPA1
253980	-0.214	0.106	-0.116	0.008	KCTD13
253982	-0.069	-0.121	-0.190	0.000	ASPHD1
254102	0.177	-0.212	-0.028	-0.007	EHBP1L1
2542	0.005	0.201	0.551	-0.345	SLC37A4
2543	0.009	-0.009	0.000	0.000	GAGE1
254394	-0.392	-0.097	-0.221	-0.268	MCM9
254531	0.000	0.222	0.169	-0.053	LPCAT4
2547	-0.114	-0.317	-0.307	-0.124	XRCC6
2548	-0.018	0.567	0.348	0.201	GAA
254896	0.094	0.058	0.093	0.059	LOC254896
2549	-0.220	-0.248	-0.654	0.185	GAB1
2550	-0.134	0.004	-0.451	0.321	GABBR1
255057	0.111	-0.108	-0.001	0.004	C19orf26
2551	-0.168	-0.488	-0.656	0.000	GABPA
2553	0.363	-3.186	-2.646	-0.177	GABPB1
2554	0.000	0.000	0.029	-0.029	GABRA1
2555	0.021	-0.010	0.207	-0.196	GABRA2
2556	0.000	0.000	0.014	-0.014	GABRA3
2557	0.000	0.000	0.000	0.000	GABRA4
2558	0.000	0.000	0.000	0.000	GABRA5
255812	-0.274	0.167	-0.040	-0.067	SDHAP1
2559	0.002	-0.002	0.004	-0.004	GABRA6
255926	-0.001	0.000	-0.001	0.000	ADAM5
2560	0.000	0.319	0.473	-0.154	GABRB1
256051	0.093	-0.093	0.019	-0.019	ZNF549
2561	0.000	0.163	0.004	0.158	GABRB2
2562	0.000	0.000	0.013	-0.013	GABRB3
256227	-0.021	0.311	0.001	0.289	STEAP1B
2563	0.000	0.000	0.007	-0.007	GABRD
256364	-0.180	0.312	0.061	0.004	EML3
2564	0.125	1.933	2.112	-0.055	GABRE
2566	0.008	-0.008	0.002	-0.002	GABRG2
2567	0.000	0.000	0.000	0.000	GABRG3
2568	-0.211	3.383	3.197	-0.024	GABRP
2569	0.000	0.000	0.000	0.000	GABRR1
256949	-0.298	-0.278	-0.427	-0.149	KANK3
256987	-0.086	1.036	1.274	-0.324	SERINC5
257	0.000	0.000	0.000	0.000	ALX3
2570	0.053	0.317	0.077	0.294	GABRR2

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
2571	-0.001	0.000	-0.001	0.000	GAD1
257152	0.010	0.089	0.077	0.023	LOC257152
2572	0.000	0.048	0.000	0.048	GAD2
257407	0.000	0.000	0.000	0.000	C2orf72
2575	0.000	0.000	0.000	0.000	GAGE3
25758	0.000	0.101	0.265	-0.164	KIAA1549L
25759	-0.551	-0.282	-0.968	0.135	SHC2
25763	0.000	0.000	0.000	0.000	CXorf27
25769	0.000	0.031	0.000	0.031	SLC24A2
25770	0.003	-0.003	0.064	-0.065	C22orf31
25771	-0.212	0.519	0.647	-0.323	TBC1D22A
25774	0.011	0.017	0.006	0.022	GSTTP1
25775	0.000	0.004	0.000	0.004	C22orf24
25776	-0.617	2.148	1.450	0.081	CBY1
25777	-0.019	0.810	0.596	0.195	SUN2
25778	0.094	0.030	0.000	-0.048	DSTYK
25780	0.164	-1.478	-1.619	0.306	RASGRP3
25782	-0.022	0.119	0.298	-0.225	RAB3GAP2
25786	-0.111	0.695	0.198	0.386	DGCR11
25787	0.038	0.216	-0.003	0.257	DGCR9
25788	-0.007	0.176	0.145	0.023	RAD54B
25789	0.000	0.000	0.002	-0.002	TMEM59L
25790	0.034	0.034	0.026	0.041	CCDC19
25792	-0.123	0.035	0.092	-0.348	CIZ1
25793	0.074	-0.618	-0.565	0.021	FBXO7
25794	0.000	0.000	0.001	-0.001	FSCN2
25796	-0.297	2.372	1.454	0.621	PGLS
25797	-0.162	3.805	3.306	0.337	QPCT
25799	0.125	-1.425	-1.340	0.041	ZNF324
258	0.000	0.000	0.000	0.000	AMBN
2580	-0.402	-0.258	-0.759	0.099	GAK
25800	-0.530	0.660	0.065	0.064	SLC39A6
25801	-0.441	0.454	0.831	-0.818	GCA
25802	0.002	0.025	-0.095	0.121	LMOD1
25803	-0.098	0.005	-0.095	0.017	SPDEF
25804	-0.228	1.796	0.817	0.164	LSM4
25805	-0.130	-0.096	-0.409	0.184	BAMBI
25806	-0.001	0.005	0.000	0.005	VAX2
25807	-0.194	0.210	-0.129	0.145	RHBDD3
25809	-0.172	0.634	0.790	-0.328	TTLL1
2581	-0.200	1.330	1.270	-0.140	GALC
25813	-0.248	1.680	1.414	0.017	SAMM50
25814	-0.345	0.771	0.430	-0.004	ATXN10
25816	0.188	-2.595	-2.098	-0.309	TNFAIP8
25818	1.080	2.422	3.913	-0.411	KLK5

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
25819	0.233	-1.886	-1.972	0.318	CCRN4L
2582	0.000	0.958	1.133	-0.174	GALE
25820	0.433	-2.226	-1.548	-0.298	ARIH1
25821	-0.167	-0.505	-0.296	-0.376	MTO1
25822	0.309	-0.612	-0.332	0.030	DNAJB5
25823	0.018	0.102	0.021	0.099	TPSG1
25825	0.118	-0.253	-0.197	0.061	BACE2
25827	-0.253	1.975	2.084	-0.362	FBXL2
25828	-0.022	1.081	0.952	0.107	TXN2
25829	0.068	0.687	0.882	-0.127	TMEM184B
2583	0.007	-0.007	0.176	-0.176	B4GALNT1
25830	-0.042	0.089	-0.053	0.100	SULT4A1
25833	0.068	-0.067	-0.120	0.121	POU2F3
25834	0.021	-0.021	0.000	0.000	MGAT4C
25836	-0.001	-1.032	-0.755	-0.332	NIPBL
25837	0.016	0.223	0.197	0.042	RAB26
25839	-0.118	0.941	1.153	-0.331	COG4
2584	0.002	0.069	0.000	0.071	GALK1
25840	-0.049	0.356	0.927	-0.019	METTL7A
25841	0.950	-1.356	-0.450	0.045	ABTB2
25842	0.066	0.900	0.870	0.095	ASF1A
25843	0.094	-0.749	-0.575	-0.079	MOB4
25844	-0.048	1.297	1.035	0.213	YIPF3
25847	-0.250	0.880	0.468	0.161	ANAPC13
25849	-0.428	-1.699	-1.803	-0.324	PARM1
2585	-0.158	0.232	0.517	-0.443	GALK2
25850	0.038	-0.046	-0.004	-0.004	ZNF345
25852	0.108	-0.430	-0.553	-0.143	ARMC8
25854	-0.001	0.017	-0.002	0.000	FAM149A
25855	-0.281	0.004	-0.322	0.044	BRMS1
25859	0.000	0.019	0.091	0.019	PART1
25861	0.307	-0.515	-0.207	-0.001	DFNB31
25862	-0.206	0.061	-0.182	0.037	USP49
25864	0.054	1.108	1.375	-0.214	ABHD14A
25865	-0.209	-0.654	-0.660	-0.203	PRKD2
2587	0.000	0.000	0.000	0.000	GALR1
25873	0.317	-0.177	-0.250	0.390	RPL36
25874	-0.008	-0.447	-0.659	0.204	MPC2
25875	-0.036	0.248	0.454	-0.242	LETMD1
25876	-0.014	0.000	0.081	-0.095	SPEF1
25878	0.054	4.964	4.595	0.423	MXRA5
25879	-0.161	-0.146	-0.304	-0.004	DCAF13
2588	-0.275	0.090	-0.324	0.139	GALNS
25880	-0.059	-0.660	-0.567	-0.153	TMEM186
25888	0.353	-1.609	-1.573	0.317	ZNF473

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
2589	0.367	1.514	2.165	-0.154	GALNT1
25890	0.000	0.184	0.001	0.183	ABI3BP
25891	0.348	-0.260	0.129	-0.041	PAMR1
25893	-0.571	0.114	-0.571	0.114	TRIM58
25895	0.880	-0.995	-0.315	0.200	METTTL21B
25896	-0.005	-0.079	0.236	-0.320	INTS7
25897	0.498	-0.893	-0.559	0.164	RNF19A
25898	-0.037	-1.542	-1.374	-0.135	RCHY1
259	0.023	-0.023	0.000	0.000	AMBP
2590	-0.524	0.786	0.071	0.191	GALNT2
25900	0.014	0.003	-0.017	0.034	IFFO1
25901	0.325	-0.481	0.138	-0.294	CCDC28A
25903	0.275	1.470	1.377	0.368	OLFML2B
25906	-0.098	1.206	0.857	0.250	ANAPC15
25907	0.752	-1.671	-0.821	-0.098	TMEM158
25909	-0.298	-1.888	-1.386	-0.800	AHCTF1
2591	0.079	-0.129	0.005	-0.054	GALNT3
25913	-0.098	0.529	1.298	-0.868	POT1
25915	-0.318	1.003	0.792	-0.107	NDUFAF3
259173	-0.436	0.697	-0.304	0.565	ALS2CL
259197	0.000	0.000	0.000	0.000	NCR3
2592	0.257	1.139	1.390	0.007	GALT
25920	-0.021	-0.006	-0.049	0.022	COBRA1
259217	-0.152	-0.089	-0.381	0.140	HSPA12A
259230	0.245	-0.777	0.029	-0.560	SGMS1
25924	0.000	0.014	0.012	0.002	MYRIP
25926	-0.063	-1.354	-1.325	-0.092	NOL11
259266	-0.019	0.834	1.529	-0.714	ASPM
25928	0.229	8.154	8.869	-0.486	SOSTDC1
2593	-0.002	0.142	-0.013	0.152	GAMT
25932	0.262	-2.210	-1.819	-0.071	CLIC4
25936	-0.313	1.193	1.023	-0.143	NSL1
25937	0.539	-0.521	-0.495	0.224	WWTR1
25939	0.794	-0.519	0.278	-0.002	SAMHD1
25940	-0.241	1.064	0.657	0.166	FAM98A
25941	-0.256	2.929	2.159	0.263	TPGS2
25945	-0.075	-0.014	0.038	-0.127	PVRL3
25948	0.326	-1.891	-0.938	-0.628	KBTBD2
25949	0.043	-0.110	0.100	-0.167	SYF2
25950	-0.245	1.101	1.624	-0.767	RWDD3
25956	0.000	0.122	0.000	0.122	SEC31B
25957	0.303	0.414	1.121	-0.366	PNISR
25959	-0.042	0.811	1.009	-0.239	KANK2
2596	0.000	0.000	0.063	0.000	GAP43
25960	-0.030	0.229	-0.010	0.209	GPR124

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
25961	-0.005	0.265	0.346	-0.086	NUDT13
25963	-0.294	0.134	0.084	-0.244	TMEM87A
25966	-0.213	-0.308	-0.524	0.003	C2CD2
2597	0.077	0.145	0.071	0.158	GAPDH
25970	-0.002	0.085	0.086	-0.003	SH2B1
25972	0.105	0.353	0.302	0.156	UNC50
25974	0.000	0.043	0.161	-0.118	MMACHC
25975	0.000	0.000	0.000	0.000	EGFL6
25976	0.391	-3.690	-3.215	-0.084	TIPARP
25977	-0.133	-1.239	-0.827	-0.545	NECAP1
25978	0.007	-1.394	-1.115	-0.198	CHMP2B
25979	-0.628	0.823	0.447	-0.253	DHRS7B
25980	0.536	-1.954	-1.410	-0.008	AAR2
25983	0.242	-1.101	-1.066	0.207	NGDN
25984	0.165	0.151	0.472	-0.155	KRT23
25987	-0.559	0.565	0.060	-0.054	TSKU
25988	-0.427	-1.101	-1.405	-0.123	HINFP
25992	-0.035	0.316	0.400	-0.119	SNED1
25994	-0.457	0.819	0.346	0.016	HIGD1A
25996	0.015	1.591	1.497	0.110	REXO2
25998	-0.307	0.166	-0.161	0.020	IBTK
25999	-0.002	0.005	0.018	-0.015	CLIP3
26	0.000	0.239	0.004	0.235	ABP1
26000	0.025	-0.462	-0.343	-0.094	TBC1D10B
26001	-0.177	0.225	0.101	-0.053	RNF167
26002	-0.070	0.619	0.636	-0.087	MOXD1
26003	0.042	-0.927	-0.743	-0.019	GORASP2
26005	-0.539	0.782	0.303	-0.060	C2CD3
26007	-0.006	0.226	0.258	-0.038	DAK
26009	-0.149	-0.814	-0.762	-0.201	ZZZ3
26010	-0.008	0.050	0.130	-0.088	SPATS2L
26011	0.000	0.338	0.416	-0.078	ODZ4
26012	0.604	-1.235	-0.966	0.335	NELF
26013	-0.011	0.001	0.002	-0.001	L3MBTL1
26015	0.098	-0.117	0.078	-0.097	RPAP1
26017	-0.043	-0.345	-0.566	0.178	FAM32A
26018	0.515	-0.565	1.160	-1.210	LRIG1
26019	-0.514	-0.091	-0.548	-0.056	UPF2
26020	-0.488	1.235	0.851	-0.104	LRP10
26024	-0.415	-0.430	-0.486	-0.360	PTCD1
26027	-0.048	0.071	0.069	-0.046	ACOT11
260294	-0.435	0.829	0.118	0.277	NSUN5P2
26030	-0.311	0.292	-0.101	0.082	PLEKHG3
26031	-0.338	2.999	2.659	0.002	OSBPL3
26032	-0.002	0.000	0.280	-0.282	SUSD5

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
26033	-0.009	0.011	0.031	-0.030	ATRNL1
26034	0.027	-0.027	0.000	0.000	IPCEF1
26035	0.017	1.997	2.563	-0.549	GLCE
26036	-0.345	-0.039	-0.083	-0.301	ZNF451
26037	-0.252	0.463	0.482	-0.271	SIPA1L1
26038	-0.060	-0.002	-0.060	-0.003	CHD5
26039	-0.548	-0.288	-0.369	-0.467	SS18L1
26040	-0.003	0.472	0.219	0.250	SETBP1
26043	-0.151	-1.415	-0.759	-0.807	UBXN7
26045	0.018	-0.018	0.049	-0.049	LRRTM2
26046	0.046	-0.842	-0.699	-0.097	LTN1
26047	0.006	0.008	0.000	0.004	CNTNAP2
26048	0.000	0.317	0.191	0.063	ZNF500
26049	0.011	0.285	0.285	0.010	FAM169A
26050	0.000	0.000	0.000	0.000	SLITRK5
26051	0.839	-0.836	-0.008	0.011	PPP1R16B
26052	0.251	1.781	2.268	-0.236	DNM3
26053	-0.230	1.049	1.356	-0.537	AUTS2
26054	-0.216	-0.086	-0.317	0.016	SENP6
26056	-0.025	-1.845	-1.521	-0.349	RAB11FIP5
26057	-0.332	0.238	-0.159	0.065	ANKRD17
26058	-0.100	-0.015	-0.108	-0.007	GIGYF2
26059	0.000	0.004	0.000	0.004	ERC2
26060	-0.324	0.722	1.396	-0.998	APPL1
26063	-0.236	0.837	0.422	0.179	DECR2
26064	-0.376	-0.416	-1.160	0.368	RAI14
26065	-0.122	-0.315	-0.417	-0.129	LSM14A
26071	-0.162	0.575	0.536	-0.124	FAM127B
26073	0.075	0.217	0.315	-0.023	POLDIP2
26082	0.000	0.000	0.015	-0.015	DKFZP434L187
26083	-0.023	0.000	-0.021	-0.002	TBC1D29
26084	0.001	0.013	0.029	-0.016	ARHGEF26
26085	0.000	0.092	0.017	0.074	KLK13
26088	-0.219	0.181	-0.088	0.002	GGA1
26091	-0.189	0.134	-0.080	0.025	HERC4
26092	0.440	-2.760	-1.718	-0.602	TOR1AIP1
26093	-0.090	0.021	-0.230	0.162	CCDC9
26094	-0.014	0.119	-0.003	0.108	DCAF4
26097	0.274	-1.193	-1.153	-0.032	CHTOP
26098	0.030	-0.689	-0.818	-0.058	C10orf137
26099	0.333	-1.325	-0.826	-0.092	SZRD1
26100	0.177	-0.415	0.045	-0.108	WIPI2
26102	0.000	0.125	0.037	0.088	DKFZP434A062
26103	0.000	0.000	0.000	0.000	LRIT1
26105	0.000	0.000	0.000	0.000	DKFZP434C153

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
26108	0.008	-0.011	-0.002	-0.002	PYGO1
26112	0.210	-0.346	-0.198	0.063	CCDC69
26115	-0.597	0.173	0.048	-0.472	TANC2
26118	-0.061	-1.054	-0.930	-0.839	WSB1
26119	-0.164	0.431	0.054	0.214	LDLRAP1
26121	-0.272	0.022	0.000	-0.186	PRPF31
26123	-0.352	0.357	0.113	-0.107	TCTN3
26128	-0.002	0.876	1.152	-0.278	KIAA1279
26130	-0.383	-0.652	-0.338	-0.537	GAPVD1
26133	0.070	-0.333	-0.420	0.158	TRPC4AP
26135	0.047	-0.125	-0.309	0.061	SERBP1
26136	0.078	-1.453	-1.333	-0.042	TES
26137	-0.056	2.075	1.672	0.346	ZBTB20
26138	0.000	0.047	0.000	0.046	LINC00588
26140	-0.003	0.029	0.072	-0.045	TTLL3
26145	-0.015	0.030	-0.009	0.024	IRF2BP1
26146	-0.097	0.012	-0.097	0.012	TRAF3IP1
26148	0.002	0.143	0.009	0.136	C10orf12
2615	0.399	-2.316	-1.883	-0.034	LRRC32
26150	0.000	0.000	0.000	0.000	RIBC2
26151	-0.389	-0.437	-0.649	-0.177	NAT9
26152	-0.083	0.459	0.353	0.023	ZNF337
26154	-0.179	0.158	-0.122	0.101	ABCA12
26155	-0.442	-0.661	-1.102	-0.002	NOC2L
26156	-0.072	-1.923	-2.122	0.049	RSL1D1
26168	-0.368	-0.597	-0.492	-0.048	SEN3
2617	0.010	-1.633	-1.828	0.205	GARS
261726	-0.099	0.471	0.481	-0.110	TIPRL
26173	-0.104	0.139	-0.133	0.168	INTS1
261734	0.016	-0.150	-0.044	-0.090	NPHP4
26175	-0.131	0.354	0.367	-0.143	TMEM251
2618	0.155	-0.795	-0.252	-0.148	GART
26184	0.000	0.000	0.026	-0.026	OR1F2P
26189	0.000	0.082	0.091	-0.009	OR1A2
2619	0.176	0.994	0.609	0.562	GAS1
26190	-0.565	0.526	0.239	-0.279	FBXW2
26191	0.213	-0.260	-0.048	0.034	PTPN22
262	0.050	-1.511	-1.662	0.201	AMD1
2620	-0.003	0.040	0.086	-0.050	GAS2
26205	0.106	-1.394	-1.216	-0.073	GMEB2
26206	0.019	0.048	0.068	0.000	SPAG8
26207	0.536	-2.064	-0.554	-0.974	PITPNC1
2621	0.143	2.623	1.107	1.658	GAS6
26211	0.000	0.000	0.033	-0.033	OR2F1
26212	0.000	0.000	0.103	-0.103	OR2B6

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
2622	-0.131	0.581	0.443	0.007	GAS8
26225	-0.096	0.447	0.175	0.176	ARL5A
26226	-0.218	-0.003	-0.220	-0.001	FBXW4P1
26227	0.058	1.449	0.742	0.765	PHGDH
26228	0.000	0.104	0.000	0.104	STAP1
26229	0.089	0.294	0.063	0.319	B3GAT3
2623	0.071	-0.071	0.000	0.000	GATA1
26230	0.000	0.000	0.017	-0.017	TIAM2
26232	0.636	0.882	0.603	0.915	FBXO2
26233	-0.185	0.051	-0.240	0.106	FBXL6
26234	-0.005	1.134	1.066	0.063	FBXL5
26235	0.128	0.294	0.476	-0.054	FBXL4
26238	0.000	0.341	0.000	0.341	C6orf123
26239	0.037	-0.044	-0.007	0.000	LCE2B
2624	0.000	-0.294	0.000	-0.034	GATA2
26240	-0.181	0.003	0.010	-0.188	FAM50B
26249	0.051	0.107	0.403	-0.245	KLHL3
2625	-0.226	0.171	0.276	-0.257	GATA3
26251	0.000	0.000	0.000	0.000	KCNG2
26253	-0.092	-0.002	-0.095	0.001	CLEC4E
26255	0.031	-0.077	-0.050	0.003	PTTG3P
26256	-0.010	0.287	0.289	-0.013	CABYR
26257	-0.073	0.000	-0.073	0.000	NKX2-8
2626	0.000	0.226	0.000	0.226	GATA4
26261	0.000	0.000	0.001	-0.001	FBXO24
26263	-0.059	0.066	-0.012	0.019	FBXO22
26266	0.000	0.000	0.046	-0.046	SLC13A4
26268	-0.574	1.775	1.654	-0.239	FBXO9
2627	1.122	-3.342	-2.922	0.702	GATA6
26271	0.565	-1.514	-0.738	-0.212	FBXO5
26272	0.000	0.127	0.000	0.127	FBXO4
26273	0.222	0.298	0.557	-0.038	FBXO3
26275	-0.197	1.756	1.734	-0.175	HIBCH
26276	-0.159	0.440	0.526	-0.246	VPS33B
26277	0.041	-0.332	-0.341	0.050	TINF2
26278	0.418	-0.451	0.149	-0.182	SACS
26279	0.000	0.027	0.010	0.017	PLA2G2D
2628	-0.302	0.719	0.468	-0.051	GATM
26280	0.021	-0.019	0.030	-0.028	IL1RAPL2
26281	0.058	-0.058	0.000	0.000	FGF20
26284	0.175	0.024	0.476	-0.277	ERAL1
26285	-0.309	0.018	-0.296	0.005	CLDN17
26286	0.051	-0.528	-0.418	-0.060	ARFGAP3
26287	0.019	0.078	-0.024	0.121	ANKRD2
26289	-0.044	0.030	0.153	-0.168	AK5

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
26290	0.000	0.000	0.000	0.000	GALNT8
26291	0.000	0.275	0.000	0.275	FGF21
26292	-0.605	1.684	1.440	-0.299	MYCBP
26297	-0.088	0.539	0.345	0.106	SERGEF
26298	0.540	-0.600	0.599	-0.659	EHF
2630	-0.224	2.443	1.838	0.381	GBAP1
2631	-0.127	1.056	1.042	-0.112	GBAS
2632	0.392	-2.114	-1.493	-0.229	GBE1
2633	1.072	-3.620	-2.631	0.083	GBP1
26330	-0.016	0.108	-0.016	0.108	GAPDHS
26333	-0.015	0.003	-0.015	0.003	OR7A17
2634	0.375	-2.470	-1.686	-0.410	GBP2
26353	-1.326	-2.411	-3.946	0.210	HSPB8
26354	-0.129	-1.861	-1.886	-0.105	GNL3
26355	0.210	-0.302	0.033	-0.125	FAM162A
2636	0.004	-0.004	0.000	0.000	GBX1
2637	0.000	0.008	0.000	0.008	GBX2
2638	0.000	0.000	0.050	-0.050	GC
2639	0.157	-0.163	0.078	-0.084	GCDH
2641	0.002	0.149	0.000	0.151	GCG
2642	0.077	-0.077	0.000	0.000	GCGR
2643	0.558	-5.716	-4.357	-0.800	GCH1
2644	-0.240	2.156	1.384	0.531	GCHFR
2645	0.197	0.101	0.000	0.298	GCK
2646	0.036	-0.036	0.011	-0.011	GCKR
26468	-0.299	-0.743	-1.209	0.167	LHX6
26469	0.026	0.659	0.918	-0.233	PTPN18
2647	-0.220	3.609	2.931	0.458	BLOC1S1
26470	-0.449	1.419	1.750	-0.780	SEZ6L2
26471	-0.189	-1.287	-2.461	0.985	NUPR1
26472	0.012	1.232	0.992	0.252	PPP1R14B
26476	0.000	0.000	0.059	-0.059	OR10J1
2648	0.025	0.121	0.263	-0.116	KAT2A
2649	-0.016	0.000	-0.016	0.000	NR6A1
26499	0.093	2.785	2.455	0.422	PLEK2
265	0.000	0.000	0.024	-0.024	AMELX
2650	0.477	0.127	0.570	0.034	GCNT1
26502	0.233	-0.169	0.135	-0.070	NARF
26503	-0.033	1.488	1.961	-0.507	SLC17A5
26504	-0.284	-0.474	-1.125	0.367	CNNM4
26505	-0.192	0.240	0.245	-0.197	CNNM3
26507	0.000	0.010	0.124	-0.114	CNNM1
26508	0.001	-0.001	0.000	0.000	HEYL
26509	-1.148	1.958	0.534	-0.037	MYOF
2651	-0.607	-0.918	-1.183	-0.342	GCNT2

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
26511	0.585	-1.475	-0.886	-0.004	CHIC2
26512	-0.149	-1.292	-1.254	-0.187	INTS6
26515	0.076	-1.044	-0.950	-0.018	FXC1
26517	0.030	0.289	0.123	0.196	TIMM13
26519	0.028	-0.692	-0.518	-0.146	TIMM10
26520	0.115	-0.294	-0.113	-0.067	TIMM9
26521	-0.329	1.699	0.965	0.405	TIMM8B
26523	-0.270	1.339	1.045	0.023	EIF2C1
26525	0.027	0.203	0.003	0.227	IL36RN
26528	-0.185	-1.555	-1.478	-0.262	DAZAP1
26529	-0.047	0.037	-0.043	0.032	OR12D2
26531	0.000	0.028	0.004	0.023	OR11A1
26532	-0.002	0.012	0.040	-0.029	OR10H3
26538	0.000	0.000	0.000	0.000	OR10H2
26539	0.001	-0.001	0.000	0.000	OR10H1
26548	-0.015	0.487	-0.015	0.487	ITGB1BP2
26574	-0.105	-1.254	-1.663	0.304	AATF
26575	0.023	0.101	0.144	-0.020	RGS17
26576	-0.016	-0.050	0.037	-0.103	SRPK3
26577	-0.041	-0.176	-0.200	-0.018	PCOLCE2
26578	0.104	0.592	0.923	-0.227	OSTF1
2658	0.007	-0.007	0.000	0.000	GDF2
26580	-0.439	2.191	1.911	-0.158	BSCL2
26583	0.000	0.000	0.000	0.000	DUX2
26584	0.004	-0.025	0.006	-0.027	DUX1
26585	0.453	-0.398	0.371	-0.316	GREM1
26586	0.178	1.787	1.883	0.082	CKAP2
26589	0.720	-1.240	0.218	-0.738	MRPL46
266	-0.001	0.644	-0.001	0.644	AMELY
2660	0.005	-0.005	0.001	-0.001	MSTN
26608	-0.018	-0.171	-0.074	-0.115	TBL2
2661	-0.189	0.006	-0.190	0.007	GDF9
26610	-0.469	0.605	0.563	-0.427	ELP4
2662	0.000	0.000	0.000	0.000	GDF10
26628	-0.130	-0.012	-0.037	-0.106	OR7E47P
2664	0.170	-0.365	-0.440	0.245	GDI1
26648	0.000	0.008	0.221	-0.214	OR7E24
2665	0.071	-0.268	-0.140	-0.057	GDI2
26651	0.007	-0.007	0.000	0.000	OR7E19P
26658	0.000	0.000	0.001	-0.001	OR7C2
26659	-0.004	0.133	-0.004	0.133	OR7A5
266629	0.000	0.176	0.000	0.176	SEC14L3
26664	-0.015	0.571	-0.015	0.571	OR7C1
266655	-0.552	0.497	0.603	-0.658	LINC00094
2668	-0.011	0.000	-0.011	0.000	GDNF

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
2669	0.419	-7.603	-6.948	-0.236	GEM
26692	0.000	0.100	0.000	0.100	OR2W1
266977	0.027	-0.027	0.106	-0.106	GPR110
267	-0.267	-0.097	-0.526	0.162	AMFR
2670	0.002	-0.002	0.000	0.000	GFAP
26707	-0.001	0.051	-0.001	0.051	OR2J2
2671	0.015	0.285	0.591	-0.290	GFER
26716	0.046	-0.040	0.000	0.007	OR2H1
2672	0.085	0.185	0.160	0.110	GFI1
2673	0.101	-1.106	-0.834	-0.171	GFPT1
2674	0.028	0.705	1.320	-0.586	GFRA1
26747	0.042	-1.586	-1.218	-0.136	NUFIP1
2675	0.004	0.008	0.000	0.012	GFRA2
26750	0.027	0.171	0.745	-0.548	RPS6KC1
26751	-0.066	0.677	0.892	-0.281	SH3YL1
2676	0.000	0.048	0.000	0.048	GFRA3
26762	0.010	0.021	0.000	0.031	HAVCR1
2677	0.057	-0.186	-0.332	0.170	GGCX
2678	-0.004	0.540	0.391	0.133	GGT1
268	0.025	-0.012	0.004	0.010	AMH
2683	0.013	-1.347	-1.299	0.025	B4GALT1
2687	-0.344	-0.177	-0.516	-0.006	GGT5
26872	-0.153	-1.182	-1.087	-0.248	STEAP1
26873	0.079	-0.092	-0.035	0.022	OPLAH
2688	0.000	0.000	0.000	0.000	GH1
2689	0.000	0.007	0.000	0.007	GH2
269	0.000	0.000	0.000	0.000	AMHR2
2690	-0.121	0.077	-0.681	0.637	GHR
2691	0.000	0.120	0.000	0.120	GHRH
2692	0.001	-0.001	0.000	0.000	GHRHR
2693	0.001	-0.001	0.005	-0.005	GHSR
2694	-0.027	0.039	-0.028	0.040	GIF
2695	0.000	0.000	0.098	-0.098	GIP
26952	0.000	0.000	0.015	-0.015	SMR3A
26953	-0.327	0.158	0.256	-0.425	RANBP6
26959	0.373	-2.502	-2.099	-0.029	HBP1
2696	0.005	0.092	0.078	0.019	GIPR
26960	1.601	0.295	2.169	-0.273	NBEA
2697	0.668	0.662	0.639	0.691	GJA1
26973	0.429	-1.985	-1.299	-0.257	CHORDC1
26984	0.053	-0.177	-0.052	-0.072	SEC22A
26986	0.090	-0.114	-0.002	-0.022	PABPC1
26993	-0.072	-0.007	-0.068	-0.004	AKAP8L
26994	-0.144	-0.545	-0.847	0.158	RNF11
26998	0.000	0.000	0.000	0.000	FETUB

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
26999	-0.004	0.222	0.144	0.074	CYFIP2
27	0.408	-3.969	-3.485	-0.077	ABL2
270	0.021	-0.069	-0.047	0.000	AMPD1
2700	-0.008	0.035	-0.008	0.035	GJA3
27000	0.093	-1.517	-1.172	-0.252	DNAJC2
27004	0.000	0.006	-0.001	0.014	TCL6
27005	-0.022	0.066	0.005	0.038	USP21
27006	-0.012	0.030	-0.031	0.050	FGF22
2701	0.446	-0.889	-0.492	0.049	GJA4
27010	0.402	0.145	0.490	0.057	TPK1
27012	0.000	0.000	0.000	0.000	KCNV1
27013	-0.233	-0.079	-0.308	-0.005	CNPPD1
27018	0.418	1.667	1.819	0.267	NGFRAP1
27019	0.000	0.000	0.007	-0.007	DNAI1
2702	0.000	0.015	0.020	-0.005	GJA5
27020	0.051	0.636	0.648	0.039	NPTN
27022	0.000	0.000	0.000	0.000	FOXD3
27023	0.000	0.000	0.000	0.000	FOXB1
2703	0.000	0.002	0.004	-0.003	GJA8
27030	-0.014	0.340	0.447	0.310	MLH3
27032	0.107	1.218	1.252	0.002	ATP2C1
27033	0.000	0.012	0.000	0.012	ZBTB32
27034	-1.177	3.859	3.507	-0.824	ACAD8
27035	0.000	0.028	0.009	0.019	NOX1
27036	0.000	0.000	0.000	-0.001	SIGLEC7
27037	0.029	0.202	0.000	0.231	TRMT2A
27039	0.094	-0.094	0.063	-0.063	PKD2L2
27042	-0.150	-0.532	-0.165	-0.488	DIEXF
27043	-0.109	-0.314	-0.633	0.211	PELP1
27044	-0.114	-0.356	-0.390	-0.079	SND1
2705	-0.001	0.010	0.117	-0.108	GJB1
27063	0.000	1.351	0.383	0.968	ANKRD1
27065	0.000	1.195	0.886	0.038	NSG1
27067	0.205	1.350	2.205	-0.649	STAU2
27068	-0.306	1.471	1.044	0.121	PPA2
27069	-0.141	-0.076	-0.052	-0.165	GHITM
2707	-0.008	2.109	1.528	0.385	GJB3
27071	0.870	-1.830	-0.624	-0.337	DAPP1
27072	-0.341	0.966	0.748	-0.123	VPS41
27074	-0.288	0.974	0.370	0.315	LAMP3
27075	-0.396	0.817	0.784	-0.363	TSPAN13
27076	-0.016	0.515	0.662	-0.164	LYPD3
27077	0.000	0.498	0.225	0.273	B9D1
27079	0.096	-0.788	-0.284	-0.408	RPUSD2
27087	0.000	0.000	0.278	-0.278	B3GAT1

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27089	-0.147	1.425	1.114	0.164	UQCRQ
2709	0.024	3.646	3.274	0.395	GJB5
27090	0.149	-0.691	-0.116	-0.426	ST6GALNAC4
27091	0.001	-0.001	0.000	0.000	CACNG5
27092	-0.006	0.001	0.039	-0.044	CACNG4
27094	-0.166	-0.003	-0.094	-0.076	KCNMB3
27095	-0.229	0.361	0.011	0.120	TRAPPC3
27097	0.836	-1.286	-0.624	0.174	TAF5L
27098	0.000	0.000	0.204	-0.204	CLUL1
27099	-0.026	0.031	0.006	-0.001	SND1-IT1
271	0.015	-1.377	-1.294	-0.068	AMPD2
2710	-0.155	-0.079	-0.404	-0.003	GK
27101	0.539	-1.439	-0.370	-0.361	CACYBP
27102	-0.518	0.883	0.588	-0.223	EIF2AK1
27107	-0.130	-2.053	-1.855	-0.328	ZBTB11
27109	-0.085	0.184	0.193	-0.094	ATP5S
27112	-0.057	0.123	-0.057	0.124	FAM155B
27113	0.244	-0.768	-0.677	0.152	BBC3
27115	0.131	-0.229	-0.098	0.000	PDE7B
2712	0.003	-0.003	0.030	-0.030	GK2
27120	0.000	0.062	0.005	0.057	DKKL1
27121	0.000	0.000	0.000	0.000	DKK4
27122	-0.087	1.465	0.724	0.637	DKK3
27123	0.375	-0.525	-0.150	0.000	DKK2
27124	-0.021	-0.355	-0.384	0.008	INPP5J
27125	0.000	-2.783	-2.937	0.154	AFF4
27128	0.035	-0.035	-0.004	0.004	CYTH4
27129	0.000	0.040	0.000	0.040	HSPB7
2713	0.097	-0.197	-0.035	-0.064	GK3P
27130	-0.003	0.007	0.002	-0.006	INVS
27131	0.482	-0.215	0.119	0.147	SNX5
27132	0.053	0.358	0.345	0.066	CPNE7
27134	-0.235	0.406	0.698	-0.527	TJP3
27136	0.000	0.008	0.000	0.008	MORC1
27141	-0.028	0.418	0.297	0.093	CIDEB
27147	0.000	0.000	0.000	0.000	DENND2A
27156	0.012	0.001	-0.026	0.039	RTDR1
27158	-0.004	-0.011	-0.030	0.014	NDOR1
27159	0.060	-0.080	-0.020	0.000	CHIA
27161	0.035	-2.255	-1.500	-0.720	EIF2C2
27163	-0.097	1.060	0.808	0.155	NAAA
27165	-0.037	0.001	0.060	-0.097	GLS2
2717	0.424	-1.744	-1.123	-0.196	GLA
27173	-0.091	-0.209	-0.480	0.180	SLC39A1
27175	-0.055	0.167	0.321	-0.209	TUBG2

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27178	-0.051	0.000	-0.050	-0.001	IL37
27179	0.000	0.084	0.012	0.071	IL36A
27180	0.000	0.008	0.000	0.008	SIGLEC9
27181	-0.010	0.000	-0.006	0.000	SIGLEC8
27183	0.008	-0.336	-0.387	0.058	VPS4A
27185	0.000	0.000	0.000	0.000	DISC1
2719	0.163	-1.096	-1.215	0.283	GPC3
27190	0.002	1.462	0.299	1.164	IL17B
272	-0.418	-0.558	-0.866	-0.111	AMPD3
2720	-0.598	2.690	2.367	-0.274	GLB1
27202	-0.028	0.275	-0.022	0.269	GPR77
27229	0.005	-0.168	-0.020	-0.143	TUBGCP4
27230	0.128	-1.533	-1.446	0.148	SERP1
27231	-0.009	0.000	-0.009	0.000	NMRK2
27232	0.013	0.372	0.000	0.385	GNMT
27235	-0.174	1.661	1.239	0.247	COQ2
27236	-0.094	-0.261	0.129	-0.484	ARFIP1
27237	0.000	0.027	0.201	-0.174	ARHGEF16
27238	0.039	-0.820	-0.495	-0.286	GPKOW
27239	0.000	0.048	0.003	0.045	GPR162
27240	0.008	0.041	0.008	0.041	SIT1
27241	0.014	0.444	0.649	-0.196	BBS9
27242	-0.148	3.243	3.524	-0.429	TNFRSF21
27243	-0.141	0.331	0.145	0.045	CHMP2A
27244	0.593	-0.669	0.192	-0.267	SESN1
27245	-0.331	0.362	0.031	-0.001	AHDC1
27246	0.106	-1.681	-1.046	-0.529	RNF115
27247	-0.256	2.322	2.031	0.035	NFU1
27249	0.024	-0.521	-0.460	-0.037	MMADHC
27250	0.428	-0.112	0.822	-0.193	PDCD4
27251	0.003	-0.003	0.000	0.000	HR44
27252	-0.071	0.118	0.068	-0.044	KLHL20
27253	0.117	-0.148	-0.412	0.381	PCDH17
27254	-0.013	0.053	-0.110	0.149	CSDC2
27255	0.001	-0.001	0.000	0.000	CNTN6
27257	0.080	-0.082	-0.028	0.027	LSM1
27258	-0.224	0.800	0.538	0.038	LSM3
27284	-0.029	0.000	0.174	-0.203	SULT1B1
27285	0.040	-0.044	-0.004	0.000	TEKT2
27286	-0.045	0.134	0.119	-0.030	SRPX2
27287	0.000	0.019	0.000	0.019	VENTX
27288	0.000	0.000	0.000	0.000	RBMXL2
27289	0.425	-4.099	-3.911	0.237	RND1
2729	-0.278	-2.615	-2.483	-0.410	GCLC
27290	0.013	0.477	0.044	0.446	SPINK4

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27291	0.152	-1.970	-1.904	0.086	R3HCC1L
27292	0.063	-0.746	-0.543	0.012	DIMT1
27293	0.000	1.193	0.522	0.670	SMPDL3B
27295	-0.583	-2.065	-2.528	-0.121	PDLIM3
27296	0.006	-0.003	0.080	-0.076	TP53TG5
27297	0.123	-0.829	-0.428	-0.278	CRCP
27299	-0.008	0.000	-0.008	0.000	ADAMDEC1
273	-0.072	-0.010	-0.075	-0.007	AMPH
2730	0.485	-3.022	-3.107	0.570	GCLM
27300	-0.057	0.300	0.451	-0.208	ZNF544
27301	-0.212	0.616	0.328	0.076	APEX2
27302	0.014	-0.046	-0.021	-0.011	BMP10
27303	0.019	-0.547	-0.481	-0.046	RBMS3
27304	-0.514	-0.767	-1.200	-0.081	MOCS3
27306	0.111	-0.111	0.000	0.000	HPGDS
27309	0.548	-1.969	-1.289	-0.132	ZNF330
2731	-0.005	0.005	0.111	-0.111	GLDC
27314	-0.078	-0.831	-0.909	0.000	RAB30
27315	-0.098	0.374	0.769	-0.493	PGAP2
27316	0.030	-1.291	-1.041	-0.220	RBMX
27324	-1.736	0.639	-0.606	-0.640	TOX3
27328	0.020	0.157	0.000	0.177	PCDH11X
27329	0.006	-0.003	0.009	-0.006	ANGPTL3
2733	-0.325	0.101	-0.073	-0.150	GLE1
27330	-0.028	-0.057	-0.017	-0.068	RPS6KA6
27332	-0.333	0.770	0.576	-0.138	ZNF638
27333	0.001	0.655	0.518	0.138	GOLIM4
27334	0.250	-0.244	0.004	0.002	P2RY10
27335	0.201	0.122	0.169	0.211	EIF3K
27336	-0.141	0.507	0.599	-0.234	HTATSF1
27338	0.445	-2.816	-2.327	-0.044	UBE2S
27339	0.121	-2.044	-1.891	-0.032	PRPF19
2734	-0.045	1.671	1.786	-0.160	GLG1
27340	-0.011	-0.177	0.083	-0.270	UTP20
27341	-0.293	-0.868	-1.040	-0.121	RRP7A
27343	-0.038	0.000	0.248	-0.286	POLL
27344	0.082	0.623	0.312	0.393	PCSK1N
27345	-0.094	0.022	-0.039	-0.033	KCNMB4
27346	0.170	-0.466	-0.254	-0.075	TMEM97
27347	-1.047	2.155	1.214	-0.107	STK39
27348	0.171	0.251	0.715	-0.294	TOR1B
27349	0.138	-0.565	-0.442	0.015	MCAT
2735	0.000	0.000	0.000	0.000	GLI1
27350	0.169	1.778	2.308	-0.362	APOBEC3C
27351	-0.542	0.128	-0.507	0.094	DESI1

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27352	0.048	-0.275	-0.098	-0.110	SGSM3
2736	-0.004	0.168	0.006	0.158	GLI2
2737	-1.362	0.217	-1.562	0.416	GLI3
2739	-0.129	-0.924	-1.218	0.165	GLO1
274	0.424	-0.640	-0.046	0.000	BIN1
2740	0.000	0.144	0.024	0.000	GLP1R
2741	-0.019	0.000	-0.019	0.000	GLRA1
2742	0.027	0.029	0.000	0.055	GLRA2
27429	-0.211	0.018	-0.325	0.132	HTRA2
2743	-0.226	1.229	1.634	-0.631	GLRB
27430	-0.011	-0.109	0.208	-0.328	MAT2B
27434	-0.072	-0.007	-0.003	-0.076	POLM
27436	0.389	-1.098	-0.031	-0.678	EML4
2744	0.327	0.112	0.295	0.516	GLS
27440	0.347	-0.079	0.201	0.068	CECR5
27445	-0.002	0.000	0.758	-0.175	PCLO
2745	1.049	-0.719	0.658	-0.328	GLRX
2746	-0.087	-0.953	-0.481	-0.559	GLUD1
2747	-0.084	-0.664	-0.524	-0.223	GLUD2
275	-0.121	0.907	0.165	0.621	AMT
2752	0.090	-1.952	-1.333	-0.507	GLUL
2760	-0.372	0.385	0.067	0.054	GM2A
2762	0.078	2.216	2.237	0.057	GMDS
2764	0.074	-0.956	-0.661	-0.221	GMFB
2765	0.000	0.035	0.000	0.035	GML
2766	-0.008	0.000	-0.008	0.000	GMPR
2767	-0.018	0.043	0.030	0.009	GNA11
2768	-0.412	-0.138	-0.472	-0.079	GNA12
2769	0.212	-0.204	0.157	-0.149	GNA15
2770	0.039	-2.345	-2.366	0.060	GNAI1
2771	0.078	0.767	0.748	0.096	GNAI2
2773	0.265	-2.003	-1.063	-0.307	GNAI3
2774	-0.005	0.025	0.393	-0.331	GNAL
2775	0.000	0.010	0.000	0.010	GNAO1
2776	-0.056	1.002	0.927	0.019	GNAQ
2778	-0.114	0.250	0.129	-0.112	GNAS
2779	0.017	-0.008	0.099	-0.090	GNAT1
2780	-0.011	0.000	0.030	-0.041	GNAT2
2781	0.164	-0.176	-0.009	-0.002	GNAZ
2782	-0.071	-0.167	0.466	-0.184	GNB1
2783	0.064	0.670	0.195	0.539	GNB2
2784	-0.007	0.191	0.006	0.177	GNB3
2785	-0.157	0.106	-0.168	0.116	GNG3
2786	-0.036	0.106	-0.039	0.110	GNG4
2787	0.139	-0.171	-0.019	-0.013	GNG5

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2788	0.077	0.190	0.350	-0.084	GNG7
2791	0.211	-3.610	-3.067	-0.331	GNG11
2792	0.053	-0.053	0.000	0.000	GNGT1
2794	0.072	-0.736	-0.856	0.193	GNL1
2796	-0.014	0.043	0.378	-0.349	GNRH1
2797	-0.051	0.072	-0.009	0.030	GNRH2
2798	0.000	0.000	0.000	0.000	GNRHR
2799	-0.379	0.331	0.569	-0.205	GNS
28	0.000	0.058	0.000	0.000	ABO
2800	-0.094	0.813	0.488	0.230	GOLGA1
2801	-0.102	-0.092	-0.211	-0.054	GOLGA2
2802	-0.055	0.381	0.664	-0.338	GOLGA3
2803	-0.238	-0.775	-0.673	-0.340	GOLGA4
2804	0.038	-0.422	-0.251	-0.134	GOLGB1
2805	0.106	-1.682	-1.799	0.223	GOT1
2806	-0.233	0.664	0.550	-0.119	GOT2
2810	-0.219	-0.009	-0.568	0.334	SFN
2811	-0.032	0.000	-0.032	0.000	GP1BA
2813	-0.068	0.000	-0.122	0.000	GP2
2814	0.001	0.003	0.082	-0.078	GP5
2815	0.169	-0.169	0.000	0.000	GP9
2817	-0.198	0.949	0.318	0.434	GPC1
2819	0.000	0.022	0.019	0.003	GPD1
2820	-0.146	-0.185	0.262	-0.594	GPD2
2821	0.120	-0.562	-0.398	-0.044	GPI
2822	0.011	-0.010	0.001	0.000	GPLD1
28227	0.000	0.000	0.000	0.000	PPP2R3B
2823	-0.030	0.013	0.098	-0.115	GPM6A
28231	0.769	-3.097	-1.751	-0.577	SLCO4A1
28232	0.389	-0.034	0.557	-0.202	SLCO3A1
28234	-0.041	0.179	-0.035	0.173	SLCO1B3
2824	-0.083	0.008	-0.572	0.606	GPM6B
2825	-0.080	0.020	-0.062	0.001	GPR1
2826	0.173	-0.173	0.000	0.000	CCR10
2827	-0.098	-0.020	-0.104	-0.015	GPR3
2828	-0.109	-0.932	-1.057	0.016	GPR4
282808	0.000	0.000	0.000	0.000	RAB40AL
2829	-0.002	0.000	-0.002	0.000	XCR1
28299	0.000	0.068	0.000	0.068	IGKV1-5
282997	-0.003	-0.019	0.023	-0.045	LOC282997
283	0.696	-1.053	-0.029	-0.328	ANG
2830	0.001	-0.001	0.017	-0.017	GPR6
283131	-1.184	-2.405	-3.048	-0.541	NEAT1
28316	0.000	0.000	0.000	0.000	CDH20
2832	0.000	0.000	0.000	0.000	NPBWR2

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
283212	0.017	-0.017	0.005	-0.005	KLHL35
283232	-0.202	1.115	0.876	0.037	TMEM80
283298	0.022	0.258	0.000	0.280	OLFML1
2833	0.043	0.111	-0.020	0.174	CXCR3
283345	-0.656	-0.025	-0.724	0.043	RPL13P5
283450	-0.514	1.302	0.863	-0.075	HECTD4
283459	0.525	-0.905	0.312	-0.692	GATC
283491	-0.788	-1.063	-1.334	-0.516	OR7E156P
2835	0.000	0.008	0.000	0.008	GPR12
283537	-0.081	0.891	0.484	0.325	SLC46A3
283638	-0.131	-0.293	-0.799	0.375	KIAA0284
283755	0.008	0.065	0.017	0.055	HERC2P3
2838	0.000	0.000	0.250	-0.250	GPR15
28387	0.018	-0.018	0.000	0.000	IGHV5-78
283871	0.000	0.000	0.000	0.000	PGP
283927	-0.029	0.035	-0.001	0.007	NUDT7
284	-0.003	0.723	0.261	0.459	ANGPT1
2840	0.000	0.145	0.005	0.140	GPR17
284001	-0.175	0.275	-0.106	0.206	CCDC57
284021	0.002	0.090	0.676	-0.583	MILR1
2841	0.044	0.104	0.173	-0.024	GPR18
284119	0.056	-0.388	-0.603	0.272	PTRF
2842	0.000	0.016	0.023	-0.006	GPR19
284217	0.130	-0.096	0.000	0.034	LAMA1
284244	0.005	-0.041	-0.031	-0.005	LOC284244
284266	-0.496	-0.029	-0.468	-0.058	SIGLEC15
2843	0.002	-0.002	0.000	0.000	GPR20
284325	0.266	-0.229	-0.169	0.206	C19orf54
284352	0.013	-0.011	0.088	-0.086	PPP1R37
2844	-0.017	-0.052	-0.037	-0.032	GPR21
284403	0.354	-0.348	0.033	-0.026	WDR62
284439	0.000	0.020	0.000	0.019	SLC25A42
284440	0.000	0.126	-0.009	0.135	LINC00663
284443	0.010	0.390	-0.002	0.401	ZNF493
2845	0.005	0.234	0.100	0.139	GPR22
284541	-0.057	0.000	-0.057	0.000	CYP4A22
2846	-0.004	0.159	0.022	0.134	LPAR4
284649	-0.044	0.045	-0.046	0.047	SMG7-AS1
2847	0.000	0.000	0.000	0.000	MCHR1
2848	-0.002	0.117	-0.003	0.118	GPR25
284904	0.000	0.000	0.054	-0.054	SEC14L4
285	1.395	-5.678	-4.357	0.074	ANGPT2
2850	-0.052	0.173	-0.055	0.175	GPR27
28511	0.014	0.265	0.503	-0.224	NKIRAS2
28513	-0.030	7.486	7.963	-0.507	CDH19

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
2852	0.016	-0.016	0.046	-0.046	GPFR
285203	-0.056	2.135	1.568	0.511	EOGT
285231	-0.179	0.080	0.074	-0.172	FBXW12
285282	-0.120	0.104	-0.160	0.144	RABL3
2853	0.000	0.048	0.000	0.048	GPR31
2854	0.004	0.003	0.000	0.007	GPR32
285527	-0.462	1.077	0.872	-0.258	FRYL
285596	-0.084	0.176	-0.077	0.169	FAM153A
285672	0.551	-0.516	0.917	-0.882	SREK1IP1
285830	0.024	-0.168	0.117	-0.261	HLA-F-AS1
28584	0.000	0.000	0.000	0.000	TRBV10-2
2859	0.000	0.000	0.000	0.000	GPR35
286	0.000	0.074	0.000	0.074	ANK1
2861	-0.046	-0.122	0.271	-0.440	GPR37
286148	-0.509	1.768	1.701	-0.442	DPY19L4
2862	0.000	0.000	0.000	0.000	MLNR
286205	0.000	0.059	0.059	0.000	SCAI
2863	0.000	0.006	0.000	0.006	GPR39
28639	1.282	-0.849	0.463	-0.030	TRBC1
286451	-0.418	0.427	0.526	-0.283	YIPF6
286527	-0.098	3.309	2.995	0.215	TMSB15B
2867	-0.009	0.001	-0.009	0.001	FFAR2
28673	0.000	0.038	0.000	0.038	TRAV12-2
2868	0.001	0.007	0.026	-0.019	GRK4
28683	0.000	0.000	0.007	-0.007	TRAV8-3
2869	0.328	0.545	0.998	-0.125	GRK5
287	0.026	-0.029	-0.215	0.000	ANK2
2870	0.092	-0.012	0.090	-0.022	GRK6
2872	-0.026	-0.723	-0.459	-0.289	MKNK2
2873	-0.116	0.587	0.375	0.096	GPS1
2874	-0.104	-0.623	-0.789	0.062	GPS2
2875	0.034	-0.020	0.000	0.014	GPT
28755	0.442	-0.389	-0.084	0.137	TRAC
2876	-0.103	2.096	1.777	0.215	GPX1
2877	-0.083	-0.004	0.100	-0.187	GPX2
2878	0.314	-0.672	-0.659	0.301	GPX3
28785	0.000	0.000	0.000	0.000	IGLV4-60
2879	-0.131	0.709	0.198	0.379	GPX4
28796	0.021	-0.032	-0.006	0.000	IGLV3-21
28797	0.022	-0.068	-0.046	0.000	IGLV3-19
288	-0.657	2.603	2.858	-0.912	ANK3
2880	0.005	0.018	0.027	-0.004	GPX5
28813	1.011	-2.613	-1.535	-0.067	IGLV2-23
2882	-0.400	3.127	1.902	0.825	GPX7
28825	0.045	-0.043	0.020	-0.018	IGLV1-40

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
28831	-0.117	-0.460	-0.696	0.005	IGLJ3
2885	0.058	-1.530	-0.886	-0.586	GRB2
2886	0.059	-1.787	-1.125	-0.603	GRB7
2887	0.083	-0.289	-0.144	0.116	GRB10
2888	-0.110	0.587	1.602	-1.125	GRB14
2889	-0.127	0.061	-0.138	0.072	RAPGEF1
2890	0.001	-0.001	0.000	0.000	GRIA1
28904	0.018	-0.018	0.074	-0.074	IGKV1D-8
28908	0.137	-1.100	-0.963	0.000	IGKV4-1
2891	0.000	0.000	0.062	-0.062	GRIA2
2892	0.008	0.758	0.155	0.500	GRIA3
2893	0.000	0.000	0.000	0.000	GRIA4
2895	0.000	0.000	0.011	-0.011	GRID2
28951	0.835	0.813	1.926	-0.278	TRIB2
28952	-0.125	-0.371	-0.349	-0.146	CCDC22
28954	0.084	0.035	0.043	0.076	REM1
28955	0.021	0.649	0.698	-0.028	DEXI
28956	-0.439	2.582	1.920	0.223	LAMTOR2
28957	-0.028	0.567	0.625	-0.086	MRPS28
28958	-0.847	2.092	1.554	-0.309	COA3
28959	-0.510	-1.061	-1.660	0.090	TMEM176B
2896	-0.897	2.982	1.911	-0.060	GRN
28960	-0.066	1.896	2.200	-0.370	DCPS
28962	-0.311	0.435	-0.427	0.550	OSTM1
28964	-0.055	-0.159	-1.041	0.828	GIT1
28965	0.028	0.646	0.581	0.093	SLC27A6
28966	-0.290	0.809	0.971	-0.452	SNX24
28968	-0.015	0.000	-0.015	0.000	SLC6A16
28969	0.045	-0.704	-0.539	-0.120	BZW2
2897	0.004	0.011	0.008	0.008	GRIK1
28971	0.024	1.347	0.566	0.115	C11orf67
28972	-0.315	1.180	0.920	-0.055	SPCS1
28973	-0.286	0.619	0.365	-0.033	MRPS18B
28974	0.111	0.640	0.281	0.471	C19orf53
28977	-0.737	0.291	-0.410	-0.036	MRPL42
28978	-0.557	2.301	2.017	-0.273	TMEM14A
2898	0.001	-0.001	0.358	-0.358	GRIK2
28981	0.015	1.098	1.164	-0.051	IFT81
28983	-0.279	6.289	6.437	-0.427	TMPRSS11E
28984	0.916	-3.580	-2.329	-0.335	RGCC
28985	-0.059	0.846	0.611	0.176	MCTS1
28986	0.512	-0.076	0.226	0.210	MAGEH1
2899	0.040	-0.040	0.072	-0.072	GRIK3
28990	0.174	-0.441	-0.340	0.074	ASTE1
28992	0.227	0.096	0.071	0.253	MACROD1

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
28996	-0.229	0.106	0.366	-0.490	HIPK2
28998	-0.048	0.815	0.853	-0.085	MRPL13
28999	0.000	0.000	0.000	0.000	KLF15
29	-0.112	0.945	0.771	0.062	ABR
290	0.502	3.933	4.204	0.231	ANPEP
2900	-0.031	-0.001	0.009	-0.040	GRIK4
2901	0.004	0.077	0.008	0.072	GRIK5
29015	0.704	-3.305	-2.711	0.110	SLC43A3
29018	0.040	-0.070	-0.030	0.000	FOXN3-AS2
2902	0.000	0.009	-0.001	0.009	GRIN1
29028	0.366	-2.455	-1.619	-0.470	ATAD2
2903	0.024	-0.024	0.000	0.000	GRIN2A
29034	0.112	-0.117	0.006	-0.012	CPS1-IT1
29035	-0.045	0.006	0.025	-0.063	C16orf72
2904	0.035	0.025	0.008	0.051	GRIN2B
29044	-0.012	0.102	0.005	0.084	C9orf38
2905	0.000	0.000	0.000	0.000	GRIN2C
29058	-0.512	1.468	0.966	-0.010	TMEM230
2906	0.000	0.000	0.000	0.000	GRIN2D
29062	-0.158	-0.458	-0.584	-0.031	WDR91
29063	0.000	0.017	0.000	0.000	ZCCHC4
29065	0.020	-0.037	-0.017	0.000	ASAP1-IT1
29066	0.008	-0.618	-0.410	-0.200	ZC3H7A
29068	0.113	0.218	0.038	0.293	ZBTB44
2907	-0.135	0.340	-0.134	0.339	GRINA
29071	-0.508	3.106	2.769	-0.170	C1GALT1C1
29072	-0.171	-0.709	-0.720	-0.078	SETD2
29074	0.386	-0.579	0.000	-0.193	MRPL18
29075	0.015	0.170	0.175	0.010	LINC00652
29078	0.201	-1.087	-1.295	0.409	NDUFAF4
29079	0.187	-0.372	0.036	-0.220	MED4
2908	-0.068	-0.748	-0.591	-0.225	NR3C1
29080	0.347	-2.392	-2.012	-0.034	CCDC59
29081	-0.149	0.545	0.642	-0.246	METTL5
29082	-0.551	1.040	0.765	-0.275	CHMP4A
29083	0.401	-0.350	0.327	-0.276	GTPBP8
29086	-0.041	0.797	0.634	0.123	BABAM1
29087	0.048	3.410	3.903	-0.445	THYN1
29088	0.201	1.292	1.338	0.155	MRPL15
2909	-0.068	-0.070	-0.129	0.106	ARHGAP35
29091	-0.057	0.054	-0.053	0.050	STXBP6
29092	-0.040	0.438	0.449	-0.051	LINC00339
29093	-0.124	0.200	-0.053	0.129	MRPL22
29094	1.324	-3.723	-2.038	-0.361	LGALS1
29095	-0.307	1.048	0.696	0.045	ORMDL2

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
29097	0.015	-0.322	-0.355	0.048	CNIH4
29098	0.051	0.408	0.394	0.065	RANGRF
29099	-0.342	2.008	1.504	0.161	COMMD9
291	0.208	0.017	0.142	0.083	SLC25A4
29100	-0.342	1.110	0.412	0.356	TMEM208
29102	-0.412	1.587	1.366	-0.191	DROSHA
29103	-0.905	1.606	0.633	0.069	DNAJC15
29104	-0.141	0.093	0.163	-0.211	N6AMT1
29105	0.367	-1.290	-0.717	-0.206	C16orf80
29106	0.000	0.005	0.000	0.005	SCG3
29107	0.499	-2.700	-1.900	-0.301	NXT1
29108	-0.234	3.905	3.165	0.506	PYCARD
29109	-0.171	0.213	0.190	-0.147	FHOD1
2911	0.000	0.000	0.000	0.000	GRM1
29110	0.353	-1.901	-1.609	0.062	TBK1
29113	0.375	5.153	3.943	1.585	C6orf15
29114	-0.108	2.138	1.907	0.123	TAGLN3
29115	-0.164	-1.397	-1.573	0.013	SAP30BP
29116	-0.123	-2.375	-2.605	0.106	MYLIP
29117	-0.135	0.462	0.969	-0.643	BRD7
29118	-0.126	-0.007	-0.133	0.000	DDX25
29119	0.000	0.000	0.000	0.000	CTNNA3
2912	0.017	0.034	0.000	0.051	GRM2
29121	0.226	-0.250	-0.023	-0.002	CLEC2D
29122	-0.005	-0.001	-0.006	0.000	PRSS50
29123	-0.247	-1.540	-1.369	-0.419	ANKRD11
29124	-0.002	-0.004	-0.006	0.000	LGALS13
29125	0.001	0.005	0.002	0.004	C11orf21
29127	0.186	1.002	0.682	0.506	RACGAP1
2913	0.023	0.154	-0.009	0.186	GRM3
2914	-0.119	0.000	-0.117	-0.001	GRM4
2915	-0.004	0.000	-0.004	0.000	GRM5
2916	0.001	0.001	0.000	0.001	GRM6
2917	0.004	0.071	-0.011	0.087	GRM7
2918	0.000	0.000	0.001	0.000	GRM8
2919	0.214	-4.198	-3.419	-0.564	CXCL1
292	0.152	-0.475	-0.444	0.121	SLC25A5
2920	0.037	-7.640	-6.137	-1.466	CXCL2
2921	0.344	-7.709	-6.721	-0.644	CXCL3
2922	0.387	1.844	2.784	-0.553	GRP
2923	0.064	0.166	0.570	-0.340	PDIA3
2925	-0.017	0.025	-0.015	0.023	GRPR
2926	-0.118	0.369	0.587	-0.208	GRSF1
2928	0.000	0.000	0.000	0.000	GSC2
293	0.125	-0.250	-0.139	0.014	SLC25A6

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
2931	0.109	-0.035	0.118	-0.044	GSK3A
2932	-0.052	-1.494	-1.364	-0.183	GSK3B
2934	0.252	0.978	1.064	0.166	GSN
2935	-0.153	-1.140	-1.437	0.036	GSPT1
2936	-1.007	-0.963	-2.097	0.127	GSR
2937	-0.477	1.346	0.980	-0.112	GSS
2938	0.194	-0.381	-0.148	-0.040	GSTA1
2940	0.171	0.136	0.000	0.307	GSTA3
2941	0.083	0.713	0.142	0.654	GSTA4
2944	-0.052	0.123	0.199	-0.128	GSTM1
2946	0.030	0.677	0.704	0.003	GSTM2
2947	-0.410	-1.170	-1.722	0.142	GSTM3
2948	-0.158	0.520	0.222	0.140	GSTM4
2949	0.075	-0.066	0.039	-0.030	GSTM5
2950	-0.360	0.781	0.245	0.177	GSTP1
2952	-0.497	2.407	0.902	1.008	GSTT1
2953	0.272	-0.269	0.438	-0.435	GSTT2
2954	-0.244	1.111	0.824	0.043	GSTZ1
2956	0.220	-1.517	-0.642	-0.629	MSH6
2957	-0.142	0.037	-0.143	0.039	GTF2A1
2958	-0.169	0.104	0.011	-0.075	GTF2A2
2959	0.603	-2.145	-1.508	-0.034	GTF2B
2960	-0.171	0.376	0.551	-0.346	GTF2E1
2961	0.185	-0.365	-0.070	-0.111	GTF2E2
2962	0.004	-1.603	-1.189	-0.409	GTF2F1
2963	0.000	0.064	0.210	-0.146	GTF2F2
2965	-0.124	-0.592	-1.007	0.291	GTF2H1
2967	-0.382	0.556	0.825	-0.651	GTF2H3
2968	-0.157	0.005	0.336	-0.489	GTF2H4
2969	-0.117	-0.006	-0.048	-0.075	GTF2I
2971	-0.069	0.518	0.827	-0.378	GTF3A
2972	0.013	0.082	0.002	0.098	BRF1
2974	-0.001	0.000	0.003	-0.004	GUCY1B2
2975	-0.342	0.277	-0.092	0.027	GTF3C1
2976	-0.043	0.406	0.260	-0.091	GTF3C2
29760	-0.997	0.451	-1.139	0.593	BLNK
29761	-0.574	-0.256	-0.517	-0.313	USP25
29763	0.109	0.064	-0.100	0.273	PACIN3
29766	-0.222	-0.837	-0.689	-0.370	TMOD3
29767	-0.012	0.013	0.077	-0.076	TMOD2
2977	0.000	0.000	0.000	0.000	GUCY1A2
29774	0.120	0.027	0.097	0.050	POM121L9P
29775	0.002	-0.164	-0.015	0.010	CARD10
29777	0.244	-2.149	-1.588	-0.317	ABT1
2978	0.000	0.000	0.000	0.000	GUCA1A

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
29780	0.061	-0.475	-0.420	0.009	PARVB
29781	0.041	-0.056	-0.175	0.083	NCAPH2
29789	-0.351	0.657	0.078	0.228	OLA1
2979	-0.112	0.013	-0.112	0.013	GUCA1B
29796	-0.387	1.256	0.900	-0.031	UQCR10
29798	0.000	0.175	0.075	0.100	C2orf27A
29799	-0.012	0.011	-0.010	0.009	YPEL1
29802	-0.075	-0.003	-0.073	-0.005	VPREB3
29803	-0.290	-0.230	-0.245	-0.274	REPIN1
2981	0.000	0.028	0.000	0.028	GUCA2B
2982	-0.188	4.861	4.621	0.052	GUCY1A3
2983	0.641	0.245	0.830	0.056	GUCY1B3
2984	0.000	0.000	0.000	0.000	GUCY2C
29842	1.526	-2.267	-0.259	-0.481	TFCP2L1
29844	0.071	0.223	-0.232	0.526	TFPT
29851	0.511	-0.382	0.000	0.130	ICOS
29855	-0.139	-0.144	-0.053	-0.231	UBN1
2986	0.000	0.306	0.001	0.305	GUCY2F
2987	0.051	0.054	-0.266	0.371	GUK1
29880	-0.469	1.582	1.371	-0.259	ALG5
29881	0.000	0.000	0.000	0.000	NPC1L1
29882	-0.133	-0.106	-0.180	-0.059	ANAPC2
29883	-0.096	0.091	0.206	-0.211	CNOT7
29887	0.120	-0.998	-1.190	0.312	SNX10
29888	-0.046	-0.531	-0.382	-0.195	STRN4
29889	0.240	-2.080	-1.729	-0.110	GNL2
29890	0.185	-0.879	-0.041	-0.653	RBM15B
29893	-0.087	0.218	0.418	-0.288	PSMC3IP
29894	-0.342	0.523	-0.063	0.054	CPSF1
29895	0.024	0.368	0.000	0.392	MYLPF
29896	0.229	-0.348	-0.147	0.028	TRA2A
29899	0.263	-0.569	-0.430	0.123	GPSM2
2990	-0.322	0.862	1.309	-0.768	GUSB
29901	-0.286	0.413	0.209	-0.082	SAC3D1
29902	0.005	0.115	0.072	0.047	FAM216A
29903	-0.038	0.041	0.502	-0.499	CCDC106
29906	0.000	0.000	0.000	0.000	ST8SIA5
29907	0.032	-0.088	0.230	-0.286	SNX15
29909	0.591	-0.564	0.068	-0.041	GPR171
29911	-0.528	0.931	0.287	0.117	HOOK2
29914	0.529	-2.127	-1.735	0.137	UBIAD1
29915	0.086	-0.271	0.119	-0.304	HCFC2
29916	0.227	-1.019	-0.608	-0.184	SNX11
29919	0.049	-1.511	-1.111	-0.351	C18orf8
2992	-0.403	0.262	-0.306	0.166	GYG1

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
29922	-0.506	1.407	0.439	0.462	NME7
29923	1.378	-4.135	-2.524	-0.233	HILPDA
29924	0.049	-0.064	0.046	-0.062	EPN1
29925	-0.120	-0.462	-0.472	-0.110	GMPPB
29926	-0.507	0.382	0.143	-0.268	GMPPA
29927	0.494	-0.951	-0.841	0.384	SEC61A1
29928	-0.419	-0.446	-0.230	-0.635	TIMM22
29929	-0.591	2.114	1.818	-0.296	ALG6
2993	0.024	-0.032	0.012	-0.011	GYPA
29930	0.000	0.000	0.000	0.000	PCDHB1
29931	-0.915	-0.175	-1.113	0.024	LINC00312
29933	0.002	0.633	0.000	0.635	GPR132
29935	-0.034	-0.010	-0.044	0.000	RPA4
29937	0.000	0.000	0.040	0.075	NENF
2994	-0.006	0.000	0.003	-0.003	GYPB
29940	0.158	-0.166	-0.328	0.319	DSE
29942	0.063	-0.063	0.002	-0.002	PURG
29943	-0.064	0.589	0.470	0.054	PADI1
29944	0.000	0.069	0.000	0.069	PNMA3
29946	-0.220	-1.239	-1.664	0.206	SERTAD3
29947	0.000	0.044	0.002	0.042	DNMT3L
29948	-0.067	-0.277	-0.449	0.105	OSGIN1
29949	0.000	0.109	0.051	0.058	IL19
2995	0.367	-2.677	-2.708	0.397	GYPC
29951	0.000	0.078	0.000	0.077	PDZRN4
29953	0.005	1.609	1.257	0.357	TRHDE
29954	0.000	0.000	0.000	0.000	POMT2
29956	-0.087	0.363	0.408	-0.132	CERS2
29957	-0.514	1.656	1.222	-0.080	SLC25A24
29959	-0.002	-0.237	-0.649	0.411	NRBP1
2996	0.003	0.429	0.000	0.432	GYPE
29960	-0.158	0.024	0.304	-0.438	FTSJ2
29965	0.126	-0.252	-0.156	0.031	C16orf5
29966	-0.181	0.105	-0.296	0.220	STRN3
29967	-0.074	-0.272	-0.008	-0.110	LRP12
29968	-0.196	-2.647	-3.178	0.334	PSAT1
29969	0.063	1.263	1.416	-0.090	MDFIC
2997	0.220	0.127	0.125	0.222	GYS1
29974	-0.051	0.000	0.081	-0.132	A1CF
29978	-0.237	0.399	-0.109	0.271	UBQLN2
2998	0.001	0.014	0.000	0.016	GYS2
29980	0.233	-1.077	-0.624	-0.219	DONSON
29982	0.756	-1.349	-0.751	0.158	NRBF2
29984	-0.264	1.825	0.723	0.838	RHOD
29986	-0.064	0.023	-0.012	-0.028	SLC39A2

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
29988	-0.137	0.479	-0.107	0.449	SLC2A8
2999	0.023	-0.023	0.030	-0.030	GZMH
29990	-0.826	-0.152	-1.012	0.034	PILRB
29991	0.000	0.003	0.000	0.003	OBP2A
29992	-0.189	-0.009	-0.217	0.018	PILRA
29994	-0.057	0.954	0.814	0.083	BAZ2B
29995	-0.329	-3.073	-3.491	0.089	LMCD1
29997	0.343	-1.408	-0.955	-0.111	GLTSCR2
29998	-0.478	-0.039	-0.501	-0.016	GLTSCR1
29999	-0.002	0.051	-0.002	0.051	FSCN3
30	-0.567	1.747	1.254	-0.073	ACAA1
3000	0.000	0.018	0.126	-0.108	GUCY2D
30000	-0.106	-0.034	-0.004	-0.106	TNPO2
30001	0.320	-2.203	-1.264	-0.619	ERO1L
30008	0.172	2.152	1.493	0.832	EFEMP2
30009	-0.153	0.141	-0.120	0.108	TBX21
3001	0.081	-0.081	0.000	0.000	GZMA
30012	0.000	0.332	0.005	0.327	TLX3
3002	0.513	-0.516	-0.003	0.000	GZMB
3003	0.005	-0.005	0.035	-0.035	GZMK
3004	0.000	0.006	0.000	0.006	GZMM
3005	0.316	-1.220	-0.804	-0.099	H1FO
3006	-0.955	-2.154	-2.631	-0.477	HIST1H1C
30062	-0.111	0.000	-0.111	0.000	RAX
3007	0.136	0.051	-0.001	0.187	HIST1H1D
3008	-0.145	-0.176	-0.322	0.002	HIST1H1E
3009	0.136	-0.119	0.002	0.015	HIST1H1B
301	0.607	-0.426	0.489	-0.308	ANXA1
3010	0.001	-0.016	-0.005	-0.010	HIST1H1T
3012	-0.486	-1.435	-1.921	0.001	HIST1H2AE
3014	0.101	0.042	-0.013	0.084	H2AFX
3015	0.185	-0.904	-0.816	0.097	H2AFZ
3017	-0.804	-0.508	-1.152	-0.160	HIST1H2BD
3018	-0.363	0.001	-0.362	0.000	HIST1H2BB
302	-0.123	0.652	0.611	-0.075	ANXA2
3020	0.438	0.852	1.260	0.030	H3F3A
3021	0.030	-0.938	-0.997	-0.050	H3F3B
3024	0.000	0.070	0.000	0.070	HIST1H1A
3026	0.016	0.067	0.000	0.082	HABP2
3028	-0.084	0.690	0.093	0.514	HSD17B10
3029	-0.316	2.529	1.553	0.661	HAGH
303	-0.140	0.744	0.271	0.332	ANXA2P1
3030	-0.301	0.223	-0.002	-0.076	HADHA
3032	-0.320	0.573	0.297	-0.044	HADHB
3033	-0.096	0.320	0.558	-0.157	HADH

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
3034	0.018	0.092	0.084	0.026	HAL
3035	-0.213	0.238	0.110	-0.085	HARS
3036	0.449	-0.539	-0.097	0.007	HAS1
3037	-0.152	0.202	0.132	-0.082	HAS2
304	-0.100	0.894	0.761	0.033	ANXA2P2
3043	-0.022	-0.674	-1.270	0.165	HBB
3044	0.000	0.000	0.000	0.000	HBBP1
3045	-0.003	0.000	-0.003	0.000	HBD
3046	0.005	5.718	5.272	0.452	HBE1
3049	0.000	0.000	0.000	0.000	HBQ1
305	0.143	0.454	0.995	-0.398	ANXA2P3
3050	0.089	0.104	0.000	0.193	HBZ
3052	0.107	-1.541	-1.216	-0.218	HCCS
3053	0.000	0.000	0.000	0.000	SERPIND1
3054	0.006	-0.149	-0.065	-0.078	HCFC1
3055	-0.067	0.000	-0.067	0.000	HCK
3059	0.400	-2.181	-1.919	0.138	HCLS1
306	-0.150	0.979	0.883	-0.055	ANXA3
3060	0.000	0.000	0.000	0.000	HCRT
3061	0.000	0.000	0.000	0.000	HCRTR1
3062	0.000	0.045	0.000	0.045	HCRTR2
3064	-0.080	-0.063	-0.028	-0.116	HTT
3065	-0.299	1.321	1.163	-0.141	HDAC1
3066	0.033	0.187	0.393	-0.173	HDAC2
3067	0.021	0.081	0.000	0.102	HDC
3068	0.216	-1.153	-0.992	0.055	HDGF
3069	0.156	-0.127	-0.235	0.097	HDLBP
307	-0.637	2.277	1.633	0.007	ANXA4
3070	0.040	0.437	0.898	-0.421	HELLS
3071	0.014	-0.042	-0.037	0.009	NCKAP1L
3073	-0.149	0.752	0.643	-0.039	HEXA
3074	-0.082	1.337	1.393	-0.138	HEXB
3075	1.070	-1.634	-0.955	0.391	CFH
3077	-0.003	0.054	0.086	-0.062	HFE
308	-0.111	-0.871	-1.009	0.028	ANXA5
3080	-0.106	-0.024	-0.159	0.029	CFHR2
3081	-0.757	0.126	-0.787	0.185	HGD
30811	-0.002	0.240	-0.001	0.239	HUNK
30813	0.000	0.023	0.048	-0.025	VSX1
30814	0.000	0.000	0.000	0.000	PLA2G2E
30817	-0.128	0.851	1.764	-1.041	EMR2
30819	-0.002	0.224	-0.002	0.224	KCNIP2
3082	0.328	-0.466	-0.204	0.000	HGF
30820	0.027	-0.027	0.275	-0.275	KCNIP1
30827	-0.116	-0.665	-0.845	0.065	CXXC1

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
3083	0.000	0.000	0.012	-0.012	HGFAC
30835	0.033	0.073	-0.006	0.112	CD209
30836	0.157	-2.049	-1.889	-0.003	DNTTIP2
30837	0.015	-0.015	0.025	-0.025	SOCS7
3084	-0.012	-0.160	-0.079	-0.043	NRG1
30844	0.452	-1.392	-0.666	-0.274	EHD4
30845	0.030	1.198	0.742	0.486	EHD3
30846	0.025	0.680	0.129	0.285	EHD2
30848	0.009	0.021	0.001	0.030	CTAG2
30849	-0.058	0.073	-0.058	0.076	PIK3R4
30850	-0.005	-0.304	-0.369	0.061	CDR2L
30851	-0.136	1.360	1.309	-0.086	TAX1BP3
3087	0.906	-2.232	-1.049	-0.277	HHEX
309	-0.041	0.434	0.268	0.125	ANXA6
3090	0.000	0.000	0.000	0.000	HIC1
3091	-0.108	0.152	-0.084	0.128	HIF1A
3092	-0.145	-0.042	-0.020	-0.167	HIP1
3093	-0.151	-0.205	-0.465	0.109	UBE2K
3094	0.087	0.572	0.530	0.170	HINT1
3096	-0.487	-0.652	-1.436	0.297	HIVEP1
30968	-0.231	0.037	-0.306	0.112	STOML2
3097	0.147	-3.955	-3.647	-0.161	HIVEP2
3098	0.210	-0.392	-0.434	0.252	HK1
3099	0.339	-0.703	-0.595	0.231	HK2
31	-0.545	0.588	0.046	-0.003	ACACA
310	-0.377	0.259	-0.023	-0.095	ANXA7
3101	0.000	0.014	0.000	0.014	HK3
3104	0.163	-0.163	0.000	0.000	ZBTB48
3105	-0.106	-0.205	-0.626	0.315	HLA-A
3106	-0.072	-1.006	-1.576	0.491	HLA-B
3107	0.036	-0.915	-1.194	0.336	HLA-C
3108	0.396	-1.316	-0.659	-0.261	HLA-DMA
3109	0.115	0.059	0.149	0.025	HLA-DMB
311	0.174	0.187	0.375	-0.015	ANXA11
3110	-0.003	0.209	-0.003	0.209	MNX1
3111	-0.005	0.007	-0.003	0.007	HLA-DOA
3112	0.062	0.384	0.465	-0.019	HLA-DOB
3113	0.477	-2.376	-2.033	0.510	HLA-DPA1
3115	0.526	-2.408	-2.032	0.150	HLA-DPB1
3117	1.743	-2.040	-0.269	-0.028	HLA-DQA1
3119	-0.720	0.227	-0.791	0.290	HLA-DQB1
312	0.000	0.000	0.013	-0.013	ANXA13
3120	0.000	0.147	0.007	0.141	HLA-DQB2
3122	0.542	-4.131	-3.786	0.197	HLA-DRA
3126	0.000	0.000	0.000	-0.001	HLA-DRB4

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
3128	0.244	-0.321	-0.172	0.094	HLA-DRB6
313	0.123	-0.153	-0.031	0.000	AOAH
3131	0.049	0.019	0.095	-0.119	HLF
3133	0.135	-1.336	-1.481	0.191	HLA-E
3134	0.023	-0.379	-1.065	0.711	HLA-F
3135	0.279	-0.861	-0.871	0.210	HLA-G
314	-0.339	0.095	-0.379	0.135	AOC2
3140	-0.085	0.437	0.147	-0.009	MR1
3141	-0.043	0.043	0.221	-0.221	HLCS
3142	0.768	-0.857	-0.090	0.000	HLX
3145	-0.585	2.042	1.307	0.150	HMBS
3146	-0.104	1.237	1.016	0.063	HMGB1
3148	0.399	-1.744	-1.531	0.186	HMGB2
3149	-1.487	1.384	-0.110	0.007	HMGB3
3150	-0.325	0.609	0.334	-0.049	HMGN1
3151	-0.179	0.300	0.132	-0.011	HMGN2
3155	-0.630	1.344	0.434	0.280	HMGCL
3156	-0.048	-1.027	-0.753	-0.322	HMGCR
3157	0.761	-3.428	-2.791	0.123	HMGCS1
3158	-0.105	-0.286	-0.391	0.000	HMGCS2
3159	0.601	-1.627	-1.177	0.151	HMGA1
316	-0.728	0.000	-0.727	-0.002	AOX1
3161	-0.057	0.096	0.409	-0.371	HMMR
3162	0.955	-9.452	-8.578	0.081	HMOX1
3163	0.212	-0.392	-0.520	0.340	HMOX2
3164	0.207	-1.149	-1.382	0.211	NR4A1
3166	0.026	0.059	0.007	0.077	HMX1
3169	-1.764	-0.947	-2.678	-0.034	FOXA1
317	0.031	0.002	0.004	-0.004	APAF1
3170	0.000	0.000	0.000	0.000	FOXA2
3172	0.000	0.002	0.001	0.000	HNF4A
3174	0.000	0.007	0.039	-0.032	HNF4G
3175	0.042	-0.053	-0.011	0.000	ONECUT1
3176	-0.107	0.011	0.000	0.013	HNMT
317648	0.000	0.087	0.000	0.205	NOP14-AS1
317662	0.000	0.536	0.697	0.152	FAM149B1
3177	0.016	-0.041	-0.093	0.068	SLC29A2
317762	-0.189	-0.166	-0.360	0.006	CCDC85C
317781	-0.135	0.013	-0.131	0.009	DDX51
3178	-0.132	-0.634	-1.107	-0.161	HNRNPA1
318	-0.054	1.278	1.146	0.079	NUDT2
3181	-0.050	0.357	0.553	-0.246	HNRNPA2B1
3182	0.044	-1.088	-1.165	0.122	HNRNPAB
3183	-0.055	-1.501	-1.568	-0.074	HNRNPC
3184	-0.181	-0.221	-0.104	-0.112	HNRNPD

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
3185	0.243	-1.417	-1.297	0.123	HNRNPF
3187	-0.340	-0.159	-0.379	-0.001	HNRNPH1
3188	-0.097	-0.031	-0.084	-0.044	HNRNPH2
3189	-0.365	-1.774	-1.841	-0.299	HNRNPH3
319	0.000	0.000	0.003	-0.003	APOF
3190	-0.119	-0.043	-0.187	0.026	HNRNPK
3191	0.220	-0.655	-0.381	-0.023	HNRNPL
3192	-0.070	-0.244	-0.140	0.028	HNRNPU
3195	-0.007	0.000	-0.007	0.000	TLX1
3196	0.003	0.016	0.003	0.016	TLX2
3198	-0.108	1.140	1.010	0.021	HOXA1
3199	0.000	0.154	0.169	-0.014	HOXA2
32	0.000	0.066	0.036	-0.036	ACACB
320	0.036	0.313	0.000	0.348	APBA1
3200	0.018	-0.021	-0.010	0.008	HOXA3
3201	0.196	0.042	0.509	-0.271	HOXA4
3202	-0.199	1.261	0.937	0.125	HOXA5
3203	0.000	0.453	0.978	-0.525	HOXA6
3204	0.000	2.117	1.582	0.534	HOXA7
3206	0.005	0.942	0.647	0.300	HOXA10
3207	0.000	0.000	0.054	-0.054	HOXA11
3208	0.000	0.000	0.081	-0.081	HPCA
321	-0.006	-0.081	-0.079	-0.008	APBA2
3211	0.000	0.000	0.000	0.000	HOXB1
3212	-0.629	0.949	0.654	-0.334	HOXB2
3213	-0.048	0.000	0.026	-0.074	HOXB3
3215	0.056	0.191	0.489	-0.241	HOXB5
3216	0.214	0.107	0.549	-0.228	HOXB6
3217	0.073	1.228	0.992	0.384	HOXB7
3218	0.000	0.000	0.001	-0.001	HOXB8
3219	0.061	0.329	0.079	0.311	HOXB9
322	-0.059	0.009	-0.053	0.003	APBB1
3222	0.007	0.111	-0.010	0.128	HOXC5
3223	-0.155	3.552	2.763	0.635	HOXC6
3224	0.075	1.242	0.589	0.728	HOXC8
3226	-0.001	0.097	0.113	-0.017	HOXC10
3227	0.130	0.121	-0.019	0.270	HOXC11
3229	-0.006	0.310	0.011	0.293	HOXC13
323	-0.143	0.102	0.065	0.014	APBB2
3231	-0.091	-0.165	-0.373	0.117	HOXD1
3232	0.000	0.000	0.000	0.000	HOXD3
3235	0.002	-0.002	0.031	-0.031	HOXD9
3236	-0.025	0.000	-0.025	0.000	HOXD10
3237	-0.001	-0.004	0.094	-0.099	HOXD11
3238	0.000	0.057	0.000	0.057	HOXD12

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
3239	0.000	0.000	0.001	-0.001	HOXD13
324	0.027	-0.019	0.007	-0.029	APC
3240	-0.984	-0.768	-1.615	-0.137	HP
3241	0.268	-0.426	0.075	-0.232	HPCAL1
3242	0.003	-0.003	0.000	0.000	HPD
3248	-0.009	0.007	0.044	-0.036	HPGD
3249	-0.125	-0.021	-0.025	-0.121	HPN
325	0.020	0.235	0.098	0.156	APCS
3250	-0.008	0.139	0.006	0.126	HPR
3251	0.526	-1.265	-1.096	0.356	HPRT1
3257	-0.077	0.197	-0.119	-0.051	HPS1
326	0.237	-0.227	-0.058	0.068	AIRE
3263	-0.483	-0.078	-0.560	0.000	HPX
3265	-0.918	1.721	0.574	0.229	HRAS
3267	0.207	-0.899	-0.102	-0.515	AGFG1
3268	0.000	0.000	0.000	0.006	AGFG2
3269	0.159	-0.748	-0.395	-0.194	HRH1
327	-1.306	2.285	0.707	0.272	APEH
3270	0.000	0.000	0.004	-0.004	HRC
3273	0.000	0.039	0.105	-0.066	HRG
3274	0.066	-0.069	-0.004	0.000	HRH2
3275	0.002	1.467	0.988	0.302	PRMT2
3276	0.192	-2.227	-2.022	-0.013	PRMT1
328	-0.044	0.841	0.426	0.371	APEX1
3280	0.000	0.215	0.002	0.084	HES1
3281	-0.141	0.930	1.093	-0.304	HSBP1
3283	0.000	0.085	0.039	0.046	HSD3B1
3284	0.000	0.000	0.014	-0.014	HSD3B2
329	0.148	-0.545	-0.743	0.346	BIRC2
3290	1.102	-2.593	-1.595	0.104	HSD11B1
3291	0.243	-0.040	-0.007	0.210	HSD11B2
3292	0.004	1.911	1.653	0.263	HSD17B1
3293	0.000	0.000	0.000	0.000	HSD17B3
3294	0.712	-0.098	1.409	-0.796	HSD17B2
3295	-0.277	1.061	0.991	-0.207	HSD17B4
3297	0.224	-0.347	-0.115	-0.008	HSF1
3298	-0.064	-2.385	-2.350	-0.098	HSF2
3299	0.034	-0.001	0.001	0.031	HSF4
33	0.000	0.145	0.004	0.141	ACADL
330	0.422	-3.697	-3.124	-0.151	BIRC3
3300	-0.056	0.278	0.502	-0.281	DNAJB2
3301	0.224	-2.558	-2.123	-0.211	DNAJA1
3303	0.366	-2.702	-2.154	-0.183	HSPA1A
3305	0.372	-0.870	-0.367	-0.132	HSPA1L
3306	0.188	-3.560	-3.266	-0.106	HSPA2

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
3308	0.017	-0.972	-0.979	-0.286	HSPA4
3309	0.392	-1.324	-0.811	-0.121	HSPA5
331	-0.094	-0.172	-0.261	-0.006	XIAP
3310	0.974	-6.656	-5.960	0.278	HSPA6
3312	-0.081	-0.166	-0.007	-0.031	HSPA8
3313	0.175	-1.946	-1.571	-0.047	HSPA9
3315	-0.331	-0.068	-0.676	0.277	HSPB1
3316	0.044	1.137	0.243	0.939	HSPB2
332	0.000	0.206	0.032	-0.014	BIRC5
3320	-0.013	-0.384	-0.088	-0.309	HSP90AA1
3321	-0.109	2.017	1.875	0.034	IGSF3
3326	0.024	-1.477	-1.367	-0.087	HSP90AB1
3329	0.272	-1.847	-1.462	-0.114	HSPD1
333	0.000	0.504	0.508	-0.004	APLP1
3336	0.288	-0.413	-0.140	0.014	HSPE1
3337	0.404	-2.708	-2.339	0.035	DNAJB1
3338	-0.010	0.084	-0.009	0.034	DNAJC4
3339	0.176	-0.154	-0.210	0.232	HSPG2
334	-0.244	1.155	0.859	-0.072	APLP2
3340	-0.089	0.842	0.818	-0.065	NDST1
3344	0.421	-1.239	-0.832	0.014	FOXN2
3346	0.000	0.139	0.000	0.139	HTN1
3347	0.000	0.044	0.000	0.044	HTN3
335	-0.018	-0.004	-0.022	0.000	APOA1
3350	0.000	0.000	0.000	0.000	HTR1A
3351	-0.239	0.197	-0.210	0.169	HTR1B
3352	0.061	-0.061	0.000	0.000	HTR1D
3354	0.124	0.066	0.014	0.175	HTR1E
3355	-0.002	0.000	-0.001	-0.001	HTR1F
3356	0.000	0.092	0.000	0.092	HTR2A
3357	0.001	0.055	0.000	0.056	HTR2B
3358	0.000	0.000	0.002	-0.002	HTR2C
3359	-0.006	0.113	-0.006	0.113	HTR3A
336	-0.003	0.215	-0.003	0.215	APOA2
3360	0.001	0.000	0.000	0.000	HTR4
3361	0.004	0.209	0.000	0.213	HTR5A
3362	0.000	0.336	0.000	0.336	HTR6
3363	-0.005	0.209	-0.010	0.214	HTR7
3364	-0.071	-0.054	-0.226	-0.080	HUS1
337	0.000	0.000	0.115	-0.115	APOA4
3371	-0.296	3.184	2.633	0.254	TNC
3373	0.054	-0.043	-0.068	0.079	HYAL1
3375	0.040	-0.064	-0.024	0.000	IAPP
3376	-0.480	-0.304	-0.535	-0.249	IARS
338	0.000	0.000	0.000	0.000	APOB

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
3381	0.042	0.225	0.124	0.143	IBSP
3382	-0.015	-0.298	-0.172	-0.224	ICA1
3383	-0.344	-2.800	-3.375	0.228	ICAM1
3384	0.186	-1.196	-1.054	0.044	ICAM2
3385	0.050	1.658	1.097	0.611	ICAM3
3386	-0.366	-1.372	-1.744	0.006	ICAM4
338645	0.011	-0.011	0.000	0.000	LUZP2
339	-0.009	-0.002	0.183	-0.193	APOBEC1
339044	-0.599	-0.636	-1.563	0.328	PKD1P1
339105	0.359	-0.577	-0.096	-0.121	PRSS53
339229	-0.295	1.508	0.581	0.632	OXLD1
339287	-0.272	0.833	0.465	0.097	MSL1
339290	0.017	0.069	0.348	-0.262	LINC00667
3394	0.268	-0.661	-0.469	0.076	IRF8
339448	-0.004	0.035	0.433	-0.403	C1orf174
339457	0.000	0.017	0.010	0.007	C1orf222
339479	-0.006	4.765	3.323	1.436	FAM5C
3396	-0.572	1.336	0.629	0.135	ICT1
3397	-0.067	-0.014	-0.276	0.195	ID1
3398	0.122	-1.351	-1.299	0.071	ID2
3399	0.084	-1.562	-2.804	1.327	ID3
34	-0.526	1.508	1.176	-0.194	ACADM
3400	0.125	-0.558	-0.883	0.450	ID4
340351	-0.009	0.458	-0.009	0.458	AGBL3
340591	0.045	-0.240	-0.257	0.063	CA5BP1
341	-0.314	0.239	-0.349	0.274	APOC1
3416	-0.944	1.662	0.992	-0.274	IDE
3417	-0.578	3.121	2.892	-0.350	IDH1
3418	-0.477	-0.273	-0.708	-0.042	IDH2
3419	0.050	-0.364	-0.399	0.085	IDH3A
3420	-0.093	-0.196	-0.431	0.140	IDH3B
3421	-0.120	0.143	-0.038	0.061	IDH3G
3422	0.188	-1.327	-1.427	0.288	IDI1
3423	0.014	-0.203	-0.026	-0.143	IDS
3425	0.000	0.000	0.047	0.000	IDUA
342538	-0.031	0.287	-0.033	0.289	NACA2
3426	0.101	2.975	2.986	0.090	CFI
3428	0.947	-1.248	-0.022	-0.238	IFI16
3429	-0.063	-2.328	-3.121	0.730	IFI27
343	0.000	0.073	0.000	0.073	AQP8
3430	-0.412	0.758	-0.164	0.510	IFI35
343071	-0.025	0.346	-0.010	0.331	PRAMEF10
3431	-0.229	1.018	0.537	0.024	SP110
3433	-0.346	-0.061	-0.407	0.000	IFIT2
3434	-0.082	3.514	1.254	2.178	IFIT1

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
3437	-0.059	0.240	-0.072	0.253	IFIT3
3439	0.010	-0.010	0.000	0.000	IFNA1
343990	-0.002	0.000	-0.002	0.000	KIAA1211L
344	0.000	0.045	0.000	0.045	APOC2
3440	0.038	-0.038	0.000	0.000	IFNA2
3441	-0.035	0.074	-0.035	0.074	IFNA4
3442	0.000	0.055	0.000	0.055	IFNA5
3443	0.005	0.086	0.000	0.091	IFNA6
3444	-0.026	0.000	0.025	-0.051	IFNA7
3445	-0.003	0.000	-0.003	0.000	IFNA8
3446	-0.003	0.162	0.006	0.153	IFNA10
3448	0.000	0.022	0.000	0.022	IFNA14
3449	0.001	0.004	0.000	0.004	IFNA16
345	0.000	0.000	0.000	0.000	APOC3
3451	0.000	0.012	0.000	0.012	IFNA17
3452	-0.007	0.000	-0.007	0.000	IFNA21
3454	0.108	-0.420	-0.014	-0.299	IFNAR1
3455	0.151	0.337	0.568	-0.080	IFNAR2
3456	0.017	-0.018	-0.001	0.000	IFNB1
3458	0.105	-0.122	-0.017	0.000	IFNG
3459	0.158	-0.681	-0.401	-0.122	IFNGR1
346	0.014	-0.009	0.000	0.005	APOC4
3460	-0.227	0.458	0.277	-0.047	IFNGR2
346157	0.000	0.000	0.000	0.000	ZNF391
346562	0.000	0.003	0.000	0.003	GNAT3
3467	0.000	0.011	0.000	0.011	IFNW1
347	0.428	1.825	0.969	1.284	APOD
347088	0.043	-0.021	0.048	-0.026	GPR144
347240	-0.024	0.000	-0.024	0.000	KIF24
347344	0.000	0.246	0.003	0.242	ZNF81
3475	-0.182	-3.165	-3.190	-0.157	IFRD1
3476	-0.035	-0.078	0.084	-0.198	IGBP1
347733	-0.075	-0.996	-0.926	-0.145	TUBB2B
347735	-0.004	0.253	0.138	0.110	SERINC2
347853	-0.002	0.017	-0.002	0.017	TBX10
3479	-0.035	0.016	-0.028	-0.002	IGF1
347902	-0.279	4.239	3.368	0.592	AMIGO2
348	0.208	1.552	0.790	0.970	APOE
3480	0.000	0.011	0.018	-0.874	IGF1R
3482	-0.190	-0.104	0.225	-0.519	IGF2R
3483	-0.038	0.000	-0.037	-0.001	IGFALS
3484	-0.008	0.000	0.309	-0.317	IGFBP1
3485	0.083	-0.710	-1.016	0.389	IGFBP2
3486	0.521	1.225	2.106	-0.360	IGFBP3
3487	-0.495	0.904	0.179	0.230	IGFBP4

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
3488	0.354	1.397	0.937	0.501	IGFBP5
3489	-0.122	1.297	0.865	0.310	IGFBP6
348995	-0.178	0.204	0.594	-0.569	NUP43
3490	0.779	1.757	1.382	1.154	IGFBP7
3491	-0.242	-3.872	-4.630	0.516	CYR61
349152	-0.062	0.071	-0.050	0.059	DPY19L2P2
3492	0.074	-0.109	-0.015	-0.020	IGH@
3493	0.000	-0.024	-0.014	0.002	IGHA1
3495	1.801	-2.173	-0.506	0.134	IGHD
35	-0.093	0.391	0.001	0.296	ACADS
350	-0.027	0.274	0.047	0.200	APOH
3500	-0.001	0.000	0.000	0.000	IGHG1
3507	-0.069	-0.050	-0.770	0.077	IGHM
3508	0.073	-0.091	0.030	-0.048	IGHMBP2
351	0.256	1.350	1.668	-0.062	APP
3512	1.519	-6.030	-4.509	-0.002	IGJ
3514	0.624	-2.429	-1.445	0.105	IGKC
3516	0.117	-0.479	-0.065	-0.297	RBPJ
352961	-0.073	0.006	-0.072	0.005	HCG26
353	-0.129	0.710	0.511	0.069	APRT
353189	0.036	0.138	-0.001	0.175	SLCO4C1
353299	0.005	-0.005	0.018	-0.018	RGSL1
3535	0.587	-0.705	-0.118	0.000	IGL@
353500	0.002	0.045	0.003	0.043	BMP8A
353514	0.000	0.000	0.000	0.000	LILRA5
354	0.001	0.043	0.000	0.044	KLK3
3543	0.000	-0.002	-0.002	0.000	IGLL1
3547	-0.926	-0.116	-1.042	0.000	IGSF1
3549	0.000	0.056	0.000	0.056	IHH
355	0.137	-1.990	-1.971	-0.028	FAS
3550	-0.392	-0.297	-0.260	-0.429	IK
3551	-0.419	-0.268	-0.563	-0.067	IKBKB
3552	0.088	-1.495	-1.291	-0.117	IL1A
3553	0.698	-3.877	-3.305	0.126	IL1B
3554	0.726	-2.563	-2.171	0.333	IL1R1
3556	0.891	-0.522	0.432	-0.063	IL1RAP
3557	-0.087	0.000	-0.213	0.000	IL1RN
3558	0.000	0.430	0.000	0.430	IL2
3559	0.039	-0.029	0.000	0.010	IL2RA
356	0.052	0.148	-0.002	0.201	FASLG
3560	0.297	-0.415	-0.119	0.001	IL2RB
3561	0.799	-2.715	-1.826	-0.089	IL2RG
3562	0.000	0.000	0.000	0.000	IL3
3563	-0.033	-0.850	-0.969	0.085	IL3RA
3565	0.000	0.054	0.000	0.054	IL4

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
3566	-0.184	-1.271	-1.095	-0.360	IL4R
3567	0.000	0.256	0.053	0.203	IL5
3568	-0.001	0.054	0.014	0.024	IL5RA
3569	0.944	-7.109	-7.133	0.968	IL6
357	-0.040	1.241	0.916	0.285	SHROOM2
3570	0.368	-4.326	-4.081	0.123	IL6R
3572	0.018	-3.112	-2.409	-0.391	IL6ST
3574	-0.021	0.081	0.278	-0.217	IL7
3575	2.703	-3.950	-1.436	0.190	IL7R
3576	0.030	-5.997	-5.957	-0.010	IL8
3577	0.000	0.013	0.000	0.013	CXCR1
3578	0.000	0.000	0.000	0.000	IL9
3579	0.094	0.114	0.090	0.117	CXCR2
358	0.348	1.431	0.962	0.817	AQP1
3581	0.012	0.165	0.012	0.165	IL9R
3586	0.000	0.163	0.000	0.163	IL10
3587	1.062	-1.044	-0.119	0.138	IL10RA
3588	-0.035	0.362	0.928	-0.602	IL10RB
3589	-0.275	0.519	0.300	-0.056	IL11
359	0.022	-0.022	0.107	-0.107	AQP2
3590	0.000	0.799	0.159	0.640	IL11RA
3592	0.117	-0.196	-0.098	0.019	IL12A
3593	0.000	0.000	0.080	-0.080	IL12B
3594	0.014	0.021	0.030	0.004	IL12RB1
3595	0.016	0.189	0.038	0.168	IL12RB2
3596	-0.109	0.233	-0.075	0.200	IL13
3597	-1.053	0.842	-0.336	-0.013	IL13RA1
3598	-0.948	-1.218	-2.177	0.011	IL13RA2
36	-1.015	-0.388	-1.404	0.002	ACADSB
360	-0.358	-1.850	-2.306	-0.069	AQP3
3600	-0.087	-0.154	0.208	-0.449	IL15
3601	0.721	-1.932	-0.703	-0.508	IL15RA
3603	0.001	0.117	0.015	0.102	IL16
3604	0.002	0.004	-0.008	0.013	TNFRSF9
3605	0.007	-0.007	0.000	0.000	IL17A
3606	0.085	0.680	1.493	-0.729	IL18
3607	0.048	-2.389	-1.790	-0.551	FOXK2
3608	0.364	-1.340	-1.081	0.104	ILF2
3609	-0.354	-1.158	-1.171	-0.370	ILF3
361	0.022	-0.018	0.000	0.000	AQP4
3611	0.166	0.435	0.374	0.227	ILK
3612	0.221	-0.939	-0.433	-0.285	IMPA1
3613	-0.758	-0.513	-1.019	-0.251	IMPA2
3614	-0.135	0.652	0.217	0.300	IMPDH1
3615	0.010	-0.701	-1.010	0.319	IMPDH2

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
3617	0.000	0.230	0.000	0.230	IMPG1
3619	0.062	0.134	0.000	0.196	INCENP
362	0.000	1.164	3.508	-2.344	AQP5
3620	0.812	-1.327	-0.742	0.227	IDO1
3621	-0.086	-2.185	-1.502	-0.078	ING1
3622	0.250	-0.461	0.080	-0.291	ING2
3623	-0.017	0.022	0.005	-0.001	INHA
3624	-0.192	1.308	0.597	0.519	INHBA
3625	-0.749	0.387	-0.041	-0.320	INHBB
3626	0.175	0.563	0.579	0.160	INHBC
3627	0.616	0.786	-0.443	1.845	CXCL10
3628	0.312	-1.589	-1.145	-0.133	INPP1
363	-0.010	0.017	0.001	0.006	AQP6
3630	0.000	0.000	0.016	-0.016	INS
3631	-0.003	0.009	-0.002	0.000	INPP4A
3632	0.042	0.615	0.799	-0.141	INPP5A
3633	0.009	0.013	-0.013	0.036	INPP5B
3635	-0.002	0.131	0.375	-0.246	INPP5D
3636	-0.182	0.708	0.370	0.156	INPPL1
3638	0.865	-3.789	-3.070	0.002	INSIG1
364	0.021	-0.082	-0.056	-0.005	AQP7
3640	0.000	0.159	0.003	0.156	INSL3
3641	-0.117	0.000	-0.117	0.000	INSL4
3642	0.004	0.567	0.000	0.570	INSM1
3643	0.358	-0.169	0.654	-0.466	INSR
3645	0.000	0.147	0.000	0.147	INSRR
3646	0.060	-0.422	-0.350	-0.013	EIF3E
3651	0.000	0.000	0.000	0.000	PDX1
3652	-0.364	0.823	0.438	0.021	IPP
3653	0.008	2.292	1.818	0.482	IPW
3654	-0.028	-0.154	-0.162	-0.019	IRAK1
3655	0.236	0.730	1.442	-0.477	ITGA6
3658	0.018	-0.129	0.088	-0.199	IREB2
3659	-0.074	-4.319	-3.914	-0.478	IRF1
366	-0.003	-0.086	-0.086	-0.003	AQP9
3660	-0.284	-0.091	-0.138	-0.237	IRF2
3661	-0.154	-0.103	-0.107	-0.150	IRF3
3662	0.000	0.000	0.000	0.000	IRF4
3663	-0.039	0.172	0.022	0.111	IRF5
3664	-0.040	-0.555	-1.016	0.421	IRF6
3665	-0.420	-0.663	-1.192	0.108	IRF7
3667	-1.992	0.789	-0.686	-0.516	IRS1
3669	0.107	-4.170	-3.649	-0.415	ISG20
367	-0.594	-0.092	-0.764	0.079	AR
3670	-0.098	-0.006	-0.104	0.000	ISL1

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
3671	-0.030	3.200	2.656	0.514	ISLR
3672	-0.075	0.077	0.072	-0.070	ITGA1
3673	-0.290	1.733	1.268	0.175	ITGA2
3674	0.000	0.000	0.000	0.000	ITGA2B
3675	-0.436	2.774	1.972	0.366	ITGA3
3676	0.062	1.031	0.553	0.541	ITGA4
3678	0.115	-1.907	-1.326	-0.466	ITGA5
3679	-0.019	0.157	-0.042	0.180	ITGA7
368	0.000	0.000	0.000	0.000	ABCC6
3680	0.022	0.593	0.188	0.428	ITGA9
3682	-0.251	2.310	2.037	0.021	ITGAE
3683	0.032	0.015	0.398	-0.351	ITGAL
3684	-0.303	-0.026	-0.334	0.005	ITGAM
3685	-0.359	2.792	1.898	0.534	ITGAV
3687	0.094	-0.192	0.011	-0.109	ITGAX
3688	-0.009	0.141	-0.007	0.050	ITGB1
3689	-0.304	3.611	4.143	-0.836	ITGB2
369	-0.135	-0.115	-0.243	-0.006	ARAF
3690	0.075	0.709	2.001	-1.162	ITGB3
3691	-0.838	2.846	2.048	-0.023	ITGB4
3692	-0.055	-0.862	-1.216	0.300	EIF6
3693	-0.028	1.286	1.972	-0.774	ITGB5
3694	-0.496	3.434	3.039	-0.101	ITGB6
3695	0.014	0.060	0.327	-0.253	ITGB7
3696	-0.032	-1.594	-1.090	-0.536	ITGB8
3697	0.000	0.000	0.000	0.000	ITIH1
3698	-0.253	0.000	-0.253	0.000	ITIH2
3699	0.000	0.000	0.000	0.000	ITIH3
37	-0.617	0.107	-0.942	0.432	ACADVL
3700	0.000	0.000	0.000	0.000	ITIH4
3702	1.011	-0.777	-0.031	0.264	ITK
3703	-0.035	-0.173	-0.487	0.279	STT3A
3704	-0.708	1.510	0.786	0.017	ITPA
3705	0.000	0.107	0.001	0.001	ITPK1
3706	0.145	0.009	-0.008	0.162	ITPKA
3707	0.702	-1.199	-0.383	-0.113	ITPKB
3708	-0.178	-1.506	-2.023	-0.130	ITPR1
3709	0.017	1.627	2.533	-0.426	ITPR2
3710	-0.268	0.158	-0.217	0.086	ITPR3
3712	-0.006	0.401	1.114	-0.719	IVD
3713	-0.251	5.158	5.135	-0.228	IVL
3714	0.068	0.213	0.296	-0.015	JAG2
3716	-0.243	-1.228	-1.119	-0.352	JAK1
3717	-0.160	0.004	-0.075	-0.081	JAK2
3718	0.001	-0.002	-0.001	0.000	JAK3

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
372	0.057	-1.045	-0.712	-0.277	ARCN1
3720	0.379	-0.406	0.424	-0.452	JARID2
3725	0.072	-3.374	-3.195	-0.205	JUN
3726	0.107	-2.273	-2.261	0.095	JUNB
3727	0.274	-4.027	-3.302	-0.009	JUND
3728	-0.130	0.460	-0.201	0.531	JUP
373	-0.118	-1.147	-0.620	-0.552	TRIM23
3730	-0.161	5.033	4.228	0.644	KAL1
373156	-0.482	2.195	1.567	0.146	GSTK1
3732	-0.053	0.565	0.242	0.270	CD82
3735	-0.107	-0.715	-0.707	-0.116	KARS
3736	0.000	0.012	0.000	0.012	KCNA1
3737	0.000	0.000	0.000	0.000	KCNA2
3738	-0.110	0.000	-0.108	-0.002	KCNA3
373863	0.019	0.246	0.267	-0.002	DND1
3739	0.000	0.000	0.029	-0.029	KCNA4
374	-0.336	0.453	0.096	0.021	AREG
3741	0.001	0.000	0.001	-0.001	KCNA5
3742	0.000	0.157	0.046	0.111	KCNA6
374286	-0.016	0.017	0.020	-0.007	CDRT1
374291	0.075	1.606	0.625	1.056	NDUFS7
374354	-0.121	1.861	1.979	-0.239	NHLRC2
374395	0.000	0.122	0.457	-0.336	TMEM179B
3744	0.009	0.066	0.000	0.076	KCNA10
3745	0.000	0.000	0.010	-0.010	KCNB1
3746	0.000	0.000	0.105	-0.105	KCNC1
374655	-0.112	0.096	0.116	-0.131	ZNF710
3747	0.108	0.148	-0.005	0.262	KCNC2
3748	0.000	0.174	0.039	0.135	KCNC3
374868	-0.233	0.923	0.811	-0.121	ATP9B
3749	-0.088	-0.043	-0.105	-0.026	KCNC4
374977	0.000	0.000	0.001	-0.001	HEATR8
375	0.064	-1.411	-1.550	0.203	ARF1
3750	0.002	0.153	0.000	0.155	KCND1
375035	0.043	0.405	0.528	-0.080	SFT2D2
375056	-0.184	0.106	-0.007	-0.072	MIA3
375057	0.000	0.000	0.001	-0.001	C1orf95
3751	0.049	-0.049	0.000	0.000	KCND2
3752	-0.031	0.000	-0.031	0.000	KCND3
375248	0.002	1.538	2.651	-1.111	ANKRD36
3753	0.000	0.000	0.000	0.000	KCNE1
375346	0.302	0.168	0.360	0.110	TMEM110
3754	0.025	0.443	0.042	0.427	KCNF1
375449	-0.481	-0.740	-1.215	0.104	MAST4
3755	-0.011	0.237	0.047	0.179	KCNG1

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
3756	-0.017	-0.003	-0.019	0.000	KCNH1
3757	0.013	0.223	0.000	0.235	KCNH2
375790	-0.164	1.417	1.124	0.000	AGRN
3758	0.006	-0.006	0.002	-0.002	KCNJ1
3759	0.685	-1.141	-0.260	-0.196	KCNJ2
3760	0.000	0.000	0.034	-0.034	KCNJ3
3761	0.000	0.054	0.000	0.054	KCNJ4
3762	-0.029	0.000	-0.036	0.003	KCNJ5
376267	-0.105	0.307	0.024	0.178	RAB15
3763	0.002	0.601	0.245	0.358	KCNJ6
3764	0.020	-0.353	-0.334	0.000	KCNJ8
376412	0.119	-0.199	-0.025	-0.054	RNF126P1
3765	0.000	0.149	0.048	0.101	KCNJ9
3766	0.000	0.165	0.000	0.165	KCNJ10
3768	0.000	0.208	0.001	0.207	KCNJ12
3769	0.000	0.014	0.003	0.010	KCNJ13
377	-0.365	0.567	-0.109	0.108	ARF3
3770	-0.363	0.058	-0.363	0.058	KCNJ14
3772	0.850	-0.456	-0.200	0.593	KCNJ15
3773	-0.008	0.000	-0.001	-0.006	KCNJ16
3775	0.171	-1.401	-0.795	-0.435	KCNK1
3776	-0.007	1.340	2.683	-1.349	KCNK2
3777	0.000	0.012	0.015	-0.004	KCNK3
3778	0.137	0.043	0.000	0.043	KCNMA1
3779	0.602	1.289	0.149	1.742	KCNMB1
378	0.008	-0.943	-1.011	0.076	ARF4
3780	0.000	0.339	0.090	0.249	KCNN1
3781	0.064	-0.822	-0.947	0.188	KCNN2
3782	0.000	0.000	0.000	0.000	KCNN3
3783	0.414	3.335	3.735	0.014	KCNN4
3784	0.000	0.052	0.283	-0.232	KCNQ1
3785	0.000	0.000	0.000	0.000	KCNQ2
3786	0.094	0.183	0.071	0.206	KCNQ3
3787	0.025	0.111	0.313	-0.178	KCNS1
379	-0.203	-0.212	-0.381	-0.035	ARL4D
3790	-0.080	1.686	2.414	-0.808	KCNS3
3791	-0.078	0.546	0.002	0.466	KDR
3792	0.000	0.000	0.000	0.000	KEL
3795	0.000	0.134	0.067	0.067	KHK
3796	-0.115	0.000	0.000	0.134	KIF2A
3797	-0.168	1.522	1.720	-0.367	KIF3C
3798	0.052	-0.052	0.000	0.000	KIF5A
3799	-0.078	-0.732	-0.269	-0.541	KIF5B
38	-0.069	-0.007	-0.435	0.359	ACAT1
3800	0.338	-0.581	-0.242	-0.001	KIF5C

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
3801	-0.020	-0.053	0.004	-0.076	KIFC3
3802	0.003	0.043	0.093	-0.047	KIR2DL1
3803	0.000	0.000	0.008	-0.008	KIR2DL2
3804	-0.014	0.003	-0.014	0.003	KIR2DL3
3805	-0.014	0.000	-0.014	0.000	KIR2DL4
3806	0.000	0.000	0.023	-0.023	KIR2DS1
3808	-0.008	0.000	-0.008	0.000	KIR2DS3
381	-0.075	0.965	0.522	0.367	ARF5
3810	0.000	0.000	0.003	-0.003	KIR2DS5
3811	0.000	0.321	0.000	0.321	KIR3DL1
3813	0.000	0.000	0.000	0.000	KIR3DS1
3814	0.060	-0.056	0.000	0.005	KISS1
3815	1.460	1.071	3.003	-0.472	KIT
3816	0.048	-0.059	-0.011	0.000	KLK1
3817	0.000	0.000	0.000	0.000	KLK2
3818	0.000	0.055	0.016	0.038	KLKB1
382	0.078	-1.299	-0.927	0.035	ARF6
3820	1.054	-1.126	-0.065	-0.007	KLRB1
3823	0.000	0.119	0.000	0.119	KLRC3
3824	-0.029	-0.050	-0.121	-0.002	KLRD1
3827	-0.002	0.122	-0.002	0.122	KNG1
383	0.000	0.000	0.053	-0.053	ARG1
3831	-0.024	-0.283	-0.547	0.275	KLC1
3832	-0.020	0.722	0.848	-0.146	KIF11
3833	0.000	0.015	0.176	-0.161	KIFC1
3834	0.000	0.002	0.005	-0.003	KIF25
3835	0.025	0.184	0.152	0.057	KIF22
3836	0.210	-2.346	-1.639	-0.452	KPNA1
3837	-0.012	-0.394	-0.262	-0.198	KPNB1
3838	-0.076	-1.826	-1.959	0.057	KPNA2
3839	0.027	-0.349	0.074	-0.396	KPNA3
384	1.251	-3.524	-2.167	-0.105	ARG2
3840	0.291	-2.323	-1.856	-0.176	KPNA4
3841	-0.380	-0.407	-0.917	0.131	KPNA5
3842	-0.245	-0.331	-0.145	-0.405	TNPO1
3843	-0.019	-1.455	-1.145	-0.270	IPO5
3845	-0.015	-0.285	-0.100	-0.062	KRAS
3846	0.000	0.000	0.000	0.000	KRTAP5-9
3848	0.000	0.000	0.000	0.000	KRT1
3849	0.000	0.000	0.000	0.000	KRT2
3850	0.000	0.000	0.000	0.000	KRT3
3851	0.002	0.021	0.000	0.023	KRT4
3852	0.588	0.831	0.453	0.966	KRT5
3853	-0.906	5.539	3.998	0.635	KRT6A
3854	0.293	1.177	1.150	0.320	KRT6B

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
3855	-0.251	1.031	0.836	-0.057	KRT7
3856	-0.345	0.391	-0.327	0.374	KRT8
3857	0.001	0.132	0.071	0.061	KRT9
3858	-0.249	-0.082	-0.140	-0.158	KRT10
3859	0.000	0.000	0.000	0.000	KRT12
3860	0.000	0.002	0.056	-0.054	KRT13
3861	0.582	1.251	0.513	1.320	KRT14
3866	0.484	1.647	1.999	0.132	KRT15
3868	0.185	-0.712	-0.850	0.323	KRT16
387	0.037	-0.297	-0.264	0.004	RHOA
387032	-0.156	0.339	0.376	-0.193	ZKSCAN4
387082	0.005	0.339	0.270	0.074	SUMO4
3872	-0.128	1.290	0.541	0.620	KRT17
387263	-0.003	-0.681	-0.533	-0.151	C6orf120
3875	-0.538	0.074	-0.511	0.046	KRT18
387509	0.062	0.843	1.370	-0.464	GPR153
387535	-0.011	-0.004	-0.009	-0.006	HCRP1
387707	-0.189	0.507	0.061	0.258	CC2D2B
387751	0.000	-0.003	-0.003	0.000	GVINP1
387893	-0.046	0.106	-0.047	0.107	SETD8
388	0.049	-2.730	-3.204	0.523	RHOB
3880	-0.110	0.488	0.567	-0.189	KRT19
3881	0.144	-0.097	-0.006	0.053	KRT31
3882	-0.002	0.150	-0.002	0.150	KRT32
3883	0.019	0.341	0.059	0.301	KRT33A
3884	-0.001	0.000	0.048	-0.048	KRT33B
3885	0.000	0.000	0.000	0.000	KRT34
388567	0.016	-0.117	-0.100	-0.001	ZNF749
388569	0.000	0.252	0.022	0.230	ZNF324B
3886	0.000	0.000	0.000	0.000	KRT35
388650	-0.963	0.272	-0.602	-0.089	FAM69A
388677	-0.392	1.486	0.999	0.095	NOTCH2NL
388699	0.000	0.033	0.034	-0.001	LINC00302
3887	-0.822	5.090	3.692	0.576	KRT81
388714	0.000	0.099	0.009	0.091	FMO6P
388796	0.053	-3.522	-3.015	-0.453	LOC388796
388886	-0.001	0.123	0.019	0.104	FAM211B
3889	0.000	0.292	0.002	0.290	KRT83
388969	-0.052	0.504	0.450	0.002	C2orf68
3890	0.000	0.000	0.000	0.000	KRT84
3891	0.001	0.016	0.000	0.017	KRT85
389136	-0.002	0.202	0.272	-0.072	VGLL3
389177	-0.088	-0.044	-0.127	-0.005	TMEM212
3895	-0.032	0.304	0.474	-0.289	KTN1
389538	-0.415	0.147	-0.102	-0.166	MGC72080

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389677	0.000	0.008	-0.007	0.001	RBM12B
3897	-0.022	1.148	1.257	-0.131	L1CAM
389715	0.000	0.000	0.000	0.000	FAM205B
3898	-0.012	0.833	0.554	0.267	LAD1
389856	-0.066	-0.023	-0.010	-0.079	USP27X
389898	0.172	-0.338	-0.218	0.052	UBE2NL
3899	-0.009	0.022	-0.009	0.022	AFF3
389906	-0.452	1.166	0.441	0.273	LOC389906
39	0.373	-0.522	-0.111	-0.038	ACAT2
390	-0.060	-2.142	-2.242	0.040	RND3
3902	-0.032	0.000	-0.029	-0.003	LAG3
3903	0.002	0.091	-0.001	0.094	LAIR1
3904	0.000	0.431	0.099	0.332	LAIR2
3906	2.203	-2.203	0.000	0.000	LALBA
390616	0.000	0.039	0.011	0.027	ANKRD34C
3908	0.393	-1.518	-0.914	-0.004	LAMA2
390892	0.087	-0.359	-0.048	-0.223	OR7A10
3909	-0.614	3.124	2.503	0.007	LAMA3
390940	-0.180	0.777	0.608	-0.010	PINLYP
390999	0.039	-0.014	0.001	0.024	PRAMEF12
391	0.515	-1.756	-1.301	0.060	RHOG
3910	0.027	-0.233	-0.234	0.000	LAMA4
3911	-0.236	0.475	0.090	0.150	LAMA5
3912	1.334	1.899	3.054	0.179	LAMB1
3913	-0.418	1.990	1.798	-0.227	LAMB2
3914	-0.447	0.311	-0.047	-0.089	LAMB3
3915	0.190	-1.022	-0.797	-0.035	LAMC1
3916	-0.144	0.622	0.495	-0.031	LAMP1
391632	0.014	-0.057	0.015	-0.058	OR7E35P
3918	-0.033	1.055	1.127	-0.105	LAMC2
392	-0.138	0.348	0.126	0.174	ARHGAP1
3920	0.196	1.205	1.168	0.265	LAMP2
3921	0.137	-0.097	-0.125	0.165	RPSA
3925	0.186	0.479	0.365	0.301	STMN1
3927	-0.446	1.023	0.653	-0.075	LASP1
3929	-1.151	-0.058	-1.209	0.000	LBP
393	0.000	0.000	0.003	-0.003	ARHGAP4
3930	0.284	-1.037	-1.153	0.399	LBR
3931	0.067	-0.180	-0.121	0.008	LCAT
3932	0.096	-0.096	0.014	-0.014	LCK
3933	0.000	0.000	0.000	0.000	LCN1
3934	0.726	4.629	5.608	-0.253	LCN2
3936	0.220	-1.643	-1.656	0.233	LCP1
3937	0.175	-1.844	-1.736	0.066	LCP2
3938	-0.001	0.202	-0.001	0.202	LCT

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3939	0.267	-0.403	-0.184	0.048	LDHA
394	0.233	0.607	0.786	0.054	ARHGAP5
3945	0.336	-0.227	0.172	-0.063	LDHB
3948	-0.145	-0.054	-0.106	-0.093	LDHC
3949	0.277	-2.209	-1.500	-0.320	LDLR
395	0.346	-0.413	-0.092	0.025	ARHGAP6
3950	-0.001	0.476	0.023	0.453	LECT2
3952	0.000	0.000	0.016	-0.016	LEP
3953	-0.344	-0.085	-0.248	-0.074	LEPR
3954	-0.033	0.143	-0.027	0.137	LETM1
3955	0.000	0.000	0.000	0.000	LFNG
3956	0.174	2.411	2.472	0.113	LGALS1
3957	-0.103	0.885	0.959	-0.177	LGALS2
3958	-0.127	0.827	0.816	-0.116	LGALS3
3959	-0.373	3.063	2.718	-0.027	LGALS3BP
396	-0.157	-0.635	-0.708	0.001	ARHGDIA
3960	0.013	0.269	0.022	0.260	LGALS4
3964	0.107	-0.562	-0.248	-0.212	LGALS8
3965	-0.489	0.288	-0.539	0.338	LGALS9
397	0.308	1.692	2.149	-0.149	ARHGDIB
3972	-0.191	0.000	-0.191	0.000	LHB
3973	0.001	-0.001	0.000	0.000	LHCGR
3975	0.011	-0.011	0.001	-0.001	LHX1
3976	0.687	-0.350	0.405	-0.068	LIF
3977	0.148	-1.166	-1.103	0.085	LIFR
3978	0.007	0.264	0.606	-0.335	LIG1
398	0.008	-0.017	0.067	-0.076	ARHGDIG
3980	-0.065	-0.485	-0.485	-0.065	LIG3
3981	-0.508	-0.866	-1.607	0.234	LIG4
3982	0.021	-0.031	-0.010	0.000	LIM2
3983	0.030	-0.440	0.352	-0.761	ABLIM1
3984	0.000	0.000	0.000	0.000	LIMK1
3985	-0.101	1.549	0.976	0.273	LIMK2
3987	0.272	0.315	0.583	0.003	LIMS1
3988	-0.325	1.826	1.061	0.440	LIPA
399	1.086	-1.251	-0.168	0.003	RHOH
3990	0.000	0.000	0.005	-0.005	LIPC
3991	-0.008	-0.029	-0.031	-0.007	LIPE
3992	0.250	-0.128	0.010	0.094	FADS1
3993	-0.631	0.623	0.041	-0.049	LLGL2
399491	-0.600	-0.627	-1.485	0.259	LOC399491
3995	-0.240	-0.316	-1.063	0.508	FADS3
3996	-0.001	0.038	0.073	-0.035	LLGL1
399664	0.033	-0.209	-0.352	0.176	MEX3D
399665	-0.554	0.162	-0.374	-0.018	FAM102A

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
3998	0.102	-1.681	-1.077	-0.503	LMAN1
399818	-0.003	0.000	-0.003	0.000	METTTL10
399979	-0.476	0.562	0.648	-0.561	SNX19
40	-0.001	0.068	0.108	-0.041	ASIC2
400	-0.017	-0.028	0.211	-0.259	ARL1
4000	0.103	-0.589	-0.799	0.263	LMNA
400084	0.000	0.093	0.007	0.086	LOC400084
4001	0.164	0.071	0.375	-0.140	LMNB1
4004	0.000	0.082	0.000	0.082	LMO1
400410	0.001	0.240	0.651	-0.410	ST20
400451	-0.070	0.008	0.089	-0.102	FAM174B
4005	0.380	-1.502	-1.382	0.261	LMO2
400506	0.113	0.543	0.729	-0.072	C16orf88
4007	0.031	-0.376	-0.312	-0.033	PRICKLE3
4008	-0.006	0.000	0.155	-0.161	LMO7
400949	-0.310	-0.271	-0.307	-0.274	FKSG49
400961	0.181	-0.168	0.007	0.005	PAIP2B
401	0.102	-0.102	0.000	0.000	PHOX2A
4010	0.000	0.064	0.059	0.005	LMX1B
4012	-0.130	-0.102	-0.037	-0.196	LNPEP
4013	0.131	1.096	1.947	-0.720	VWA5A
4014	0.000	0.000	0.000	0.000	LOR
4015	1.536	-3.362	-1.902	-0.072	LOX
4016	-0.233	4.523	3.542	0.749	LOXL1
401630	0.001	-0.001	0.000	0.000	FAM224A
4017	0.000	0.076	0.000	0.076	LOXL2
4018	0.000	0.206	0.000	0.206	LPA
402	0.205	-0.162	0.173	-0.130	ARL2
402055	0.341	-0.283	0.141	-0.083	SRRD
4023	0.661	-2.575	-2.220	0.306	LPL
4025	0.000	0.020	0.004	0.016	LPO
4026	-0.051	-1.062	-0.918	-0.195	LPP
403	-0.108	0.713	0.563	0.041	ARL3
4033	0.063	-0.063	0.000	0.000	LRMP
4034	0.000	-0.016	-0.068	0.012	LRCH4
4035	0.025	0.071	-0.001	0.096	LRP1
4036	-0.096	-0.573	-0.502	-0.167	LRP2
4037	-0.298	-0.045	-0.337	-0.006	LRP3
4038	0.629	-0.027	0.145	0.457	LRP4
4040	-0.018	0.552	0.862	-0.328	LRP6
404093	-0.101	-0.036	-0.139	0.003	CUEDC1
4041	-0.323	0.596	0.324	-0.050	LRP5
404281	-0.010	0.302	0.056	0.236	YY2
4043	-0.250	1.194	0.955	-0.012	LRPAP1
4045	0.000	0.011	0.065	-0.055	LSAMP

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
4046	0.004	0.155	-0.014	0.172	LSP1
404672	-0.726	2.643	1.921	-0.004	GTF2H5
4047	0.429	-0.602	-0.333	0.027	LSS
4048	0.148	0.319	0.552	-0.085	LTA4H
4049	0.000	0.023	0.002	0.021	LTA
405	-0.013	-0.136	-0.212	0.019	ARNT
4050	0.164	-0.296	-0.126	-0.006	LTB
4051	-0.050	0.076	-0.051	0.077	CYP4F3
4052	-0.420	3.468	2.777	0.271	LTBP1
4053	-0.272	4.924	4.533	0.119	LTBP2
4054	-0.430	3.758	3.729	-0.401	LTBP3
4055	0.301	-0.365	-0.011	-0.053	LTBR
4056	0.156	0.194	0.228	0.121	LTC4S
4057	-0.137	1.205	1.255	-0.187	LTF
4058	0.020	-0.020	0.000	0.000	LTK
4059	-0.190	0.346	0.034	0.123	BCAM
406	0.478	-1.493	-0.789	-0.226	ARNTL
4060	1.390	-2.309	-0.237	-0.682	LUM
4061	-0.391	3.745	3.215	0.139	LY6E
4062	0.000	0.000	0.000	0.000	LY6H
4063	-0.097	0.034	-0.113	0.051	LY9
4064	0.000	0.171	0.037	0.133	CD180
4065	-0.664	4.657	3.397	0.595	LY75
4066	0.125	-0.122	-0.002	0.005	LYL1
4067	0.858	-1.573	-0.329	-0.362	LYN
4068	0.016	-0.016	0.000	0.000	SH2D1A
4069	1.066	2.231	4.822	-1.525	LYZ
407	-0.007	-0.003	-0.010	0.000	ARR3
4070	-0.032	-0.242	-0.037	0.076	TACSTD2
4071	0.008	-1.436	-1.488	0.060	TM4SF1
4072	-0.045	1.223	1.424	-0.246	EPCAM
4074	-0.171	0.196	0.187	-0.161	M6PR
4076	-0.386	0.125	-0.076	-0.185	CAPRIN1
4077	-0.218	0.676	0.615	-0.158	NBR1
408	0.059	-0.258	-0.113	0.004	ARRB1
408050	0.000	0.000	0.009	-0.009	NOMO3
4081	0.002	-0.003	-0.001	0.000	MAB21L1
4082	0.163	-0.715	-0.377	-0.016	MARCKS
4084	-0.248	-2.980	-3.261	0.033	MXD1
4085	0.273	0.412	1.076	-0.391	MAD2L1
4086	-0.042	0.381	0.865	-0.526	SMAD1
4087	0.007	-0.564	-0.242	-0.258	SMAD2
4088	-0.613	-1.456	-1.778	-0.138	SMAD3
4089	-0.085	-0.856	-0.679	-0.262	SMAD4
409	-0.030	0.286	0.547	-0.292	ARRB2

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
4090	-0.064	-1.210	-1.115	-0.160	SMAD5
4091	0.000	0.123	0.001	0.009	SMAD6
4092	0.087	-1.021	-1.251	0.318	SMAD7
4093	0.010	0.084	0.131	-0.036	SMAD9
4094	-0.179	0.467	0.247	0.115	MAF
4097	0.038	-2.889	-2.841	-0.010	MAFG
4099	-0.021	0.084	0.067	-0.005	MAG
41	0.010	0.097	0.074	0.033	ASIC1
410	-0.002	0.405	0.223	0.180	ARSA
4100	0.000	0.134	0.000	0.134	MAGEA1
4102	0.512	-0.536	-0.024	0.000	MAGEA3
4103	0.002	-0.003	-0.001	0.000	MAGEA4
4104	0.001	-0.001	0.000	0.000	MAGEA5
4105	0.283	-0.325	-0.050	0.008	MAGEA6
4107	0.000	0.007	0.000	0.007	MAGEA8
4109	0.000	0.056	0.073	-0.017	MAGEA10
411	0.000	0.000	0.035	-0.035	ARSB
4110	0.000	0.000	0.000	0.000	MAGEA11
4111	0.005	-0.005	0.000	0.000	MAGEA12
4112	0.000	0.000	0.000	0.000	MAGEB1
4113	0.000	0.134	0.059	0.074	MAGEB2
4114	0.039	0.136	-0.004	0.179	MAGEB3
4115	-0.062	0.319	-0.062	0.319	MAGEB4
4116	0.068	-1.153	-1.389	0.304	MAGOH
4117	0.362	-3.080	-2.633	-0.085	MAK
4118	-0.201	1.724	1.206	0.317	MAL
412	0.030	2.610	4.366	-1.664	STS
4121	0.212	-0.392	0.023	-0.203	MAN1A1
4122	-0.323	0.654	0.740	-0.409	MAN2A2
4123	-0.002	0.045	0.050	-0.008	MAN2C1
4124	-0.228	-0.408	-0.419	-0.218	MAN2A1
4125	-0.214	0.974	0.285	0.475	MAN2B1
4126	-0.339	2.012	1.945	-0.272	MANBA
4128	-0.509	-2.396	-2.976	0.153	MAOA
4129	-0.048	3.469	3.831	-0.410	MAOB
4130	0.000	0.000	0.005	0.000	MAP1A
4131	-0.035	0.459	0.355	0.069	MAP1B
4133	0.420	-1.550	-1.027	-0.103	MAP2
4134	-0.138	0.318	-0.004	0.083	MAP4
4137	0.064	-0.680	-0.617	0.015	MAPT
4139	0.497	-0.434	-0.066	0.129	MARK1
414	-0.082	0.369	0.210	0.077	ARSD
4140	-0.169	-0.626	-0.499	-0.296	MARK3
4141	-0.300	-1.335	-1.666	0.031	MARS
4142	-0.005	0.000	0.113	-0.118	MAS1

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
4143	0.000	0.000	0.000	0.000	MAT1A
4144	-0.274	0.590	-0.336	0.211	MAT2A
4145	0.114	-0.097	0.013	0.004	MATK
4146	0.060	-0.035	-0.007	0.032	MATN1
4147	-0.222	1.270	-0.031	1.079	MATN2
414771	-0.110	0.017	-0.108	0.014	DDR1-AS1
4148	-0.788	0.078	-0.788	0.078	MATN3
4149	0.187	-1.676	-1.253	-0.227	MAX
414918	0.004	0.016	0.000	0.020	FAM116B
415	0.000	0.000	0.174	-0.174	ARSE
4150	-0.092	0.761	0.562	0.107	MAZ
4151	0.114	-0.252	-0.130	-0.007	MB
4152	-0.105	-1.344	-1.267	-0.182	MBD1
4153	-0.011	0.000	-0.011	0.000	MBL2
4154	0.060	-0.116	-0.213	0.101	MBNL1
4155	-0.054	0.000	-0.049	-0.065	MBP
4157	0.011	-0.057	-0.025	-0.022	MC1R
4158	0.000	0.000	0.000	0.000	MC2R
4159	0.000	0.195	0.000	0.195	MC3R
416	0.000	0.000	0.000	0.000	ARSF
4160	0.000	0.000	0.000	0.000	MC4R
4161	0.000	0.085	0.047	0.039	MC5R
4162	0.579	0.371	0.688	0.236	MCAM
4163	0.234	-0.236	0.185	-0.186	MCC
4168	0.000	0.000	0.000	0.000	MCF2
417	-0.035	0.112	0.067	0.010	ART1
4170	0.347	-2.895	-2.045	0.045	MCL1
4171	-0.094	0.176	-0.134	0.216	MCM2
4172	-0.424	0.662	0.243	-0.004	MCM3
4173	0.020	-0.243	-0.035	-0.108	MCM4
4174	0.213	-0.013	0.054	0.146	MCM5
4175	-0.068	0.455	0.549	-0.162	MCM6
4176	-0.111	-1.065	-0.948	-0.228	MCM7
4179	-0.148	-0.191	0.132	-0.262	CD46
4184	0.000	0.008	0.000	0.008	SMCP
4185	0.000	0.022	0.000	0.022	ADAM11
4188	0.018	0.354	0.619	-0.247	MDFI
4189	0.694	-3.446	-2.521	-0.231	DNAJB9
419	0.018	-0.018	0.251	-0.251	ART3
4190	-0.273	1.122	0.729	0.120	MDH1
4191	-0.165	0.391	0.538	-0.312	MDH2
4192	-0.851	2.260	0.897	0.511	MDK
4193	0.001	-0.043	0.000	0.017	MDM2
4194	-0.164	-0.280	-0.444	0.000	MDM4
4199	-0.474	0.204	-0.295	0.185	ME1

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
420	-0.038	0.000	-0.038	0.000	ART4
4200	-0.419	0.411	0.367	-0.362	ME2
4201	-0.115	1.422	1.289	0.017	MEA1
4204	-0.077	-0.123	0.148	-0.110	MECP2
4205	0.407	-0.529	-0.090	-0.032	MEF2A
4208	0.048	0.163	0.026	0.044	MEF2C
4209	0.196	-0.789	-0.588	-0.005	MEF2D
421	-0.006	0.152	0.044	0.103	ARVCF
4210	0.017	-0.062	0.006	-0.051	MEFV
4211	-0.012	1.479	1.055	0.412	MEIS1
4212	1.268	0.032	1.643	-0.343	MEIS2
4213	-0.348	-0.121	-0.563	0.094	MEIS3P1
4214	-0.223	-0.030	-0.513	0.259	MAP3K1
4215	-0.119	0.096	-0.220	0.197	MAP3K3
4216	0.265	-0.564	-0.338	0.038	MAP3K4
4217	-0.021	1.721	2.216	-0.516	MAP3K5
4218	0.213	-0.960	-0.595	-0.152	RAB8A
4221	-0.007	0.650	0.839	-0.196	MEN1
4222	-0.325	-0.509	-0.941	0.107	MEOX1
4223	0.016	0.031	0.000	0.047	MEOX2
4224	0.000	0.000	0.000	0.000	MEP1A
4225	-0.309	0.203	-0.196	0.090	MEP1B
4232	0.365	0.953	0.695	0.623	MEST
4233	-0.021	-1.021	-0.208	-0.599	MET
4234	-0.169	-0.383	-0.505	-0.046	METTL1
4236	0.055	-0.806	-0.718	-0.033	MFAP1
4237	0.145	5.508	4.532	1.121	MFAP2
4238	-0.028	-0.471	-0.205	-0.294	MFAP3
4239	0.611	-1.531	-0.921	0.000	MFAP4
4240	1.057	0.735	1.974	-0.182	MFGE8
4241	0.027	0.271	1.671	-1.372	MFI2
4242	0.032	-0.017	0.000	0.000	MFNG
4245	0.436	-1.906	-1.394	-0.076	MGAT1
4246	0.496	4.927	4.534	0.890	SCGB2A1
4247	0.211	-0.827	-0.469	-0.105	MGAT2
4248	-0.060	0.039	-0.067	0.046	MGAT3
4249	0.257	0.630	1.016	-0.130	MGAT5
4250	-0.601	3.304	2.836	-0.134	SCGB2A2
4253	0.046	0.319	0.177	0.188	CTAGE5
4254	0.284	-1.770	-1.353	-0.133	KITLG
4255	-0.181	1.971	1.291	0.500	MGMT
4256	-0.077	1.973	1.883	0.013	MGP
4258	0.702	1.033	1.884	-0.150	MGST2
4259	-0.718	2.263	1.696	-0.151	MGST3
4261	0.000	0.000	0.001	-0.001	CIITA

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
4267	-0.842	-0.053	-0.976	0.081	CD99
427	-0.958	3.079	2.231	-0.048	ASAH1
4277	-0.893	-1.228	-2.075	-0.046	MICB
4281	-0.095	2.088	1.177	0.751	MID1
4282	0.213	0.230	-0.042	0.485	MIF
4283	0.629	-0.603	0.054	-0.028	CXCL9
4284	0.011	0.065	0.076	0.000	MIP
4285	-0.153	0.914	0.700	0.061	MIPEP
4286	-0.732	0.174	-0.386	-0.173	MITF
4287	0.128	-0.358	0.006	-0.093	ATXN3
4288	0.002	0.274	0.296	-0.046	MKI67
4289	-0.031	-0.940	-1.106	0.135	MKLN1
429	0.000	0.000	0.000	0.000	ASCL1
4291	0.796	-4.527	-3.750	-0.133	MLF1
4292	-0.313	0.681	0.339	0.029	MLH1
4293	-0.015	0.023	0.103	-0.096	MAP3K9
4294	-0.049	0.000	-0.016	-0.033	MAP3K10
4295	0.000	0.000	0.000	0.000	MLN
4296	0.035	-0.474	-0.394	-0.044	MAP3K11
4297	-0.003	-0.877	-0.323	-0.399	MLL
4298	0.019	-0.019	0.000	0.000	MLLT1
4299	-0.110	-0.075	-0.185	0.000	AFF1
43	-0.027	-0.007	-0.014	0.000	ACHE
430	0.000	0.000	0.000	0.000	ASCL2
4300	-0.116	0.591	0.613	-0.138	MLLT3
4301	-0.162	-1.086	-1.333	0.000	MLLT4
4303	-0.006	0.118	0.179	-0.067	FOXO4
4306	-0.055	-0.349	-0.659	0.256	NR3C2
4308	-0.002	0.095	-0.002	0.095	TRPM1
4311	0.180	-1.325	-1.119	-0.027	MME
4312	0.437	-3.590	-2.715	-0.439	MMP1
4313	1.623	-1.092	0.496	0.035	MMP2
4314	0.890	-7.525	-6.943	0.308	MMP3
4316	0.689	2.775	2.989	0.474	MMP7
4317	0.003	0.173	0.110	0.065	MMP8
4318	-0.221	2.925	2.561	0.143	MMP9
4319	0.456	0.405	0.935	-0.074	MMP10
432	-0.018	0.000	-0.018	0.000	ASGR1
4320	-0.004	0.000	-0.004	0.000	MMP11
4321	1.606	-1.052	-0.585	1.139	MMP12
4322	0.056	3.625	2.749	0.932	MMP13
4323	0.192	0.678	0.675	0.211	MMP14
4324	-0.001	0.221	0.491	-0.271	MMP15
4325	0.004	0.176	0.045	0.159	MMP16
4326	-0.019	0.000	-0.017	-0.002	MMP17

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4327	0.337	-0.849	-0.546	0.034	MMP19
4329	-0.345	0.676	0.760	-0.259	ALDH6A1
433	0.000	0.000	0.000	0.000	ASGR2
4330	-0.143	0.126	0.216	-0.233	MN1
4331	0.070	-0.422	0.376	-0.728	MNAT1
4332	0.003	0.076	0.014	0.064	MNDA
4335	0.092	-0.084	0.096	-0.088	MNT
4336	0.009	0.406	0.135	0.279	MOBP
4337	-0.126	-0.230	-0.356	0.000	MOCS1
4338	0.024	1.257	1.368	-0.087	MOCS2
434	-0.003	0.007	-0.003	0.007	ASIP
4340	-0.004	0.098	0.000	0.036	MOG
4342	0.000	0.000	0.000	0.000	MOS
4345	0.916	-2.754	-2.456	0.618	CD200
435	0.081	0.719	0.501	0.299	ASL
4350	0.167	1.410	1.219	0.358	MPG
4351	0.044	0.026	0.144	-0.073	MPI
4352	-0.003	0.000	-0.003	0.000	MPL
4353	0.000	0.160	0.000	0.160	MPO
4354	0.053	0.028	0.112	-0.031	MPP1
4355	-0.020	0.032	-0.045	0.057	MPP2
4356	-0.217	-0.193	-0.407	-0.002	MPP3
4357	0.631	0.072	0.881	-0.178	MPST
4358	-0.511	1.186	1.228	-0.553	MPV17
4359	-0.152	0.643	0.576	-0.085	MPZ
4360	-0.167	-0.012	-0.187	0.008	MRC1
4361	-0.143	0.094	0.247	-0.297	MRE11A
4363	-0.219	-0.108	-0.414	0.087	ABCC1
438	0.034	0.099	0.000	0.133	ASMT
43847	-0.020	0.026	-0.020	0.026	KLK14
43849	0.000	0.107	0.119	-0.012	KLK12
439	-0.005	0.036	-0.370	0.400	ASNA1
439921	0.049	1.070	0.863	0.257	MXRA7
440	-0.265	-3.668	-3.462	-0.471	ASNS
440026	0.104	-0.519	-0.055	-0.360	TMEM41B
440073	0.000	0.083	0.021	0.063	IQSEC3
440193	-0.331	-0.159	-0.351	-0.138	CCDC88C
440270	-1.246	1.561	0.560	-0.246	GOLGA8B
440348	0.270	-0.415	-0.047	-0.099	NPIPL2
440352	0.171	-0.005	0.005	0.162	SNX29P2
440387	0.000	0.214	0.000	0.214	CTRB2
440423	-0.061	-0.055	-0.030	-0.086	SUZ12P1
440434	-0.277	-0.323	-0.209	-0.391	LOC440434
440515	-0.124	0.103	-0.044	0.023	ZNF506
440560	-0.028	0.171	-0.034	0.177	PRAMEF11

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
440738	0.006	-0.013	-0.007	0.000	MAP1LC3C
440792	0.007	0.051	0.000	0.059	LOC440792
440915	-0.038	-0.015	-0.051	-0.002	POTEKP
441024	0.140	-2.957	-2.653	-0.164	MTHFD2L
441151	0.000	0.000	0.000	0.000	TMEM151B
441204	-0.047	0.057	-0.047	0.057	LOC441204
441263	-0.289	0.428	0.183	-0.043	DTX2P1-UPK3BP1-PMS2P11
441601	-0.008	0.000	-0.008	0.000	LOC441601
442186	0.000	0.000	0.000	0.000	OR2J3
442194	0.000	0.000	0.000	0.000	OR10C1
442240	0.021	0.214	0.121	0.113	ZNF259P1
442421	-0.063	0.000	-0.063	0.000	PTGER4P2
443	0.121	-0.103	0.172	-0.153	ASPA
4430	-0.283	-1.484	-1.662	0.000	MYO1B
4435	-0.177	0.000	-0.108	-0.069	CITED1
4436	-0.452	1.621	1.993	-0.824	MSH2
4437	-0.089	0.537	0.671	-0.223	MSH3
4438	-0.023	0.019	-0.023	0.019	MSH4
444	-0.419	0.495	0.453	-0.545	ASPH
4440	-0.048	0.049	-0.018	0.019	MSI1
445	-0.432	0.569	0.092	0.045	ASS1
445347	0.000	0.000	0.000	0.000	TARP
4477	0.002	0.032	0.019	0.015	MSMB
4478	0.242	-1.387	-1.537	0.391	MSN
4481	-0.001	0.000	-0.001	0.000	MSR1
4482	0.158	0.355	0.774	-0.261	MSRA
4485	0.000	0.162	0.049	0.113	MST1
4486	-0.231	0.830	1.102	-0.503	MST1R
4487	0.868	-4.348	-3.609	0.129	MSX1
4488	-0.372	-0.315	-0.829	0.029	MSX2
4493	-0.279	-0.444	-1.078	0.355	MT1E
4494	0.409	-0.857	-1.236	0.788	MT1F
4495	0.175	-0.971	-1.095	0.299	MT1G
4496	0.375	-1.476	-1.790	0.688	MT1H
4499	-0.366	-2.449	-3.157	0.342	MT1M
4501	0.432	-2.109	-2.702	1.025	MT1X
4502	0.054	-1.371	-1.734	0.416	MT2A
4504	-0.005	-0.013	0.089	-0.107	MT3
4507	-0.020	0.134	-0.012	-0.039	MTAP
4520	0.000	-1.526	-1.664	0.137	MTF1
4521	0.010	0.033	0.158	-0.115	NUDT1
4522	-0.507	1.368	1.031	-0.170	MTHFD1
4524	0.000	0.044	0.008	0.027	MTHFR
4528	-0.382	1.419	1.203	-0.165	MTIF2
4534	-0.141	-0.947	-0.727	-0.361	MTM1

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
4542	0.005	0.057	0.045	0.017	MYO1F
4543	0.005	-0.005	0.001	-0.001	MTNR1A
4544	0.000	0.000	0.000	0.000	MTNR1B
4547	0.000	0.116	0.000	0.116	MTTP
4548	-0.044	0.919	0.843	0.032	MTR
4552	-0.235	-0.007	-0.220	-0.022	MTRR
4580	-0.010	0.367	0.262	0.095	MTX1
4582	-1.371	-0.261	-1.353	-0.119	MUC1
4583	0.005	0.239	0.027	0.216	MUC2
4584	0.009	0.077	0.039	0.026	MUC3A
4585	0.003	0.000	0.000	0.000	MUC4
4586	0.007	0.037	0.000	0.052	MUC5AC
4588	-0.026	0.005	0.083	-0.104	MUC6
4589	-0.414	0.066	-0.414	0.066	MUC7
4590	-0.053	0.181	-0.022	0.150	MUC8
4591	-0.140	1.046	0.848	0.058	TRIM37
4593	0.000	0.038	0.001	0.037	MUSK
4594	0.062	1.025	1.343	-0.256	MUT
4595	0.012	0.084	-0.052	0.148	MUTYH
4597	0.023	-0.035	-0.012	0.000	MVD
4598	-0.001	0.048	0.000	-0.001	MVK
4599	0.142	1.297	1.189	0.251	MX1
460	0.010	0.216	0.060	0.165	ASTN1
4600	-0.093	0.284	-0.147	0.337	MX2
4601	0.469	-1.840	-0.894	-0.477	MXI1
4602	-0.018	0.103	0.015	0.070	MYB
4603	-0.307	-0.586	-0.841	-0.051	MYBL1
4604	-1.404	-1.437	-2.916	0.075	MYBPC1
4605	0.033	0.246	0.023	0.256	MYBL2
4606	-0.005	0.000	-0.005	0.000	MYBPC2
4607	0.000	0.195	0.000	0.195	MYBPC3
4608	0.000	0.000	0.000	0.000	MYBPH
4609	0.485	-3.461	-2.775	-0.201	MYC
4610	0.179	-0.215	0.010	-0.046	MYCL1
4613	0.010	0.099	0.000	0.000	MYCN
4615	-0.315	1.872	1.422	0.136	MYD88
4616	-0.359	-4.365	-4.988	-0.023	GADD45B
4617	0.173	-0.005	0.007	0.161	MYF5
4618	0.000	0.000	0.029	-0.029	MYF6
4619	0.000	0.209	0.015	0.194	MYH1
462	0.000	0.000	0.000	0.000	SERPINC1
4620	0.000	0.083	0.027	0.055	MYH2
4621	0.070	-0.078	-0.009	0.001	MYH3
4622	-0.003	0.008	-0.003	0.008	MYH4
4624	0.004	-0.004	0.000	0.000	MYH6

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
4625	0.000	0.006	0.002	0.003	MYH7
4626	0.017	0.032	-0.009	0.057	MYH8
4627	-0.452	-0.883	-1.562	0.228	MYH9
4628	-0.201	0.475	0.716	-0.442	MYH10
4629	-0.092	-0.136	-0.561	0.442	MYH11
463	0.012	-0.063	-0.066	0.015	ZFHX3
4632	0.000	0.039	0.000	0.039	MYL1
4633	0.000	0.000	0.002	-0.002	MYL2
4634	0.000	0.000	0.000	0.000	MYL3
4635	0.000	0.328	0.030	0.237	MYL4
4636	-0.006	0.143	0.527	-0.390	MYL5
4637	-0.100	0.226	-0.031	0.157	MYL6
4638	0.207	3.010	2.175	1.042	MYLK
4640	0.064	0.025	0.084	0.005	MYO1A
4641	-0.157	1.167	0.885	0.124	MYO1C
4642	-0.474	2.556	1.706	0.376	MYO1D
4643	0.390	-0.752	-0.537	0.175	MYO1E
4644	-0.074	0.257	0.131	0.052	MYO5A
4646	-0.567	0.550	0.728	-0.436	MYO6
4647	0.000	0.015	0.000	0.000	MYO7A
4648	0.001	0.369	0.074	0.296	MYO7B
4649	-0.048	0.290	0.168	0.073	MYO9A
4650	0.166	-0.389	-0.121	-0.001	MYO9B
4651	-0.729	-0.579	-0.679	-0.629	MYO10
4653	0.040	0.105	-0.039	0.183	MYOC
4654	-0.006	0.000	-0.006	0.000	MYOD1
4656	0.005	-0.005	0.000	0.000	MYOG
4659	-0.042	-0.312	-0.176	0.154	PPP1R12A
466	0.409	-1.022	-0.377	-0.236	ATF1
4660	-0.005	-0.567	-0.466	-0.107	PPP1R12B
4661	0.079	0.062	0.004	0.137	MYT1
4664	0.287	-0.470	0.216	-0.399	NAB1
4665	0.066	-0.329	-0.239	-0.024	NAB2
4666	-0.032	-0.575	-0.291	-0.249	NACA
4668	0.073	0.879	0.907	0.044	NAGA
4669	-0.052	0.241	0.284	-0.095	NAGLU
467	0.195	-7.667	-7.347	-0.125	ATF3
4670	-0.171	-0.462	-0.786	0.153	HNRNPM
4671	-0.230	0.619	0.605	-0.216	NAIP
4673	0.120	-0.546	-0.172	-0.264	NAP1L1
4674	0.914	-1.729	-1.054	0.239	NAP1L2
4675	0.017	0.075	0.043	0.049	NAP1L3
4676	-0.020	0.471	0.311	0.140	NAP1L4
4677	-0.366	-0.037	-0.253	-0.150	NARS
4678	0.180	-1.275	-1.015	-0.079	NASP

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
468	-0.073	-2.116	-2.126	-0.063	ATF4
4680	-0.804	3.826	3.396	-0.374	CEACAM6
4681	0.077	-0.163	-0.389	0.303	NBL1
4682	0.009	-0.459	-0.324	-0.126	NUBP1
4683	-0.087	0.958	1.278	-0.480	NBN
4684	-0.001	0.202	0.312	-0.134	NCAM1
4685	-0.107	-0.009	-0.115	0.000	NCAM2
4686	-0.199	0.171	0.003	-0.031	NCBP1
4688	0.017	1.915	1.346	0.586	NCF2
4689	-0.030	0.129	0.005	0.093	NCF4
4690	0.791	-1.397	-0.640	0.034	NCK1
4691	-0.311	-1.141	-1.405	-0.047	NCL
4692	0.103	0.656	0.210	0.549	NDN
4693	-0.041	1.476	0.826	0.609	NDP
4694	-0.137	0.731	0.534	0.060	NDUFA1
4695	-0.062	0.813	0.779	-0.029	NDUFA2
4696	-0.327	1.858	1.114	0.418	NDUFA3
4697	-0.367	1.306	0.696	0.243	NDUFA4
4698	-0.104	0.353	0.223	0.026	NDUFA5
47	-0.123	-0.180	-0.154	0.012	ACLY
4700	0.110	-0.583	-0.304	-0.169	NDUFA6
4701	-0.070	1.158	1.057	0.031	NDUFA7
4702	-0.079	1.542	1.614	-0.151	NDUFA8
4703	0.003	0.090	0.063	0.030	NEB
4704	-0.197	0.548	0.322	0.029	NDUFA9
4705	-0.432	0.366	-0.046	-0.019	NDUFA10
4706	-0.111	0.505	0.437	-0.044	NDUFAB1
4707	-0.344	2.101	1.770	-0.013	NDUFB1
4708	-0.353	1.721	1.241	0.128	NDUFB2
4709	-0.350	1.930	1.521	0.059	NDUFB3
471	-0.636	1.137	0.337	0.163	ATIC
4710	-0.198	0.136	-0.035	-0.028	NDUFB4
4711	-0.229	1.586	1.595	-0.239	NDUFB5
4712	-0.098	0.770	0.706	-0.034	NDUFB6
4713	-0.150	1.005	0.629	0.226	NDUFB7
4714	0.135	0.323	0.422	0.036	NDUFB8
4717	0.001	0.558	0.589	-0.031	NDUFC1
4718	-0.151	0.971	0.561	0.259	NDUFC2
4719	-0.372	0.751	0.603	-0.225	NDUFS1
472	0.035	0.680	1.328	-0.578	ATM
4720	0.115	0.223	0.370	-0.033	NDUFS2
4722	-0.090	0.856	0.598	0.168	NDUFS3
4723	-0.230	0.649	0.185	0.234	NDUFV1
4724	0.029	0.662	0.704	-0.012	NDUFS4
4726	-0.200	1.094	0.716	0.178	NDUFS6

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
4728	-0.149	1.580	1.394	0.037	NDUFS8
4729	-0.322	-0.020	-0.437	0.095	NDUFV2
473	-0.169	0.077	-0.010	0.017	RERE
4733	-0.092	-0.483	-0.453	-0.122	DRG1
4734	-0.187	0.312	0.837	-0.711	NEDD4
4735	-0.280	0.778	0.549	-0.051	2-Sep
4736	0.078	-0.179	-0.114	0.013	RPL10A
4738	-0.262	1.556	1.015	0.280	NEDD8
4739	-0.732	-2.404	-3.184	0.049	NEDD9
474	0.000	0.000	0.000	0.000	ATOH1
4741	0.134	-0.539	-0.242	-0.163	NEFM
474344	0.562	-2.357	-1.737	-0.058	GIMAP6
4744	-0.051	0.004	-0.053	0.005	NEFH
4745	-0.055	0.000	-0.055	0.000	NELL1
4747	0.000	0.614	1.101	-0.330	NEFL
475	-0.130	1.937	1.506	0.301	ATOX1
4750	-0.034	0.223	0.352	-0.141	NEK1
4751	-0.007	0.092	0.022	0.062	NEK2
4752	-0.216	0.251	0.109	-0.074	NEK3
4753	0.010	0.227	-0.519	0.756	NELL2
4756	-0.233	0.070	-0.274	0.111	NEO1
4758	0.476	-2.222	-1.471	-0.275	NEU1
4759	0.016	-0.016	0.000	0.000	NEU2
476	0.056	0.161	0.376	-0.159	ATP1A1
4760	0.000	0.000	0.002	-0.002	NEUROD1
4761	0.000	0.049	0.000	0.049	NEUROD2
4762	0.000	0.078	0.000	0.078	NEUROG1
4763	-0.296	0.164	-0.220	-0.007	NF1
477	0.020	0.028	0.115	-0.067	ATP1A2
4771	-0.274	0.068	-0.030	0.000	NF2
4772	0.122	-1.725	-0.804	0.045	NFATC1
4775	0.012	0.040	0.028	-0.077	NFATC3
4776	0.011	-0.096	-0.074	-0.011	NFATC4
4778	0.000	0.000	0.000	0.000	NFE2
4779	-0.388	0.899	0.533	0.075	NFE2L1
478	0.057	-0.057	0.000	0.000	ATP1A3
4780	0.061	-1.466	-1.319	-0.086	NFE2L2
4781	0.397	1.437	1.665	-0.313	NFIB
4782	-0.214	-0.123	0.061	-0.398	NFIC
4783	0.111	-5.240	-4.203	-0.926	NFIL3
4784	0.006	2.935	1.069	1.871	NFIX
479	0.000	1.332	0.777	0.555	ATP12A
4790	0.093	-2.150	-2.157	0.101	NFKB1
4791	0.021	-0.669	-0.362	-0.169	NFKB2
4792	-0.247	-3.359	-3.858	0.253	NFKBIA

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
4793	0.073	-1.799	-1.446	-0.281	NFKBIB
4794	0.245	-3.126	-2.757	-0.125	NFKBIE
4795	0.064	-0.059	0.006	0.000	NFKBIL1
4796	0.003	-0.006	-0.003	0.000	TONSL
4798	-0.535	-0.301	-0.667	-0.169	NFRKB
4799	-0.375	-0.009	-0.604	-0.018	NFX1
48	0.380	-1.291	-0.401	-0.509	ACO1
4800	0.445	-2.402	-1.663	-0.252	NFYA
4801	0.753	-0.882	0.491	-0.601	NFYB
4802	0.187	-0.866	-0.308	-0.254	NFYC
4803	0.038	-0.038	0.000	0.000	NGF
4804	0.129	1.522	1.788	-0.137	NGFR
4807	0.009	-0.009	0.000	0.000	NHLH1
4808	-0.003	0.116	0.039	0.073	NHLH2
4809	0.122	-0.590	-0.717	0.250	NHP2L1
481	0.085	-0.083	0.349	-0.346	ATP1B1
4811	1.738	-2.031	-0.343	0.050	NID1
4814	0.245	-1.496	-0.337	-0.914	NINJ1
4815	0.000	0.000	0.000	0.000	NINJ2
4817	-0.334	1.074	0.631	0.109	NIT1
4818	-0.068	0.109	-0.075	0.116	NKG7
482	-0.101	-0.007	-0.113	0.006	ATP1B2
4820	-0.048	0.475	0.602	-0.179	NKTR
4821	0.000	0.000	0.000	0.000	NKX2-2
4824	0.363	-0.435	-0.004	-0.002	NKX3-1
4825	0.000	0.019	0.000	0.019	NKX6-1
4826	0.056	0.313	0.430	-0.061	NNAT
4828	0.676	-0.149	1.094	-0.567	NMB
4829	0.000	0.000	0.000	0.000	NMBR
483	0.391	0.007	0.473	-0.075	ATP1B3
4830	0.095	0.220	0.183	0.132	NME1
4832	-0.545	1.185	0.578	0.063	NME3
4833	0.399	0.868	1.408	-0.141	NME4
4835	-0.277	-0.921	0.221	-1.420	NQO2
4836	-0.036	-0.067	-0.180	-0.090	NMT1
4837	0.095	-1.419	-1.833	0.509	NNMT
4838	0.000	0.035	0.006	0.029	NODAL
4839	-0.402	-2.008	-2.525	0.115	NOP2
4841	0.017	-0.800	-0.807	-0.018	NONO
4842	0.003	0.083	0.076	0.010	NOS1
4843	-0.037	0.000	-0.037	0.000	NOS2
4846	-0.008	0.052	-0.008	0.052	NOS3
4848	0.444	-0.355	-0.120	0.274	CNOT2
4849	-0.121	-0.719	-0.666	-0.174	CNOT3
4850	0.018	-0.363	-0.613	0.000	CNOT4

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
4851	-0.053	0.466	0.322	0.091	NOTCH1
4852	0.005	2.718	3.575	-0.852	NPY
4853	-0.095	-0.596	-0.629	-0.021	NOTCH2
4854	-0.015	0.783	0.821	-0.053	NOTCH3
4855	0.057	-1.543	-1.694	0.208	NOTCH4
4856	0.205	0.983	0.405	0.782	NOV
4857	0.181	0.816	0.576	0.420	NOVA1
4858	-0.090	0.198	-0.070	0.178	NOVA2
486	0.037	0.001	0.002	0.036	FXVD2
4860	0.393	-3.238	-3.075	0.230	PNP
4861	0.014	0.084	0.014	0.084	NPAS1
4862	-0.021	-0.019	-0.071	-0.138	NPAS2
4863	-0.002	-0.212	0.011	-0.076	NPAT
4864	0.121	-1.394	-1.205	-0.069	NPC1
4867	0.092	-0.094	0.006	-0.008	NPHP1
4868	0.000	0.010	0.010	0.000	NPHS1
4869	-0.051	-0.760	-0.788	0.146	NPM1
487	0.000	0.011	0.000	0.011	ATP2A1
4878	0.000	0.000	0.000	0.000	NPPA
4879	-0.006	0.196	-0.002	0.193	NPPB
488	0.073	-0.627	-0.563	-0.007	ATP2A2
4880	0.000	0.000	0.000	0.000	NPPC
4881	0.042	-0.209	-0.166	-0.002	NPR1
4882	0.256	-0.368	-0.042	-0.070	NPR2
4883	-0.036	0.094	0.000	-0.042	NPR3
4884	0.128	-0.256	-0.050	-0.078	NPTX1
4885	-0.536	-1.586	-2.128	0.006	NPTX2
4886	-0.853	6.440	5.826	-0.238	NPY1R
4887	0.000	0.000	0.000	0.000	NPY2R
4888	0.068	0.101	0.023	0.146	NPY6R
4889	-0.021	3.388	4.185	-0.818	NPY5R
489	0.027	-0.001	0.006	0.014	ATP2A3
4891	0.876	-0.546	0.426	-0.254	SLC11A2
4892	0.000	0.000	0.000	0.000	NRAP
4893	0.203	-2.063	-1.440	-0.421	NRAS
4897	-0.180	-0.048	-0.265	0.037	NRCAM
4898	-0.313	0.603	0.605	-0.315	NRD1
4899	0.151	-1.062	-1.039	0.016	NRF1
49	-0.139	0.000	-0.139	0.000	ACR
490	0.116	-0.682	-0.198	0.017	ATP2B1
4900	-0.006	0.000	-0.006	0.000	NRGN
4901	0.001	0.000	0.047	-0.047	NRL
4902	0.042	-0.013	-0.001	0.029	NRTN
4904	0.038	0.000	-0.228	0.155	YBX1
4905	-0.401	0.853	0.761	-0.309	NSF

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
4907	-0.482	3.415	3.304	-0.371	NT5E
4908	0.669	-1.792	-1.101	-0.022	NTF3
491	0.000	0.007	0.000	0.093	ATP2B2
4913	-0.319	1.572	1.724	-0.471	NTHL1
4914	0.001	-0.001	0.023	-0.023	NTRK1
4915	0.295	1.540	2.012	-0.102	NTRK2
4916	-0.001	0.020	-0.001	0.020	NTRK3
4917	-0.179	0.000	-0.179	0.000	NTN3
4919	-0.071	0.273	0.820	-0.618	ROR1
492	0.000	0.116	0.000	0.116	ATP2B3
4920	0.169	-0.169	0.000	0.000	ROR2
4921	0.501	-1.189	-0.771	0.082	DDR2
4922	-0.947	-0.567	-1.551	0.037	NTS
4923	0.000	0.000	0.000	0.000	NTSR1
4924	-0.262	-0.155	-0.538	0.121	NUCB1
4925	-0.735	0.187	0.323	-0.872	NUCB2
4926	-0.207	0.015	0.137	-0.076	NUMA1
4927	-0.068	-0.660	-0.684	-0.044	NUP88
4928	0.136	-2.411	-1.898	-0.285	NUP98
4929	0.710	-3.736	-2.193	-0.833	NR4A2
493	0.138	0.451	0.663	0.000	ATP2B4
4931	-0.642	0.497	-0.128	-0.017	NVL
4935	-0.047	0.000	-0.037	-0.010	GPR143
4938	-0.037	3.285	3.056	0.192	OAS1
4939	-0.008	0.116	0.015	0.094	OAS2
4940	-0.176	1.160	1.401	-0.416	OAS3
4942	-0.059	0.872	1.130	-0.317	OAT
4946	-0.175	0.028	-0.292	0.144	OAZ1
4947	0.108	-0.314	-0.386	0.179	OAZ2
4948	0.050	-0.024	0.000	0.026	OCA2
495	0.002	-0.002	0.000	0.000	ATP4A
4951	0.000	0.000	0.003	-0.003	OCM2
4952	-0.068	-0.060	-0.156	0.028	OCRL
4953	-0.099	-2.458	-2.486	-0.072	ODC1
4956	-0.060	0.000	-0.012	-0.047	ODF1
4957	-0.225	-0.614	-0.736	-0.103	ODF2
4958	0.016	-0.071	-0.083	0.028	OMD
496	0.000	0.154	0.000	0.154	ATP4B
4967	-0.547	0.683	0.527	-0.391	OGDH
4968	-0.012	0.428	0.410	0.000	OGG1
4969	0.888	-1.286	-0.398	0.000	OGN
4973	0.052	-0.052	0.000	0.000	OLR1
4974	-0.006	0.000	-0.006	0.000	OMG
4975	0.000	0.000	0.000	0.000	OMP
4976	-0.032	0.048	0.080	-0.007	OPA1

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
4978	-0.049	0.161	-0.018	0.130	OPCML
498	-0.294	1.342	0.999	0.049	ATP5A1
4982	0.645	2.569	3.036	0.178	TNFRSF11B
4983	-0.743	-0.728	-1.416	-0.055	OPHN1
4985	0.000	0.007	0.000	0.007	OPRD1
49855	0.230	0.203	0.792	-0.184	SCAPER
49856	0.022	0.017	0.086	-0.047	WRAP73
4986	0.005	0.086	0.217	-0.126	OPRK1
49860	0.000	0.000	0.000	0.000	CRNN
4987	0.004	0.043	0.005	0.042	OPRL1
4988	0.000	0.000	0.003	-0.003	OPRM1
4990	0.000	0.000	0.055	-0.055	SIX6
4991	-0.002	0.081	-0.011	0.091	OR1D2
4992	0.000	0.000	0.007	-0.007	OR1F1
4993	0.000	0.000	0.000	0.000	OR2C1
4994	0.000	0.000	0.000	0.000	OR3A1
4995	0.000	0.048	0.000	0.048	OR3A2
4998	-0.081	0.009	-0.090	0.017	ORC1
4999	-0.405	-0.561	-0.696	-0.269	ORC2
50	-0.178	0.585	-0.059	0.467	ACO2
5000	0.027	-0.627	-0.225	-0.375	ORC4
5001	-0.540	0.352	0.235	-0.035	ORC5
5002	-0.615	2.334	1.542	0.178	SLC22A18
5003	0.000	0.156	0.011	0.145	SLC22A18AS
5004	-3.649	-0.169	-3.726	-0.092	ORM1
5007	0.110	-1.951	-2.021	0.180	OSBP
5008	-0.078	0.241	-0.060	0.223	OSM
5009	0.010	0.149	0.002	0.158	OTC
501	0.219	1.739	2.082	0.203	ALDH7A1
5010	-0.003	0.085	0.028	0.054	CLDN11
5016	-0.377	-1.076	-1.495	0.042	OVGP1
5017	0.124	-0.973	-0.728	-0.121	OVOL1
5018	-0.476	0.372	0.039	-0.143	OXA1L
5019	-0.104	1.740	1.463	0.173	OXCT1
5020	-0.001	0.224	0.026	0.198	OXT
5021	-0.853	0.513	-0.695	0.355	OXTR
5023	0.000	0.172	0.009	0.163	P2RX1
5024	-0.001	0.000	-0.001	0.000	P2RX3
5025	-0.646	0.065	-0.728	0.147	P2RX4
5026	0.001	0.234	0.000	0.235	P2RX5
5027	0.056	-0.011	0.012	0.033	P2RX7
5028	0.000	0.064	0.000	0.064	P2RY1
5029	0.128	-0.343	-0.290	0.075	P2RY2
5030	0.000	0.012	0.006	0.006	P2RY4
5031	0.000	0.010	0.066	-0.056	P2RY6

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
5033	0.362	-1.999	-1.121	-0.516	P4HA1
5034	-0.124	0.736	0.583	0.029	P4HB
5036	0.005	-0.306	-0.324	0.023	PA2G4
5037	-0.026	1.223	0.728	0.399	PEBP1
5042	0.085	0.079	0.236	-0.072	PABPC3
5045	0.074	1.660	1.374	0.360	FURIN
5046	0.001	-0.024	-0.001	0.008	PCSK6
5047	-0.083	0.145	0.225	-0.163	PAEP
5048	0.175	0.074	0.461	-0.234	PAFAH1B1
50485	0.037	0.935	1.778	-0.806	SMARCAL1
50486	0.858	-4.033	-3.521	0.345	G0S2
50487	-0.060	0.134	-0.060	0.134	PLA2G3
50488	0.062	-0.146	-0.086	0.002	MINK1
50489	-0.059	0.007	-0.064	0.012	CD207
5049	-0.055	-0.857	-0.466	-0.446	PAFAH1B2
5050	0.256	2.101	2.259	0.098	PAFAH1B3
50506	-0.004	0.029	0.058	-0.033	DUOX2
50507	0.000	0.621	0.704	-0.083	NOX4
50508	0.029	-0.029	0.000	0.000	NOX3
50509	0.000	0.180	0.013	0.167	COL5A3
5051	-0.109	0.605	0.395	0.101	PAFAH2
50512	0.000	0.071	0.000	0.071	PODXL2
50514	0.000	0.000	0.035	-0.035	1-Dec
50515	0.554	0.654	1.487	-0.278	CHST11
5052	-0.191	0.083	-0.316	0.208	PRDX1
5053	0.000	0.013	0.020	-0.007	PAH
5054	0.699	-1.222	-1.036	0.513	SERPINE1
5055	-0.506	2.151	1.371	0.274	SERPINB2
5058	0.121	-0.022	-0.051	0.150	PAK1
506	0.067	-0.182	-0.271	0.156	ATP5B
50613	0.000	0.000	0.000	0.000	UBQLN3
50615	0.025	-0.025	0.045	-0.045	IL21R
50616	0.049	0.286	0.001	0.334	IL22
50617	0.249	4.654	5.467	-0.564	ATP6V0A4
50618	-0.040	0.000	0.000	0.000	ITSN2
50619	0.060	-0.023	0.173	-0.135	DEF6
5062	-0.097	-1.246	-1.500	-0.335	PAK2
50624	0.041	-0.025	-0.006	0.022	CUZD1
50626	-0.068	-0.020	-0.109	0.020	CYHR1
50628	0.136	-1.210	-0.829	-0.244	GEMIN4
5063	0.290	-0.291	-0.007	0.006	PAK3
50632	0.000	0.000	0.000	0.000	CALY
5064	-0.204	0.020	-0.204	0.020	PALM
50649	0.000	0.044	0.003	0.000	ARHGEF4
50650	-0.206	0.446	0.344	-0.103	ARHGEF3

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
5066	-0.108	2.401	2.174	0.055	PAM
50674	-0.004	-0.001	-0.003	-0.002	NEUROG3
5068	0.000	0.000	0.000	0.000	REG3A
5069	0.130	1.194	1.916	-0.591	PAPPA
50700	0.000	0.017	0.000	0.017	RDH8
5071	0.000	0.000	0.000	0.000	PARK2
50717	-0.017	0.297	0.278	-0.006	DCAF8
5073	-0.418	1.459	1.248	-0.207	PARN
5074	-0.186	-0.647	-0.860	0.028	PAWR
5075	0.010	0.005	0.008	0.006	PAX1
5076	0.001	0.072	0.000	0.072	PAX2
5077	0.000	0.000	0.000	0.000	PAX3
5078	-0.024	0.130	-0.017	0.123	PAX4
5079	0.008	0.114	0.000	0.122	PAX5
5080	0.000	0.131	0.006	0.125	PAX6
50802	0.000	0.000	0.000	0.000	IGK@
50804	0.000	0.007	0.000	0.007	MYEF2
50805	-0.195	0.985	1.133	-0.343	IRX4
50807	-0.118	-1.703	-1.206	-0.615	ASAP1
50809	-0.184	-1.569	-0.824	-0.930	HP1BP3
5081	0.050	-0.034	0.004	0.012	PAX7
50810	-0.523	-0.035	-1.050	0.156	HDGFRP3
50813	-0.047	1.237	1.218	-0.029	COPS7A
50814	-0.043	-0.463	-0.478	-0.028	NSDHL
5082	0.085	-0.271	-0.217	0.031	PDCL
5083	-0.167	0.417	-0.176	0.425	PAX9
50831	0.000	0.188	0.000	0.188	TAS2R3
50832	0.019	0.131	0.003	0.146	TAS2R4
50833	0.001	0.065	0.001	0.065	TAS2R16
50834	0.000	0.000	0.000	0.000	TAS2R1
50835	0.000	0.052	0.017	0.035	TAS2R9
50836	0.000	0.011	0.000	0.011	TAS2R8
50837	0.000	0.000	0.000	0.000	TAS2R7
50838	0.000	0.000	0.000	0.000	TAS2R13
50839	0.000	0.079	0.000	0.079	TAS2R10
50840	0.002	-0.002	0.000	0.000	TAS2R14
50848	-0.199	-0.278	-0.278	-0.199	F11R
50852	0.223	-0.051	-0.042	0.214	TRAT1
50853	-0.006	0.009	0.089	-0.085	VILL
50854	0.202	-0.134	-0.356	0.424	C6orf48
50855	0.000	0.557	0.037	0.520	PARD6A
50856	0.055	-0.082	-0.052	0.024	CLEC4A
50859	-0.008	0.199	0.010	0.182	SPOCK3
50861	0.029	0.061	-0.001	0.091	STMN3
50862	-0.790	0.728	0.415	-0.477	RNF141

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
50863	0.017	1.260	2.026	-0.749	NTM
50865	0.054	-0.656	-0.391	-0.211	HEBP1
5087	-0.324	0.864	1.398	-0.230	PBX1
5089	0.126	0.174	0.192	0.173	PBX2
509	-0.081	0.859	0.711	0.087	ATP5C1
5090	-0.270	1.524	1.738	-0.484	PBX3
5091	0.000	0.331	0.035	0.296	PC
5092	0.165	0.251	0.610	-0.194	PCBD1
5093	-0.104	-1.110	-1.199	-0.015	PCBP1
50937	0.059	-0.090	-0.026	-0.005	CDON
50939	0.008	0.105	0.000	0.113	IMPG2
5094	0.084	-0.284	-0.164	-0.121	PCBP2
50940	0.097	0.128	0.054	0.171	PDE11A
50943	-0.023	0.000	0.006	-0.029	FOXP3
50944	0.024	0.038	-0.074	0.135	SHANK1
5095	-0.336	0.707	0.593	-0.222	PCCA
5096	-0.657	0.922	0.365	-0.100	PCCB
5097	0.101	0.038	0.102	0.037	PCDH1
5098	0.017	0.082	0.003	0.095	PCDHGC3
5099	0.000	0.152	0.102	0.057	PCDH7
50999	0.636	-2.289	-1.645	-0.008	TMED5
51	-0.037	0.206	0.179	-0.024	ACOX1
5100	0.072	-0.069	-0.001	0.005	PCDH8
51001	-0.209	0.630	0.699	-0.278	MTERFD1
51002	-0.280	0.280	0.041	-0.041	TPRKB
51003	0.042	-0.034	-0.183	0.191	MED31
51004	-0.075	0.125	0.224	-0.174	COQ6
51005	0.002	0.194	0.073	0.123	AMDHD2
51006	0.062	0.149	0.081	0.129	SLC35C2
51008	0.297	-0.660	0.003	-0.366	ASCC1
51009	-0.238	-0.833	-1.089	0.018	DERL2
5101	0.102	0.141	0.860	-0.617	PCDH9
51011	-0.257	1.289	0.759	0.273	FAHD2A
51012	0.119	-0.775	-0.302	-0.354	SLMO2
51013	0.071	-0.084	-0.012	0.000	EXOSC1
51014	0.042	-0.667	-0.495	-0.130	TMED7
51015	-0.270	-0.147	-0.664	0.248	ISOC1
51016	0.110	-0.457	-0.248	-0.099	EMC9
51018	-0.074	-0.435	-0.720	0.212	RRP15
51019	-1.024	3.356	2.561	-0.228	CCDC53
51020	-0.100	0.511	0.680	-0.269	HDDC2
51021	-0.704	1.438	0.408	0.326	MRPS16
51022	-0.294	-0.080	0.008	-0.383	GLRX2
51023	-0.094	0.023	-0.094	0.023	MRPS18C
51024	-0.283	1.833	1.060	0.490	FIS1

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
51025	-0.077	0.575	0.042	0.455	PAM16
51026	0.426	-1.776	-1.577	0.228	GOLT1B
51027	-0.137	0.323	0.086	0.101	BOLA1
51029	0.155	-0.688	-0.390	-0.142	DESI2
51030	0.006	-0.127	-0.077	-0.044	FAM18B1
51031	-0.340	1.199	0.816	0.043	GLOD4
51032	-0.002	-0.001	-0.002	0.000	CELA2B
51035	0.173	-0.496	-0.335	0.012	UBXN1
5104	-0.559	5.246	4.511	0.176	SERPINA5
51042	0.140	-1.004	-1.607	0.743	ZNF593
51043	0.000	0.013	0.000	0.013	ZBTB7B
51046	0.000	0.002	0.073	-0.072	ST8SIA3
5105	0.010	-0.010	0.054	-0.054	PCK1
51050	-0.896	-0.993	-1.906	0.018	PI15
51052	0.011	-0.012	-0.001	0.000	PRLH
51053	0.442	-1.053	-0.360	-0.252	GMNN
51054	-0.162	0.747	0.598	-0.014	PLEKHA8P1
51056	-0.266	0.898	0.823	-0.191	LAP3
5106	-0.785	-0.016	-0.513	-0.287	PCK2
51063	0.118	2.051	2.642	-0.472	CALHM2
51065	-0.643	2.379	1.629	0.107	RPS27L
51066	0.013	-0.176	-0.162	0.000	C3orf32
51067	0.106	-0.287	-0.143	-0.038	YARS2
51068	-0.078	-0.655	-0.800	0.067	NMD3
51069	-0.098	0.363	0.116	0.149	MRPL2
51070	-0.078	-0.234	-0.551	0.239	NOSIP
51071	-0.577	2.061	1.860	-0.377	DERA
51073	-0.450	-0.187	-0.646	0.009	MRPL4
51074	0.218	0.083	0.501	-0.201	APIP
51075	-0.176	-0.294	-0.431	-0.039	TMX2
51076	-0.013	-0.105	0.253	-0.372	CUTC
51077	-0.368	-0.007	-0.478	0.103	FCF1
51078	-0.307	0.208	-0.187	0.088	THAP4
51079	-0.313	1.333	1.090	-0.070	NDUFA13
5108	-0.386	0.228	-0.102	-0.156	PCM1
51081	-0.045	0.359	0.284	0.030	MRPS7
51082	-0.038	-0.725	-0.706	-0.056	POLR1D
51083	0.137	-0.416	-0.635	0.356	GAL
51084	-0.141	0.426	0.545	-0.260	CRYL1
51085	-0.045	0.170	0.099	0.027	MLXIPL
51086	0.000	0.000	0.000	0.000	TNNI3K
51087	0.000	0.394	0.021	0.373	YBX2
51088	-0.053	0.041	0.186	-0.198	KLHL5
51090	0.012	0.214	0.026	0.200	PLLP
51092	0.048	0.594	-0.007	0.649	SIDT2

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
51093	-0.045	0.390	0.175	0.170	RRNAD1
51094	0.140	-0.678	-0.674	0.136	ADIPOR1
51096	-0.139	-0.528	-0.517	-0.150	UTP18
51097	-0.503	1.031	0.477	0.051	SCCPDH
51098	-0.377	0.990	0.650	-0.036	IFT52
51099	0.177	0.182	0.524	-0.279	ABHD5
5110	-0.245	0.573	0.411	-0.105	PCMT1
51100	0.090	0.209	0.388	-0.089	SH3GLB1
51101	0.053	1.780	2.343	-0.510	ZC2HC1A
51102	-0.270	1.055	0.596	0.188	MECR
51103	-0.662	0.776	0.435	-0.320	NDUFAF1
51104	0.394	-1.477	-0.577	-0.506	FAM108B1
51105	0.115	0.014	0.294	-0.165	PHF20L1
51106	0.215	1.377	2.062	-0.470	TFB1M
51107	-0.223	0.255	0.123	-0.091	APH1A
51108	0.279	0.674	0.987	-0.034	METTL9
51109	0.063	0.936	1.096	0.027	RDH11
5111	-0.143	0.752	0.665	-0.056	PCNA
51110	-0.159	0.253	0.343	-0.250	LACTB2
51111	0.230	0.005	0.445	-0.210	SUV420H1
51112	-0.464	1.087	0.579	0.045	TRAPPC12
51115	-0.789	2.745	1.603	0.354	FAM82B
51116	0.195	-1.586	-1.406	0.015	MRPS2
51117	-0.853	1.887	0.710	0.325	COQ4
51118	-0.030	-1.386	-1.101	-0.315	UTP11L
51121	0.215	-0.262	-0.042	-0.005	RPL26L1
51123	0.153	-0.679	-0.706	0.180	ZNF706
51124	0.247	-0.227	0.657	-0.637	IER3IP1
51125	-0.122	-0.195	-0.558	0.240	GOLGA7
51127	0.080	0.193	0.000	0.273	TRIM17
51128	0.042	-1.324	-1.088	-0.194	SAR1B
51129	-0.320	-1.495	-1.138	-0.678	ANGPTL4
51131	-0.035	-0.030	-0.059	-0.007	PHF11
51133	-0.200	0.799	1.386	-0.787	KCTD3
51134	-0.218	0.056	0.177	-0.339	CCDC41
51135	-0.050	0.147	-0.053	0.150	IRAK4
51136	-0.236	0.273	0.336	-0.298	RNFT1
51138	-0.079	0.192	0.139	-0.026	COPS4
51141	0.322	0.376	1.373	-0.675	INSIG2
51142	-0.058	-0.531	-0.863	0.274	CHCHD2
51143	0.009	-0.338	0.135	-0.464	DYNC1LI1
51144	-0.104	1.347	1.475	-0.232	HSD17B12
51145	-0.001	0.000	0.000	-0.001	LOC51145
51146	0.000	0.000	0.141	-0.141	A4GNT
51147	0.051	0.938	0.777	0.213	ING4

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
51149	-0.120	0.458	0.484	-0.146	C5orf45
51150	-0.122	-0.030	-0.198	0.046	SDF4
51151	0.037	-0.037	0.000	0.000	SLC45A2
51152	-0.055	0.014	-0.072	0.030	LINC00328
51154	0.107	-1.702	-1.193	-0.402	MRTO4
51155	-0.141	0.036	-0.536	0.431	HN1
51156	0.089	0.049	0.155	-0.018	SERPINA10
51157	0.394	-0.075	0.579	-0.261	ZNF580
5116	-0.095	1.202	1.195	-0.087	PCNT
51160	-0.441	0.908	0.067	0.400	VPS28
51161	-0.071	1.010	0.366	0.572	C3orf18
51162	0.035	0.120	-0.001	0.155	EGFL7
51163	0.142	-1.419	-0.374	-0.903	DBR1
51164	-0.018	-1.592	-0.772	-0.839	DCTN4
51167	0.180	0.133	0.466	-0.153	CYB5R4
51168	0.001	0.220	0.000	0.220	MYO15A
51170	1.013	-3.423	-2.501	0.091	HSD17B11
51171	-0.028	-0.007	-0.034	-0.001	HSD17B14
51172	-0.148	0.244	0.208	-0.112	NAGPA
51174	-0.347	-0.382	-0.445	-0.285	TUBD1
51176	0.002	0.050	0.009	0.000	LEF1
51177	0.936	-3.157	-2.221	0.000	PLEKHO1
51179	-0.001	0.219	-0.004	0.222	HAO2
5118	0.449	-0.343	0.025	0.081	PCOLCE
51181	-0.412	-0.535	-0.803	-0.143	DCXR
51182	0.281	-1.542	-1.088	-0.174	HSPA14
51184	0.053	-0.396	0.017	-0.361	GPN3
51185	0.309	0.525	0.931	-0.097	CRBN
51186	0.465	-0.735	-0.628	0.358	WBP5
51187	-0.006	-1.557	-1.441	-0.123	RSL24D1
51188	0.200	-0.701	-0.681	0.180	SS18L2
5119	0.337	-0.485	-0.524	0.377	CHMP1A
51191	0.494	-0.843	-0.488	0.139	HERC5
51192	-0.054	3.033	3.418	-0.438	CKLF
51193	-0.096	0.001	-0.096	0.001	ZNF639
51195	0.031	-0.036	0.007	-0.013	RAPGEFL1
51196	0.008	0.107	0.535	-0.428	PLCE1
51198	0.000	0.000	0.000	0.000	C9orf53
51199	-0.006	0.198	-0.006	0.198	NIN
51200	0.052	1.273	0.858	0.467	CPA4
51202	-0.032	-1.994	-1.996	-0.030	DDX47
51203	-0.123	0.009	0.095	-0.208	NUSAP1
51204	0.442	-0.044	0.406	-0.008	TACO1
51205	-0.715	3.566	2.953	-0.102	ACP6
51206	0.059	-0.021	0.172	-0.134	GP6

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
51207	0.102	-0.137	-0.035	0.000	DUSP13
51208	0.000	0.000	0.000	0.000	CLDN18
5121	0.000	0.005	0.063	-0.059	PCP4
51213	-0.105	0.007	-0.052	-0.046	LUZP4
51214	0.000	0.121	0.001	0.120	IGF2-AS
51218	-0.375	0.224	-0.135	-0.016	GLRX5
5122	-0.005	-0.270	-0.314	0.039	PCSK1
51222	0.169	-0.352	-0.122	-0.062	ZNF219
51224	-0.001	0.084	0.064	0.019	TCEB3B
51226	-0.066	3.503	2.918	0.518	COPZ2
51227	0.254	1.663	1.672	0.246	PIGP
51228	0.348	-0.491	0.230	-0.374	GLTP
51230	0.057	-0.422	-0.182	-0.140	PHF20
51231	-0.240	-0.738	-0.680	-0.123	VRK3
51232	0.104	0.440	0.346	0.198	CRIM1
51233	-0.008	0.000	0.000	-0.008	C22orf43
51236	-0.285	0.181	-0.037	-0.067	FAM203A
51237	0.154	-0.175	-0.028	0.008	MZB1
51241	0.074	0.714	1.475	-0.687	COX16
5125	0.120	0.108	0.430	-0.216	PCSK5
51257	0.040	1.651	0.536	1.156	2-Mar
5126	0.000	0.000	0.000	0.000	PCSK2
51265	-0.055	-0.233	-0.260	-0.029	CDKL3
51266	0.001	-0.001	0.000	0.000	CLEC1B
51267	0.735	-1.430	-0.795	0.100	CLEC1A
51268	0.000	0.000	0.001	-0.001	PIPOX
5127	-0.064	-0.652	-0.982	0.265	CDK16
51270	0.028	-0.005	0.000	0.023	TFDP3
51271	0.436	-2.572	-2.058	-0.078	UBAP1
51272	-0.288	-0.236	-0.498	-0.027	BET1L
51274	0.412	-1.856	-1.542	0.097	KLF3
51275	0.349	-0.260	-0.013	0.102	MAPKAPK5-AS1
51276	0.114	-0.736	-0.496	-0.126	ZNF571
51278	-0.133	-2.372	-2.241	-0.264	IER5
51279	-0.591	2.327	1.881	-0.146	C1RL
5128	0.234	-2.198	-1.896	-0.068	CDK17
51280	-2.019	0.239	-1.040	-0.740	GOLM1
51281	-0.007	-0.012	0.186	-0.206	ANKMY1
51282	-0.039	0.444	0.134	0.271	SCAND1
51283	-0.460	0.203	0.042	-0.299	BFAR
51284	0.000	0.135	0.007	0.128	TLR7
51285	-0.022	0.016	0.048	-0.054	RASL12
51286	0.018	0.070	-0.011	0.098	CEND1
51287	-0.488	0.578	0.021	0.069	CHCHD8
51289	0.000	0.000	0.000	0.000	RXFP3

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
5129	-0.338	-0.519	-0.657	-0.199	CDK18
51290	0.104	0.763	1.185	-0.318	ERGIC2
51291	-0.122	0.315	0.062	0.132	GMIP
51292	-0.452	0.940	0.814	-0.326	GMPR2
51293	0.150	-0.021	0.114	0.015	CD320
51294	0.699	-0.713	-0.014	0.000	PCDH12
51295	0.127	-1.332	-1.589	0.385	ECSIT
51296	0.043	-0.052	-0.008	-0.001	SLC15A3
51297	0.009	-0.009	0.001	-0.001	BPIFA1
51298	0.000	0.000	0.000	0.000	THEG
51299	1.386	-2.893	-1.547	0.041	NRN1
513	0.111	0.808	0.642	0.277	ATP5D
5130	-0.460	-0.335	-0.915	0.120	PCYT1A
51301	-0.152	-0.020	-0.177	0.005	GCNT4
51302	-0.041	0.646	1.799	-1.194	CYP39A1
51303	0.258	-1.273	-0.977	-0.038	FKBP11
51304	-0.037	1.146	1.426	-0.316	ZDHHC3
51306	-0.226	0.530	0.515	-0.211	FAM13B
51307	0.707	-2.591	-1.735	-0.150	FAM53C
51308	0.000	0.000	0.094	-0.094	REEP2
51309	0.146	-1.071	-0.958	0.033	ARMCX1
51310	-0.006	0.015	0.074	-0.064	SLC22A17
51311	0.060	0.154	0.000	0.214	TLR8
51312	0.613	0.546	1.830	-0.671	SLC25A37
51313	0.163	0.815	0.636	0.343	FAM198B
51314	-0.001	0.000	-0.001	0.000	NME8
51315	-0.407	1.030	0.739	-0.116	KRCC1
51316	0.201	-0.190	0.000	0.011	PLAC8
51317	0.700	-1.023	-0.241	-0.082	PHF21A
51318	0.007	0.292	0.313	-0.015	MRPL35
51319	0.125	-0.171	0.250	-0.296	RSRC1
5132	0.000	0.000	0.000	0.000	PDC
51320	0.094	0.087	0.273	-0.092	MEX3C
51321	-0.438	2.128	1.772	-0.082	AMZ2
51322	0.057	-1.759	-1.466	-0.237	WAC
51324	-0.273	0.204	0.094	-0.163	SPG21
51326	-0.008	0.106	-0.008	0.106	ARL17A
51327	0.000	0.066	0.000	0.066	AHSP
51329	-0.053	1.057	0.522	0.481	ARL6IP4
5133	-0.014	0.000	0.088	-0.102	PDCD1
51330	0.172	-0.929	-0.771	0.014	TNFRSF12A
51332	-0.119	1.614	0.743	0.753	SPTBN5
51333	0.021	-0.028	0.000	0.016	ZNF771
51334	0.057	0.078	0.114	0.021	PRR16
51335	-0.011	-0.173	-0.103	-0.081	NGRN

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
51337	-0.047	0.555	0.356	0.153	THEM6
51338	0.091	-0.091	0.000	0.000	MS4A4A
51339	0.359	-0.348	-0.001	0.012	DACT1
5134	0.030	0.114	0.063	-0.006	PDCD2
51340	0.500	-1.614	0.161	-1.275	CRNKL1
51341	0.066	-0.018	0.024	0.013	ZBTB7A
51343	-0.038	-0.250	-0.223	-0.033	FZR1
51347	-0.033	0.202	0.462	-0.293	TAOK3
51348	0.000	0.024	0.001	0.023	KLRF1
51350	-0.001	0.070	0.001	0.067	KRT76
51351	-0.033	0.117	0.032	0.052	ZNF117
51352	0.010	0.311	0.008	0.313	WT1-AS
5136	0.158	-0.183	-0.024	0.000	PDE1A
51360	0.041	0.591	0.524	0.107	MBTPS2
51361	-0.267	-0.146	0.000	-0.413	HOOK1
51362	-0.418	0.139	-0.239	-0.039	CDC40
51363	-0.785	0.692	0.586	-0.679	CHST15
51364	0.009	-0.005	-0.002	0.006	ZMYND10
51365	0.248	-0.276	-0.028	0.000	PLA1A
51366	0.055	-0.756	-0.776	-0.092	UBR5
51367	-0.470	3.079	2.610	-0.002	POP5
51368	-0.468	1.268	0.714	0.086	TEX264
5137	-0.180	0.631	0.578	-0.127	PDE1C
51371	-0.217	-0.059	-0.370	0.095	POMP
51372	-0.097	0.593	0.401	0.095	TMA7
51374	-0.553	1.795	1.334	-0.092	ATRAID
51375	-0.247	2.728	2.738	-0.257	SNX7
51377	-0.135	-0.077	-0.083	-0.129	UCHL5
51378	0.000	0.000	0.000	0.000	ANGPT4
51379	0.101	-0.834	-0.468	-0.265	CRLF3
5138	0.118	-1.753	-1.590	-0.044	PDE2A
51380	0.048	0.412	1.216	-0.756	CSAD
51382	-0.130	0.133	-0.001	-0.039	ATP6V1D
51384	0.066	0.071	-0.003	0.140	WNT16
51385	0.000	0.002	0.044	-0.034	ZNF589
51386	-0.014	-0.164	-0.194	0.015	EIF3L
51388	0.083	-1.508	-1.208	-0.217	NIP7
51389	-0.015	0.194	0.151	0.028	RWDD1
5139	0.002	0.216	-0.003	0.221	PDE3A
51393	0.017	-0.017	0.000	0.000	TRPV2
51397	-0.300	1.002	0.813	-0.111	COMMD10
51398	-0.317	0.546	-0.039	0.267	WDR83OS
51399	-0.194	0.176	0.062	-0.080	TRAPPC4
514	-0.167	1.475	1.279	0.029	ATP5E
5140	0.000	0.000	0.000	0.000	PDE3B

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
51400	0.107	-0.189	-0.272	0.191	PPME1
51406	-0.001	-0.267	-0.123	-0.227	NOL7
51409	-0.170	0.829	0.099	-0.024	HEMK1
5141	-0.004	0.000	0.000	0.000	PDE4A
51411	0.000	0.000	0.002	-0.002	BIN2
51412	0.000	0.000	0.000	0.000	ACTL6B
5142	0.200	-0.833	-0.364	-0.151	PDE4B
51421	-0.258	-1.599	-1.737	-0.121	AMOTL2
51422	-0.211	-0.455	-0.427	-0.238	PRKAG2
51427	-0.593	0.212	-0.054	-0.327	ZNF107
51428	-0.209	-0.126	-0.239	-0.096	DDX41
5143	-0.059	0.000	-0.006	0.000	PDE4C
51430	0.252	-1.148	-0.637	-0.259	SUCO
51433	-0.464	1.524	0.812	0.071	ANAPC5
51435	0.038	-0.083	-0.055	0.009	SCARA3
51438	0.075	-0.037	0.016	0.021	MAGEC2
51439	0.243	1.044	1.376	-0.089	FAM8A1
5144	0.011	-0.086	-0.054	-0.020	PDE4D
51440	0.000	0.195	0.062	0.133	HPCAL4
51441	0.044	-0.810	-0.618	-0.148	YTHDF2
51442	-0.024	1.578	1.424	0.001	VGLL1
51444	0.179	-1.853	-1.610	-0.064	RNF138
51447	0.445	-1.543	-1.263	0.165	IP6K2
51449	-0.231	3.781	4.238	-0.689	PCYOX1
5145	0.000	0.000	0.000	0.000	PDE6A
51450	0.200	-0.200	0.000	0.000	PRRX2
51451	-0.108	0.819	0.759	-0.048	LCMT1
51454	-0.090	-0.080	0.037	-0.362	GULP1
51455	-0.188	-0.245	-0.293	-0.140	REV1
51458	0.085	-0.178	-0.082	-0.011	RHCG
5146	-0.006	0.000	0.132	-0.138	PDE6C
51460	-0.623	-1.300	-1.867	-0.057	SFMBT1
51465	0.567	-1.160	-0.399	-0.213	UBE2J1
51466	-0.490	0.397	0.127	-0.221	EVL
5147	-0.326	1.256	0.953	-0.022	PDE6D
51471	0.000	0.000	0.000	0.000	NAT8B
51474	-0.509	1.198	0.100	0.588	LIMA1
51475	0.000	0.172	0.078	0.093	CABP2
51477	0.108	0.987	0.888	0.207	ISYNA1
51478	0.356	-0.620	0.169	-0.433	HSD17B7
51479	-0.411	0.267	-0.153	0.009	ANKFY1
5148	0.000	0.000	0.000	0.000	PDE6G
51480	0.000	0.010	0.120	-0.110	VCX2
5149	0.000	0.000	0.000	0.000	PDE6H
51490	0.205	-0.719	-0.840	0.326	C9orf114

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
51491	0.331	-1.633	-1.840	0.538	NOP16
51493	-0.356	0.012	-0.452	0.108	C22orf28
51495	-0.181	-0.153	0.224	-0.558	PTPLAD1
51497	-0.186	-0.313	-0.536	0.037	TH1L
51499	-0.019	-0.106	-0.064	-0.060	TRIAP1
515	-0.081	0.616	0.621	-0.086	ATP5F1
51501	-0.365	1.208	0.903	-0.061	C11orf73
51504	-0.145	0.062	-0.199	0.116	TRMT112
51506	-0.187	0.301	0.263	-0.149	UFC1
51507	0.012	-0.476	-0.530	0.065	C20orf43
5151	0.568	-1.582	-0.445	-0.569	PDE8A
51510	-0.503	0.456	-0.034	-0.013	CHMP5
51512	-0.003	0.011	-0.003	-0.060	GTSE1
51513	0.047	-0.109	-0.103	0.042	ETV7
51514	0.172	0.936	1.450	-0.342	DTL
51517	0.000	0.000	-0.031	-0.002	NCKIPSD
5152	0.704	0.452	1.981	-0.825	PDE9A
51520	-0.036	0.133	0.400	-0.303	LARS
51526	0.416	-3.915	-3.280	-0.219	C20orf111
5153	0.057	-0.050	-0.003	0.009	PDE1B
51531	0.562	-1.423	-1.266	-0.046	C9orf156
51533	-0.001	0.023	-0.001	-0.002	PHF7
5154	0.357	0.131	0.592	-0.104	PDGFA
51540	0.000	0.118	0.009	0.000	SCLY
51542	-0.482	0.592	0.141	-0.030	VPS54
51547	-0.465	-0.312	-0.779	0.002	SIRT7
51548	-0.224	-0.165	-0.395	0.006	SIRT6
5155	-0.078	0.354	0.095	0.185	PDGFB
51550	0.009	0.159	0.282	-0.114	CINP
51552	-0.023	0.193	0.147	-0.101	RAB14
51554	-0.006	0.000	0.101	-0.108	CCRL1
51555	0.000	0.000	0.000	0.000	PEX5L
51557	-0.183	0.034	-0.188	0.040	LGSN
51559	-0.125	-0.053	-0.206	0.027	NT5DC3
5156	0.372	0.219	0.014	-0.109	PDGFRA
51560	0.052	-0.051	0.052	-0.052	RAB6B
51561	0.000	0.000	0.000	0.000	IL23A
51562	-0.058	-1.552	-1.401	-0.209	MBIP
51564	0.097	0.087	0.010	0.175	HDAC7
51566	0.038	-0.010	0.355	-0.326	ARMCX3
51567	-0.475	1.021	0.682	-0.137	TDP2
51569	0.389	-1.897	-1.303	-0.205	UFM1
5157	0.856	-0.914	-0.057	0.000	PDGFRL
51571	-0.082	-0.001	0.013	-0.093	FAM49B
51573	-0.470	1.237	1.330	-0.563	GDE1

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
51574	0.016	0.143	0.519	-0.360	LARP7
51575	-0.233	-0.647	-0.361	-0.520	ESF1
5158	-0.010	-0.001	0.017	-0.028	PDE6B
51581	0.004	-0.004	0.000	0.000	ERVH-6
51582	-0.104	-1.348	-1.022	-0.106	AZIN1
51585	0.071	-1.563	-1.210	-0.281	PCF11
51586	-0.296	-0.236	-0.622	0.091	MED15
51588	-0.222	-0.301	-0.278	-0.244	PIAS4
5159	0.995	-1.763	-0.924	0.156	PDGFRB
51592	-0.203	0.058	0.003	-0.098	TRIM33
51593	-0.208	-1.056	-1.092	-0.069	SRRT
51594	-0.182	0.732	0.668	-0.117	NBAS
51596	0.049	0.715	0.755	0.009	CUTA
51599	-0.130	1.797	1.607	0.060	LSR
516	-0.454	0.542	0.424	-0.336	ATP5G1
5160	0.199	-0.115	0.093	-0.009	PDHA1
51601	1.000	-1.552	0.001	-0.553	LIPT1
51603	-0.016	-0.295	-0.215	-0.204	METTTL3
51604	-0.774	1.398	1.241	-0.618	PIGT
51606	-0.308	0.585	0.353	-0.077	ATP6V1H
5161	0.000	0.047	0.000	0.047	PDHA2
51611	-0.088	0.533	0.564	-0.119	DPH5
51614	-0.004	0.463	0.360	0.099	ERGIC3
51616	-0.040	0.052	-0.040	-0.011	TAF9B
51617	0.000	0.000	0.002	-0.002	HMP19
51619	0.061	-0.010	0.028	0.000	UBE2D4
5162	-0.152	2.181	2.210	-0.182	PDHB
51621	0.058	0.176	-0.057	0.292	KLF13
51622	0.000	0.000	0.000	0.000	CCZ1
51626	-0.503	1.878	1.088	0.288	DYNC2LI1
5163	0.525	-2.123	-1.365	-0.234	PDK1
51631	-0.160	-0.720	-0.502	-0.378	LUC7L2
51634	0.104	-0.417	-0.214	-0.099	RBMX2
51635	0.123	0.219	0.485	-0.350	DHRS7
51637	-0.038	0.226	0.147	0.042	C14orf166
5164	0.007	0.119	0.164	-0.037	PDK2
51642	0.176	0.902	1.161	-0.083	MRPL48
51643	-0.572	1.704	1.100	0.031	TMBIM4
51646	0.512	-1.270	-0.828	0.070	YPEL5
51647	-0.205	-0.302	-0.657	0.150	FAM96B
5165	0.945	-1.330	-0.188	-0.197	PDK3
51650	-0.157	1.047	0.895	-0.005	MRPS33
51651	0.408	-1.498	-1.154	0.064	PTRH2
51652	-0.361	1.606	1.214	0.031	CHMP3
51654	-0.280	-0.524	-0.897	0.093	CDK5RAP1

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
51657	-0.647	0.886	0.243	-0.004	STYXL1
51659	-0.003	0.838	0.433	0.402	GINS2
5166	0.010	-3.863	-3.465	-0.388	PDK4
51660	0.004	0.542	0.699	-0.153	MPC1
51663	-0.052	-1.134	-0.705	-0.455	ZFR
51665	0.053	0.367	0.608	-0.188	ASB1
51666	0.000	0.001	0.006	0.004	ASB4
51668	-0.006	0.787	0.847	-0.109	HSPB11
51669	0.035	0.310	0.588	-0.243	TMEM66
5167	-0.245	-0.181	-0.277	-0.149	ENPP1
51673	-0.286	0.031	-0.667	0.413	TPPP3
51678	0.025	-0.174	-0.089	-0.059	MPP6
5168	1.140	-3.119	-1.943	-0.035	ENPP2
51686	-0.394	0.618	0.097	0.127	OAZ3
5169	0.000	0.000	0.055	-0.055	ENPP3
51690	-0.116	0.496	-0.110	0.490	LSM7
51691	0.257	0.276	0.513	0.019	NAA38
51693	-0.651	2.051	1.278	0.121	TRAPPC2L
51696	0.408	-2.384	-1.625	-0.351	HECA
517	0.140	0.134	0.198	0.076	ATP5G2
5170	-0.222	-0.085	-0.339	-0.293	PDPK1
51700	0.474	0.814	1.355	-0.067	CYB5R2
51701	0.005	0.727	0.903	-0.172	NLK
51702	0.011	0.058	0.066	0.003	PADI3
51703	0.207	-2.571	-2.021	-0.342	ACSL5
51704	0.514	1.322	1.913	-0.077	GPRC5B
51705	1.966	-4.207	-2.218	-0.023	EMCN
51706	-0.998	0.792	-0.094	-0.112	CYB5R1
51710	0.068	-0.433	-0.079	-0.286	ZNF44
51714	-0.190	0.682	0.452	0.041	SELT
51715	-0.229	0.389	0.239	-0.079	RAB23
51716	-0.040	0.000	-0.040	0.000	CES1P1
51719	0.004	-0.333	0.202	-0.530	CAB39
5172	0.176	4.129	6.317	-2.012	SLC26A4
51720	-0.033	-2.396	-1.921	-0.508	UIMC1
51725	-0.001	0.139	-0.001	0.139	FBXO40
51727	0.497	-0.018	0.462	0.016	CMPK1
51728	0.165	1.433	1.671	-0.073	POLR3K
51729	-0.125	-2.339	-1.929	-0.535	WBP11
5173	0.000	0.000	0.000	0.000	PDYN
51733	0.000	0.010	0.006	0.004	UPB1
51734	-0.411	1.673	1.047	0.215	MSRB1
5174	-0.346	0.343	0.036	-0.040	PDZK1
51741	-0.011	0.372	0.417	0.000	WWOX
51742	-0.029	-0.605	-0.584	-0.051	ARID4B

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
51744	-0.004	0.000	-0.004	0.000	CD244
51747	0.251	-0.087	0.446	-0.344	LUC7L3
5175	1.111	-2.621	-0.262	-1.104	PECAM1
51750	0.037	0.034	0.007	0.062	RTEL1
51751	-0.008	-0.002	0.001	-0.010	HIGD1B
51752	-0.181	-0.063	-0.120	-0.034	ERAP1
51754	0.146	-0.389	-0.356	0.112	TMEM8B
51755	-0.055	-0.716	-0.920	0.150	CDK12
51759	0.054	0.085	0.201	-0.061	C9orf78
5176	0.989	-1.476	-0.703	0.215	SERPINF1
51760	-0.137	1.134	2.526	-1.528	SYT17
51761	0.006	0.003	0.092	-0.083	ATP8A2
51762	0.555	-3.224	-2.485	-0.183	RAB8B
51763	0.003	-0.280	-0.350	0.073	INPP5K
51764	0.003	0.062	0.000	0.066	GNG13
51765	-0.122	-0.479	-0.442	-0.159	MST4
51768	0.222	1.258	1.361	0.119	TM7SF3
51773	-0.192	-0.799	-0.459	-0.531	RSF1
51776	-0.118	-0.444	-0.433	-0.129	ZAK
51778	-0.003	0.000	-0.003	0.000	MYOZ2
5178	-0.023	-1.427	-1.544	0.094	PEG3
51780	-0.352	-0.037	-0.306	-0.083	KDM3B
5179	-0.171	-0.424	-0.698	0.103	PENK
518	0.114	1.164	0.917	0.362	ATP5G3
51805	0.010	0.261	0.528	-0.257	COQ3
51806	-0.513	0.749	0.247	-0.010	CALML5
51807	0.007	0.026	0.000	0.034	TUBA8
51809	-1.493	3.154	2.253	-0.592	GALNT7
51816	0.206	-0.513	-0.394	0.086	CECR1
5184	-0.059	0.126	0.072	-0.006	PEPD
5187	-0.012	-2.089	-2.256	0.155	PER1
5188	-0.019	0.392	0.707	-0.334	PET112
5189	-0.913	1.211	0.679	-0.381	PEX1
5190	0.037	0.258	0.361	-0.066	PEX6
5191	-0.095	0.933	0.946	-0.107	PEX7
5192	-0.068	0.484	0.654	-0.238	PEX10
5193	0.010	-0.395	-0.060	-0.325	PEX12
5194	0.063	-2.465	-1.869	-0.533	PEX13
5195	-0.209	-0.089	-0.338	0.040	PEX14
5196	0.000	0.101	0.000	0.101	PF4
5197	-0.014	0.185	-0.016	0.186	PF4V1
5198	-0.580	0.298	-0.204	-0.078	PFAS
5199	0.090	-0.090	0.000	0.000	CFP
52	-0.118	-0.021	-0.165	-0.030	ACP1
5201	-0.186	0.420	0.070	0.165	PFDN1

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
5202	0.147	-1.619	-1.403	-0.069	PFDN2
5203	-0.008	0.115	-0.008	0.164	PFDN4
5204	0.150	0.510	0.358	0.302	PFDN5
5205	-0.090	-0.149	0.525	-0.764	ATP8B1
5207	-0.003	0.011	-0.003	0.011	PFKFB1
5208	0.206	-0.252	-0.150	0.104	PFKFB2
5209	-0.207	-1.788	-1.370	-0.625	PFKFB3
521	-0.192	1.276	1.015	0.069	ATP5I
5210	0.315	-0.305	-0.007	0.017	PFKFB4
5211	-0.044	-0.216	-0.301	0.042	PFKL
5213	0.315	1.013	1.486	-0.158	PFKM
5214	-0.181	-0.526	-0.417	-0.290	PFKP
5216	-0.055	0.454	0.286	0.114	PFN1
5217	-0.614	2.477	1.806	0.057	PFN2
5218	0.258	1.711	2.441	-0.471	CDK14
522	-0.308	1.503	1.068	0.127	ATP5J
5223	0.285	0.221	0.242	0.264	PGAM1
5224	0.038	0.016	0.000	0.054	PGAM2
5225	-0.001	0.038	-0.001	0.038	PGC
5226	-0.287	-0.916	-1.362	0.159	PGD
5228	0.592	-0.207	-0.059	0.445	PGF
5229	-0.430	-0.377	-0.775	-0.032	PGGT1B
523	-0.090	-0.220	0.043	-0.353	ATP6V1A
5230	0.305	-0.327	0.202	-0.238	PGK1
5232	0.014	0.096	0.037	0.073	PGK2
5236	0.275	0.645	1.165	-0.245	PGM1
5238	0.600	-2.284	-1.553	-0.132	PGM3
5239	0.000	0.084	0.000	0.084	PGM5
5241	0.071	-0.071	0.000	0.000	PGR
5243	0.538	-2.020	-1.495	0.013	ABCB1
5244	-0.035	0.000	-0.033	-0.002	ABCB4
5245	-0.148	0.632	0.106	0.378	PHB
525	-0.043	1.326	1.421	-0.138	ATP6V1B1
5250	-0.016	-0.168	-0.192	0.008	SLC25A3
5251	-0.056	0.276	-0.025	0.245	PHEX
5252	-0.151	-0.787	-1.073	0.135	PHF1
5253	-0.112	0.182	0.014	0.056	PHF2
5255	-0.758	-0.994	-1.252	-0.500	PHKA1
5256	-0.029	0.180	0.053	0.098	PHKA2
5257	-0.554	2.643	2.341	-0.253	PHKB
526	0.841	-1.984	-1.005	-0.138	ATP6V1B2
5260	-0.141	0.000	-0.141	0.000	PHKG1
5261	-0.329	-1.240	-1.290	-0.279	PHKG2
5264	-0.676	2.168	1.794	-0.301	PHYH
5265	-3.640	4.201	0.711	-0.218	SERPINA1

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
5266	2.057	-0.078	2.446	-0.467	PI3
5267	0.000	0.107	0.005	0.102	SERPINA4
5268	0.088	2.452	2.251	0.290	SERPINB5
5269	-0.213	1.042	0.845	-0.016	SERPINB6
527	0.004	-0.239	-0.377	0.142	ATP6V0C
5270	0.608	2.075	2.382	0.301	SERPINE2
5271	0.576	-2.015	-1.181	-0.257	SERPINB8
5272	0.571	-1.983	-1.529	0.117	SERPINB9
5273	0.030	0.439	0.000	0.468	SERPINB10
5274	-0.091	0.505	0.567	-0.154	SERPINI1
5275	0.000	0.001	0.000	0.000	SERPINB13
5276	0.000	0.000	0.037	-0.037	SERPINI2
5277	0.243	-3.478	-2.949	-0.286	PIGA
5279	0.095	0.012	0.401	-0.006	PIGC
528	-0.226	-0.833	-0.975	-0.053	ATP6V1C1
5281	0.273	1.208	1.898	-0.418	PIGF
5283	-0.239	-0.868	-0.765	-0.342	PIGH
5284	1.172	-1.320	0.169	-0.316	PIGR
5286	-0.396	0.344	-0.125	0.072	PIK3C2A
5287	0.468	-1.498	-1.234	0.204	PIK3C2B
5288	0.000	0.498	0.700	-0.202	PIK3C2G
5289	-0.096	0.068	0.047	-0.075	PIK3C3
529	-0.327	0.251	-0.021	-0.055	ATP6V1E1
5290	0.305	-1.327	-0.692	-0.330	PIK3CA
5291	0.003	-0.473	0.018	-0.487	PIK3CB
5292	0.282	-1.682	-1.276	-0.124	PIM1
5293	-0.076	-0.344	-0.468	0.049	PIK3CD
5294	0.005	-0.004	0.004	-0.004	PIK3CG
5295	0.217	2.675	2.963	-0.119	PIK3R1
5296	0.000	0.046	0.004	0.042	PIK3R2
5297	-0.084	-0.273	-0.015	-0.342	PI4KA
5298	-0.071	-1.031	-1.013	0.048	PI4KB
53	-0.906	2.245	1.475	-0.136	ACP2
5300	-0.083	1.553	1.092	0.379	PIN1
5301	0.001	0.022	0.019	0.004	PIN1P1
5303	-0.161	1.194	0.803	0.306	PIN4
5304	-3.213	-1.530	-3.779	-0.964	PIP
5305	-0.072	-0.999	-0.832	-0.239	PIP4K2A
5306	-0.177	0.327	0.220	-0.070	PITPNA
5307	0.017	-0.028	-0.011	0.000	PITX1
5308	0.193	-0.193	0.000	0.000	PITX2
5309	0.000	0.000	0.000	0.000	PITX3
5310	-0.104	0.029	-0.200	0.031	PKD1
5311	-0.170	1.778	1.572	0.036	PKD2
5313	0.000	0.000	0.000	0.000	PKLR

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
5315	-0.112	1.344	1.203	0.029	PKM
5316	0.478	-0.814	-0.357	0.003	PKNOX1
5317	-0.382	2.069	1.358	0.330	PKP1
5318	-0.028	-0.507	-0.686	0.151	PKP2
5319	0.036	-0.045	0.000	-0.008	PLA2G1B
5320	0.143	-0.536	-0.338	-0.055	PLA2G2A
5321	0.732	1.928	2.217	0.442	PLA2G4A
5322	0.000	0.009	0.000	0.009	PLA2G5
5324	0.025	1.101	1.630	-0.504	PLAG1
5325	0.319	-1.642	-1.552	0.055	PLAGL1
5326	0.279	-1.980	-1.412	-0.289	PLAGL2
5327	-0.491	3.289	3.152	-0.354	PLAT
5328	-0.505	2.982	2.027	0.450	PLAU
5329	0.846	-1.566	-0.318	-0.402	PLAUR
533	-0.042	0.123	-0.317	0.398	ATP6V0B
5330	0.000	0.121	0.002	0.119	PLCB2
5331	-0.053	0.231	-0.069	0.247	PLCB3
5332	-0.269	0.293	0.445	-0.421	PLCB4
5333	-0.526	1.111	0.184	0.401	PLCD1
53335	-0.008	0.458	1.247	-0.600	BCL11A
53339	-0.124	0.888	0.694	0.071	BTBD1
5334	-0.169	0.001	-0.168	0.000	PLCL1
53340	-0.625	1.639	1.235	-0.221	SPA17
53343	-0.190	-0.059	0.097	-0.347	NUDT9
53345	0.000	0.007	0.004	0.003	TM6SF2
53346	0.481	-0.435	-0.312	0.358	TM6SF1
53347	0.000	0.000	0.003	-0.003	UBASH3A
5335	0.179	0.218	0.230	0.168	PLCG1
53353	0.000	0.343	0.320	0.024	LRP1B
53358	0.000	0.000	0.313	-0.313	SHC3
5336	-0.142	1.725	1.441	0.142	PLCG2
5337	-0.008	0.811	0.618	-0.045	PLD1
53371	0.047	-0.630	-0.627	0.044	NUP54
53373	-0.799	0.717	0.288	-0.370	TPCN1
5338	0.156	-0.157	0.022	-0.023	PLD2
5339	-0.728	1.370	0.728	-0.086	PLEC
534	0.007	-0.007	0.009	-0.009	ATP6V1G2
5340	0.000	0.000	0.001	-0.001	PLG
53405	0.041	0.593	0.699	-0.058	CLIC5
53407	-0.433	-0.753	-1.315	0.129	STX18
5341	0.127	-0.593	-0.488	0.022	PLEK
5345	-0.005	0.351	0.175	0.170	SERPINF2
5346	0.000	0.000	0.000	0.000	PLIN1
5347	-0.005	0.000	-0.005	0.000	PLK1
5348	-0.145	-0.111	-0.263	0.007	FXVD1

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
5349	-0.494	3.726	3.600	-0.367	FXYD3
535	0.070	-0.711	-0.530	-0.110	ATP6V0A1
5350	0.486	-1.310	-0.425	0.000	PLN
5351	1.014	2.423	2.912	0.526	PLOD1
5352	-0.189	1.245	0.818	0.237	PLOD2
5354	-0.426	0.464	-0.076	0.114	PLP1
5355	-0.158	2.005	1.873	-0.027	PLP2
5357	-1.047	2.584	2.108	-0.570	PLS1
5358	0.191	0.694	0.623	0.262	PLS3
5359	0.406	0.967	1.487	-0.115	PLSCR1
5360	0.320	0.150	0.771	-0.300	PLTP
5361	-0.165	1.258	1.072	0.021	PLXNA1
53615	-0.027	0.568	-0.030	0.571	MBD3
53616	0.000	0.001	0.000	0.000	ADAM22
5362	-0.300	-0.517	-0.934	0.116	PLXNA2
53630	0.000	0.093	0.000	0.093	BCMO1
53635	-0.056	0.320	0.160	0.105	PTOV1
53637	0.000	0.000	0.018	-0.018	S1PR5
5364	-0.328	0.663	-0.075	0.410	PLXNB1
5365	-0.014	1.836	1.316	0.506	PLXNB3
5366	0.078	-2.599	-2.470	-0.050	PMAIP1
5367	0.000	0.013	0.000	0.013	PMCH
5368	0.000	0.000	0.000	0.000	PNOC
5369	0.046	-0.069	-0.024	0.000	PMCHL1
537	-0.397	1.450	1.217	-0.165	ATP6AP1
5371	0.016	-0.272	-0.220	0.134	PML
5372	-0.133	0.476	0.012	0.331	PMM1
5373	0.496	-1.706	-1.412	0.202	PMM2
5375	-0.016	0.022	0.011	-0.005	PMP2
5376	-0.918	0.277	-1.141	0.500	PMP22
5378	-0.448	2.450	1.732	0.270	PMS1
5379	-0.432	0.701	0.429	-0.103	PMS2P1
538	0.281	0.237	0.492	0.026	ATP7A
5380	-0.308	0.368	0.056	0.004	PMS2L2
5382	0.000	0.000	0.002	-0.002	PMS2P4
53820	-0.017	0.291	-0.017	0.291	DSCR6
53822	-0.001	0.032	0.073	-0.042	FXYD7
53826	1.107	-1.308	-0.628	0.427	FXYD6
53827	-0.187	2.140	2.096	-0.143	FXYD5
53829	0.000	0.056	0.000	0.056	P2RY13
53832	0.072	-0.125	-0.017	-0.037	IL20RA
53836	-0.164	3.022	2.457	0.401	GPR87
53838	-0.047	0.715	0.580	0.088	C11orf24
53841	0.000	0.000	0.000	0.000	CDHR5
5387	-0.249	0.418	0.160	0.021	PMS2P3

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
539	-0.256	0.763	0.718	-0.212	ATP5O
53904	0.010	0.415	0.000	0.425	MYO3A
53905	-0.001	0.000	0.010	-0.011	DUOX1
53916	-0.598	1.107	-0.081	0.591	RAB4B
53918	0.538	-2.606	-1.834	-0.234	PELO
53919	-0.042	-0.003	-0.058	0.014	SLCO1C1
5393	-0.093	-0.541	-0.446	-0.188	EXOSC9
5394	-0.188	-0.143	0.123	-0.454	EXOSC10
53942	-0.026	0.006	-0.025	0.005	CNTN5
53944	-0.655	-0.333	-0.971	-0.017	CSNK1G1
53947	-0.269	-0.030	-0.296	-0.003	A4GALT
5396	0.110	-1.465	-1.243	-0.112	PRRX1
54	0.012	0.341	0.390	-0.036	ACP5
540	-0.025	0.201	0.039	0.137	ATP7B
54014	-0.458	-0.390	-0.627	-0.221	BRWD1
54020	-0.426	0.903	0.259	0.217	SLC37A1
54039	0.000	0.000	0.055	-0.055	PCBP3
5406	-0.006	0.000	-0.006	0.000	PNLIP
54069	-0.528	0.065	-0.439	-0.025	MIS18A
5407	0.164	-0.164	0.000	0.000	PNLIPRP1
5408	0.005	-0.005	0.000	0.000	PNLIPRP2
5409	-0.009	0.005	-0.009	0.005	PNMT
54093	-0.132	-0.488	-0.650	0.030	SETD4
54101	-0.521	-0.216	-0.596	-0.142	RIPK4
54103	0.032	1.030	1.261	-0.198	PION
54107	0.094	-1.928	-1.616	-0.218	POLE3
5411	-0.128	-0.594	-0.420	-0.107	PNN
54112	0.006	0.107	0.000	0.112	GPR88
5412	0.252	-1.127	-0.572	-0.302	UBL3
5414	-0.008	0.006	0.176	-0.178	4-Sep
54145	-0.775	-0.983	-1.966	0.209	H2BFS
54148	0.166	-0.740	-0.236	-0.339	MRPL39
54149	0.827	-2.606	-0.987	-0.792	C21orf91
541578	0.186	-0.734	-0.913	0.365	CXorf40B
54165	0.081	0.154	0.515	-0.281	DCUN1D1
54187	0.198	-1.364	-1.222	0.056	NANS
5420	0.274	1.460	1.821	-0.087	PODXL
54205	0.237	-1.333	-0.996	-0.100	CYCS
54207	0.000	0.000	0.000	0.000	KCNK10
54209	0.016	1.281	0.984	0.313	TREM2
54210	0.177	-0.232	0.441	-0.497	TREM1
54212	0.000	0.018	0.024	-0.006	SNTG1
5422	-0.030	0.337	0.618	-0.311	POLA1
54221	0.000	0.000	0.002	-0.003	SNTG2
5423	-0.208	0.906	0.748	-0.050	POLB

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
5424	-0.249	-0.009	-0.195	-0.063	POLD1
5425	0.034	-0.951	-1.085	0.167	POLD2
5426	-0.126	0.472	0.145	0.202	POLE
5427	0.000	0.419	0.285	0.135	POLE2
542767	0.007	-0.014	-0.007	0.000	C1QTNF9B-AS1
5428	0.038	-0.360	-0.167	0.000	POLG
5429	-0.138	0.004	0.092	-0.226	POLH
5430	-0.026	0.000	-0.174	0.056	POLR2A
5431	-0.378	-0.141	-0.211	-0.309	POLR2B
5432	0.159	-0.892	-0.131	-0.447	POLR2C
54328	-0.080	0.000	-0.080	0.000	GPR173
54329	0.000	0.069	0.000	0.069	GPR85
5433	-0.231	-0.999	-1.453	0.223	POLR2D
54332	-0.077	0.305	-0.077	0.305	GDAP1
5434	-0.339	0.381	-0.019	0.061	POLR2E
54344	-0.274	1.197	0.629	0.294	DPM3
54345	0.000	0.061	0.003	0.058	SOX18
54346	0.000	0.004	0.006	-0.003	UNC93A
5435	-0.067	0.383	0.253	0.064	POLR2F
5436	-0.562	1.684	1.026	0.096	POLR2G
54360	0.000	0.000	0.030	-0.030	CYTL1
54361	-0.009	0.000	-0.009	0.000	WNT4
54363	-0.002	0.049	0.005	0.042	HAO1
5437	0.153	-0.657	-0.575	0.071	POLR2H
5438	-0.075	0.836	0.817	-0.055	POLR2I
54386	-0.090	-0.802	-0.692	-0.200	TERF2IP
5439	-0.131	0.796	0.579	0.086	POLR2J
5440	-0.152	0.713	0.197	0.364	POLR2K
54407	-0.178	-1.459	-1.265	-0.372	SLC38A2
5441	0.014	0.742	0.442	0.315	POLR2L
54413	0.000	0.000	0.000	0.000	NLGN3
5442	-0.059	-0.133	-0.296	0.103	POLRMT
5443	0.000	0.000	0.000	0.000	POMC
54431	-0.758	1.929	0.958	0.213	DNAJC10
54432	-0.276	-0.366	-0.421	-0.221	YIPF1
54433	-0.051	-0.840	-0.644	-0.246	GAR1
54434	0.163	-1.190	-0.914	-0.113	SSH1
54435	-0.369	0.136	-0.238	0.005	HCG4
54436	0.282	-0.198	-0.317	0.401	SH3TC1
54438	-0.252	-0.366	-0.447	-0.171	GFOD1
5444	-0.002	-0.004	-0.021	0.016	PON1
54440	0.000	0.190	0.000	0.190	SASH3
54441	-0.031	-0.010	0.024	-0.065	STAG3L1
54442	0.075	-1.753	-1.532	-0.146	KCTD5
5445	-0.966	4.292	3.500	-0.173	PON2

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
54453	0.018	1.211	1.667	-0.438	RIN2
54454	0.043	0.455	0.518	-0.020	ATAD2B
54455	-0.216	-0.035	-0.316	0.051	FBXO42
54457	0.000	0.012	0.000	0.011	TAF7L
54458	-0.548	0.049	-0.446	-0.053	PRR13
5446	-0.240	0.260	0.192	-0.172	PON3
54462	-0.013	0.213	0.148	0.051	FAM190B
54463	0.142	0.054	0.446	-0.221	FAM134B
54465	-0.319	0.851	0.552	-0.020	ETAA1
54466	0.025	-0.026	-0.001	0.000	SPIN2A
54468	-0.228	-0.886	-0.516	-0.289	MIOS
54469	-0.019	-0.276	-0.255	-0.040	ZFAND6
5447	-0.237	-0.630	-0.928	0.061	POR
54470	0.093	1.457	1.552	-0.002	ARMCX6
54471	0.021	-0.658	-0.307	-0.347	SMCR7L
54472	-0.163	-0.380	-1.190	0.648	TOLLIP
54474	-0.061	0.122	0.099	-0.038	KRT20
54475	-0.057	-0.294	-0.310	-0.041	NLE1
54476	-0.077	0.291	0.036	0.178	RNF216
54477	-0.237	0.782	0.631	-0.086	PLEKHA5
54478	-0.002	0.362	0.217	0.143	FAM64A
54480	-0.678	0.711	-0.242	0.275	CHPF2
54482	-0.682	0.618	0.302	-0.366	TRMT13
54487	-0.002	-0.126	-0.282	0.072	DGCR8
5449	0.000	0.081	0.069	0.012	POU1F1
54490	-0.004	0.068	0.341	-0.277	UGT2B28
54491	-0.240	-0.009	-0.248	-0.001	FAM105A
54494	0.055	0.079	0.238	-0.103	C11orf71
54496	0.010	0.014	-0.003	0.027	PRMT7
54498	0.088	-0.395	-0.226	-0.082	SMOX
54499	-0.178	0.657	0.508	-0.062	TMCO1
545	-0.741	2.029	1.349	-0.061	ATR
5450	-0.043	0.115	-0.042	0.113	POU2AF1
54502	-0.389	-0.291	0.022	-0.701	RBM47
54503	-0.067	-0.444	-0.116	-0.395	ZDHHC13
54504	-0.008	-0.016	-0.017	-0.007	CPVL
54505	-0.062	0.216	0.397	-0.242	DHX29
54507	-0.119	-0.011	-0.122	-0.007	ADAMTSL4
54508	-0.058	0.031	-0.040	0.014	FLJ11235
54509	-0.656	-0.310	-0.739	-0.227	RHOF
5451	-0.439	-0.084	-0.555	0.032	POU2F1
54512	-0.117	0.349	-0.015	0.263	EXOSC4
54514	0.000	0.000	0.000	0.000	DDX4
54516	-0.055	-0.019	-0.074	-0.001	MTRF1L
54517	-0.027	-0.725	-1.032	0.281	PUS7

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
54518	0.067	0.096	0.083	0.080	APBB1IP
5452	-0.002	0.007	0.026	-0.021	POU2F2
54520	-0.095	-1.266	-1.144	-0.332	CCDC93
54521	0.057	-0.148	-0.245	0.153	WDR44
54529	0.050	-0.898	-0.639	-0.210	ASNSD1
5453	0.132	-0.123	0.081	-0.072	POU3F1
54531	0.044	-0.116	-0.073	0.002	MIER2
54532	-0.010	0.290	0.261	0.019	USP53
54535	-0.100	0.224	0.235	-0.069	CCHCR1
54537	-0.482	-0.010	-0.336	-0.157	FAM35A
54538	-0.095	0.000	-0.095	0.000	ROBO4
54539	-0.230	0.919	0.877	-0.189	NDUFB11
5454	0.000	0.000	0.061	-0.061	POU3F2
54540	-0.196	0.167	-0.047	0.018	FAM193B
54541	0.652	-1.952	-0.974	-0.326	DDIT4
54542	-0.038	-0.335	0.053	-0.426	RC3H2
54544	-0.020	1.273	0.073	1.180	CRCT1
54545	-0.143	-0.886	-0.837	-0.192	MTMR12
54546	0.004	0.021	0.024	0.001	RNF186
54549	0.000	0.369	0.000	0.369	SDK2
5455	0.000	0.000	0.000	0.000	POU3F3
54550	0.000	0.000	0.000	0.000	NECAB2
54551	0.000	0.000	0.000	0.000	MAGEL2
54552	-0.018	0.008	0.032	-0.018	GNL3L
54554	-0.412	0.999	0.559	0.028	WDR5B
54555	-0.142	-0.286	-0.170	-0.258	DDX49
54556	0.473	-1.205	-0.250	-0.482	ING3
54558	0.016	0.369	0.239	0.146	SPATA6
5456	0.000	0.020	0.000	0.020	POU3F4
54566	-0.467	-0.958	-1.479	0.054	EPB41L4B
5457	-0.005	0.004	0.000	-0.001	POU4F1
5458	-0.002	0.000	0.005	-0.007	POU4F2
54581	-0.020	-0.012	0.022	-0.011	SCAND2
54583	0.386	-1.830	-1.143	-0.300	EGLN1
54584	-0.132	0.070	-0.080	0.018	GNB1L
54585	0.141	-0.888	-0.698	-0.049	LZTFL1
54587	0.350	1.816	1.582	0.583	MXRA8
5459	0.000	0.000	0.000	0.000	POU4F3
54596	-0.105	1.367	0.684	0.578	L1TD1
546	-0.169	0.259	0.669	-0.312	ATRX
54606	-0.431	-0.443	-0.980	0.106	DDX56
54619	0.121	-0.982	-0.348	-0.513	CCNJ
5462	0.001	0.323	0.000	0.325	POU5F1B
54621	-0.020	0.592	0.451	0.122	VSIG10
54622	0.179	1.654	1.312	0.521	ARL15

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
54623	0.043	-1.326	-1.529	0.246	PAF1
54626	0.001	0.352	0.073	0.280	HES2
54629	0.015	0.149	0.067	0.097	FAM63B
5463	0.000	0.097	-0.004	0.104	POU6F1
5464	0.034	0.009	0.359	-0.315	PPA1
5465	0.031	-0.056	0.061	-0.086	PPARA
54661	0.001	-0.001	0.007	-0.007	PCDHB17
54662	-0.065	0.225	0.287	-0.127	TBC1D13
54663	-0.290	-0.941	-1.140	-0.091	WDR74
54664	-0.551	0.141	0.000	-0.410	TMEM106B
54665	-0.081	-0.555	-0.718	0.082	RSBN1
5467	0.000	0.210	-0.004	0.210	PPARD
54674	0.035	0.066	0.001	0.100	LRRN3
54676	-0.267	-0.524	-0.796	0.005	GTPBP2
54677	-0.571	0.896	0.441	-0.117	CROT
5468	0.094	-0.909	-0.942	0.126	PPARG
54680	0.041	-1.161	-1.083	-0.037	ZNHIT6
54681	-0.922	1.871	0.832	0.118	P4HTM
54682	-0.156	3.148	3.548	-0.555	MANSC1
5469	-0.094	-0.935	-0.474	-0.555	MED1
547	-0.001	-0.081	-0.012	-0.070	KIF1A
5470	0.000	0.000	0.000	0.000	PPEF2
54700	-0.057	-1.353	-1.491	0.081	RRN3
54704	1.303	-1.137	1.046	-0.880	PDP1
54707	-0.122	-1.723	-1.544	-0.301	GPN2
54708	0.216	-2.232	-1.984	-0.032	5-Mar
5471	0.077	-0.481	-0.534	0.130	PPAT
54714	-0.170	0.170	-0.166	0.165	CNGB3
54715	-0.001	0.200	0.053	0.147	RBFOX1
54716	0.092	-0.053	0.248	-0.208	SLC6A20
54718	0.000	0.000	0.000	0.000	BTN2A3P
54726	0.382	-1.095	-0.478	-0.194	OTUD4
5473	-0.057	2.062	2.872	-0.867	PPBP
54732	-0.022	0.369	0.095	0.252	TMED9
54733	-0.749	-0.441	-1.161	-0.030	SLC35F2
54737	-0.192	0.396	0.120	0.084	MPHOSPH8
54738	0.000	0.000	0.000	0.000	FEV
54739	0.385	0.900	1.393	-0.108	XAF1
54741	0.043	0.878	1.234	-0.313	LEPROT
5475	0.004	-0.004	0.000	0.000	PPEF1
54752	0.016	-0.016	0.039	-0.039	FNDC8
54758	-0.052	-0.009	-0.052	-0.009	KLHDC4
5476	-0.315	3.774	3.325	0.134	CTSA
54762	-0.126	0.802	0.726	-0.050	GRAMD1C
54765	-0.699	0.697	0.229	-0.230	TRIM44

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
54766	0.000	0.155	0.000	0.155	BTG4
54768	0.000	0.072	0.007	0.065	HYDIN
54769	0.000	0.000	0.051	-0.051	DIRAS2
54777	0.000	0.000	0.068	-0.068	TTC40
54778	-0.173	-0.035	-0.258	0.050	RNF111
5478	-0.057	0.366	0.158	0.157	PPIA
54780	-0.142	1.528	1.498	-0.112	NSMCE4A
54784	0.070	-0.071	-0.017	0.016	ALKBH4
54785	0.000	0.704	0.244	0.459	C17orf59
54788	0.113	-0.202	-0.049	-0.041	DNAJB12
5479	0.461	-0.059	0.395	0.006	PPIB
54793	0.181	-0.709	-0.775	0.247	KCTD9
54795	0.421	-0.424	0.261	-0.264	TRPM4
54796	-0.080	0.092	-0.005	0.017	BNC2
54797	1.002	-1.551	-0.258	-0.291	MED18
54798	0.000	0.233	0.000	0.233	DCHS2
54799	-0.112	0.078	0.090	-0.125	MBTD1
5480	-0.703	2.462	1.756	0.003	PPIC
54800	0.310	-2.738	-1.463	-0.801	KLHL24
54801	-0.227	0.066	-0.115	-0.045	HAUS6
54802	-0.319	-0.852	-0.821	-0.350	TRIT1
54805	0.058	0.006	0.051	0.013	CNNM2
54806	0.120	-0.610	-0.097	-0.125	AHI1
54807	0.649	-2.426	-1.741	-0.036	ZNF586
54808	0.000	0.032	0.000	0.032	DYM
54809	0.686	0.590	1.858	-0.582	SAMD9
5481	0.204	-1.086	-0.374	-0.507	PPID
54810	0.095	0.029	0.000	0.124	GIPC2
54811	0.341	-0.456	0.477	-0.592	ZNF562
54812	-0.064	-1.461	-1.400	-0.124	AFTPH
54813	-0.075	-0.110	-0.133	-0.052	KLHL28
54814	0.090	-0.091	0.003	-0.004	QPCTL
54815	0.133	-2.141	-1.570	-0.438	GATAD2A
54816	-0.142	1.303	1.716	-0.556	ZNF280D
54819	0.641	-0.801	-0.181	0.021	ZCCHC10
54820	-0.155	0.656	0.339	0.163	NDE1
54821	-0.026	-0.045	-0.071	0.000	ERCC6L
54825	0.000	0.000	0.130	-0.130	CDHR2
54826	-0.249	0.280	0.141	-0.110	GIN1
54827	-0.037	0.000	-0.031	-0.006	NXPE4
54828	0.000	0.471	0.741	-0.270	BCAS3
54829	-0.145	0.360	-0.022	0.237	ASPN
54830	-0.121	0.198	0.033	0.044	NUP62CL
54831	0.001	-0.001	0.001	-0.001	BEST2
54832	-0.112	0.961	0.873	-0.024	VPS13C

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
54834	-0.684	-0.233	-0.846	-0.071	GDAP2
54836	-0.461	0.082	-0.177	-0.203	BSPRY
54838	-0.062	-1.267	-0.743	-0.587	WBP1L
54839	0.500	-1.652	-1.133	-0.019	LRRC49
54840	0.098	0.027	0.307	-0.182	APTX
54842	-0.256	1.629	2.233	-0.860	MFSD6
54843	-1.868	-1.822	-3.166	-0.525	SYTL2
54845	-0.482	0.740	0.541	-0.283	ESRP1
54847	-0.123	0.091	-0.149	0.116	SIDT1
54848	0.114	-0.114	0.016	-0.016	ARHGEF38
54849	0.816	-0.353	-0.096	0.559	DEF8
54850	0.396	-2.620	-1.813	-0.412	FBXL12
54851	0.221	-0.525	-0.233	-0.070	ANKRD49
54852	0.202	0.326	0.126	0.402	PAQR5
54853	-0.525	0.351	-0.549	0.375	WDR55
54854	-0.081	0.099	-0.079	0.098	FAM83E
54855	1.069	-3.037	-2.232	0.264	FAM46C
54856	-0.226	-0.102	-0.320	-0.008	GON4L
54857	0.000	0.000	0.023	-0.024	GDPD2
54858	-0.041	0.521	0.210	0.270	PGPEP1
54859	0.000	0.028	0.009	0.019	ELP6
54860	-0.007	0.000	-0.007	0.000	MS4A12
54861	0.033	-1.102	-1.068	-0.001	SNRK
54862	-0.066	0.496	0.282	0.042	CC2D1A
54863	0.017	-0.057	-0.038	-0.002	TOR4A
54865	-0.048	0.116	0.008	0.059	GPATCH4
54866	-0.024	0.046	-0.025	0.046	PPP1R14D
54867	-0.063	-0.219	-0.368	0.085	TMEM214
54868	-0.040	0.110	0.204	-0.134	TMEM104
54869	-0.441	0.373	-0.038	-0.025	EPS8L1
54870	-0.016	-1.730	-1.405	-0.341	QRICH1
54872	-0.177	0.555	0.276	0.102	PIGG
54873	0.551	5.048	6.075	-0.475	PALMD
54874	-0.007	0.032	0.103	-0.078	FNBP1L
54875	0.000	0.090	0.013	0.077	CNTLN
54876	0.639	-1.617	0.552	-1.530	DCAF16
54877	0.655	-1.238	-0.369	-0.214	ZCCHC2
54878	-0.159	0.632	0.423	0.050	DPP8
54879	0.000	0.000	0.027	-0.027	ST7L
54880	-0.245	-0.592	-0.248	-0.589	BCOR
54881	0.166	-2.398	-2.595	0.363	TEX10
54882	-0.005	-3.262	-2.839	-0.428	ANKHD1
54883	0.134	-2.799	-2.121	-0.544	CWC25
54884	-0.478	1.035	1.115	-0.558	RETSAT
54885	0.096	1.133	1.664	-0.435	TBC1D8B

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
54886	0.000	0.122	0.001	0.121	LPPR1
54891	-0.027	0.011	-0.001	-0.014	INO80D
54892	-0.067	0.179	0.618	-0.506	NCAPG2
54893	0.000	0.000	0.000	0.000	MTMR10
54894	-0.198	0.056	-0.212	0.070	RNF43
54896	-0.046	0.402	-0.068	0.424	PQLC2
54897	-0.507	-0.103	-0.694	0.084	CASZ1
54898	0.057	-0.060	-0.003	0.000	ELOVL2
549	-0.210	0.435	0.786	-0.560	AUH
54900	-0.012	0.100	-0.048	0.136	LAX1
54901	0.080	-0.189	-0.083	-0.026	CDKAL1
54902	-0.423	1.705	1.124	0.157	TTC19
54903	-0.016	0.010	-0.031	0.025	MKS1
54904	-0.015	-0.423	-0.474	0.036	WHSC1L1
54905	0.092	-0.092	0.008	-0.008	CYP2W1
54906	-0.311	-1.015	-1.227	-0.100	FAM208B
54908	-0.070	0.693	0.366	0.257	CCDC99
54910	-0.079	0.174	0.039	0.057	SEMA4C
54913	0.146	-0.387	-0.097	-0.143	RPP25
54914	-0.162	1.223	1.091	-0.029	FOCAD
54915	0.108	-1.074	-1.017	0.052	YTHDF1
54916	-0.369	0.817	0.824	-0.375	C14orf101
54918	-0.086	1.175	1.383	-0.294	CMTM6
54919	-0.196	0.415	0.313	-0.094	HEATR2
54920	-0.082	0.015	0.251	-0.318	DUS2L
54922	-0.215	-0.976	-1.285	0.093	RASIP1
54923	0.000	0.289	0.162	0.128	LIME1
54925	-0.036	-0.330	-0.163	-0.203	ZNF434
54927	-0.239	-0.311	-0.356	-0.194	CHCHD3
54928	-0.166	-1.040	-1.041	-0.166	IMPAD1
54929	0.029	0.030	0.110	-0.052	TMEM161A
5493	-0.598	2.083	2.016	-0.532	PPL
54930	0.159	-0.098	0.745	-0.685	HAUS4
54932	0.019	0.129	0.032	0.116	EXD3
54934	0.126	-1.735	-1.397	-0.212	KANSL2
54937	-0.152	-0.042	-0.190	-0.004	SOHLH2
54938	0.000	0.000	0.021	-0.021	SARS2
54939	-0.501	1.188	0.826	0.057	COMMD4
5494	-0.087	-0.764	-0.725	-0.126	PPM1A
54941	0.869	-1.292	0.598	-1.022	RNF125
54942	-0.064	-0.357	-0.647	0.226	FAM206A
54943	0.121	-0.141	-0.027	0.007	DNAJC28
54946	0.016	0.339	0.504	-0.149	SLC41A3
54948	0.255	1.064	1.617	-0.298	MRPL16
5495	0.253	-1.013	-0.449	-0.311	PPM1B

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
54951	-0.238	2.822	2.479	0.104	COMMD8
54952	-0.229	-0.083	-0.429	0.116	TRNAU1AP
54953	-0.025	-1.533	-1.113	-0.446	C1orf27
54954	0.000	0.017	0.000	0.017	FAM120C
54955	-0.227	-0.811	-0.884	-0.154	C1orf109
54956	0.035	0.216	-0.032	0.282	PARP16
54957	0.229	-1.958	-1.745	0.016	TXNL4B
54958	0.039	0.600	0.160	0.479	TMEM160
54959	0.332	-4.225	-3.979	0.085	ODAM
5496	-0.087	0.030	-0.256	0.199	PPM1G
54960	0.110	-0.099	0.014	-0.003	GEMIN8
54961	-0.126	1.273	1.229	-0.082	SSH3
54962	-0.128	-1.691	-1.310	-0.509	TIPIN
54963	-0.231	0.483	-0.213	0.464	UCKL1
54964	-0.047	1.721	2.610	-0.936	C1orf56
54967	-0.038	0.000	0.023	-0.060	CXorf48
54968	0.319	-1.020	-0.664	-0.036	TMEM70
54969	-0.534	2.263	1.813	-0.084	C4orf27
54970	0.000	0.130	0.245	-0.115	TTC12
54971	0.395	-2.226	-1.406	-0.426	BANP
54972	0.020	1.698	1.251	0.467	TMEM132A
54973	-0.229	-0.456	-0.890	0.205	CPSF3L
54974	0.230	-0.914	-0.400	-0.284	THG1L
54976	0.035	-0.023	0.061	-0.049	C20orf27
54977	-0.293	0.066	-0.372	0.146	SLC25A38
54978	-0.120	-0.045	0.121	-0.286	C2orf18
54979	-0.001	0.028	0.010	0.000	HRASLS2
5498	0.060	1.146	1.012	0.193	PPOX
54980	0.180	-1.635	-1.063	-0.392	C2orf42
54981	-0.935	2.686	2.085	-0.334	NMRK1
54982	0.000	0.007	0.270	-0.263	CLN6
54985	-0.282	0.769	0.903	-0.417	HCFC1R1
54986	-0.002	0.272	-0.002	0.273	ULK4
54987	-0.564	1.675	0.843	0.268	C1orf123
54988	0.000	0.006	0.000	0.005	ACSM5
54989	-0.050	0.266	0.150	0.066	ZNF770
5499	-0.198	1.206	0.939	0.069	PPP1CA
54991	-0.034	0.054	0.050	-0.031	C1orf159
54993	0.000	0.000	0.038	-0.038	ZSCAN2
54994	0.329	-0.957	-0.787	0.160	GID8
54995	-0.226	0.595	0.484	-0.115	OXSM
54996	-0.431	0.272	0.095	-0.255	2-Mar
54997	0.084	2.808	4.020	-1.127	TESC
54998	-0.142	1.112	0.549	0.421	AURKAIP1
55	-0.001	0.948	1.318	-0.370	ACPP

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
550	-0.226	-0.041	-0.300	0.033	AUP1
5500	0.107	0.710	0.934	-0.063	PPP1CB
55000	-0.436	0.546	0.155	-0.011	TUG1
55001	0.000	0.141	0.018	0.105	TTC22
55002	-0.328	-0.085	-0.531	0.119	TMCO3
55003	0.004	-0.672	-0.802	0.134	PAK1IP1
55005	-0.320	0.495	0.987	-0.811	RMND1
55006	-0.099	0.833	1.025	-0.291	TRMT61B
55007	0.480	-0.716	-0.254	0.018	FAM118A
55008	-0.540	2.949	2.297	0.113	HERC6
55009	0.045	0.186	0.244	-0.013	C19orf24
5501	-0.018	-0.047	0.022	-0.087	PPP1CC
55010	0.000	0.007	0.870	-0.864	PARPBP
55011	0.182	-0.147	0.220	-0.185	PIH1D1
55012	-0.076	-0.574	-0.298	-0.352	PPP2R3C
55013	-0.093	-0.387	-0.269	-0.211	CCDC109B
55014	-0.082	0.234	0.146	0.006	STX17
55015	0.257	-0.616	-0.394	0.034	PRPF39
55016	-0.003	0.082	-0.003	0.082	1-Mar
55018	0.000	0.000	0.000	0.000	LINC00483
5502	-0.401	0.069	-0.590	0.258	PPP1R1A
55020	0.001	0.046	0.000	0.000	TTC38
55022	2.174	-4.857	-2.715	0.032	PID1
55023	-0.096	-0.017	0.275	-0.387	PHIP
55024	-0.011	0.409	0.375	0.023	BANK1
55025	0.000	0.037	0.000	0.037	FLJ20712
55026	0.000	0.297	0.021	0.276	FAM70A
55027	-0.299	1.867	1.285	0.284	HEATR3
55028	-0.304	0.000	-0.305	0.000	C17orf80
55030	0.394	-1.234	-1.116	0.276	FBXO34
55031	-0.113	-0.588	-0.916	0.215	USP47
55032	0.328	1.717	2.603	-0.558	SLC35A5
55033	0.112	-0.815	-0.575	-0.128	FKBP14
55034	-1.173	-0.033	-0.873	-0.333	MOCOS
55035	-0.209	-0.218	0.197	-0.623	NOL8
55036	0.010	0.079	0.005	0.084	CCDC40
55037	-0.109	-0.459	-0.247	-0.321	PTCD3
55038	-0.986	1.077	-0.154	0.246	CDCA4
55039	0.304	-0.756	-0.307	-0.145	TRMT12
5504	0.064	-0.249	-0.446	0.042	PPP1R2
55040	-0.008	0.597	0.796	-0.207	EPN3
55041	-0.215	-0.419	-0.362	-0.272	PLEKHB2
55048	0.190	-2.161	-1.437	-0.535	VPS37C
55049	-0.010	1.459	1.556	-0.107	C19orf60
55051	0.012	-0.012	0.043	-0.043	C14orf102

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
55052	-0.142	0.750	0.352	0.256	MRPL20
55054	-0.264	0.106	-0.057	-0.101	ATG16L1
55055	-0.437	1.289	1.133	-0.281	ZWILCH
55056	0.156	-0.261	-0.233	0.128	FLJ10038
55057	-0.027	0.226	0.081	0.118	AIM1L
5506	0.000	0.000	0.000	0.000	PPP1R3A
55061	0.078	1.657	1.749	-0.014	SUSD4
55062	0.476	-0.518	-0.105	0.063	WIPI1
55063	0.000	0.177	-0.022	0.198	ZCWPW1
55064	0.000	0.000	0.069	-0.069	SPATA6L
55065	0.000	0.131	0.000	0.131	SLC52A1
55066	-0.218	-0.101	-0.318	-0.001	PDPR
55068	-0.119	0.162	0.035	0.009	ENOX1
55069	-0.043	-1.076	-0.984	-0.136	TMEM248
5507	0.478	-0.971	0.064	-0.557	PPP1R3C
55070	-0.246	0.545	0.101	0.198	DET1
55071	0.004	-0.004	0.253	-0.253	C9orf40
55072	-0.085	-0.039	-0.116	-0.007	RNF31
55073	0.000	0.023	0.002	0.021	LRRC37A4P
55074	0.071	0.531	1.083	-0.482	OXR1
55076	0.831	3.518	4.572	-0.223	TMEM45A
55079	0.000	0.014	0.000	0.014	FEZF2
55080	-0.433	0.517	0.520	-0.436	TAPBPL
55081	0.134	-1.530	-1.270	-0.125	IFT57
55082	0.020	0.516	0.405	0.130	ARGLU1
55083	0.008	0.267	0.092	0.182	KIF26B
55084	0.630	-0.633	-0.552	0.549	SOBP
55086	0.014	0.026	-0.005	0.045	CXorf57
55088	-0.432	-2.336	-2.519	-0.249	C10orf118
55089	-0.003	0.000	-0.003	0.000	SLC38A4
5509	-0.245	0.678	0.829	-0.396	PPP1R3D
55090	0.006	0.116	0.000	0.122	MED9
55092	0.403	0.386	0.880	-0.091	TMEM51
55093	-0.188	0.427	0.322	-0.083	WDYHV1
55094	-0.264	-0.750	0.012	-1.026	GPATCH1
55095	-0.076	-0.001	-0.077	0.000	SAMD4B
55096	0.075	0.022	0.173	-0.076	EBLN2
551	0.000	0.000	0.011	-0.011	AVP
5510	-0.361	1.745	1.156	0.153	PPP1R7
55100	-0.664	1.380	0.806	-0.089	WDR70
55101	-0.077	-0.155	-0.131	-0.101	ATP5SL
55102	-0.707	0.425	-0.317	0.035	ATG2B
55103	0.058	-0.058	0.167	-0.167	RALGPS2
55105	-0.356	-0.510	-0.877	0.011	GPATCH2
55106	-0.406	1.186	1.053	-0.273	SLFN12

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
55107	-0.632	4.467	4.599	-0.764	ANO1
55108	0.253	-0.788	-0.752	0.217	BSDC1
55109	-0.150	1.648	1.575	-0.360	AGGF1
5511	0.169	-0.417	-0.267	0.018	PPP1R8
55110	-0.402	-0.054	-0.053	-0.402	MAGOHB
55111	0.098	0.837	0.055	0.879	PLEKHJ1
55112	0.189	-0.293	0.251	-0.355	WDR60
55113	0.285	-0.038	0.227	0.021	XKR8
55114	0.692	-2.149	-1.212	-0.245	ARHGAP17
55116	-0.036	-0.198	-0.346	0.112	TMEM39B
55117	0.000	0.000	0.563	-0.563	SLC6A15
55118	0.534	-0.425	-0.075	0.185	CRTAC1
55119	0.073	-0.891	-0.764	-0.054	PRPF38B
55120	0.299	1.949	2.742	-0.494	FANCL
55122	0.399	-1.116	-0.611	-0.106	AKIRIN2
55124	0.001	-0.003	-0.002	0.000	PIWIL2
55125	-0.203	0.659	0.778	-0.321	CEP192
55127	-0.020	-0.484	-0.350	-0.154	HEATR1
55128	0.020	0.687	1.226	-0.520	TRIM68
55129	-0.822	1.500	1.058	-0.381	ANO10
55130	0.000	0.000	0.040	-0.040	ARMC4
55131	-0.126	-1.415	-1.206	-0.335	RBM28
55133	-0.439	0.658	0.166	0.052	SRBD1
55135	0.142	-0.332	-0.153	-0.037	WRAP53
55138	0.001	0.130	0.001	0.130	FAM90A1
55139	0.552	-0.650	0.196	-0.294	ANKZF1
5514	-0.510	-2.438	-2.248	-0.700	PPP1R10
55140	0.064	-0.867	-0.656	-0.146	ELP3
55142	-0.038	-0.256	-0.069	-0.225	HAUS2
55143	0.081	0.052	0.132	0.002	CDCA8
55144	-0.069	2.064	1.964	0.032	LRRC8D
55145	0.167	-1.016	-0.753	-0.096	THAP1
55146	-0.280	1.611	1.690	-0.359	ZDHHC4
55147	0.057	-0.862	-0.458	-0.347	RBM23
55148	-0.305	0.143	0.218	-0.380	UBR7
55149	0.353	-1.677	-0.674	-0.650	MTPAP
5515	0.047	-1.445	-1.461	0.062	PPP2CA
55150	0.082	-0.041	-0.001	0.042	C19orf73
55151	0.716	-2.889	-1.939	-0.234	TMEM38B
55152	-0.285	0.907	0.550	0.072	DALRD3
55153	0.012	-0.249	-0.222	-0.015	SDAD1
55156	-0.175	0.861	0.818	-0.131	ARMC1
55157	-0.028	0.274	0.049	0.197	DARS2
55159	0.062	-0.551	-0.590	0.100	RFWD3
5516	0.293	-1.092	-1.050	0.251	PPP2CB

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
55160	0.311	-0.221	-0.073	0.163	ARHGEF10L
55161	-0.134	-0.789	-0.458	-0.465	TMEM33
55163	-0.555	1.396	1.580	-0.738	PNPO
55164	-0.117	-0.757	-0.857	-0.017	SHQ1
55165	0.048	0.714	0.557	0.205	CEP55
55166	0.087	-0.087	0.009	-0.009	CENPQ
55167	0.197	-1.761	-1.557	-0.008	MSL2
55168	-0.030	-0.792	-0.571	-0.251	MRPS18A
55171	-0.396	0.804	0.023	0.385	TBCCD1
55172	0.159	-0.486	-0.648	0.322	DNAAF2
55173	-0.752	-0.378	-0.625	-0.505	MRPS10
55175	0.101	-0.140	-0.039	0.000	KLHL11
55176	-0.342	0.061	-0.250	-0.031	SEC61A2
55177	-0.431	1.023	0.886	-0.294	FAM82A2
55178	0.037	-1.853	-1.367	-0.449	RNMTL1
55179	-0.014	2.190	2.534	-0.358	FAIM
5518	-0.009	-0.044	-0.228	0.175	PPP2R1A
55180	0.491	-2.115	-1.549	-0.075	LINS
55181	0.128	-0.849	-0.454	-0.267	SMG8
55182	-0.020	0.566	-0.084	0.629	RNF220
55183	0.167	-0.788	-0.527	-0.094	RIF1
55184	0.006	0.448	0.945	-0.490	DZANK1
55186	0.161	-1.014	-0.243	-0.469	SLC25A36
55187	0.011	-0.039	0.076	-0.226	VPS13D
55188	0.454	-0.877	-0.792	0.369	RIC8B
5519	0.001	-1.508	-1.084	-0.286	PPP2R1B
55190	0.661	-0.715	-0.252	0.199	NUDT11
55191	-0.629	0.690	0.591	-0.531	NADSYN1
55192	-0.136	0.162	-0.139	0.165	DNAJC17
55193	-0.053	0.061	0.462	-0.454	PBRM1
55194	0.041	-0.344	-0.210	-0.093	FAM176B
55195	0.036	-0.036	0.000	0.000	C14orf105
55196	-0.394	-1.032	-0.516	-0.909	KIAA1551
55197	-0.272	0.310	0.125	-0.087	RPRD1A
55198	-0.584	-0.774	-0.863	-0.495	APPL2
55199	0.023	-0.022	0.000	0.001	FAM86C1
552	0.002	0.000	0.001	0.006	AVPR1A
5520	-0.021	-1.413	-1.679	0.245	PPP2R2A
55200	-0.002	-0.663	-0.631	-0.034	PLEKHG6
55201	0.362	-1.635	-0.866	-0.406	MAP1S
55203	-0.089	0.000	-0.089	0.000	LGI2
55204	0.227	-0.726	-0.090	-0.409	GOLPH3L
55205	-0.640	2.295	1.628	0.027	ZNF532
55206	0.003	-0.003	0.003	-0.163	SBNO1
55207	-0.010	-1.270	-1.180	-0.100	ARL8B

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
55208	-0.263	-0.798	-0.978	-0.084	DCUN1D2
55209	-0.113	-0.975	-0.606	-0.482	SETD5
5521	0.023	0.540	0.094	0.468	PPP2R2B
55210	-0.099	0.283	-0.109	0.293	ATAD3A
55211	0.000	0.204	0.000	0.204	DPPA4
55212	-0.039	0.628	0.531	0.058	BBS7
55213	-0.243	2.619	2.727	-0.351	RCBTB1
55214	-0.407	0.290	0.004	-0.121	LEPREL1
55215	-0.003	0.594	0.867	-0.276	FANCI
55216	0.388	-1.733	-1.277	-0.068	C11orf57
55217	0.000	0.046	0.000	0.046	TMLHE
55218	-0.353	1.191	0.844	-0.005	EXD2
55219	0.149	-1.467	-0.806	-0.512	TMEM57
55220	0.019	-0.019	0.339	-0.339	KLHDC8A
55222	0.026	0.571	0.332	0.265	LRRC20
55223	-0.261	0.354	0.107	-0.015	TRIM62
55224	-0.003	0.242	0.279	-0.040	ETNK2
55225	0.000	0.016	0.000	0.016	RAVER2
55226	-0.132	-0.928	-0.796	-0.264	NAT10
55227	-0.296	0.984	1.054	-0.366	LRRC1
55228	0.088	2.586	3.731	-1.057	PNMAL1
55229	0.399	-1.143	-0.672	-0.072	PANK4
5523	0.493	-0.376	0.656	-0.413	PPP2R3A
55231	-0.003	0.367	0.004	0.360	CCDC87
55233	-0.081	-0.739	-0.526	-0.181	MOB1A
55234	-0.293	-0.826	-0.835	-0.284	SMU1
55236	-0.151	-0.192	-0.358	0.016	UBA6
55237	-0.023	-0.003	0.048	-0.074	VRTN
55238	-0.036	0.212	0.042	0.000	SLC38A7
55239	-0.041	-1.352	-1.130	-0.263	OGFOD1
5524	-0.077	1.562	0.884	0.507	PPP2R4
55240	-0.124	0.851	0.972	-0.246	STEAP3
55243	0.006	-0.006	0.062	-0.062	KIRREL
55244	0.047	-0.067	-0.020	0.000	SLC47A1
55245	-0.547	-0.114	-0.097	-0.564	UQCC
55246	-0.226	1.423	0.967	0.230	CCDC25
55247	-0.020	0.000	-0.020	0.000	NEIL3
55248	0.038	0.061	0.028	0.071	TMEM206
55249	-0.059	-2.015	-1.913	-0.162	YY1AP1
5525	0.007	-0.116	0.083	-0.191	PPP2R5A
55251	-0.763	2.611	1.883	-0.035	PCMTD2
55252	-0.863	1.557	0.911	-0.218	ASXL2
55253	-0.180	-0.394	-0.348	-0.225	TYW1
55254	0.530	-2.504	-1.575	-0.399	TMEM39A
55255	0.221	0.474	0.645	0.050	WDR41

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
55256	-0.098	1.114	1.219	-0.203	ADI1
55257	0.079	0.347	0.318	0.108	C20orf20
55258	-0.149	0.716	0.726	-0.159	THNSL2
55259	-0.002	0.000	0.000	-0.002	CASC1
5526	0.679	-1.088	-0.326	-0.083	PPP2R5B
55260	0.000	0.000	0.000	0.000	TMEM143
55262	-0.214	0.255	-0.108	0.150	C7orf43
55266	-0.008	0.014	0.136	-0.130	TMEM19
55267	0.058	-0.058	0.295	-0.295	C22orf26
55268	-0.780	1.233	0.348	0.104	ECHDC2
55269	-0.176	-1.444	-1.439	-0.181	PSPC1
5527	0.320	0.702	0.988	-0.092	PPP2R5C
55270	0.096	-0.073	0.048	-0.025	NUDT15
55272	-0.265	0.269	0.131	-0.127	IMP3
55273	0.670	5.919	7.511	-0.922	TMEM100
55274	-0.038	0.138	-0.004	0.104	PHF10
55275	-0.115	0.050	-0.043	-0.022	VPS53
55277	0.060	0.191	0.215	0.036	FGGY
55278	-0.230	0.237	-0.078	0.086	QRSL1
55279	0.233	-2.327	-0.982	-1.111	ZNF654
5528	-0.145	0.193	-0.147	0.195	PPP2R5D
55280	-0.044	-0.144	-0.188	0.000	CWF19L1
55281	0.258	-0.927	-0.808	0.138	TMEM140
55282	0.000	0.000	0.000	0.000	LRRC36
55283	-0.012	0.086	0.152	-0.079	MCOLN3
55284	0.253	-0.707	0.240	-0.694	UBE2W
55285	-0.200	1.840	2.300	-0.660	RBM41
55286	0.540	1.777	3.298	-0.981	C4orf19
55287	-0.735	-0.475	-1.345	0.136	TMEM40
55288	-0.530	1.694	1.258	-0.094	RHOT1
552889	0.471	-0.324	0.499	-0.352	ATXN7L3B
55289	0.000	0.000	0.012	-0.012	ACOXL
5529	0.008	0.082	0.600	-0.510	PPP2R5E
55290	-0.127	-1.378	-1.925	0.420	BRF2
55291	-0.076	-0.561	-0.727	0.090	PPP6R3
55293	-1.036	1.852	0.646	0.170	UEVLD
55294	0.097	-0.357	-0.298	0.038	FBXW7
55295	0.519	-1.498	-1.030	0.052	KLHL26
55296	-0.024	1.585	1.991	-0.430	TBC1D19
55297	0.401	0.633	1.251	-0.216	CCDC91
55298	-0.177	0.051	0.282	-0.409	RNF121
55299	-0.147	-1.320	-1.029	-0.439	BRIX1
553	0.000	0.000	0.003	-0.003	AVPR1B
5530	0.265	2.527	3.194	-0.408	PPP3CA
55301	0.837	-0.946	-0.109	0.000	OLAH

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
55303	0.480	-0.958	-0.465	-0.013	GIMAP4
55304	0.059	0.098	0.321	-0.164	SPTLC3
55308	-0.026	-0.102	-0.116	-0.012	DDX19A
5531	0.244	-1.294	-1.284	0.234	PPP4C
55311	0.053	0.395	0.360	0.088	ZNF444
553115	-0.096	-0.467	-0.621	0.058	PEF1
55312	0.144	-0.500	-0.418	0.062	RFK
55313	-0.008	0.574	0.457	0.110	CPPED1
55314	0.001	0.027	0.020	0.007	TMEM144
55315	-0.028	0.280	1.463	-1.211	SLC29A3
55316	0.048	-0.003	0.248	-0.204	RSAD1
55317	-0.142	0.705	0.473	0.089	AP5S1
55319	-0.160	1.015	1.080	-0.226	TMA16
5532	-0.182	0.383	0.442	-0.241	PPP3CB
55320	0.077	-0.071	0.790	-0.784	MIS18BP1
55321	0.098	-0.098	0.003	-0.003	TMEM74B
55322	-0.241	-0.241	-0.325	-0.157	C5orf22
55323	0.670	-1.098	-0.264	-0.165	LARP6
55324	-0.353	-0.355	-0.504	-0.204	ABCF3
55325	0.176	-0.018	0.177	-0.019	UFSP2
55326	-0.077	-0.715	-0.942	0.149	AGPAT5
55327	0.034	-1.013	-0.820	-0.159	LIN7C
55328	-0.016	0.208	-0.016	0.208	RNLS
55329	0.173	-0.365	-0.285	0.093	MNS1
5533	0.000	0.000	-0.004	0.000	PPP3CC
55332	0.419	-1.469	-0.616	-0.434	DRAM1
55333	-0.427	1.845	1.603	-0.184	SYNJ2BP
55334	-0.038	-0.033	-0.230	0.000	SLC39A9
55335	0.031	0.104	0.031	0.103	NIPSNAP3B
55336	0.066	0.029	0.010	0.086	FBXL8
55337	-0.045	0.698	0.525	0.129	C19orf66
55338	-0.016	0.002	-0.002	0.000	FLJ11292
55339	0.630	-1.159	-0.625	0.096	WDR33
5534	-0.067	-0.525	-0.511	-0.081	PPP3R1
55340	0.130	-1.125	-1.152	0.157	GIMAP5
55341	-0.407	-0.170	-0.909	0.331	LSG1
55343	-0.001	0.182	-0.001	0.182	SLC35C1
55344	0.508	-2.076	-2.100	0.532	PLCXD1
55346	-0.069	0.029	-0.236	0.196	TCP11L1
55347	-0.655	2.029	1.695	-0.321	ABHD10
55350	2.279	-2.928	-0.161	-0.487	VNN3
55351	-0.027	0.024	-0.027	0.024	STK32B
55353	-0.005	0.841	0.623	0.072	LAPTM4B
55355	0.000	0.000	0.370	-0.370	HJURP
55357	0.005	0.857	0.762	0.100	TBC1D2

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
55359	-0.516	0.266	-0.231	-0.018	STYK1
5536	-0.042	0.138	-0.004	0.100	PPP5C
55361	-0.079	-0.803	-0.585	-0.353	PI4K2A
55364	-0.123	1.670	1.422	0.124	IMPACT
55365	-0.531	-0.402	-1.092	0.160	TMEM176A
55366	0.438	-0.525	-0.221	0.133	LGR4
55367	-0.023	0.178	0.153	0.002	PIDD
5537	-0.060	-0.760	-0.874	0.054	PPP6C
55374	0.000	0.313	0.217	0.096	TMCO6
55379	0.384	-1.599	-1.283	0.069	LRRC59
5538	-0.655	1.421	1.115	-0.349	PPT1
55384	0.007	-0.114	-0.082	-0.039	MEG3
55388	0.107	-0.107	0.000	0.000	MCM10
55389	0.000	0.055	0.036	0.019	AKIRIN2-AS1
5539	0.000	0.052	0.055	-0.003	PPY
554	-0.057	0.033	-0.057	0.033	AVPR2
5540	0.000	0.000	0.014	-0.014	PPYR1
55410	0.018	-0.018	0.000	0.000	NCRNA00185
55415	0.000	0.000	0.000	0.000	PRO2964
5542	0.000	0.030	0.024	-0.149	PRB1
55421	-0.154	-0.739	-0.672	-0.222	C17orf85
55422	0.266	-3.856	-2.677	-0.913	ZNF331
55423	0.009	-0.009	0.000	0.000	SIRPG
55425	-0.320	0.380	-0.041	0.101	KIAA1704
55432	0.421	-1.238	-1.081	0.263	YOD1
55435	-0.208	-1.204	-0.871	-0.541	AP1AR
5544	0.004	-0.006	-0.002	0.000	PRB3
5545	0.014	0.378	0.665	-0.273	PRB4
55450	-0.647	2.545	2.356	-0.457	CAMK2N1
55454	-0.286	-0.749	-0.689	-0.346	CSGALNACT2
5546	0.069	-1.879	-1.253	-0.557	PRCC
55466	0.018	0.342	0.041	0.320	DNAJA4
5547	-0.082	0.326	0.452	-0.208	PRCP
55471	0.051	-0.078	0.223	-0.250	C2orf56
55472	-0.003	0.000	-0.003	0.000	RBM12B-AS1
55478	0.068	0.277	0.000	0.345	PRO2012
55486	-0.155	0.161	-0.201	0.207	PARL
5549	0.070	0.088	0.001	0.158	PRELP
5550	-0.361	0.655	0.388	-0.094	PREP
55500	-0.081	-1.666	-1.745	-0.001	ETNK1
55501	0.016	0.916	0.857	0.075	CHST12
55503	-0.542	0.293	-0.072	-0.177	TRPV6
55505	-0.167	0.626	0.144	0.315	NOP10
55506	-0.318	1.458	1.052	0.087	H2AFY2
55507	-0.009	0.041	-0.005	0.036	GPRC5D

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
55508	0.257	0.707	1.110	-0.147	SLC35E3
55509	0.666	-1.950	-1.306	0.021	BATF3
5551	0.093	0.077	-0.033	0.203	PRF1
55510	1.065	-1.011	-0.095	0.148	DDX43
55511	0.000	0.000	0.032	-0.032	SAGE1
55512	0.006	-0.006	0.000	0.000	SMPD3
55515	0.142	-0.075	0.042	0.025	ASIC4
5552	0.451	-6.947	-5.966	-0.529	SRGN
55520	-0.054	0.455	0.167	0.234	ELAC1
55521	1.041	-2.600	-1.611	0.051	TRIM36
55526	-0.300	1.200	0.808	0.092	DHTKD1
5553	0.000	0.000	0.019	-0.019	PRG2
55532	0.000	0.000	0.000	0.000	SLC30A10
55534	0.000	0.000	0.000	0.000	MAML3
55539	0.000	0.000	0.000	0.000	KCNQ1DN
55540	-1.522	-1.661	-2.935	-0.248	IL17RB
55544	-0.319	-0.726	-0.977	-0.068	RBM38
55547	0.002	-0.002	0.058	-0.234	HAB1
55554	0.006	-0.006	0.000	0.000	KLK15
55556	-0.836	2.295	1.435	0.024	ENOSF1
55558	-0.041	0.222	0.160	0.021	PLXNA3
55559	0.329	-0.984	-0.380	-0.275	HAUS7
55565	0.008	0.116	0.061	0.062	ZNF821
55567	-0.087	0.000	-0.086	0.014	DNAH3
55568	0.398	-0.385	-0.196	0.209	GALNT10
5557	0.009	0.340	0.445	-0.096	PRIM1
55573	0.157	-3.458	-2.546	-0.662	CDV3
55576	0.002	-0.002	0.082	-0.082	STAB2
55577	-0.159	1.935	1.356	0.420	NAGK
55578	-0.100	0.301	0.172	0.016	FAM48A
5558	0.008	0.027	0.050	-0.081	PRIM2
55584	0.149	0.871	0.459	0.561	CHRNA9
55585	-0.184	0.642	0.241	0.217	UBE2Q1
55589	-0.327	-0.443	-0.696	0.062	BMP2K
55591	0.024	-0.028	0.234	-0.238	VEZT
55592	-0.009	0.002	-0.009	0.001	GOLGA2P5
55596	0.045	-2.222	-2.074	-0.103	ZCCHC8
55601	-0.176	1.749	1.738	-0.165	DDX60
55602	0.148	-2.071	-1.524	-0.399	CDKN2AIP
55603	-0.171	-0.458	-0.066	-0.562	FAM46A
55604	0.049	1.121	1.617	-0.447	LRRC16A
55607	-0.357	2.000	3.025	-1.382	PPP1R9A
55608	-0.241	-0.227	-0.273	-0.195	ANKRD10
55610	-0.075	0.116	-0.075	0.116	CCDC132
55611	-0.188	-0.030	-0.167	-0.035	OTUB1

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
55612	-0.443	6.090	5.867	-0.221	FERMT1
55613	0.000	0.087	0.115	-0.028	MTMR8
55614	-0.508	0.891	0.072	0.310	KIF16B
55615	0.045	-0.123	-0.074	-0.004	PRR5
55616	-0.038	0.268	0.007	0.224	ASAP3
55617	-0.687	0.623	0.110	-0.174	TASP1
55619	-0.036	-0.161	-0.197	0.000	DOCK10
5562	-0.008	-0.708	-0.577	-0.139	PRKAA1
55620	-0.302	0.280	-0.268	0.246	STAP2
55621	-0.098	-2.436	-2.319	-0.025	TRMT1
55622	-0.293	0.013	-0.114	-0.166	TTC27
55623	0.168	-0.648	-0.139	-0.341	THUMPD1
55624	-0.217	1.483	1.561	-0.295	POMGNT1
55625	-0.342	-0.335	-0.137	-0.540	ZDHHC7
55626	0.040	-0.083	-0.135	-0.060	AMBRA1
55628	0.000	0.051	0.013	0.037	ZNF407
55629	0.178	-2.006	-1.868	0.040	PNRC2
5563	0.040	-0.086	0.022	-0.068	PRKAA2
55630	-0.461	1.079	0.597	0.021	SLC39A4
55631	-0.072	0.061	0.133	-0.144	LRRC40
55633	-0.124	-1.400	-1.445	-0.079	TBC1D22B
55634	0.049	-0.613	-0.434	-0.129	ZNF673
55635	0.097	-0.039	0.000	0.058	DEPDC1
55636	-0.017	-0.173	-0.082	-0.108	CHD7
55638	-1.064	-1.755	-1.658	-1.161	SYBU
5564	-0.067	-0.905	-0.951	-0.022	PRKAB1
55640	0.071	-0.043	0.135	-0.108	FLVCR2
55643	0.030	0.116	0.409	-0.264	BTBD2
55644	-0.622	0.715	0.498	-0.404	OSGEP
55647	0.179	-1.161	-0.460	-0.522	RAB20
5565	-0.476	-0.147	-1.019	0.396	PRKAB2
55650	0.402	1.218	2.039	-0.420	PIGV
55651	0.052	-0.123	-0.333	0.262	NHP2
55652	0.010	0.135	0.009	0.038	SLC48A1
55653	-1.018	-0.054	-0.660	-0.412	BCAS4
55654	-0.111	0.244	0.289	-0.156	TMEM127
55655	-0.244	0.341	1.195	-1.097	NLRP2
55656	-0.376	0.851	0.537	-0.062	INTS8
55657	-0.118	-0.286	-0.251	-0.152	ZNF692
55658	0.136	-1.235	-1.121	0.022	RNF126
5566	-0.019	0.184	0.146	0.019	PRKACA
55660	-0.207	-0.145	-0.495	-0.066	PRPF40A
55661	-0.031	-0.742	-0.776	0.003	DDX27
55662	-0.109	0.359	0.211	0.039	HIF1AN
55663	-0.038	0.078	-0.042	0.082	ZNF446

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
55664	0.145	-1.874	-1.904	0.174	CDC37L1
55665	0.489	-2.662	-1.952	-0.221	URGCP
55666	-0.077	-0.269	-0.827	0.481	NPLOC4
55667	-0.165	-0.123	0.147	-0.435	DENND4C
55668	0.201	-1.467	-1.249	-0.017	C14orf118
55669	-0.110	-0.351	-0.283	-0.179	MFN1
5567	0.091	1.685	1.818	-0.042	PRKACB
55670	-0.033	0.169	0.230	-0.094	PEX26
55671	-0.106	-1.837	-1.300	-0.644	SMEK1
55676	0.000	0.000	0.000	0.000	SLC30A6
55679	-0.002	0.045	-0.021	0.065	LIMS2
5568	-0.032	0.217	0.064	0.120	PRKACG
55680	-0.336	0.208	0.001	-0.128	RUFY2
55681	0.194	-1.567	-1.262	-0.111	SCYL2
55683	-0.115	-0.001	-0.111	-0.005	KANSL3
55684	0.007	-0.018	0.299	-0.311	RABL6
55686	0.111	-1.354	-0.915	-0.328	MREG
55687	-0.312	-0.492	-0.356	-0.448	TRMU
55689	0.161	0.074	0.765	-0.529	YEATS2
5569	-0.027	0.248	1.019	-0.799	PKIA
55690	0.000	0.026	0.056	-0.031	PACS1
55691	0.279	-0.367	-0.144	0.056	FRMD4A
55692	0.002	-1.327	-1.696	0.371	LUC7L
55693	0.000	0.022	0.000	0.022	KDM4D
55695	-0.406	0.684	-0.168	0.446	NSUN5
55696	0.082	-1.516	-1.400	-0.035	RBM22
55697	0.000	0.276	0.003	0.000	VAC14
55699	-0.235	1.701	1.530	-0.064	IARS2
55700	0.269	-1.509	-1.560	0.320	MAP7D1
55701	-0.160	0.982	0.759	0.063	ARHGEF40
55702	0.653	-2.524	-1.899	0.028	CCDC94
55703	-0.564	0.304	0.250	-0.510	POLR3B
55704	0.010	-0.010	0.449	-0.449	CCDC88A
55705	-0.255	0.405	0.241	-0.091	IPO9
55706	0.009	-0.284	0.015	-0.290	TMEM48
55707	-0.029	-0.056	-0.078	-0.007	NECAP2
55709	0.084	-0.565	0.027	-0.508	KBTBD4
5571	-0.241	0.753	0.542	-0.030	PRKAG1
55711	0.376	-0.709	0.126	-0.459	FAR2
55713	-0.001	0.179	0.326	-0.148	ZNF334
55714	-0.002	0.016	0.057	-0.043	ODZ3
55715	-0.017	0.225	-0.008	0.225	DOK4
55716	0.452	-0.428	-0.109	0.132	LMBR1L
55717	-0.491	1.644	1.332	-0.178	WDR11
55718	-0.160	-1.348	-1.185	-0.323	POLR3E

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
55719	-0.125	0.512	0.268	0.120	FAM178A
55720	-0.239	-0.895	-1.210	0.008	TSR1
55721	-0.242	-0.037	-0.314	0.035	IQCC
55722	-0.181	0.000	-0.138	-0.043	CEP72
55723	0.001	-0.001	0.000	0.000	ASF1B
55726	0.380	-0.501	0.281	-0.402	ASUN
55727	-0.280	-0.094	-0.116	-0.258	BTBD7
55729	-0.001	0.034	0.119	-0.218	ATF7IP
5573	0.269	0.050	0.282	-0.039	PRKAR1A
55731	0.237	0.258	0.884	-0.390	FAM222B
55732	-0.048	0.072	-0.001	0.025	C1orf112
55733	0.074	0.463	0.188	0.348	HHAT
55734	-0.195	0.935	0.644	0.096	ZFP64
55735	-0.443	0.416	-0.006	-0.022	DNAJC11
55737	-0.230	1.002	0.907	-0.135	VPS35
55738	0.079	-0.388	-0.609	0.301	ARFGAP1
55739	-0.309	-0.538	-0.664	-0.183	CARKD
55740	-0.568	0.615	-0.359	0.406	ENAH
55741	-0.439	0.891	0.868	-0.416	EDEM2
55742	-0.103	0.401	0.532	-0.183	PARVA
55743	0.003	-0.360	-0.018	-0.339	CHFR
55744	-0.346	0.712	0.810	-0.618	COA1
55745	-0.085	0.523	0.558	-0.120	AP5M1
55746	-0.261	0.419	0.791	-0.634	NUP133
55748	-0.437	0.624	0.257	-0.071	CNDP2
5575	0.092	-0.044	0.022	0.026	PRKAR1B
55750	-0.263	0.721	0.675	-0.218	AGK
55751	0.030	-0.415	-0.051	-0.334	TMEM184C
55752	0.453	1.325	1.838	0.275	11-Sep
55753	0.000	0.217	0.000	0.217	OGDHL
55754	-0.273	0.193	0.020	-0.099	TMEM30A
55755	0.026	0.278	0.216	0.087	CDK5RAP2
55756	-0.362	0.094	0.185	-0.453	INTS9
55757	-0.349	1.487	1.492	-0.354	UGGT2
55758	-0.329	0.360	-0.018	0.048	RCOR3
55759	-0.349	0.814	0.219	0.246	WDR12
5576	-0.248	0.440	0.159	0.033	PRKAR2A
55760	-0.404	0.648	0.286	-0.043	DHX32
55761	-0.172	-2.223	-1.486	-0.909	TTC17
55762	-0.471	0.033	-0.474	0.036	ZNF701
55763	-0.147	1.205	1.047	0.011	EXOC1
55764	-0.320	0.240	-0.093	0.014	IFT122
55765	0.860	0.113	0.664	0.310	C1orf106
55766	-0.259	0.341	0.064	0.018	H2AFJ
55768	0.100	-0.618	-0.384	-0.134	NGLY1

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
55769	-0.674	0.606	-0.110	0.042	ZNF83
5577	-0.303	3.068	2.995	-0.230	PRKAR2B
55770	-1.013	0.223	-0.028	-0.762	EXOC2
55771	-0.382	0.218	0.035	-0.199	PRR11
55775	-0.174	0.325	0.518	-0.368	TDP1
55776	-0.010	0.092	0.078	0.004	SAYSD1
55777	-0.143	-0.167	-0.171	-0.139	MBD5
55778	-0.052	0.171	0.196	-0.077	ZNF839
55779	-0.013	0.027	0.098	-0.084	WDR52
5578	-0.032	0.074	0.180	0.034	PRKCA
55781	0.216	-1.798	-0.659	-0.922	RIOK2
55784	0.281	-0.613	-0.247	-0.085	MCTP2
55785	0.245	-0.821	0.115	-0.691	FGD6
55786	-0.311	0.987	0.866	-0.189	ZNF415
55787	0.099	-3.465	-3.212	-0.154	TXLNG
55788	0.230	0.077	0.741	-0.434	LMBRD1
5579	0.038	0.035	-0.001	0.074	PRKCB
55790	-0.180	3.399	4.189	-0.971	CSGALNACT1
55791	0.593	-2.935	-2.160	-0.182	LRIF1
55793	-0.188	0.908	0.599	0.120	FAM63A
55794	0.171	-0.945	-0.791	0.067	DDX28
55795	-0.203	-0.361	-0.234	-0.330	PCID2
55796	0.000	0.081	0.043	0.038	MBNL3
55798	0.000	0.000	0.022	-0.022	METTL2B
55799	0.000	0.101	0.001	0.100	CACNA2D3
558	-0.090	-0.661	-0.635	-0.115	AXL
5580	-0.405	-0.380	-0.673	-0.112	PRKCD
55800	-0.220	-0.014	-0.234	0.000	SCN3B
55801	-0.029	0.087	-0.015	0.073	IL26
55802	0.201	-3.343	-2.683	-0.459	DCP1A
55803	0.021	-0.188	-0.167	0.000	ADAP2
55805	0.205	-0.243	-0.025	-0.013	LRP2BP
55806	0.049	0.071	0.106	0.014	HR
5581	0.000	0.000	0.035	-0.035	PRKCE
55810	-0.130	-0.674	-1.004	0.200	FOXJ2
55811	-0.002	0.039	-0.002	0.039	ADCY10
55812	-0.046	0.762	1.244	-0.528	SPATA7
55813	0.053	-1.678	-1.520	-0.104	UTP6
55815	0.008	0.166	-0.002	0.176	TSNAXIP1
55816	0.627	-4.322	-3.996	0.301	DOK5
55818	0.182	-1.384	-0.812	-0.390	KDM3A
55819	-0.276	1.021	0.726	0.020	RNF130
5582	0.006	-0.006	0.000	0.000	PRKCG
55821	0.004	-0.004	0.005	-0.005	ALLC
55823	-0.103	-0.211	-0.188	-0.125	VPS11

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
55825	-0.011	0.665	0.309	0.344	PECR
55827	-0.004	-0.062	0.100	-0.166	DCAF6
5583	0.061	-1.796	-1.482	-0.253	PRKCH
55830	-0.294	2.452	1.933	0.225	GLT8D1
55831	-0.270	0.043	0.025	-0.253	EMC3
55832	0.102	-0.020	0.753	-0.251	CAND1
55833	-0.012	-0.663	-0.374	-0.301	UBAP2
55835	0.040	-0.030	0.002	0.008	CENPJ
55837	0.129	-0.173	-0.099	0.056	EAPP
55839	-0.121	-0.343	-0.337	-0.127	CENPN
5584	0.095	-0.037	0.325	-0.136	PRKCI
55840	0.300	-1.193	-0.834	-0.059	EAF2
55841	-0.234	0.683	0.935	-0.486	WWC3
55843	0.000	0.000	0.000	0.000	ARHGAP15
55844	0.488	-1.751	-0.974	-0.289	PPP2R2D
55846	-0.047	0.031	0.080	-0.095	ITFG2
55847	0.376	0.306	0.497	0.185	CISD1
55848	-0.689	0.832	-0.063	0.205	PLGRKT
5585	0.066	-0.012	0.145	-0.091	PKN1
55850	0.073	-0.217	-0.148	0.003	USE1
55851	-0.341	0.373	0.145	-0.112	PSENE1
55852	-0.489	1.622	1.087	0.046	TEX2
55853	-0.186	-0.658	-0.843	-0.001	IDI2-AS1
55854	0.120	-1.178	-1.013	-0.013	ZC3H15
55856	-0.383	2.853	2.515	-0.045	ACOT13
55857	0.739	1.066	1.733	0.071	PLK1S1
55858	0.187	0.325	0.414	0.098	TMEM165
55859	0.577	-1.232	-0.656	0.001	BEX1
5586	-0.237	0.255	0.620	-0.552	PKN2
55860	-0.292	0.958	0.721	-0.054	ACTR10
55862	-0.401	1.465	0.975	0.089	ECHDC1
55863	-0.479	1.541	1.161	-0.099	TMEM126B
55867	0.158	-0.165	-0.007	-0.001	SLC22A11
5587	0.069	0.102	0.168	0.004	PRKD1
55870	-0.486	0.000	-0.406	-0.081	ASH1L
55872	0.196	1.356	1.369	0.182	PBK
55876	-0.106	0.124	-0.164	0.182	GSDMB
55879	0.000	0.003	0.032	-0.029	GABRQ
5588	0.073	0.031	0.181	-0.077	PRKCQ
55884	-0.009	0.582	0.761	-0.187	WSB2
55885	0.009	-0.009	0.000	0.000	LMO3
55888	-0.002	0.574	1.066	-0.494	ZNF167
5589	-0.115	1.344	1.029	0.200	PRKCSH
55890	0.003	-0.362	-0.007	-0.352	GPRC5C
55891	0.000	0.000	-0.001	0.000	LENEP

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
55892	0.409	-2.133	-1.502	-0.222	MYNN
55893	0.059	-1.468	-1.049	-0.361	ZNF395
55898	-0.208	0.365	0.077	0.080	UNC45A
5590	-0.335	0.212	0.145	-0.268	PRKCZ
55900	0.056	0.488	0.845	-0.300	ZNF302
55901	0.010	0.018	-0.247	0.275	THSD1
55905	0.395	-2.245	-1.638	-0.143	RNF114
55906	0.000	0.372	0.368	0.005	ZC4H2
55907	0.072	0.168	0.686	-0.445	CMAS
55908	0.012	-0.012	0.000	0.000	C19orf80
55909	0.260	-1.362	-1.343	0.241	BIN3
5591	-0.321	1.100	1.212	-0.265	PRKDC
55911	0.003	-0.003	0.000	0.000	APOBR
55914	-0.064	0.470	0.484	-0.078	ERBB2IP
55915	0.733	-0.970	-0.288	0.050	LANCL2
55916	0.175	-2.083	-1.713	-0.194	NXT2
5592	-0.025	0.007	-0.025	0.008	PRKG1
55922	0.121	-0.547	-0.210	-0.215	NKRF
55924	-0.126	0.005	-0.132	0.011	FAM212B
5593	0.013	0.191	0.490	-0.286	PRKG2
55930	-0.729	1.293	1.003	-0.439	MYO5C
55937	0.045	-0.037	0.022	-0.014	APOM
5594	0.182	-0.827	-0.787	0.142	MAPK1
5595	0.019	0.060	0.316	-0.237	MAPK3
55954	-0.014	0.482	0.050	0.418	ZMAT5
55957	0.134	-0.781	-0.435	-0.212	LIN37
55958	0.188	-0.426	0.114	-0.352	KLHL9
5596	0.000	0.000	0.000	0.000	MAPK4
55966	0.000	0.004	0.001	0.000	AJAP1
55968	0.161	-0.715	-0.713	0.070	NSFL1C
55969	-0.216	-0.274	-0.608	0.118	C20orf24
5597	0.109	-1.932	-2.106	0.284	MAPK6
55970	-0.454	0.283	-0.174	0.003	GNG12
55972	-0.008	0.344	0.362	-0.026	SLC25A40
55973	-0.012	0.741	0.909	-0.181	BCAP29
55974	-0.182	-0.198	-0.387	0.006	SLC50A1
55975	0.290	-1.739	-0.919	-0.531	KLHL7
5598	0.273	-0.499	-0.276	0.049	MAPK7
5599	0.092	-1.201	-1.115	0.006	MAPK8
56	0.000	0.081	0.033	0.044	ACRV1
5600	0.001	0.000	-0.006	0.006	MAPK11
56000	-0.002	0.000	0.002	-0.005	NXF3
56001	-0.004	0.000	-0.004	0.000	NXF2
56005	0.367	-1.244	-0.978	0.101	C19orf10
56006	-0.364	-0.934	-2.587	1.290	SMG9

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
5601	-0.385	0.990	1.013	-0.408	MAPK9
5602	0.000	0.000	0.009	-0.009	MAPK10
5603	-0.258	1.107	1.533	-0.683	MAPK13
56033	-0.006	0.062	0.068	-0.012	BARX1
56034	0.031	2.120	2.220	-0.070	PDGFC
5604	0.320	-2.469	-1.785	-0.363	MAP2K1
5605	0.001	0.230	0.374	-0.010	MAP2K2
5606	-0.138	-2.315	-2.241	0.109	MAP2K3
56061	0.300	0.030	-0.323	0.652	UBFD1
56062	0.025	-0.025	0.017	-0.017	KLHL4
5607	0.000	0.024	0.090	0.003	MAP2K5
5608	-0.040	0.362	0.128	0.193	MAP2K6
5609	-0.037	0.004	-0.009	0.001	MAP2K7
5610	-0.389	1.585	1.276	-0.079	EIF2AK2
56100	0.056	-0.056	0.000	0.000	PCDHGB6
56101	0.083	0.228	-0.046	0.358	PCDHGB5
56105	-0.035	-0.002	-0.035	-0.002	PCDHGA11
56106	0.000	0.000	0.001	-0.001	PCDHGA10
56107	0.000	0.027	0.002	0.024	PCDHGA9
5611	0.664	-1.977	-0.369	-0.945	DNAJC3
56112	0.000	0.000	0.000	0.000	PCDHGA3
56114	0.000	0.000	0.009	-0.009	PCDHGA1
5612	0.077	-1.373	-1.297	0.001	PRKRIR
56123	-0.040	0.104	0.032	0.032	PCDHB13
56124	-0.091	0.088	-0.090	0.087	PCDHB12
56125	-0.011	0.000	-0.011	0.000	PCDHB11
56128	0.023	-0.016	0.000	0.008	PCDHB8
5613	0.382	0.106	1.058	-0.570	PRKX
56130	0.000	0.008	0.000	0.008	PCDHB6
56132	0.002	0.133	0.004	0.131	PCDHB3
56139	0.003	-0.003	0.044	-0.044	PCDHA10
56142	0.040	-0.003	0.000	0.037	PCDHA6
56143	0.017	-0.017	0.000	0.000	PCDHA5
56145	0.032	-0.009	0.001	0.022	PCDHA3
56146	0.054	-0.040	-0.001	0.015	PCDHA2
56154	0.000	0.090	0.000	0.090	TEX15
56155	0.296	-1.000	-0.734	0.031	TEX14
56156	0.000	0.000	0.000	0.000	TEX13B
56157	0.008	-0.008	0.000	0.000	TEX13A
56158	0.000	0.000	0.000	0.000	TEX12
56159	0.000	0.007	0.000	0.007	TEX11
5616	0.000	0.000	0.000	0.000	PRKY
56163	-0.016	0.014	0.031	-0.033	RNF17
56165	0.071	-0.086	-0.016	0.000	TDRD1
5617	0.000	0.000	0.004	-0.004	PRL

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
56171	-0.334	0.102	-0.334	0.101	DNAH7
56172	0.001	0.835	1.065	-0.229	ANKH
5618	-0.169	-0.008	-0.196	0.031	PRLR
56180	-0.052	0.979	0.772	0.155	MOSPD1
5619	-0.043	0.116	-0.045	0.118	PRM1
5620	0.000	0.016	0.001	0.015	PRM2
5621	0.351	-1.169	-0.826	0.008	PRNP
5623	0.015	0.108	-0.001	0.123	PSPN
5624	0.000	0.194	0.000	0.194	PROC
56242	-0.040	-0.100	0.066	-0.206	ZNF253
56244	0.002	-0.007	-0.004	0.000	BTNL2
56245	0.000	0.001	0.000	0.001	C21orf62
5625	0.000	0.101	0.000	0.101	PRODH
56252	-0.022	0.131	0.250	-0.394	YLPM1
56253	0.149	-0.386	-0.241	0.003	CRTAM
56255	0.362	0.804	2.161	-0.517	TMX4
56257	0.242	-1.770	-1.179	-0.349	MEPCE
56259	-0.115	-0.302	-0.466	0.049	CTNNBL1
5626	0.010	-0.010	0.000	0.000	PROP1
56260	0.018	0.117	0.000	0.135	C8orf44
56267	0.106	-0.181	0.004	-0.080	CCBL2
56269	0.000	0.150	0.000	0.150	IRGC
5627	0.273	0.515	0.482	0.306	PROS1
56270	0.368	-1.890	-1.655	0.133	WDR45L
56271	0.399	0.288	0.814	-0.128	BEX4
56287	0.000	0.000	0.035	-0.035	GKN1
56288	0.258	-0.541	-0.146	-0.466	PARD3
5629	-0.027	0.224	0.147	0.050	PROX1
563	-1.221	2.262	1.762	-0.722	AZGP1
5630	-0.015	0.028	0.016	-0.003	PRPH
56300	-0.580	0.234	-0.620	0.274	IL36G
56301	0.000	0.108	0.000	0.108	SLC7A10
56302	0.000	0.378	0.212	0.165	TRPV5
5631	0.128	-1.439	-1.385	0.074	PRPS1
56311	0.000	0.000	0.000	0.000	ANKRD7
56339	-0.227	0.662	0.353	0.082	METTL3
5634	0.195	1.374	1.589	-0.021	PRPS2
56341	0.001	-0.001	0.000	0.000	PRMT8
56342	-0.068	-0.765	-0.951	0.118	PPAN
56344	0.000	0.293	0.000	0.293	CABP5
5635	0.402	-0.050	0.227	0.125	PRPSAP1
5636	-0.152	0.182	0.130	-0.100	PRPSAP2
5638	0.277	-0.079	0.247	-0.048	PRRG1
5639	0.133	0.198	0.539	-0.208	PRRG2
5641	0.201	-2.239	-1.594	-0.444	LGMN

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
56413	0.000	0.000	0.000	0.000	LTB4R2
5644	0.000	0.060	0.000	0.060	PRSS1
5645	-0.023	1.040	0.590	0.428	PRSS2
5646	-0.190	1.527	1.176	0.161	PRSS3
56474	-0.646	0.537	-0.469	0.360	CTPS2
56475	-0.070	0.099	-0.067	0.095	RPRM
56478	-0.196	-0.388	-0.275	-0.309	EIF4ENIF1
5648	0.000	0.015	0.000	0.015	MASP1
5649	-0.068	0.255	-0.072	0.259	RELN
5650	0.913	2.545	4.143	-0.685	KLK7
5651	-0.049	0.066	-0.033	0.050	TMPRSS15
5652	0.539	-2.750	-1.957	-0.254	PRSS8
56521	-1.314	-3.745	-4.184	-0.875	DNAJC12
5653	1.427	3.489	5.517	-0.601	KLK6
5654	0.530	3.716	3.642	0.604	HTRA1
56547	0.000	0.000	0.000	0.000	MMP26
56548	0.261	-1.001	-0.745	0.005	CHST7
5655	-0.044	0.468	0.677	-0.253	KLK10
5657	0.000	0.003	0.000	0.003	PRTN3
566	-0.008	0.007	-0.008	0.007	AZU1
5660	-0.069	0.367	0.156	0.143	PSAP
56603	-0.188	0.079	-0.190	0.081	CYP26B1
56604	-0.009	0.260	-0.003	0.254	TUBB7P
56605	-0.404	-2.599	-2.962	-0.041	ERO1LB
56606	0.069	0.863	0.543	0.389	SLC2A9
56616	0.043	-0.564	-0.759	0.238	DIABLO
5662	0.000	0.000	0.008	-0.008	PSD
56623	-0.107	0.142	0.116	-0.080	INPP5E
5663	0.046	-0.841	-0.605	-0.190	PSEN1
5664	-0.111	0.187	0.170	-0.037	PSEN2
56647	-0.094	-1.526	-1.538	-0.082	BCCIP
56648	0.248	-0.231	0.098	-0.081	EIF5A2
56649	-0.165	5.420	4.827	0.428	TMPRSS4
56650	0.202	-1.837	-1.353	-0.282	CLDND1
56652	0.213	-2.681	-2.099	-0.368	C10orf2
56654	-0.265	1.859	1.774	-0.180	NPDC1
56656	0.000	0.000	0.000	0.000	OR2S2
56659	0.000	0.000	0.000	0.000	KCNK13
56660	-0.002	0.010	0.001	0.007	KCNK12
56667	-0.001	0.229	-0.001	0.229	MUC13
56672	0.073	2.003	1.588	0.488	AKIP1
56673	-0.009	0.009	0.263	-0.263	C11orf16
56674	-0.041	1.078	1.098	-0.062	TMEM9B
56675	-0.233	-3.106	-2.687	-0.652	NRIP3
56676	0.000	0.000	0.000	0.000	ASCL3

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
56681	0.054	-1.164	-1.274	-0.118	SAR1A
56683	-0.638	1.006	0.476	-0.109	C21orf59
5669	-0.152	-0.070	-0.277	0.015	PSG1
567	-0.061	0.028	-0.105	0.072	B2M
5670	-0.038	0.000	-0.030	-0.008	PSG2
5671	0.000	0.135	0.000	0.135	PSG3
5672	-0.033	-1.701	-0.544	-1.190	PSG4
56729	0.002	0.005	0.119	-0.111	RETN
5673	0.054	0.022	-0.074	0.149	PSG5
56731	-0.266	0.693	0.416	0.011	SLC2A4RG
5675	0.047	-0.084	-0.020	-0.017	PSG6
5676	0.126	-0.524	-0.374	-0.024	PSG7
5678	-0.395	-0.167	-0.493	0.005	PSG9
5680	0.000	0.000	0.000	0.000	PSG11
5681	0.008	0.467	0.026	0.449	PSKH1
5682	-0.039	-0.681	-0.715	0.018	PSMA1
56829	0.158	-0.690	-0.568	0.035	ZC3HAV1
5683	0.193	-0.303	0.009	-0.120	PSMA2
56833	-0.030	0.039	-0.022	0.030	SLAMF8
56834	0.004	0.000	0.002	-0.002	GPR137
5684	-0.102	-0.588	-0.749	0.059	PSMA3
56848	0.020	-0.016	-0.037	0.042	SPHK2
5685	-0.413	0.943	0.460	0.070	PSMA4
56851	-0.359	1.198	0.810	0.030	EMC7
5686	-0.245	0.393	-0.054	0.202	PSMA5
5687	-0.071	-0.340	-0.434	0.023	PSMA6
5688	0.014	-0.406	-0.597	0.205	PSMA7
56882	0.148	0.071	0.520	-0.300	CDC42SE1
56886	0.200	0.011	0.418	-0.208	UGGT1
56888	0.052	-0.659	-0.973	0.366	KCMF1
56889	0.022	0.418	0.382	0.058	TM9SF3
5689	-0.015	-0.347	-0.561	0.216	PSMB1
56890	-0.058	0.864	0.674	0.131	MDM1
56891	0.000	0.000	0.000	0.000	LGALS14
56892	-1.580	-5.965	-7.958	0.412	C8orf4
56893	-0.034	0.046	0.206	-0.194	UBQLN4
56894	0.140	-0.253	0.378	-0.491	AGPAT3
56895	0.635	-0.491	0.045	0.100	AGPAT4
56897	0.000	0.306	0.001	0.305	WRNIP1
56898	-0.244	2.259	1.982	0.033	BDH2
56899	0.000	0.000	0.000	0.000	ANKS1B
5690	-0.075	-0.132	0.127	-0.334	PSMB2
56901	0.007	0.217	0.344	-0.121	NDUFA4L2
56902	0.217	-2.031	-1.714	-0.101	PNO1
56903	0.000	0.000	0.000	0.000	PAPOLB

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
56904	0.014	0.971	0.716	0.268	SH3GLB2
56905	0.435	-1.153	-0.619	0.034	C15orf39
56906	0.346	-0.429	-0.018	-0.065	THAP10
5691	-0.126	0.098	-0.146	0.118	PSMB3
56910	-0.196	-0.031	-0.288	0.062	STARD7
56911	0.183	-0.036	0.194	-0.047	C21orf7
56912	0.086	0.535	0.918	-0.297	IFT46
56913	0.031	0.792	1.047	-0.224	C1GALT1
56914	0.008	0.005	0.174	-0.161	OTOR
56915	-0.272	0.449	-0.135	0.312	EXOSC5
56918	-0.017	0.000	-0.017	0.000	C2orf83
5692	-0.143	0.385	0.135	0.108	PSMB4
56920	-0.041	0.013	-0.130	0.102	SEMA3G
56922	-0.537	1.349	1.311	-0.499	MCCC1
56924	0.000	0.105	0.364	-0.259	PAK6
56925	-0.076	4.157	4.783	-0.702	LXN
56926	0.000	0.000	0.008	-0.008	NCLN
56928	0.047	0.154	0.291	-0.090	SPPL2B
56929	0.044	-2.569	-1.851	-0.674	FEM1C
5693	-0.343	0.768	0.084	0.341	PSMB5
56934	-0.002	0.070	0.023	0.045	CA10
56935	0.735	-0.009	1.084	-0.358	C11orf75
56936	0.000	0.000	0.000	0.000	C14orf162
56937	-0.410	3.710	3.166	0.134	PMEPA1
56938	-0.313	-1.022	-0.847	-0.488	ARNTL2
5694	-0.086	0.692	0.362	0.243	PSMB6
56940	-0.200	1.094	0.639	0.255	DUSP22
56941	0.292	-0.557	-0.392	0.127	C3orf37
56942	0.213	-0.668	-0.643	0.188	CMC2
56943	0.121	0.363	0.211	0.272	ENY2
56944	0.365	-0.028	0.155	0.182	OLFML3
56945	-0.097	-0.655	-0.566	-0.186	MRPS22
56946	-0.055	-0.530	-0.491	-0.094	C11orf30
56947	-0.428	1.629	1.463	-0.263	MFF
56948	0.014	0.064	-0.160	0.238	SDR39U1
56949	0.060	-0.350	-0.281	-0.009	XAB2
5695	-0.024	-0.006	-0.201	0.171	PSMB7
56950	-0.057	1.072	1.409	-0.394	SMYD2
56951	-0.566	2.168	1.668	-0.066	C5orf15
56953	0.141	-0.143	0.025	-0.026	NT5M
56954	-0.781	1.928	0.754	0.393	NIT2
56955	0.000	0.000	0.000	0.000	MEPE
56957	-0.065	-0.002	-0.067	0.000	OTUD7B
5696	-0.390	-0.005	-0.659	0.263	PSMB8
56965	-0.197	0.272	0.179	-0.104	PARP6

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
56967	0.123	0.073	0.336	-0.140	C14orf132
56969	0.092	-0.050	0.001	0.040	RPL23AP32
5697	0.000	0.000	0.010	-0.010	PYY
56978	0.000	0.000	0.000	0.000	PRDM8
56979	0.000	0.000	0.001	-0.001	PRDM9
5698	-0.662	-0.359	-0.738	-0.283	PSMB9
56980	-0.031	-1.229	-0.620	-0.640	PRDM10
56981	0.000	0.025	0.189	-0.164	PRDM11
56983	-0.527	1.382	1.880	-1.025	POGLUT1
56984	0.235	0.040	0.295	-0.020	PSMG2
56985	0.920	-2.085	-1.104	-0.061	ADPRM
56986	-0.147	1.066	0.598	0.321	DTWD1
56987	-0.015	0.949	1.476	-0.542	BBX
5699	-0.528	0.279	-0.502	0.253	PSMB10
56992	0.000	0.128	0.042	0.086	KIF15
56993	0.122	0.438	-0.067	0.627	TOMM22
56994	-0.135	0.016	0.174	-0.293	CHPT1
56995	-0.857	2.123	1.365	-0.099	TULP4
56996	-0.052	0.514	0.063	0.399	SLC12A9
56997	0.351	-0.749	-0.321	-0.077	ADCK3
56998	-0.107	2.207	1.791	0.308	CTNNBIP1
56999	0.390	-0.316	-0.039	0.113	ADAMTS9
570	0.205	-0.205	0.023	-0.023	BAAT
5700	-0.089	-0.654	-0.834	0.091	PSMC1
57000	-0.001	0.000	0.056	-0.057	GSN-AS1
57001	-0.098	0.688	1.292	-0.702	ACN9
57003	0.235	-1.215	-0.762	-0.219	CCDC47
57007	0.845	-4.044	-3.933	0.734	CXCR7
5701	0.026	-0.099	0.049	-0.122	PSMC2
57016	-0.713	-0.020	-0.717	-0.016	AKR1B10
57017	0.027	1.749	1.343	0.433	COQ9
57018	-0.267	-1.713	-2.234	0.254	CCNL1
57019	-0.308	0.554	0.119	0.127	CIAPIN1
5702	-0.150	-0.502	-0.699	0.047	PSMC3
57020	-0.686	1.389	1.188	-0.485	C16orf62
57030	0.038	0.078	0.008	0.107	SLC17A7
57035	-0.068	0.453	0.929	-0.544	C1orf63
57037	0.127	1.468	1.911	-0.317	ANKMY2
57038	0.000	0.000	0.036	-0.036	RARS2
5704	-0.136	-0.869	-1.329	0.325	PSMC4
57045	-0.146	-1.331	-0.666	-0.811	TWSG1
57047	-0.002	0.067	0.149	-0.083	PLSCR2
57048	0.168	1.490	1.075	0.584	PLSCR3
5705	-0.266	0.505	0.102	0.138	PSMC5
57050	-0.039	-1.333	-0.973	-0.399	UTP3

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
57051	0.275	-0.276	-0.001	0.000	NAG18
57053	-0.125	-0.083	-0.123	-0.085	CHRNA10
5706	-0.135	-0.796	-0.942	0.011	PSMC6
57060	0.033	0.414	0.331	0.116	PCBP4
57061	-0.275	0.125	-0.345	0.194	HYMAI
57062	-0.116	-0.955	-0.894	-0.177	DDX24
5707	-0.269	0.097	-0.144	-0.028	PSMD1
5708	-0.113	0.154	-0.099	0.141	PSMD2
57082	-0.008	0.119	0.039	0.072	CASC5
57084	-0.018	0.092	-0.018	0.092	SLC17A6
57088	0.377	0.879	1.070	0.187	PLSCR4
57089	0.551	-1.491	-1.139	0.199	ENTPD7
5709	-0.381	-0.680	-1.066	0.004	PSMD3
57091	-0.034	0.226	-0.034	0.226	CASS4
57092	-0.129	0.125	-0.209	0.205	PCNP
57093	-0.008	-0.002	-0.010	0.000	TRIM49
57096	-0.078	0.000	-0.078	0.000	RPGRIP1
57097	0.004	0.191	0.022	0.173	PARP11
57099	-0.427	0.730	0.840	-0.537	AVEN
571	1.020	-2.578	-1.244	-0.314	BACH1
5710	-0.370	0.545	0.094	0.072	PSMD4
57101	-0.011	0.000	-0.009	-0.002	ANO2
57102	-0.862	0.029	-0.634	-0.199	C12orf4
57103	0.459	-0.420	0.021	0.018	C12orf5
57104	-0.367	-0.172	-0.449	-0.095	PNPLA2
57105	0.007	0.025	0.000	0.032	CYSLTR2
57107	-0.415	1.805	0.977	0.414	PDSS2
57109	0.203	-0.317	-0.217	0.103	REXO4
5711	-0.293	0.013	-0.255	-0.025	PSMD5
57110	-0.151	-0.093	-0.331	0.088	HRASLS
57111	-0.238	1.260	1.035	-0.013	RAB25
57113	0.000	0.000	0.000	0.000	TRPC7
57115	0.000	0.000	0.000	0.000	PGLYRP4
57116	0.000	0.000	0.000	0.000	ZNF695
57117	0.035	-1.529	-1.209	-0.285	INTS12
57118	-0.057	-0.005	-0.062	0.000	CAMK1D
57119	-0.016	-0.001	-0.017	0.000	EPPIN
57122	-0.461	0.256	0.047	-0.252	NUP107
57124	0.003	-0.003	0.129	-0.129	CD248
57125	-0.044	-0.032	-0.210	0.134	PLXDC1
57126	0.002	-0.001	0.034	-0.033	CD177
57127	0.000	0.018	0.034	-0.016	RHBG
57128	0.113	-0.657	-0.250	-0.294	LYRM4
5713	0.117	-0.628	-0.416	-0.095	PSMD7
57130	-0.120	0.126	-0.122	0.128	ATP13A1

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
57132	0.378	-1.773	-0.950	-0.445	CHMP1B
57134	-0.011	-0.017	-0.028	0.000	MAN1C1
57136	-0.473	1.289	0.773	0.043	APMAP
5714	-0.256	-0.303	-0.587	0.028	PSMD8
57140	-0.012	0.154	0.207	-0.065	RNPEPL1
57142	-0.021	-0.055	-0.136	0.003	RTN4
57144	0.004	0.037	0.022	0.018	PAK7
57146	0.581	-1.485	-0.377	-0.526	TMEM159
57147	-0.232	0.320	0.467	-0.379	SCYL3
57148	-0.509	0.533	0.163	-0.138	RALGAPB
57149	0.260	-1.149	-0.443	-0.446	LYRM1
5715	0.060	-0.284	-0.260	0.036	PSMD9
57150	-0.022	0.659	0.862	-0.225	C6orf162
57151	-0.020	0.000	-0.020	0.000	LYZL6
57152	0.001	-0.001	0.000	0.000	SLURP1
57154	-0.507	-1.695	-1.802	-0.450	SMURF1
57157	-0.013	0.087	0.007	-0.004	PHTF2
57158	0.004	-0.004	0.008	-0.008	JPH2
5716	0.032	0.486	0.466	0.052	PSMD10
57161	0.591	-1.867	-1.197	-0.079	PELI2
57162	0.192	-2.762	-2.564	-0.006	PELI1
57165	0.000	0.012	0.001	0.011	GJC2
5717	0.136	-1.438	-1.429	0.126	PSMD11
57171	-0.048	0.613	0.147	0.418	DOLPP1
57172	-0.001	-0.001	-0.002	0.000	CAMK1G
57175	-0.088	0.042	0.063	-0.109	CORO1B
57178	-0.597	1.756	1.542	-0.383	ZMIZ1
5718	0.214	-1.315	-0.974	-0.128	PSMD12
57180	-0.081	-0.322	-0.364	-0.039	ACTR3B
57185	-0.087	1.158	1.673	-0.602	NIPAL3
57187	-0.232	-0.090	0.007	-0.329	THOC2
57188	-0.002	0.000	0.117	-0.119	ADAMTSL3
5719	-0.235	-0.179	-0.528	0.115	PSMD13
57191	0.000	0.097	0.000	0.097	VN1R1
57192	0.116	0.360	-0.154	0.630	MCOLN1
57194	0.018	0.388	0.307	0.100	ATP10A
57198	0.116	-0.406	-0.249	-0.041	ATP8B2
572	0.028	0.581	0.224	0.386	BAD
5720	-0.228	0.005	-0.199	-0.024	PSME1
57205	-0.328	2.838	2.764	-0.253	ATP10D
57209	0.029	1.150	1.446	-0.267	ZNF248
5721	-0.522	1.040	0.058	0.460	PSME2
57211	-0.120	1.760	1.998	-0.358	GPR126
57212	-0.270	-0.070	-0.159	-0.181	TP73-AS1
57213	0.049	0.161	0.061	0.149	SPRYD7

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
57214	-0.089	0.007	-0.080	-0.002	KIAA1199
57215	0.082	-0.281	0.003	-0.202	THAP11
57223	-0.434	-1.465	-1.629	-0.269	SMEK2
57226	-0.180	0.924	0.938	-0.195	LYRM2
57228	0.264	0.196	0.432	0.028	SMAGP
5723	-0.274	1.136	1.034	-0.172	PSPH
57235	-0.026	0.449	0.508	-0.084	KIAA0485
5724	-0.010	0.024	0.135	-0.122	PTAFR
57242	0.000	0.004	0.000	0.004	KIAA0509
5725	-0.105	-1.123	-1.347	0.092	PTBP1
5727	0.015	0.000	0.027	-0.011	PTCH1
5728	-0.015	-0.123	-0.127	0.063	PTEN
57282	0.000	0.000	0.000	0.000	SLC4A10
5729	0.000	-0.004	-0.004	0.000	PTGDR
57292	0.005	0.054	0.040	0.020	KIR2DL5A
573	-0.340	-0.452	-0.844	0.052	BAG1
5730	1.045	-2.437	-1.105	-0.287	PTGDS
5731	0.000	0.019	0.000	0.019	PTGER1
5732	0.556	-0.580	-0.049	0.025	PTGER2
57326	-0.047	0.557	0.704	-0.056	PBXIP1
5733	-0.001	-0.013	-0.007	0.000	PTGER3
57332	-0.078	0.627	0.019	0.529	CBX8
57333	0.310	0.201	0.149	0.362	RCN3
57335	-0.020	-0.181	-0.200	0.000	ZNF286A
57336	0.035	0.014	0.000	0.068	ZNF287
57337	0.022	0.218	0.063	0.178	SENK7
57338	0.000	0.000	0.044	-0.044	JPH3
5734	-0.232	-3.109	-3.293	-0.048	PTGER4
57343	-0.036	-1.071	-1.283	0.175	ZNF304
57348	0.020	1.515	1.009	0.526	TTYH1
57369	0.000	0.091	-0.008	0.098	GJD2
5737	0.187	0.116	0.013	0.289	PTGFR
57379	0.000	0.000	0.000	0.000	AICDA
57380	-0.651	0.937	0.648	-0.362	MRS2
5739	0.000	0.134	0.000	0.134	PTGIR
57396	-0.474	-0.227	-0.343	-0.358	CLK4
57399	0.012	-0.007	0.000	0.005	LOC57399
574	-0.071	0.000	-0.071	0.000	BAGE
5740	0.006	-0.006	0.000	-0.001	PTGIS
57402	0.071	-1.015	-0.699	-0.245	S100A14
57403	-0.010	-0.597	-0.249	-0.358	RAB22A
57404	-0.163	0.039	0.037	-0.161	CYP20A1
57405	0.000	0.230	0.312	-0.082	SPC25
57406	0.021	0.179	0.376	0.007	ABHD6
57408	0.009	-0.001	0.022	-0.014	LRTM1

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
5741	0.000	0.023	0.000	0.023	PTH
57415	-0.414	0.003	-0.231	-0.180	C3orf14
57418	-0.001	0.062	-0.164	0.224	WDR18
57419	-0.328	1.953	2.225	-0.599	SLC24A3
5742	0.109	-0.109	-0.001	0.000	PTGS1
5743	1.047	-5.155	-4.158	0.050	PTGS2
5744	-0.395	2.515	2.891	-0.526	PTHLH
57446	-0.073	1.577	1.683	-0.180	NDRG3
57447	1.099	-0.204	0.562	-0.044	NDRG2
5745	-0.004	0.040	0.129	-0.093	PTH1R
5746	0.001	-0.001	0.000	0.000	PTH2R
57460	-0.755	2.019	1.388	-0.124	PPM1H
57466	-0.017	-0.321	-0.365	0.027	SCAF4
57468	0.000	0.012	0.048	-0.037	SLC12A5
5747	-0.284	-0.137	-0.084	-0.337	PTK2
57470	-0.338	0.497	0.133	0.026	LRRC47
57472	-0.327	-0.006	-0.061	-0.272	CNOT6
57473	-0.292	0.988	0.785	-0.089	ZNF512B
57476	-0.090	0.059	-0.090	0.059	GRAMD1B
57493	0.073	-0.949	-0.806	-0.070	HEG1
57496	-0.428	2.425	1.800	0.198	MKL2
57498	0.000	0.218	0.211	0.023	KIDINS220
575	0.000	0.053	0.000	0.053	BAI1
57502	0.029	2.866	3.453	-0.558	NLGN4X
57506	-0.343	0.163	0.724	-0.905	MAVS
57509	-0.050	-0.552	-0.360	-0.585	MTUS1
57513	0.174	-0.085	0.006	0.083	CASKIN2
57515	0.024	-0.897	-0.516	-0.357	SERINC1
57523	0.061	1.409	1.862	-0.393	NYNRIN
5753	0.012	0.533	1.849	-1.304	PTK6
57535	0.082	1.366	2.048	-0.600	KIAA1324
57538	-0.028	0.000	-0.002	-0.026	ALPK3
5754	-0.182	1.793	1.686	-0.075	PTK7
57551	0.068	-0.068	0.108	-0.108	TAOK1
57553	-0.162	-0.817	-0.849	-0.130	MICAL3
57556	0.367	0.646	1.642	-0.628	SEMA6A
57559	0.000	0.000	0.000	0.000	STAMBPL1
5756	-0.049	0.170	0.451	-0.103	TWF1
5757	-0.051	0.194	0.136	-0.023	PTMA
57570	-0.257	0.607	0.104	0.246	TRMT5
57572	-0.003	-0.159	-0.192	-0.004	DOCK6
57573	0.004	-0.004	0.000	0.000	ZNF471
57576	0.037	-0.038	-0.001	0.000	KIF17
57579	-0.040	0.000	-0.033	-0.007	FAM135A
57586	-0.003	0.048	-0.002	0.047	SYT13

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
57591	0.118	-0.347	-0.110	-0.062	MKL1
57596	-0.043	0.000	-0.043	0.000	BEGAIN
57597	0.005	0.198	0.106	0.098	BAHCC1
57599	-0.069	-1.288	-1.224	-0.133	WDR48
576	0.005	-0.005	0.000	0.000	BAI2
57602	-0.051	-2.496	-2.432	-0.115	USP36
57604	0.012	0.173	0.003	0.182	KIAA1456
57608	0.215	-0.177	-0.064	0.101	KIAA1462
57610	0.009	-0.226	-0.090	-0.128	RANBP10
57612	0.031	-0.031	0.072	-0.072	ERV3-2
57613	-0.205	-0.226	-0.468	0.037	KIAA1467
57615	-0.221	0.202	-0.186	0.167	ZNF492
5763	0.058	0.232	0.281	0.009	PTMS
57634	-0.306	0.122	0.368	-0.551	EP400
5764	0.312	4.459	4.812	-0.018	PTN
57644	0.000	0.000	0.000	0.000	MYH7B
57645	-0.104	-0.360	-0.195	-0.269	POGK
57658	0.251	0.557	0.302	0.507	CALCOCO1
57663	0.000	0.000	0.002	-0.002	USP29
57664	-0.057	0.007	-0.054	0.004	PLEKHA4
57665	0.075	0.400	0.755	-0.280	RDH14
57669	0.144	-0.225	-0.080	-0.001	EPB41L5
5768	-0.171	0.289	0.134	-0.016	QSOX1
57680	-0.137	0.482	0.573	-0.227	CHD8
57698	-0.562	1.494	0.787	0.145	KIAA1598
577	0.000	0.071	0.023	0.048	BAI3
5770	0.049	-0.037	0.000	0.000	PTPN1
57706	-0.524	-0.118	-0.558	-0.085	DENND1A
57707	0.000	0.619	0.834	-0.217	KIAA1609
5771	0.399	-1.273	-0.477	-0.401	PTPN2
57710	0.000	0.000	0.000	0.000	KIAA1614
57711	0.025	-0.042	-0.051	0.035	ZNF529
57715	0.126	-0.124	0.006	-0.004	SEMA4G
57716	-0.026	0.090	-0.045	0.110	PRX
57718	-1.107	-0.743	-1.753	-0.097	PPP4R4
57720	-0.136	0.015	-0.098	0.072	GPR107
57728	-1.184	1.109	0.000	-0.076	WDR19
57730	-0.669	3.909	4.056	-0.816	ANKRD36B
57731	0.001	0.302	0.000	0.303	SPTBN4
57733	0.000	0.000	0.000	0.000	GBA3
5774	-0.148	0.633	0.597	-0.112	PTPN3
5775	-0.261	0.750	1.166	-0.677	PTPN4
57758	-1.964	-0.888	-2.804	-0.048	SCUBE2
57761	-0.401	-2.655	-2.875	-0.181	TRIB3
57763	-0.082	0.914	0.988	-0.156	ANKRA2

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
5777	-0.438	1.554	1.336	-0.220	PTPN6
5778	0.000	0.000	0.091	-0.091	PTPN7
57787	-0.017	-0.207	-0.202	-0.022	MARK4
57794	-0.160	-0.084	0.110	-0.354	SUGP1
57795	0.003	-0.006	-0.004	0.000	FAM5B
57798	-0.243	-0.070	0.007	-0.170	GATAD1
57799	0.032	-0.135	-0.112	0.008	RAB40C
578	-0.069	0.412	0.276	0.067	BAK1
5780	0.063	0.115	0.780	-0.602	PTPN9
57804	-0.011	0.923	0.308	0.604	POLD4
57805	-0.001	0.000	-0.001	0.000	KIAA1967
5781	-0.134	-0.319	-0.154	-0.001	PTPN11
57817	0.121	-0.173	-0.029	-0.024	HAMP
57818	0.000	0.052	0.000	0.052	G6PC2
57819	0.244	0.875	0.792	0.327	LSM2
5782	0.220	-0.456	-0.088	-0.124	PTPN12
57820	0.441	-1.484	-0.895	-0.148	CCNB1IP1
57821	0.020	-0.168	-0.148	0.000	C1orf114
57823	0.205	-0.813	-0.652	0.044	SLAMF7
57824	-0.102	0.067	-0.102	0.067	HMHB1
57826	0.181	0.959	0.999	0.142	RAP2C
57827	-0.047	0.036	-0.109	0.099	C6orf47
57828	0.000	0.086	0.000	0.086	CATSPERG
5783	-0.328	1.551	1.475	-0.252	PTPN13
57830	0.000	0.000	0.000	0.000	KRTAP5-8
57834	1.249	-2.068	-0.757	-0.062	CYP4F11
57835	0.002	0.024	0.034	-0.007	SLC4A5
5784	0.599	-1.181	-0.846	0.264	PTPN14
5786	0.014	0.884	1.317	-0.419	PTPRA
57862	0.035	-1.678	-1.449	-0.194	ZNF410
57863	0.017	0.052	0.026	0.009	CADM3
5787	0.350	-0.589	-0.263	0.024	PTPRB
57876	-0.042	0.039	0.005	-0.008	MUC3B
5788	2.333	-3.550	-1.243	-0.004	PTPRC
5789	0.000	0.017	0.017	0.000	PTPRD
579	0.000	0.169	0.000	0.169	NKX3-2
5790	0.001	0.209	0.204	0.006	PTPRCAP
5791	0.311	0.508	0.745	0.074	PTPRE
5792	-0.515	2.337	1.846	-0.020	PTPRF
5793	1.247	-2.449	-0.961	-0.241	PTPRG
5794	0.266	-0.340	0.011	-0.085	PTPRH
5795	-0.011	0.083	-0.011	0.083	PTPRJ
5796	-0.634	2.306	1.605	0.067	PTPRK
5797	0.174	-1.238	-0.661	-0.403	PTPRM
5798	0.013	0.035	0.118	-0.070	PTPRN

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
5799	0.000	0.000	0.034	-0.034	PTPRN2
58	-0.203	1.720	-0.177	1.694	ACTA1
580	0.027	-1.030	-0.858	-0.145	BARD1
5800	-0.034	0.333	0.473	-0.174	PTPRO
5801	0.000	0.255	0.053	0.202	PTPRR
5802	0.154	-0.076	0.000	0.078	PTPRS
5803	0.125	4.600	5.600	-0.874	PTPRZ1
5805	0.338	0.145	0.116	0.367	PTS
5806	1.041	-2.731	-1.570	-0.120	PTX3
581	0.175	0.840	1.177	-0.161	BAX
5810	-0.208	-0.173	0.050	-0.290	RAD1
5813	-0.215	1.146	0.606	0.193	PURA
58155	-0.154	0.063	-0.311	0.220	PTBP2
58157	-0.001	0.000	-0.001	0.000	NGB
58158	0.000	0.149	0.007	0.142	NEUROD4
5816	0.000	0.227	0.000	0.227	PVALB
5817	-0.094	-0.823	-0.805	-0.057	PVR
5818	-0.016	0.082	-0.014	0.012	PVRL1
58189	0.007	-0.032	0.014	-0.039	WFDC1
5819	0.215	-1.798	-1.880	0.297	PVRL2
58190	-0.011	1.427	1.077	0.339	CTDSP1
582	-0.680	1.959	1.698	-0.419	BBS1
5820	-0.022	0.176	-0.022	0.175	PVT1
5822	-0.075	-1.372	-1.351	-0.096	PWP2
5824	-0.214	0.551	0.667	-0.330	PEX19
5825	-0.721	1.612	1.000	-0.109	ABCD3
5826	-0.083	0.262	0.066	0.114	ABCD4
5827	-0.462	1.508	1.273	-0.227	PXMP2
5828	-0.658	1.833	1.319	-0.144	PEX2
5829	-0.171	0.187	-0.128	0.143	PXN
5830	0.191	-1.056	-0.850	-0.015	PEX5
5831	-0.123	-0.151	-0.501	0.227	PYCR1
5832	-0.324	0.509	0.486	-0.300	ALDH18A1
5833	0.000	0.000	0.133	-0.133	PCYT2
5834	0.868	2.977	3.684	0.161	PYGB
5836	-0.224	2.322	2.206	-0.108	PYGL
5837	0.231	-0.449	-0.218	0.000	PYGM
58472	-0.204	-1.935	-2.220	0.081	SQRDL
58473	0.009	3.118	3.436	-0.309	PLEKHB1
58477	0.334	-0.652	-0.655	0.337	SRPRB
58478	-0.273	0.720	0.591	-0.144	ENOPH1
58483	-0.023	0.013	-0.023	0.013	LINC00474
58486	-0.403	0.911	0.595	-0.087	ZBED5
58487	0.016	-0.367	-0.239	0.000	CREBZF
58488	-0.091	2.047	2.731	-0.775	PCTP

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58494	1.244	-3.130	-1.926	0.040	JAM2
58495	-0.120	-0.060	-0.262	0.082	OVOL2
58497	-0.170	-0.192	-0.299	-0.082	PRUNE
58498	0.096	1.036	0.000	1.133	MYL7
585	-0.403	0.478	0.364	-0.289	BBS4
58500	-0.053	0.100	-0.022	0.068	ZNF250
58503	-2.680	-1.405	-4.101	0.016	PROL1
58504	0.000	0.481	0.233	0.248	ARHGAP22
58509	-0.507	-0.316	-0.855	0.123	CACTIN
58510	0.009	-0.009	0.000	0.000	PRODH2
58511	0.071	-0.037	0.001	0.033	DNASE2B
58513	0.053	-0.361	-0.224	-0.074	EPS15L1
58516	-0.184	-0.157	0.008	-0.349	FAM60A
58517	-0.155	-0.265	-0.286	-0.056	RBM25
58525	-0.137	-0.090	-0.225	-0.004	WIZ
58526	0.172	-0.100	0.256	-0.184	MID1IP1
58528	1.064	-3.103	-1.748	-0.290	RRAGD
58529	0.001	0.006	0.211	-0.204	MYOZ1
58530	0.145	-0.118	0.006	0.021	LY6G6D
58533	0.029	0.072	0.227	-0.126	SNX6
5858	0.009	0.008	0.000	0.018	PZP
5859	-0.040	0.958	0.879	0.039	QARS
586	0.076	-0.076	0.006	-0.006	BCAT1
5860	0.110	1.434	1.817	-0.273	QDPR
5861	0.186	-0.551	-0.312	-0.136	RAB1A
5862	0.060	-0.160	0.451	-0.315	RAB2A
5863	-0.223	0.448	0.279	-0.054	RGL2
5864	0.089	-0.079	0.087	-0.077	RAB3A
5865	0.001	0.066	0.000	0.067	RAB3B
5866	0.146	-0.101	-0.007	0.051	RAB3IL1
5867	-0.199	0.384	0.096	0.089	RAB4A
5868	0.377	-1.673	-0.934	-0.363	RAB5A
5869	-0.120	0.343	0.620	-0.397	RAB5B
587	0.057	0.365	-0.006	0.428	BCAT2
5870	-0.002	0.487	0.108	0.081	RAB6A
5871	0.029	-0.029	0.324	-0.324	MAP4K2
5872	-0.035	0.367	0.668	-0.335	RAB13
5873	0.290	-1.012	-0.484	-0.162	RAB27A
5874	-0.391	0.187	0.394	-0.598	RAB27B
5875	-0.260	0.835	0.490	0.086	RABGGTA
5876	-0.068	-1.331	-1.166	-0.067	RABGGTB
5877	0.259	-0.209	0.178	-0.129	RABIF
5878	0.104	-0.230	0.333	-0.460	RAB5C
5879	0.029	-0.423	-0.304	-0.091	RAC1
5880	-0.088	2.403	2.812	-0.496	RAC2

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
5881	0.033	0.416	0.000	0.449	RAC3
5883	-0.067	-0.551	-0.629	0.010	RAD9A
5884	-0.399	1.004	0.949	-0.165	RAD17
5885	0.168	-0.801	-0.450	-0.182	RAD21
5886	-0.063	-0.980	-0.802	-0.241	RAD23A
5887	-0.043	-0.620	-0.510	-0.153	RAD23B
5888	0.008	0.006	0.139	-0.126	RAD51
5889	0.010	1.138	1.000	0.148	RAD51C
5890	-0.003	0.042	0.002	0.037	RAD51B
5891	0.138	-1.327	-1.189	0.000	MOK
5892	0.013	0.011	-0.013	0.037	RAD51D
5893	-0.021	0.042	-0.024	0.003	RAD52
5894	-0.165	-1.406	-1.802	0.231	RAF1
5896	-0.036	0.026	0.029	-0.038	RAG1
5897	0.008	0.265	0.002	0.272	RAG2
5898	0.111	-0.220	-0.134	0.025	RALA
58985	0.000	0.000	0.004	-0.004	IL22RA1
58986	-0.705	1.670	0.505	0.459	TMEM8A
5899	-0.090	-0.024	0.055	-0.168	RALB
59	0.432	0.825	0.276	0.981	ACTA2
590	0.000	0.121	0.000	0.121	BCHE
5900	-0.005	-1.012	-0.693	-0.324	RALGDS
5901	0.147	-0.825	-1.046	0.368	RAN
5902	0.067	-0.032	0.004	0.058	RANBP1
5903	-0.274	-0.067	0.015	-0.047	RANBP2
5905	-0.220	-1.595	-1.726	-0.090	RANGAP1
5906	0.132	0.594	0.545	0.181	RAP1A
59067	-0.002	0.013	0.008	0.003	IL21
5908	0.214	-0.276	-0.250	0.188	RAP1B
5909	0.008	0.075	0.096	-0.013	RAP1GAP
5910	-0.371	0.439	0.095	-0.028	RAP1GDS1
5911	0.167	0.166	0.245	0.087	RAP2A
5912	0.263	-0.630	-0.127	-0.240	RAP2B
5913	0.000	0.000	0.000	0.000	RAPSN
5914	-0.056	0.079	-0.074	-0.037	RARA
5915	0.000	0.002	0.021	-0.060	RARB
5916	0.000	0.000	0.163	0.000	RARG
5917	-0.353	0.439	0.280	-0.194	RARS
5918	-1.593	4.620	3.420	-0.321	RARRES1
5919	0.367	-0.814	-1.247	0.800	RARRES2
5920	-0.938	2.051	1.028	0.084	RARRES3
5921	0.157	3.934	4.325	-0.233	RASA1
5922	0.708	-2.258	-0.485	-1.065	RASA2
5923	0.000	0.000	0.000	0.000	RASGRF1
5925	-0.269	-0.105	-0.398	0.024	RB1

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
5926	-0.256	0.228	-0.118	0.090	ARID4A
59269	0.236	-0.323	-0.087	0.001	HIVEP3
5927	0.166	-0.683	-0.382	-0.135	KDM5A
59272	0.252	0.198	0.086	0.364	ACE2
5928	0.000	0.261	0.176	-0.027	RBBP4
59286	-0.283	1.144	0.432	0.430	UBL5
5929	0.029	-1.571	-0.945	-0.596	RBBP5
593	-0.264	0.080	-0.071	-0.113	BCKDHA
5930	-0.014	-2.438	-2.177	-0.194	RBBP6
59307	-0.247	0.820	0.497	0.076	SIGIRR
5931	-0.015	0.928	0.741	0.172	RBBP7
5932	-0.034	0.682	0.832	-0.184	RBBP8
5933	-0.010	0.219	0.504	-0.295	RBL1
59335	-0.015	0.625	0.286	0.324	PRDM12
59336	0.000	0.133	0.000	0.133	PRDM13
59338	0.164	0.247	0.247	0.164	PLEKHA1
59339	0.394	0.182	-0.009	0.585	PLEKHA2
5934	-0.181	0.526	1.009	-0.665	RBL2
59340	-0.042	0.091	-0.042	0.091	HRH4
59341	-0.016	2.383	2.434	-0.067	TRPV4
59342	-0.363	3.549	2.879	0.307	SCPEP1
59343	0.158	-2.161	-2.407	0.404	SEN2
59344	-0.066	-0.003	-0.091	0.022	ALOXE3
59347	0.145	0.176	-0.033	0.354	FKSG2
59348	-0.112	-0.752	-0.672	-0.191	ZNF350
59349	-0.340	0.736	0.337	0.059	KLHL12
5935	0.287	-0.043	-0.055	0.299	RBM3
59351	0.000	0.009	0.003	0.006	PBOV1
59353	0.000	0.000	0.188	-0.188	TMEM35
5936	-0.063	-1.171	-0.766	-0.468	RBM4
5937	0.098	-0.017	0.180	-0.090	RBMS1
5939	-0.030	-0.228	-0.172	-0.086	RBMS2
594	-0.035	0.880	1.004	-0.158	BCKDHB
5947	-0.988	5.004	3.325	0.691	RBP1
5949	0.000	0.078	0.083	-0.005	RBP3
595	-1.113	3.900	2.501	0.285	CCND1
5950	-0.034	-0.048	-0.084	0.003	RBP4
5954	-0.318	0.774	0.482	-0.026	RCN1
5955	-0.198	2.615	2.282	0.135	RCN2
5957	0.000	0.000	0.004	-0.004	RCVRN
5959	-0.021	0.114	-0.021	0.114	RDH5
596	0.015	-0.004	-0.060	0.100	BCL2
5961	0.000	0.027	0.041	-0.014	PRPH2
5962	0.185	-0.942	-0.924	0.118	RDX
5965	-0.023	0.207	0.360	-0.298	RECQL

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5966	0.006	-1.742	-1.286	-0.449	REL
5967	0.000	0.024	0.000	0.024	REG1A
5968	0.000	0.000	0.001	-0.001	REG1B
5969	0.001	0.114	0.000	0.114	REG1P
597	2.181	-5.951	-3.658	-0.112	BCL2A1
5970	0.278	-2.793	-2.404	-0.111	RELA
5971	0.271	-2.962	-2.146	-0.545	RELB
5972	0.000	0.000	0.000	0.000	REN
5973	0.000	0.124	0.215	-0.091	RENBP
5976	-0.220	-0.846	-0.940	-0.127	UPF1
5977	-0.156	-0.195	-0.230	-0.120	DPF2
5978	-0.040	0.435	0.061	0.142	REST
5979	0.000	0.030	0.006	0.015	RET
598	-0.170	-0.162	-0.228	-0.104	BCL2L1
5980	-0.160	-0.840	-0.559	-0.441	REV3L
5981	0.000	-0.245	0.059	-0.247	RFC1
5982	-0.047	-0.362	-0.439	0.030	RFC2
5983	0.008	0.174	0.122	0.060	RFC3
5984	-0.194	0.700	0.379	0.127	RFC4
5985	-0.393	0.378	0.281	-0.297	RFC5
5986	0.100	0.155	0.235	0.021	RFNG
5987	0.374	-0.827	-0.354	-0.099	TRIM27
5988	0.036	-0.036	0.000	0.000	RFPL1
5989	0.000	0.000	0.000	0.000	RFX1
599	-0.236	0.219	0.390	-0.407	BCL2L2
5990	0.112	-0.542	-0.502	0.071	RFX2
5991	0.049	-0.074	-0.025	0.000	RFX3
5992	0.000	0.076	0.000	0.076	RFX4
5993	0.150	-0.135	0.257	-0.242	RFX5
5994	-0.062	0.000	0.027	-0.089	RFXAP
5995	0.000	0.000	0.010	-0.010	RGR
5996	0.783	-3.097	-2.536	0.132	RGS1
5997	0.920	0.354	1.514	-0.239	RGS2
5998	0.252	0.311	0.584	-0.021	RGS3
5999	0.092	0.028	1.677	-1.040	RGS4
60	-0.073	-0.037	-0.418	0.181	ACTB
6000	0.000	0.036	0.000	0.036	RGS7
6001	0.322	-0.467	-0.143	-0.002	RGS10
6002	-0.030	0.002	-0.009	-0.019	RGS12
6003	0.013	0.009	0.000	0.022	RGS13
6004	0.586	-2.449	-1.942	0.079	RGS16
6005	0.000	0.110	0.000	0.110	RHAG
6006	0.050	-0.050	0.000	0.000	RHCE
6007	0.000	0.000	0.000	0.000	RHD
6009	0.242	-1.424	-0.856	0.028	RHEB

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6010	-0.100	-0.004	-0.104	0.000	RHO
6011	0.003	-0.003	0.028	-0.028	GRK1
6013	-0.033	0.000	-0.033	0.000	RLN1
6014	0.000	0.260	0.000	0.260	RIT2
6015	-0.130	-0.334	-0.425	-0.039	RING1
6016	0.309	-1.992	-1.498	-0.185	RIT1
6017	0.000	0.257	0.000	0.257	RLBP1
6018	-0.001	-3.546	-2.843	-0.703	RLF
6019	-0.069	0.118	0.097	-0.048	RLN2
602	-0.047	-0.777	-0.587	-0.237	BCL3
60312	0.134	0.314	0.310	0.139	AFAP1
60313	-0.078	0.019	-0.329	0.270	GPBP1L1
60314	0.095	-0.031	-0.124	0.189	C12orf10
60343	0.011	0.375	0.255	0.131	FAM3A
6035	0.016	1.973	1.496	0.493	RNASE1
6036	0.000	0.070	0.095	-0.024	RNASE2
6037	0.000	0.009	0.000	0.009	RNASE3
60370	-0.053	-0.594	-0.603	-0.043	AVPI1
6038	-0.062	-0.604	-0.400	-0.266	RNASE4
60385	0.000	0.129	0.048	0.081	TSKS
6039	0.199	0.082	0.605	-0.324	RNASE6
604	-0.136	-1.486	-1.357	-0.265	BCL6
60401	0.000	0.286	0.061	0.225	EDA2R
6041	-0.048	0.745	0.920	-0.223	RNASEL
60436	-0.204	-1.048	-0.930	-0.323	TGIF2
60439	0.000	0.000	0.000	0.000	TTY2
6045	0.002	0.090	0.000	0.093	RNF2
6046	-0.022	-2.505	-2.328	-0.129	BRD2
60467	-0.009	-0.009	-0.019	0.000	BPESC1
60468	0.766	-0.910	-0.326	0.182	BACH2
6047	0.282	-1.692	-1.393	-0.017	RNF4
6048	0.043	1.352	0.960	0.435	RNF5
60481	-0.118	-0.588	-0.678	-0.027	ELOVL5
60482	0.000	0.000	0.020	-0.020	SLC5A7
60484	0.000	0.127	0.000	0.127	HAPLN2
60485	0.227	-0.647	0.142	-0.561	SAV1
60487	0.108	-0.203	0.020	-0.114	TRMT11
60488	-0.317	0.256	-0.008	-0.053	MRPS35
60489	-0.078	1.859	1.389	0.392	APOBEC3G
6049	0.014	-0.650	-0.814	0.000	RNF6
60490	-0.070	0.517	0.918	-0.472	PPCDC
60491	-0.169	0.944	0.867	-0.092	NIF3L1
60492	-0.213	1.903	1.597	0.093	CCDC90B
60493	0.368	-3.142	-2.282	-0.492	FASTKD5
60494	0.000	0.000	0.000	0.000	CCDC81

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60495	0.023	0.166	0.165	0.024	HPSE2
60496	-0.394	0.818	0.690	-0.266	AASDHPPT
605	0.100	-0.397	-0.142	-0.155	BCL7A
6050	-0.037	0.019	-0.327	0.308	RNH1
60506	0.073	0.024	0.000	0.097	NYX
60509	-0.033	1.175	1.792	-0.651	AGBL5
6051	-0.548	1.032	0.794	-0.310	RNPEP
60526	-0.308	1.194	1.211	-0.326	C2orf43
60528	-0.031	-0.018	-0.033	-0.016	ELAC2
60529	0.010	-0.010	0.000	0.000	ALX4
60558	-0.971	0.060	-1.182	0.271	GUF1
60559	-0.091	0.110	0.153	-0.134	SPCS3
60560	-0.047	-0.285	-0.163	-0.170	NAA35
60561	-0.065	-0.794	-0.592	-0.266	RINT1
6059	-0.020	-0.919	-0.859	-0.079	ABCE1
60598	0.000	0.108	0.019	0.088	KCNK15
60625	-0.422	-0.067	-0.576	0.087	DHX35
60626	-0.269	0.317	-0.055	0.103	RIC8A
60672	-0.077	0.309	-0.042	0.274	MIIP
60673	0.148	-1.862	-2.047	0.333	C12orf44
60676	0.000	0.000	0.000	0.000	PAPPA2
60681	0.104	-0.020	0.589	-0.505	FKBP10
60682	0.016	-0.609	-0.619	0.026	SMAP1
60684	-0.329	1.775	1.978	-0.531	TRAPPC11
60685	-0.104	-0.932	-0.780	-0.256	ZFAND3
60686	0.000	0.887	0.303	0.585	C14orf93
607	-0.238	-0.066	-0.268	-0.036	BCL9
608	0.061	-0.061	0.000	0.000	TNFRSF17
6091	-0.058	1.636	1.729	-0.151	ROBO1
6093	-0.230	0.342	0.165	-0.053	ROCK1
6094	0.000	0.105	0.113	-0.007	ROM1
6095	1.297	-3.955	-2.056	-0.602	RORA
6096	0.001	-0.001	0.001	-0.001	RORB
6097	0.000	0.080	0.008	0.071	RORC
6098	-0.005	0.000	-0.005	0.000	ROS1
610	-0.031	0.094	-0.004	0.068	HCN2
6102	0.071	-1.248	-1.164	-0.013	RP2
6103	0.396	-4.265	-3.234	-0.635	RPGR
611	0.041	0.084	0.001	0.124	OPN1SW
6117	-0.325	0.711	0.640	-0.253	RPA1
6118	-0.498	1.045	0.518	0.029	RPA2
6119	-0.681	1.896	1.121	0.095	RPA3
6120	-0.104	0.415	0.294	0.017	RPE
6121	0.019	-0.019	0.000	0.000	RPE65
6122	0.140	-0.535	-0.397	0.022	RPL3

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6123	0.004	-0.017	-0.013	0.000	RPL3L
6124	0.123	-0.400	-0.203	-0.069	RPL4
6125	0.023	-0.255	-0.336	-0.051	RPL5
6128	-0.061	0.126	0.031	0.033	RPL6
6129	-0.045	-0.046	-0.143	0.101	RPL7
613	0.044	0.206	0.026	0.223	BCR
6130	0.037	-0.168	0.019	-0.150	RPL7A
6132	0.105	-1.035	-1.229	0.299	RPL8
6133	-0.054	-0.105	-0.382	0.223	RPL9
6134	-0.061	-0.216	-0.329	0.132	RPL10
6135	0.084	-0.371	-0.293	0.006	RPL11
6136	0.195	-0.374	-0.244	0.059	RPL12
6137	0.160	-0.424	-0.416	0.160	RPL13
6138	0.090	0.073	0.120	0.043	RPL15
6139	0.014	-0.396	-0.495	0.172	RPL17
6141	0.012	-0.078	-0.496	0.078	RPL18
6143	0.126	-0.486	-0.313	-0.047	RPL19
6144	-0.056	-0.107	-0.346	0.183	RPL21
6146	0.092	-0.201	-0.017	-0.136	RPL22
6147	0.094	-0.247	-0.108	-0.048	RPL23A
6150	-0.172	1.052	0.663	0.217	MRPL23
6152	-0.004	-0.319	-0.259	-0.065	RPL24
6154	0.168	0.022	0.165	0.025	RPL26
6155	0.041	0.129	0.147	0.023	RPL27
6156	0.083	-0.470	-0.311	-0.076	RPL30
6157	0.161	0.130	0.416	-0.125	RPL27A
6158	-0.046	-0.872	-0.864	-0.054	RPL28
6159	0.189	-0.689	-0.649	0.174	RPL29
6160	0.445	-0.735	-0.163	-0.331	RPL31
6161	0.110	-0.350	-0.209	-0.030	RPL32
6164	0.018	-0.247	-0.506	0.277	RPL34
6165	-0.003	0.022	-0.080	0.007	RPL35A
6166	0.002	-0.274	-0.321	0.050	RPL36AL
6167	0.010	0.000	-0.128	0.138	RPL37
6168	-0.117	0.055	-0.156	-0.215	RPL37A
6169	0.056	0.102	0.471	-0.256	RPL38
617	-0.604	0.212	-0.321	-0.071	BCS1L
6170	0.004	-0.024	-0.102	0.082	RPL39
6171	0.004	-0.142	-0.059	-0.079	RPL41
6173	0.116	-0.015	-0.297	0.398	RPL36A
6175	0.121	-0.456	-0.420	0.116	RPLP0
6176	0.065	0.108	-0.025	0.198	RPLP1
6181	-0.058	0.094	-0.030	0.096	RPLP2
6182	-0.452	0.996	0.685	-0.141	MRPL12
6183	-0.101	-0.027	-0.165	0.004	MRPS12

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6184	0.365	-0.770	-0.293	-0.112	RPN1
6185	-0.066	0.813	0.690	-0.013	RPN2
6187	0.011	-0.407	-0.594	0.155	RPS2
6188	-0.035	-0.540	-0.885	0.311	RPS3
6189	-0.045	-0.108	-0.071	-0.030	RPS3A
6191	-0.030	-0.118	-0.212	0.022	RPS4X
6192	0.027	0.047	0.029	0.045	RPS4Y1
6193	0.241	-0.596	-0.722	0.367	RPS5
6194	0.021	-0.414	-0.224	-0.025	RPS6
619426	-0.150	0.014	-0.140	0.005	C8orf60
6195	-0.001	-0.198	0.010	-0.209	RPS6KA1
619505	-0.670	-0.371	-0.746	-0.294	SNORA21
6196	-0.403	1.097	1.158	-0.464	RPS6KA2
6197	-0.306	-1.319	-1.296	-0.330	RPS6KA3
6198	-0.079	-2.045	-2.040	-0.084	RPS6KB1
6199	-0.171	0.476	-0.259	0.564	RPS6KB2
6201	0.081	-0.207	-0.284	0.158	RPS7
6202	0.046	-0.152	-0.170	0.064	RPS8
6203	0.076	-0.339	-0.553	0.290	RPS9
6204	0.060	-0.149	-0.343	0.254	RPS10
6205	0.112	0.446	0.786	-0.228	RPS11
6206	0.027	-0.049	-0.139	0.117	RPS12
6207	-0.005	-0.367	-0.364	-0.007	RPS13
6208	-0.027	-0.417	-0.489	0.046	RPS14
6209	0.095	-0.467	-0.550	0.178	RPS15
6210	-0.042	-0.051	-0.062	-0.031	RPS15A
6217	0.072	-0.480	-0.508	0.100	RPS16
6218	0.152	0.129	0.184	0.098	RPS17
622	-0.050	0.250	0.410	-0.210	BDH1
6222	0.113	-0.288	-0.257	0.082	RPS18
6223	0.091	-0.232	-0.158	0.055	RPS19
6224	-0.028	0.045	-0.064	0.080	RPS20
6227	0.350	-1.138	-0.916	0.128	RPS21
6228	0.041	-0.190	-0.209	0.060	RPS23
6229	0.031	-0.098	-0.122	0.056	RPS24
623	0.959	-1.021	-0.027	-0.035	BDKRB1
6230	-0.071	-0.001	-0.045	-0.027	RPS25
6231	-0.675	0.947	-0.192	0.464	RPS26
6232	0.131	0.161	0.027	0.265	RPS27
6233	-0.010	-0.014	-0.161	0.137	RPS27A
6234	-0.075	-0.518	-0.740	0.053	RPS28
6235	0.065	0.015	-0.192	0.272	RPS29
6236	-0.523	-2.261	-3.151	0.368	RRAD
6237	0.097	0.538	0.476	0.159	RRAS
6238	-0.063	0.125	0.078	-0.104	RRBP1

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
6239	0.000	0.001	0.020	0.000	RREB1
624	0.514	-1.053	-0.574	0.035	BDKRB2
6240	-0.088	0.467	0.542	-0.163	RRM1
6241	0.238	2.048	2.625	-0.339	RRM2
6247	0.000	0.000	0.000	0.000	RS1
6249	-0.320	0.338	0.103	-0.084	CLIP1
6251	0.035	0.883	0.948	-0.030	RSU1
6252	-0.099	0.321	0.145	0.077	RTN1
6253	0.105	0.744	0.781	0.067	RTN2
6256	-0.113	0.241	0.091	0.037	RXRA
6257	0.046	-0.046	-0.309	0.260	RXRB
6258	0.000	0.065	0.056	0.008	RXRG
6259	0.076	0.546	1.060	-0.314	RYK
6261	-0.111	0.000	-0.092	-0.019	RYR1
6262	0.010	0.066	0.094	-0.018	RYR2
6263	-0.033	0.000	-0.033	0.000	RYR3
627	0.000	0.714	0.011	0.703	BDNF
6271	1.527	0.762	2.246	0.043	S100A1
6272	-0.151	0.914	0.956	-0.193	SORT1
6273	-0.495	3.729	2.886	0.349	S100A2
6274	-0.001	-0.083	0.124	-0.208	S100A3
6275	0.810	6.686	7.862	-0.366	S100A4
6276	0.008	-0.008	0.008	-0.008	S100A5
6277	0.284	1.405	1.560	0.129	S100A6
6278	2.589	4.422	6.603	0.408	S100A7
6279	1.958	0.922	3.711	-0.832	S100A8
6280	1.845	1.465	3.927	-0.617	S100A9
6281	0.115	0.230	0.431	-0.086	S100A10
6282	-0.169	1.214	1.065	-0.019	S100A11
6283	0.131	0.071	0.152	0.050	S100A12
6284	0.408	0.831	1.168	0.071	S100A13
6285	0.069	6.838	7.612	-0.705	S100B
6286	-1.909	1.838	-0.373	0.302	S100P
629	-0.519	0.111	-0.121	-0.287	CFB
6290	0.092	0.004	0.000	0.096	SAA3P
6291	1.491	0.420	2.493	-0.582	SAA4
6293	-0.904	1.963	1.150	-0.091	VPS52
6294	0.000	-1.397	-1.413	0.012	SAFB
6295	0.000	0.000	0.000	0.000	SAG
6296	-0.096	0.167	-0.089	0.159	ACSM3
6297	-0.244	0.542	0.660	-0.362	SALL2
6299	0.448	-0.450	-0.003	0.002	SALL1
6301	-0.190	-0.805	-1.315	0.319	SARS
6302	-0.292	0.951	1.071	-0.412	TSPAN31
6303	-0.285	0.380	0.248	-0.065	SAT1

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63035	-0.067	-0.114	-0.153	-0.028	BCORL1
6304	0.168	0.842	1.559	-0.549	SATB1
6305	-0.122	-0.153	-0.268	0.024	SBF1
6307	0.029	-0.433	-0.489	0.085	MSMO1
6309	-0.397	0.223	-0.246	0.072	SC5DL
631	-0.001	0.205	0.465	-0.261	BFSP1
6310	-0.216	1.237	1.348	-0.327	ATXN1
6311	-0.521	0.194	-0.198	-0.129	ATXN2
6314	-0.292	-0.896	-1.185	-0.003	ATXN7
6315	0.000	0.000	0.000	0.000	ATXN8OS
6317	1.835	-5.109	-2.416	-0.857	SERPINB3
6318	2.111	-6.426	-4.209	-0.105	SERPINB4
6319	-0.368	0.018	-0.298	-0.043	SCD
6320	0.000	0.158	0.139	-0.061	CLEC11A
6322	0.414	-2.729	-3.269	0.954	SCML1
6323	0.000	0.497	0.061	0.437	SCN1A
6324	0.256	-0.235	0.085	-0.064	SCN1B
6326	0.000	0.017	0.000	0.017	SCN2A
6327	0.035	-0.069	-0.032	-0.002	SCN2B
6328	0.031	-0.036	-0.005	0.000	SCN3A
6329	0.113	-0.056	0.000	0.057	SCN4A
633	-0.017	0.334	-0.282	0.862	BGN
6331	0.000	0.000	0.026	-0.026	SCN5A
6332	-0.003	0.000	-0.003	0.000	SCN7A
6334	0.000	0.000	0.000	0.000	SCN8A
6335	0.013	0.073	0.298	-0.212	SCN9A
6336	0.025	0.037	0.000	0.062	SCN10A
6337	-0.046	0.031	-0.051	0.037	SCNN1A
6338	0.115	0.314	0.541	-0.112	SCNN1B
6339	0.000	0.000	0.000	0.000	SCNN1D
634	0.982	-1.094	0.073	-0.121	CEACAM1
6340	0.011	0.013	-0.001	0.025	SCNN1G
6342	-0.698	2.338	1.762	-0.123	SCP2
6343	0.000	0.000	0.000	0.000	SCT
6344	0.000	0.000	0.000	0.000	SCTR
6346	0.000	0.000	0.000	0.000	CCL1
6347	-0.056	-1.736	-3.255	1.463	CCL2
635	0.000	0.000	0.000	0.000	BHMT
6351	1.860	-4.380	-2.598	0.078	CCL4
6352	0.465	-0.616	-0.146	-0.006	CCL5
6354	-0.091	-0.018	-0.218	0.110	CCL7
6355	0.241	-0.797	-0.747	0.192	CCL8
6356	-0.003	0.365	0.091	0.271	CCL11
6357	0.000	0.433	0.167	0.265	CCL13
636	0.089	1.225	1.784	-0.470	BICD1

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6360	0.120	0.287	0.013	0.394	CCL16
6361	-0.137	0.008	-0.137	0.008	CCL17
6362	0.002	0.097	0.020	0.079	CCL18
6363	0.167	-0.226	-0.059	0.000	CCL19
6364	2.080	-6.249	-3.415	-0.754	CCL20
6366	-0.570	-0.242	-1.082	0.270	CCL21
6367	-0.429	-0.180	-0.733	0.124	CCL22
6368	-0.021	-0.002	-0.004	-0.019	CCL23
6369	0.005	-0.005	0.010	-0.010	CCL24
637	0.423	-0.850	-0.380	-0.047	BID
6370	-0.002	0.000	-0.002	0.000	CCL25
6372	-0.784	-0.506	-0.642	-0.648	CXCL6
6373	0.008	0.456	0.009	0.455	CXCL11
6374	2.088	-4.509	-2.490	0.000	CXCL5
6375	1.070	-1.636	-0.566	0.000	XCL1
6376	-0.224	-0.794	-1.230	0.212	CX3CL1
638	0.232	0.202	1.037	-0.603	BIK
6382	-0.220	1.995	1.202	0.573	SDC1
63826	-0.444	0.597	0.708	-0.555	SRR
63827	0.000	0.093	0.031	0.062	BCAN
6383	0.324	0.210	0.805	0.432	SDC2
6385	0.284	-0.389	-0.239	0.134	SDC4
6386	0.134	-1.698	-1.198	-0.366	SDCBP
6387	0.524	-1.130	-0.548	-0.057	CXCL12
63874	0.269	-0.595	-0.767	0.441	ABHD4
63875	0.040	0.955	1.011	-0.016	MRPL17
63876	0.000	0.237	0.043	0.196	PKNOX2
63877	-0.046	-0.073	-0.161	0.042	FAM204A
6388	0.025	-0.027	-0.053	0.051	SDF2
6389	-0.299	0.361	-0.001	0.063	SDHA
63891	-0.011	0.172	0.068	0.093	RNF123
63892	1.074	-1.304	-0.379	0.150	THADA
63893	0.243	-0.692	-0.253	-0.196	UBE2O
63894	-0.247	1.299	1.047	0.005	VIPAS39
63895	-0.036	0.109	-0.015	0.088	PIEZO2
63897	0.004	0.374	0.382	-0.004	HEATR6
63898	-0.446	0.535	-0.199	0.289	SH2D4A
63899	-0.214	-0.079	-0.092	-0.202	NSUN3
639	1.753	-3.100	-1.218	-0.129	PRDM1
6390	0.023	0.125	0.018	0.130	SDHB
63901	-0.717	1.795	0.800	0.278	FAM111A
63904	0.000	0.010	0.001	0.008	DUSP21
63906	0.494	-1.855	-1.438	0.077	GPATCH3
6391	-0.555	1.627	1.109	-0.002	SDHC
63910	0.110	0.030	-0.031	0.171	SLC17A9

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63916	-0.415	-0.913	-1.102	-0.162	ELMO2
63917	0.133	2.095	2.285	-0.057	GALNT11
6392	0.021	-0.141	0.054	-0.174	SDHD
63920	-0.054	0.824	1.908	-1.138	C5orf54
63923	0.371	-0.428	-0.135	0.077	TNN
63924	-0.033	-0.076	-0.069	-0.040	CIDEC
63925	0.014	-0.014	-0.058	-0.002	ZNF335
63926	-0.505	0.244	-0.111	-0.150	ANKRD5
63928	0.000	0.000	0.047	-0.047	CHP2
63929	-0.007	0.000	0.102	-0.109	XPNPEP3
63931	-0.047	0.881	1.016	-0.183	MRPS14
63932	0.012	0.008	-0.145	0.166	CXorf56
63933	-0.289	-0.287	-0.302	-0.274	CCDC90A
63934	0.204	-0.042	-0.023	0.185	ZNF667
63935	0.108	-0.698	-0.831	0.341	PCIF1
63940	0.197	0.101	0.169	0.129	GPSM3
63941	-0.122	-0.026	-0.005	-0.143	NECAB3
63943	0.038	-0.363	-0.468	0.143	FKBPL
6396	0.165	-0.101	-0.068	0.133	SEC13
63967	-0.008	-0.011	0.089	-0.108	CLSPN
6397	-0.028	-1.554	-0.877	-0.673	SEC14L1
63970	0.027	0.016	0.058	-0.015	TP53AIP1
63971	0.000	0.337	0.197	0.140	KIF13A
63973	0.050	0.002	-0.010	0.063	NEUROG2
63974	-0.006	0.234	-0.005	0.233	NEUROD6
63976	0.000	0.000	0.000	0.000	PRDM16
63978	0.000	0.000	0.001	-0.001	PRDM14
6398	-0.954	-0.270	-1.203	-0.022	SECTM1
63982	0.000	0.085	0.116	-0.031	ANO3
6399	-0.686	0.630	-0.046	-0.010	TRAPPC2
640	-0.010	0.000	-0.010	0.000	BLK
6400	0.262	-0.831	-0.060	-0.343	SEL1L
6401	-0.521	-5.319	-5.736	-0.104	SELE
6402	0.003	0.040	0.047	-0.005	SELL
6403	0.331	-0.418	-0.087	0.000	SELP
6404	0.268	-0.464	-0.307	0.111	SELPLG
6405	-0.043	0.376	0.116	0.216	SEMA3F
6406	0.000	0.137	0.000	0.137	SEMG1
64061	0.244	-3.499	-3.576	0.322	TSPYL2
64062	0.000	0.000	0.012	0.000	RBM26
64063	-0.199	0.166	-0.012	-0.021	PRSS22
64064	0.041	0.126	0.003	0.164	OXCT2
64065	-0.202	1.959	1.718	0.040	PERP
64066	-0.033	-0.034	-0.050	-0.017	MMP27
64067	0.006	0.150	0.002	0.154	NPAS3

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6407	0.036	-0.044	-0.004	-0.004	SEMG2
64077	-0.006	0.690	1.015	-0.330	LHPP
64078	1.868	-1.659	2.005	-1.796	SLC28A3
64080	-0.059	0.211	-0.026	0.178	RBKS
64081	-0.549	1.737	1.235	-0.047	PBLD
64083	0.121	-0.136	0.236	-0.251	GOLPH3
64084	-0.005	-0.007	0.004	-0.016	CLSTN2
64087	-0.525	0.510	0.395	-0.410	MCCC2
64089	-0.130	-1.603	-0.730	-1.002	SNX16
64091	0.000	0.000	0.000	0.000	POPDC2
64092	1.508	-2.761	-1.274	0.021	SAMSN1
64096	0.018	-0.018	0.004	-0.004	GFRA4
64097	-0.005	0.052	0.011	0.037	EPB41L4A
641	0.000	0.051	0.063	-0.012	BLM
64100	-0.010	0.000	-0.010	0.000	ELSPBP1
64102	0.000	0.000	0.017	-0.017	TNMD
64106	0.015	-0.018	-0.003	0.000	NPFFR1
64108	1.506	-0.659	1.140	-0.293	RTP4
64109	0.033	0.071	0.046	0.058	CRLF2
64110	-0.343	1.921	1.755	-0.178	MAGEF1
64111	-0.004	0.089	0.016	0.069	NPVF
64112	0.157	-0.907	-0.652	-0.099	MOAP1
64114	0.106	-0.103	0.000	0.003	TMBIM1
64116	1.120	-0.236	0.664	-0.082	SLC39A8
64118	-0.263	0.342	0.043	0.037	DUS1L
64121	0.046	-1.879	-1.754	-0.079	RRAGC
64122	0.000	0.000	0.011	-0.011	FN3K
64123	0.972	-5.340	-4.056	-0.311	ELTD1
64127	1.885	-4.044	-1.448	-0.710	NOD2
64129	-0.083	2.595	2.220	0.291	TINAGL1
64130	0.000	0.589	-0.002	0.591	LIN7B
64131	0.361	0.723	0.914	0.169	XYLT1
64132	0.012	0.687	0.440	0.259	XYLT2
641339	-0.051	-0.025	-0.075	0.000	ZNF674
64135	-0.081	-0.020	-0.149	0.048	IFIH1
64137	0.079	-0.058	0.309	-0.288	ABCG4
6414	0.704	-1.096	-0.317	-0.076	SEPP1
64149	-0.448	1.454	0.895	0.112	C17orf75
6415	-0.309	2.529	1.681	0.540	SEPW1
64151	0.065	0.277	0.755	-0.412	NCAPG
6416	-0.057	-1.083	-1.256	0.116	MAP2K4
64167	0.000	0.545	0.308	0.237	ERAP2
64170	0.054	0.740	0.239	0.554	CARD9
64172	0.021	0.392	0.916	-0.504	OSGEPL1
64174	0.000	0.074	0.000	0.074	DPEP2

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
64175	0.067	0.611	0.402	0.276	LEPRE1
6418	-0.105	0.201	0.080	-0.057	SET
64180	0.000	0.046	0.000	0.046	DPEP3
64184	0.051	-0.047	0.000	0.004	EDDM3B
6419	0.238	-0.599	-0.421	0.060	SETMAR
642	0.006	-1.076	-0.324	-0.746	BLMH
64208	0.225	1.515	2.288	-0.548	POPDC3
6421	0.026	-1.363	-1.764	0.092	SFPQ
64210	-0.047	-0.006	0.157	-0.210	MMS19
64211	-0.005	0.061	-0.005	0.061	LHX5
64215	-0.129	0.327	0.247	-0.049	DNAJC1
64216	0.055	-2.096	-1.561	-0.479	TFB2M
64218	-0.480	0.205	-0.241	-0.034	SEMA4A
64219	0.316	0.232	0.845	-0.297	PJA1
6422	0.663	2.311	3.381	-0.475	SFRP1
64220	-0.098	2.472	2.222	0.152	STRA6
64221	-0.342	1.368	0.573	0.453	ROBO3
64222	-0.361	1.032	0.541	0.130	TOR3A
64223	0.158	1.000	0.671	0.487	MLST8
642236	0.512	-0.401	0.469	-0.358	LOC642236
64231	-0.080	-0.021	-0.101	0.000	MS4A6A
64232	0.000	0.000	0.000	0.000	MS4A5
64236	0.243	0.463	0.451	0.255	PDLIM2
6424	0.356	-1.195	-0.793	-0.047	SFRP4
64240	0.000	0.025	0.000	0.025	ABCG5
6425	-0.013	-0.002	-0.007	-0.008	SFRP5
642559	0.002	0.084	0.007	0.079	POU5F1P3
6426	0.024	0.035	-0.186	0.191	SRSF1
642636	0.087	-0.129	-0.040	-0.001	RAD21L1
6427	-0.170	-0.471	-0.875	0.270	SRSF2
6428	0.142	-1.352	-1.255	0.129	SRSF3
64283	-0.428	1.810	2.235	-0.853	ARHGEF28
64284	-0.345	0.865	0.598	-0.079	RAB17
64285	-0.496	0.689	0.286	-0.094	RHBDF1
64288	-0.003	0.429	0.339	0.087	ZNF323
6429	0.246	-1.455	-0.916	-0.294	SRSF4
643	0.009	-0.006	0.000	0.004	CXCR5
6430	0.033	-0.960	-1.032	-0.082	SRSF5
6431	0.739	-1.963	-1.239	0.015	SRSF6
64318	0.036	-1.440	-1.169	-0.235	NOC3L
64319	-0.021	-0.224	-0.321	0.075	FBRF
6432	0.003	-0.561	-0.546	-0.009	SRSF7
64320	-0.385	0.056	-0.204	-0.125	RNF25
64321	0.297	-1.860	-1.510	-0.053	SOX17
643224	0.174	-0.168	0.777	-0.770	TUBBP5

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64324	-0.135	0.410	0.167	0.108	NSD1
64328	0.026	-1.335	-1.210	-0.098	XPO4
6433	-0.111	-1.654	-1.218	-0.281	SFSWAP
643314	0.000	0.305	0.711	-0.406	KIAA0754
643376	-0.005	0.000	-0.005	0.000	BTBD18
6434	0.136	-2.145	-2.270	-0.036	TRA2B
64342	-0.156	-0.304	-0.277	-0.183	HS1BP3
64343	0.282	-0.501	-0.173	-0.045	AZI2
64344	-0.046	-0.001	-0.049	0.000	HIF3A
643641	-0.006	0.487	0.997	-0.516	ZNF862
64374	-0.243	1.101	0.687	0.171	SIL1
64375	0.051	-0.019	0.012	0.020	IKZF4
64376	-0.212	-3.644	-4.011	0.156	IKZF5
64377	0.059	0.025	-0.048	0.132	CHST8
643854	0.764	-1.647	-0.680	-0.203	CTAGE9
64386	-0.064	0.225	-0.047	0.208	MMP25
64388	-0.024	0.000	-0.024	0.000	GREM2
6439	-0.004	0.044	-0.015	0.065	SFTPB
64393	-0.111	2.346	2.177	0.058	ZMAT3
64397	-0.407	1.311	1.131	-0.226	ZFP106
64398	0.222	-3.063	-2.329	-0.512	MPP5
644	-0.341	-0.535	-0.935	-0.001	BLVRA
6440	0.001	-0.001	0.000	0.007	SFTPC
64400	-0.211	0.949	0.623	0.115	AKTIP
64405	0.000	0.064	0.000	0.064	CDH22
644068	0.163	-0.119	-0.093	0.136	RPS14P3
644096	0.111	-1.102	-0.810	-0.180	SDHAF1
6441	0.000	0.022	0.049	-0.028	SFTPD
64410	-0.002	-0.235	-0.246	0.009	KLHL25
64411	0.345	-0.249	0.234	-0.138	ARAP3
644128	0.329	-0.370	-0.041	0.000	RPL23AP53
64417	0.024	1.130	1.283	-0.130	C5orf28
64418	0.557	0.145	0.747	-0.045	TMEM168
64419	-0.176	-0.789	-0.902	-0.064	MTMR14
6442	0.007	-0.007	0.000	0.000	SGCA
64421	-0.407	0.143	0.693	-0.957	DCLRE1C
64422	0.138	-0.214	-0.033	-0.043	ATG3
64423	-0.056	0.824	0.189	0.579	INF2
64425	0.461	-1.951	-1.498	0.008	POLR1E
64427	-0.353	0.876	0.095	0.428	TTC31
64428	-0.301	0.287	-0.220	0.205	NARFL
64429	-0.289	0.636	0.586	-0.239	ZDHHC6
6443	0.335	1.055	1.731	-0.341	SGCB
64430	0.401	0.537	0.943	-0.005	PCNXL4
64431	0.078	-0.080	0.495	-0.497	ACTR6

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
6444	0.000	0.043	0.021	-0.005	SGCD
644450	-0.076	0.007	-0.076	0.008	LOC644450
64446	0.000	0.079	0.001	0.078	DNAI2
6445	0.001	-0.001	0.000	0.000	SGCG
6446	0.361	-0.021	0.471	-0.131	SGK1
6447	0.352	3.909	4.060	0.201	SCG5
6448	-0.204	0.132	-0.146	0.074	SGSH
6449	-0.043	-1.228	-1.343	0.072	SGTA
64499	-0.060	0.000	-0.060	0.000	TPSB2
645	-0.374	-1.400	-2.216	0.442	BLVRB
6450	0.138	0.908	0.393	0.652	SH3BGR
64506	0.086	0.531	1.083	-0.465	CPEB1
6451	-0.592	2.168	1.733	-0.157	SH3BGRL
6452	0.000	0.165	0.119	-0.133	SH3BP2
6453	0.161	0.097	0.246	0.099	ITSN1
6455	0.267	-1.254	-1.331	0.344	SH3GL1
6456	-0.009	0.000	0.013	-0.022	SH3GL2
645644	-0.543	-0.184	-0.669	-0.058	FLJ42627
645682	-0.205	0.043	-0.205	0.043	POU5F1P4
6457	0.010	0.000	0.000	0.073	SH3GL3
645745	0.124	-0.923	-1.429	0.629	MT1P2
64577	0.203	-0.410	-0.224	0.017	ALDH8A1
645784	-0.005	0.000	-0.005	0.000	ANKRD36BP2
64579	0.000	0.000	0.000	0.000	NDST4
64581	0.214	0.133	0.437	-0.091	CLEC7A
64582	-0.011	0.000	-0.014	0.000	GPR135
64595	-0.026	0.078	-0.024	0.076	TTY15
645961	0.248	-0.217	-0.021	0.051	FAM75C2
64598	-0.070	0.777	0.561	0.146	MOSPD3
646	0.014	0.271	0.436	-0.150	BNC1
64600	0.000	0.000	0.000	0.000	PLA2G2F
64601	-0.616	1.148	0.959	-0.428	VPS16
6461	-0.329	-0.966	-0.731	-0.564	SHB
6462	-0.002	0.004	0.002	-0.001	SHBG
646282	-0.016	0.109	-0.016	0.109	AZGP1P1
6464	0.087	-1.307	-1.420	0.200	SHC1
64641	0.000	0.150	0.019	0.131	EBF2
64663	0.003	0.361	0.082	0.282	SPANXC
6468	-0.701	0.953	0.391	-0.139	FBXW4
64682	-0.187	0.116	-0.188	0.118	ANAPC1
64689	-0.308	0.821	0.528	-0.015	GORASP1
6469	0.000	0.108	0.000	0.108	SHH
64693	0.003	-0.003	0.000	0.000	CTAGE1
64699	-0.031	1.704	2.198	-0.525	TMPRSS3
6470	-0.002	0.254	0.291	-0.040	SHMT1

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
647070	-0.152	0.257	-0.072	0.177	LOC647070
64708	-0.270	-0.013	-0.294	0.010	COPS7B
64710	0.254	0.180	0.495	-0.061	NUCKS1
64714	0.001	0.004	0.002	0.003	PDIA2
64718	0.233	-0.258	0.084	-0.109	UNKL
6472	-0.354	-1.534	-1.889	-0.216	SHMT2
647288	0.001	0.015	0.002	0.015	CTAGE11P
6473	0.000	0.000	0.000	0.000	SHOX
6474	0.000	0.000	0.000	0.000	SHOX2
64743	0.147	-0.667	-0.681	0.161	WDR13
64745	-0.210	-0.166	-0.302	-0.074	METTTL17
64746	0.337	-1.389	-0.549	-0.503	ACBD3
64747	-0.163	2.054	2.038	-0.147	MFSD1
64748	0.091	0.237	0.099	0.229	LPPR2
64750	0.229	0.035	0.517	-0.253	SMURF2
64754	0.081	2.067	2.229	-0.080	SMYD3
64755	-0.144	0.166	-0.082	0.104	C16orf58
64757	0.000	0.000	0.031	-0.031	1-Mar
64759	-0.654	3.160	2.422	0.084	TNS3
6476	0.000	0.044	0.001	0.043	SI
64760	-0.202	0.085	-0.077	-0.040	FAM160B2
64761	-0.637	0.098	-0.703	0.164	PARP12
64762	0.146	-0.169	1.061	-1.084	FAM59A
64763	0.632	-1.716	-1.050	-0.034	ZNF574
64764	-0.049	0.499	0.208	0.242	CREB3L2
64766	-0.314	0.556	0.124	0.118	S100PBP
64768	-0.295	-0.454	-0.644	-0.105	IPPK
64769	0.007	-0.816	-0.687	-0.122	MEAF6
6477	0.386	-2.279	-1.959	0.066	SIAH1
64771	0.105	-1.859	-1.409	0.035	C6orf106
64772	0.068	0.618	0.468	0.218	ENGASE
64776	0.016	0.115	0.007	0.124	C11orf1
64777	-0.198	0.376	0.060	0.117	RMND5B
64778	-0.443	0.769	0.728	-0.403	FNDC3B
64779	0.011	0.051	0.579	-0.517	MTHFSD
6478	0.547	-1.667	-1.079	-0.041	SIAH2
64780	-0.147	0.777	0.376	0.253	MICAL1
64781	0.290	0.193	1.086	-0.603	CERK
64782	0.297	-2.254	-2.019	0.062	AEN
64783	0.265	-1.731	-1.804	0.338	RBM15
64784	-0.231	-0.915	-0.908	-0.238	CRTC3
64785	0.114	-0.136	-0.023	0.001	GINS3
64786	0.283	-2.752	-2.417	-0.053	TBC1D15
64787	-0.077	1.559	1.384	0.098	EPS8L2
64788	0.002	0.532	1.077	-0.096	LMF1

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
64789	-0.082	0.285	0.081	0.122	DEM1
64792	-0.089	0.391	0.173	0.129	RABL5
64793	-0.145	-0.020	-0.044	-0.121	CEP85
64794	-0.029	-0.281	-0.309	-0.002	DDX31
64795	-0.447	-0.606	-1.109	-0.191	RMND5A
64798	-0.105	2.301	3.375	-1.178	DEPTOR
64799	-0.003	0.000	-0.003	0.000	IQCH
648	-0.402	0.277	-0.056	-0.069	BMI1
6480	0.004	-0.419	-0.296	0.000	ST6GAL1
64800	-0.050	0.214	0.028	0.136	EFCAB6
64806	0.000	0.011	0.000	0.011	IL25
64816	0.000	0.018	0.000	0.018	CYP3A43
6482	-0.044	-1.187	-0.894	-0.337	ST3GAL1
6483	0.007	0.064	0.145	-0.074	ST3GAL2
64834	-0.067	0.536	0.464	0.006	ELOVL1
64837	-0.251	-0.004	-0.254	-0.001	KLC2
64838	-0.283	0.996	0.543	0.170	FNDC4
6484	-0.051	1.427	1.429	-0.052	ST3GAL4
64840	0.041	0.679	0.332	0.387	PORCN
64844	0.209	-1.185	-0.872	-0.103	7-Mar
64847	-0.135	2.656	2.319	0.201	SPATA20
64848	-0.264	0.608	0.527	-0.092	YTHDC2
64849	-0.078	0.170	-0.055	0.147	SLC13A3
64850	0.083	0.151	0.000	0.235	AGXT2L1
64852	0.267	-0.277	0.054	-0.064	TUT1
64853	0.015	-0.398	-0.265	-0.118	AIDA
64854	-0.162	1.276	1.460	-0.160	USP46
64856	-0.309	2.771	2.399	0.062	VWA1
64858	0.193	-0.266	-0.159	0.085	DCLRE1B
64859	0.250	-0.806	-0.583	0.026	NABP1
64860	0.544	-1.918	-0.623	-0.752	ARMCX5
64863	0.400	-0.448	0.030	-0.078	METTL4
64864	0.240	0.025	0.349	-0.085	RFX7
64866	0.268	-0.659	0.040	-0.431	CDCP1
6489	0.004	2.767	3.162	-0.391	ST8SIA1
64895	0.091	-0.077	0.241	-0.227	PAPOLG
64897	0.199	-1.024	0.250	-1.075	C12orf43
649	0.044	1.974	1.500	0.329	BMP1
6490	0.000	0.000	0.014	-0.014	PMEL
64901	0.046	1.198	1.375	-0.131	RANBP17
6491	0.647	-0.625	0.145	-0.124	STIL
64919	0.001	-0.001	0.000	0.000	BCL11B
6492	0.000	0.233	0.077	0.156	SIM1
64921	-0.515	0.752	1.017	-0.780	CASD1
64922	0.018	0.029	0.008	0.040	LRRC19

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
64924	-0.118	0.335	0.176	0.041	SLC30A5
64925	-0.094	0.022	-0.054	-0.018	CCDC71
64927	0.099	0.223	0.247	0.075	TTC23
6493	-0.041	0.032	-0.031	0.022	SIM2
6494	0.537	-0.511	0.120	-0.095	SIPA1
64940	-0.088	0.607	-0.007	0.526	STAG3L4
64943	-0.236	4.228	3.569	0.423	NT5DC2
6495	0.045	0.115	0.000	0.160	SIX1
6496	-0.054	-0.055	-0.108	0.000	SIX3
64960	0.104	0.352	0.831	-0.375	MRPS15
64963	-0.052	0.454	0.506	-0.104	MRPS11
6497	0.059	-0.032	0.114	-0.087	SKI
64975	-0.037	0.032	-0.033	0.028	MRPL41
64976	-0.240	1.846	1.591	0.016	MRPL40
6498	-0.289	-0.046	0.000	0.000	SKIL
64981	-0.593	2.060	1.586	-0.119	MRPL34
6499	-0.509	0.222	-0.229	-0.058	SKIV2L
650	0.243	-0.732	-0.832	0.343	BMP2
6500	0.092	0.471	0.430	-0.172	SKP1
65003	0.110	0.190	0.275	0.025	MRPL11
65005	-0.131	0.462	0.326	0.004	MRPL9
65009	-0.268	0.637	0.904	-0.536	NDRG4
65010	0.117	0.117	0.003	0.231	SLC26A6
65012	-0.006	0.001	-0.005	0.000	SLC26A10
65018	-0.078	1.507	1.612	-0.183	PINK1
6502	0.038	0.127	0.013	0.021	SKP2
6503	0.232	-0.362	-0.139	0.010	SLA
6504	0.372	-0.372	0.000	0.000	SLAMF1
6505	-0.136	2.537	2.988	-0.586	SLC1A1
65055	-0.043	0.000	0.043	-0.086	REEP1
65057	-0.063	-0.674	-0.824	0.087	ACD
6506	-0.008	0.164	0.010	0.146	SLC1A2
6507	0.602	0.281	1.611	-0.728	SLC1A3
6508	0.000	0.188	0.230	-0.042	SLC4A3
65080	0.047	-0.340	-0.273	-0.020	MRPL44
65082	-0.109	0.243	0.247	-0.112	VPS33A
65083	-0.020	-0.560	-0.668	0.088	NOL6
65084	-0.622	0.332	-0.091	-0.199	TMEM135
6509	-0.650	-1.533	-2.302	-0.039	SLC1A4
65094	-0.461	0.249	-0.528	0.316	JMJD4
65095	-0.199	-0.415	-1.081	0.467	KRI1
651	0.000	0.000	0.057	-0.057	BMP3
6510	-0.109	-1.052	-1.176	0.015	SLC1A5
65108	0.366	0.719	0.818	0.267	MARCKSL1
65109	-0.350	-1.022	-0.949	-0.422	UPF3B

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
6511	-0.004	0.207	-0.004	0.207	SLC1A6
65110	-0.413	0.528	0.169	-0.040	UPF3A
65117	-0.095	-1.676	-1.470	-0.302	RSRC2
6512	0.010	-0.010	0.042	-0.042	SLC1A7
65123	-0.111	0.108	0.165	-0.168	INTS3
65124	0.028	-1.438	-1.156	-0.253	SOWAHC
65125	-0.134	0.005	0.000	0.001	WNK1
6513	0.401	-0.563	0.003	-0.165	SLC2A1
6514	0.000	0.000	0.000	0.000	SLC2A2
6515	1.088	-5.058	-4.092	0.122	SLC2A3
6517	0.000	0.000	0.000	0.000	SLC2A4
6518	-0.134	-0.005	-0.138	-0.002	SLC2A5
6519	0.000	0.149	0.077	0.072	SLC3A1
652	-0.027	0.041	0.337	-0.323	BMP4
6520	-0.047	-4.350	-4.526	0.129	SLC3A2
6521	0.000	0.294	0.000	0.295	SLC4A1
6522	-0.295	0.420	0.372	-0.247	SLC4A2
65220	-0.191	-0.103	-0.309	0.046	NADK
6523	1.542	-0.545	1.376	-0.378	SLC5A1
6524	0.000	0.339	0.000	0.339	SLC5A2
65243	-0.028	-0.030	-0.017	-0.042	ZNF643
65244	-0.205	0.013	-0.209	0.017	SPATS2
6525	0.480	-2.353	-2.298	0.425	SMTN
65250	0.000	0.183	0.289	-0.106	C5orf42
65258	-0.202	1.091	1.335	-0.112	MPPE1
6526	-0.310	2.097	1.842	-0.056	SLC5A3
65260	0.507	-2.092	-1.113	-0.472	SELRC1
65263	-0.151	0.000	-0.151	-0.001	PYCRL
65264	-0.005	-0.968	-1.640	0.666	UBE2Z
65265	-0.322	-0.836	-0.812	-0.346	C8orf33
6527	0.000	0.000	0.000	0.000	SLC5A4
6528	0.053	0.588	0.036	0.605	SLC5A5
6529	0.000	0.000	0.000	0.000	SLC6A1
653	-0.024	-0.006	-0.030	0.000	BMP5
6530	0.000	0.102	0.000	0.003	SLC6A2
6531	0.000	0.245	0.002	0.243	SLC6A3
6532	0.000	0.159	0.072	0.087	SLC6A4
6533	0.037	-0.266	-0.215	0.000	SLC6A6
6534	0.034	0.266	0.000	0.300	SLC6A7
653423	0.000	0.236	0.180	0.056	SPAG11A
653483	0.159	-0.163	0.162	-0.166	MLLT4-AS1
6535	-0.097	-1.139	-1.322	0.017	SLC6A8
6536	-0.749	-0.046	-0.795	0.000	SLC6A9
653639	-0.113	1.071	0.746	0.212	LYPLA2P1
653784	0.025	1.408	0.851	0.581	MZT2A

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
6538	0.001	0.005	-0.002	0.008	SLC6A11
653808	0.000	0.000	0.000	0.000	ZG16
6539	0.000	0.000	0.000	0.000	SLC6A12
654	0.318	0.282	0.533	0.067	BMP6
6540	0.155	-0.131	0.036	-0.012	SLC6A13
6541	-0.084	-1.172	-0.932	0.058	SLC7A1
6542	0.653	-2.366	-1.726	0.013	SLC7A2
6543	0.108	-0.108	0.000	0.000	SLC8A2
654434	0.264	-0.484	-0.296	0.076	LINC00338
6545	0.000	0.000	0.000	0.000	SLC7A4
6546	0.000	0.011	0.003	0.000	SLC8A1
6548	0.104	-0.992	-0.937	0.049	SLC9A1
6549	0.000	0.001	0.000	0.000	SLC9A2
655	0.046	0.057	-0.008	0.118	BMP7
6550	0.000	0.000	0.000	0.000	SLC9A3
6553	-0.002	0.144	0.120	0.022	SLC9A5
6554	0.001	0.098	0.195	-0.096	SLC10A1
6555	-0.003	0.000	-0.004	0.000	SLC10A2
6556	0.101	-0.087	-0.047	0.016	SLC11A1
6557	-0.010	0.299	-0.010	0.299	SLC12A1
6558	-0.048	2.634	3.258	-0.672	SLC12A2
6559	-0.009	0.034	-0.009	0.034	SLC12A3
656	0.000	0.023	0.000	0.023	BMP8B
6560	-0.091	-0.005	-0.093	0.003	SLC12A4
6561	0.000	0.022	0.000	0.021	SLC13A1
6563	0.000	0.759	0.420	0.339	SLC14A1
6564	0.148	0.519	0.974	-0.308	SLC15A1
6565	0.000	0.276	1.077	-0.801	SLC15A2
6566	0.515	-1.774	-1.270	-0.061	SLC16A1
6567	-0.703	-0.020	-0.721	-0.002	SLC16A2
6568	0.000	0.000	0.000	0.000	SLC17A1
6569	-0.018	0.000	-0.018	0.000	SLC34A1
657	-0.126	1.180	1.090	-0.035	BMPR1A
6570	-0.076	-0.002	-0.077	-0.001	SLC18A1
6571	0.016	0.019	0.000	0.036	SLC18A2
6572	0.000	0.000	0.018	-0.018	SLC18A3
6573	0.002	-0.021	0.005	-0.005	SLC19A1
6574	-0.336	2.432	2.150	-0.054	SLC20A1
6575	-0.314	-0.239	-0.584	0.031	SLC20A2
6576	0.063	-0.160	-0.129	0.032	SLC25A1
6578	0.184	3.017	2.360	0.841	SLCO2A1
6579	0.000	0.000	0.022	0.000	SLCO1A2
658	-0.092	-0.003	-0.095	0.000	BMPR1B
6580	0.108	-0.108	0.000	0.000	SLC22A1
6581	-0.003	0.000	-0.003	0.000	SLC22A3

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
6582	0.000	0.201	0.000	0.201	SLC22A2
6583	-0.286	0.176	0.077	-0.187	SLC22A4
6584	-0.860	-0.036	-0.913	0.017	SLC22A5
6585	0.006	-0.008	-0.002	0.000	SLIT1
6586	0.000	0.161	0.005	0.153	SLIT3
6588	0.001	-0.001	0.004	-0.004	SLN
659	0.127	0.345	1.242	-0.770	BMPR2
6590	0.905	1.067	1.918	0.054	SLPI
6591	1.013	0.080	0.478	0.615	SNAI2
6594	0.029	-0.047	0.059	-0.033	SMARCA1
6595	0.146	0.125	0.574	-0.088	SMARCA2
6596	-0.797	2.715	2.117	-0.199	HLTF
6597	-0.342	0.547	0.132	-0.225	SMARCA4
65979	0.359	-2.018	-1.142	-0.516	PHACTR4
6598	-0.105	0.160	0.205	-0.150	SMARCB1
65980	-0.027	-0.024	-0.198	0.147	BRD9
65981	-0.413	1.767	1.188	0.165	CAPRIN2
65982	-0.185	-0.464	-0.633	-0.016	ZSCAN18
65983	0.921	-1.296	-0.427	0.052	GRAMD3
65985	-0.152	0.962	0.656	0.154	AACS
65986	-0.260	-3.331	-3.272	-0.320	ZBTB10
65987	0.974	-0.326	0.852	-0.205	KCTD14
65988	-0.244	0.065	0.050	-0.229	ZNF747
65989	0.330	-0.335	-0.005	0.000	DLK2
6599	-0.301	0.564	0.815	-0.179	SMARCC1
65990	-0.173	0.967	0.847	-0.053	FAM173A
65992	-0.229	0.926	0.440	0.257	DDRKG1
65993	-0.341	1.205	0.401	0.463	MRPS34
65996	0.292	-1.485	-0.497	-0.696	MGC2752
65997	-0.193	0.062	-0.431	0.301	RASL11B
65998	0.269	0.957	1.254	-0.027	C11orf95
65999	-0.090	0.220	-0.043	0.173	LRRC61
660	0.077	-0.494	-0.492	0.076	BMX
66002	0.007	0.003	-0.003	0.013	CYP4F12
66008	-0.584	0.989	1.063	-0.658	TRAK2
6601	-0.180	0.714	0.936	-0.401	SMARCC2
6602	0.003	-0.134	-0.123	-0.007	SMARCD1
6603	-0.296	0.864	0.519	0.050	SMARCD2
66035	-0.011	0.088	0.060	0.017	SLC2A11
66036	-0.004	-0.439	-0.263	-0.179	MTMR9
6604	0.361	0.440	0.444	0.358	SMARCD3
6605	-0.270	0.954	0.955	-0.272	SMARCE1
6608	0.000	0.749	0.167	0.582	SMO
6609	0.000	0.006	0.000	0.000	SMPD1
661	0.071	-0.624	-0.739	0.186	POLR3D

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
6610	0.117	-0.336	-0.314	0.095	SMPD2
6611	0.458	-1.163	-0.445	-0.260	SMS
6612	0.136	0.833	0.887	0.081	SUMO3
6613	-0.030	0.837	0.641	0.162	SUMO2
6614	0.000	0.100	0.002	0.098	SIGLEC1
6615	0.172	-1.095	-0.938	0.015	SNAI1
6616	0.012	0.039	-0.025	0.076	SNAP25
6617	0.417	-2.270	-0.896	-0.957	SNAPC1
6618	0.101	0.064	-0.024	0.189	SNAPC2
6619	-0.289	0.732	0.828	-0.609	SNAPC3
662	0.632	-1.406	-1.331	0.124	BNIP1
6620	0.000	0.000	0.000	0.000	SNCB
6621	-0.537	0.010	-0.439	-0.087	SNAPC4
6622	0.175	0.819	0.596	0.448	SNCA
6623	0.058	0.135	0.289	-0.097	SNCG
6624	0.472	0.720	0.906	0.287	FSCN1
6625	-0.148	-0.290	-0.471	0.033	SNRNP70
6626	0.600	-1.171	-0.798	0.227	SNRPA
6627	0.053	-1.269	-1.349	-0.010	SNRPA1
6628	0.073	-1.225	-1.579	0.427	SNRPB
6629	0.130	-0.921	-0.839	0.047	SNRPB2
663	0.267	-0.974	-1.133	0.427	BNIP2
6631	-0.429	0.901	0.266	0.206	SNRPC
6632	0.100	-0.607	-0.587	0.079	SNRPD1
6633	0.084	0.104	0.084	0.104	SNRPD2
6634	-0.190	0.197	-0.022	0.029	SNRPD3
6635	-0.010	0.345	0.286	0.048	SNRPE
6636	0.117	-0.452	-0.455	0.119	SNRPF
6637	0.099	-0.312	-0.222	0.009	SNRPG
6638	-0.047	0.395	-0.040	0.387	SNRPN
664	0.945	-2.496	-1.244	-0.307	BNIP3
6640	0.000	0.281	0.021	0.260	SNTA1
6641	-0.002	0.019	0.206	-0.160	SNTB1
6642	-0.109	0.475	0.588	-0.223	SNX1
6643	0.010	-0.173	-0.042	-0.121	SNX2
6645	0.000	-0.013	0.006	0.000	SNTB2
6646	1.094	-2.410	-1.327	0.012	SOAT1
6647	-0.048	-0.371	-0.269	-0.150	SOD1
6648	-0.027	-4.957	-4.536	-0.215	SOD2
6649	-0.199	-0.295	-0.490	-0.004	SOD3
665	0.602	-1.151	-0.194	-0.356	BNIP3L
6650	0.389	-1.376	-0.714	-0.273	SOLH
6651	-0.175	-0.342	-0.295	-0.044	SON
6652	-0.448	-0.108	-0.236	-0.320	SORD
6653	0.099	1.322	2.555	-1.135	SORL1

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
6654	-0.158	-1.067	-0.967	-0.257	SOS1
6655	0.519	-1.457	-0.028	-0.689	SOS2
6656	0.013	-0.014	-0.001	0.000	SOX1
6657	0.000	0.116	0.002	0.116	SOX2
6658	0.000	0.000	0.000	0.000	SOX3
6659	-0.324	0.652	0.245	0.031	SOX4
666	0.007	0.024	0.000	0.031	BOK
6660	0.000	0.000	0.000	0.000	SOX5
6662	-0.238	0.009	0.478	-0.707	SOX9
6663	0.343	1.587	2.227	-0.297	SOX10
6664	-0.255	0.708	0.628	-0.390	SOX11
6665	0.016	0.262	0.211	0.067	SOX15
6666	-0.001	0.212	0.112	0.100	SOX12
6667	-0.446	-0.403	-0.906	0.057	SP1
6668	0.115	-0.099	-0.012	0.028	SP2
667	0.000	0.121	0.085	0.036	DST
6670	-0.072	-0.261	-0.397	0.063	SP3
6671	-0.028	0.226	-0.057	0.255	SP4
6672	0.000	0.087	0.326	-0.263	SP100
6674	0.370	-1.279	-0.907	-0.002	SPAG1
6675	0.765	-2.533	-1.395	-0.374	UAP1
6676	0.167	-0.335	0.084	-0.251	SPAG4
6677	0.000	0.000	0.050	-0.054	SPAM1
6678	0.450	2.251	1.938	0.763	SPARC
668	0.035	0.357	0.000	0.393	FOXL2
6683	-0.323	0.602	0.234	0.045	SPAST
6687	-0.561	1.240	0.791	-0.112	SPG7
6688	0.000	0.801	0.769	0.031	SPI1
6689	0.001	-0.001	0.000	0.000	SPIB
669	0.238	0.893	0.996	0.135	BPGM
6690	-0.420	0.194	-0.603	0.377	SPINK1
6691	0.000	0.000	0.000	0.000	SPINK2
6692	-0.063	1.660	1.476	0.120	SPINT1
6693	-0.058	0.007	0.012	-0.016	SPN
6694	0.000	0.024	0.000	0.024	SPP2
6695	0.624	3.565	4.280	-0.091	SPOCK1
6696	1.813	0.094	2.094	-0.187	SPP1
6697	-0.344	1.183	0.870	-0.031	SPR
6698	-0.557	2.851	2.018	0.276	SPRR1A
6699	-0.826	6.343	4.925	0.592	SPRR1B
670	-0.120	0.956	1.043	-0.207	BPHL
6702	0.001	0.088	0.000	0.089	SPRR2C
6707	-0.003	3.692	3.773	-0.084	SPRR3
6708	0.000	0.000	0.000	0.000	SPTA1
6709	-0.389	0.865	0.507	0.013	SPTAN1

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
671	0.000	0.003	0.007	-0.003	BPI
6710	0.038	0.117	0.001	0.154	SPTB
6711	-0.023	0.000	0.024	-0.058	SPTBN1
6712	-0.014	0.086	0.130	-0.059	SPTBN2
6713	-0.031	-1.126	-0.865	0.030	SQLE
6714	-0.001	0.085	0.077	-0.089	SRC
6715	-0.092	0.728	0.695	-0.059	SRD5A1
6716	0.000	0.054	0.294	-0.240	SRD5A2
6717	-0.274	2.104	1.854	-0.024	SRI
6718	0.005	0.078	-0.013	0.097	AKR1D1
672	-0.002	0.133	0.097	0.033	BRCA1
6720	-0.142	0.424	0.329	-0.047	SREBF1
6721	0.238	-0.873	-0.596	-0.040	SREBF2
6722	-0.014	-0.964	-1.276	0.298	SRF
6723	-0.314	0.132	-0.530	0.348	SRM
6726	-0.119	0.911	0.953	-0.162	SRP9
6727	-0.188	0.618	0.310	0.120	SRP14
6728	0.375	-1.505	-0.955	-0.175	SRP19
6729	-0.138	-1.114	-1.296	0.044	SRP54
673	-0.662	-1.460	-2.025	-0.097	BRAF
6731	0.039	-0.947	-0.976	0.064	SRP72
6732	-0.041	-0.817	-0.658	-0.199	SRPK1
6733	-0.046	-0.753	-0.689	-0.078	SRPK2
6734	-0.180	-0.958	-0.990	-0.148	SRPR
6736	0.000	0.026	0.000	0.026	SRY
6737	-0.041	0.307	0.155	0.111	TRIM21
6738	-0.014	-0.002	0.068	-0.096	TROVE2
6741	-0.161	-0.154	0.002	-0.317	SSB
6742	-0.258	0.326	0.024	0.044	SSBP1
6744	0.066	2.983	3.148	-0.098	SSFA2
6745	0.184	-0.563	-0.311	-0.062	SSR1
6746	0.149	-0.422	-0.593	0.320	SSR2
6747	0.530	-1.308	-0.481	-0.297	SSR3
6748	-0.242	1.187	0.787	0.159	SSR4
6749	-0.191	-0.886	-0.721	-0.355	SSRP1
675	0.028	-0.013	0.061	-0.047	BRCA2
6750	0.011	0.061	0.004	0.068	SST
6751	0.000	0.347	0.182	0.165	SSTR1
6752	0.100	-0.100	0.000	0.000	SSTR2
6753	0.037	-0.037	0.000	0.000	SSTR3
6754	0.000	0.000	0.028	-0.028	SSTR4
6755	0.013	-0.016	-0.003	0.000	SSTR5
6756	0.060	-0.050	0.018	-0.008	SSX1
6758	-0.006	0.000	0.002	-0.008	SSX5
676	0.000	0.000	0.000	0.000	BRDT

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
6760	-0.187	0.249	0.299	-0.303	SS18
6764	0.228	0.860	0.712	0.376	ST5
6767	0.164	-0.448	0.336	-0.125	ST13
6768	0.000	0.521	0.513	0.070	ST14
6769	-0.329	1.924	1.386	0.209	STAC
677	0.026	-0.068	-0.219	-0.055	ZFP36L1
6770	-0.001	0.000	0.000	-0.002	STAR
6772	-0.318	1.096	0.523	0.228	STAT1
6773	-0.122	0.061	-0.045	-0.015	STAT2
6774	0.106	-1.162	-1.022	-0.034	STAT3
6775	1.015	1.549	1.785	0.779	STAT4
6776	-0.255	-0.208	-0.687	0.225	STAT5A
6777	-0.212	-1.101	-0.996	-0.253	STAT5B
6778	-0.351	-0.053	-0.351	-0.053	STAT6
6779	0.000	0.149	0.020	0.129	STATH
678	-0.643	0.208	-0.495	-0.081	ZFP36L2
6780	-0.114	-0.213	-0.196	-0.155	STAU1
6781	-0.002	1.260	2.198	-0.941	STC1
6782	0.085	-2.383	-2.101	-0.198	HSPA13
6783	0.000	0.001	0.387	-0.387	SULT1E1
6785	0.136	0.651	1.227	-0.439	ELOVL4
6786	-0.163	1.003	0.600	0.240	STIM1
6787	-0.184	-0.400	-0.101	-0.483	NEK4
6788	0.157	-0.428	-0.322	0.052	STK3
6789	0.290	-0.800	-0.199	-0.311	STK4
6790	0.013	0.111	0.079	0.000	AURKA
6792	0.009	-0.009	0.000	0.000	CDKL5
6793	-0.246	-0.800	-0.998	-0.048	STK10
6794	0.006	0.024	0.006	0.024	STK11
6795	0.019	0.006	-0.004	0.029	AURKC
6799	-0.069	0.199	0.075	0.055	SULT1A2
680	0.000	0.169	0.000	0.170	BRS3
6801	0.381	-0.594	0.025	-0.238	STRN
6804	-0.275	0.049	-0.258	0.033	STX1A
6809	-0.049	-2.789	-2.865	0.027	STX3
6810	-0.238	-1.485	-1.236	-0.488	STX4
6811	0.263	-1.866	-1.337	-0.266	STX5
6812	0.505	-0.880	0.079	-0.455	STXBP1
6813	-0.753	0.315	-0.133	-0.306	STXBP2
6814	-0.244	0.819	0.622	-0.047	STXBP3
6817	-0.195	0.594	0.260	0.140	SULT1A1
6819	0.008	0.047	0.002	0.055	SULT1C2
682	0.004	-0.247	-0.540	0.297	BSG
6820	-0.739	-0.155	-0.664	-0.229	SULT2B1
6821	-0.256	2.083	1.763	0.064	SUOX

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
6822	0.000	0.000	0.000	0.000	SULT2A1
6827	0.154	-0.750	-0.553	-0.043	SUPT4H1
6829	-0.079	-0.352	-0.484	0.054	SUPT5H
683	-0.100	0.496	-0.049	0.446	BST1
6830	-0.320	-0.467	-0.946	0.025	SUPT6H
6832	0.342	-2.349	-1.425	-0.582	SUPV3L1
6833	-0.001	0.088	0.022	0.064	ABCC8
6834	-0.573	1.045	0.680	-0.209	SURF1
6835	-0.234	0.065	0.036	-0.204	SURF2
6837	0.089	-0.012	0.085	-0.008	MED22
6839	-0.041	-0.220	-0.263	0.001	SUV39H1
684	0.033	-0.751	0.039	-0.757	BST2
6840	0.344	0.330	0.708	-0.033	SVIL
6843	0.078	-0.241	-0.035	-0.014	VAMP1
6844	0.071	0.031	-0.033	0.182	VAMP2
6845	-0.340	0.214	-0.008	-0.118	VAMP7
6847	-0.001	0.021	-0.001	0.021	SYCP1
685	-0.010	0.378	0.200	0.168	BTC
6850	0.023	-0.008	-0.018	0.033	SYK
6853	0.000	0.000	0.003	-0.003	SYN1
6854	-0.020	-0.009	-0.033	0.003	SYN2
6855	-0.001	0.351	0.014	0.336	SYP
6856	-0.077	-0.062	-0.064	-0.075	SYPL1
6857	0.113	2.966	3.328	-0.249	SYT1
686	-0.031	0.132	0.249	-0.110	BTD
6861	0.006	-0.006	0.000	0.000	SYT5
6862	0.000	0.000	0.003	-0.003	T
6863	1.277	-4.497	-3.046	-0.174	TAC1
6865	-0.012	0.102	-0.012	0.102	TACR2
6866	0.000	0.140	0.000	0.140	TAC3
6867	0.014	-0.070	-0.001	-0.044	TACC1
6868	0.412	-1.524	-1.015	-0.097	ADAM17
6869	0.000	0.000	0.000	0.000	TACR1
687	0.419	-4.059	-3.419	-0.072	KLF9
6870	0.000	0.000	0.003	-0.003	TACR3
6871	0.138	-0.161	0.126	-0.150	TADA2A
6872	0.015	0.066	0.097	-0.016	TAF1
6873	-0.249	-0.236	-0.591	0.106	TAF2
6874	-0.233	0.069	-0.001	-0.163	TAF4
6875	0.526	-1.997	-1.178	-0.293	TAF4B
6876	0.039	2.600	1.104	1.535	TAGLN
6877	0.148	-1.383	-1.214	-0.021	TAF5
6878	-0.677	1.035	0.192	0.167	TAF6
6879	0.457	-1.384	-1.184	0.257	TAF7
688	0.778	-1.025	-0.267	0.020	KLF5

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
6880	0.288	-1.285	-1.016	0.018	TAF9
6881	0.140	1.346	0.731	0.755	TAF10
6882	0.129	-0.333	-0.071	-0.133	TAF11
6883	-0.044	0.574	0.443	0.088	TAF12
6884	0.811	-2.172	-1.844	0.483	TAF13
6885	-0.006	-0.647	-0.542	-0.112	MAP3K7
6886	-0.008	0.000	-0.025	-0.024	TAL1
6888	-0.720	0.486	-0.335	0.102	TALDO1
689	-0.098	-0.447	-0.365	-0.106	BTF3
6890	0.029	-1.156	-1.236	0.109	TAP1
6891	0.002	-0.561	-1.073	0.010	TAP2
6892	-0.491	0.366	-0.138	0.013	TAPBP
6894	0.169	1.418	1.280	0.307	TARBP1
6895	-0.187	0.386	-0.049	0.248	TARBP2
6897	0.028	-1.735	-1.473	-0.234	TARS
6898	-0.061	0.166	-0.025	0.130	TAT
6899	0.025	0.000	0.000	0.000	TBX1
690	0.000	0.000	0.000	0.000	BTF3P11
6900	0.000	0.000	0.000	0.000	CNTN2
6901	0.027	0.107	0.131	0.004	TAZ
6902	-0.012	0.061	-0.026	0.075	TBCA
6903	0.226	-1.324	-1.289	0.190	TBCC
6904	-0.073	0.178	0.000	0.127	TBCD
6905	-0.260	0.422	0.470	-0.308	TBCE
6906	0.000	0.000	0.000	0.000	SERPINA7
6907	-0.167	-0.818	-0.840	-0.014	TBL1X
6908	0.140	-0.827	-0.700	0.013	TBP
6909	0.007	-0.022	-0.014	-0.001	TBX2
6910	0.023	-0.023	0.008	-0.008	TBX5
6911	-0.018	-0.026	-0.046	0.002	TBX6
6915	0.000	0.079	0.000	0.086	TBXA2R
6916	0.084	0.107	0.003	0.187	TBXAS1
6917	-0.235	-0.013	-0.037	-0.211	TCEA1
6919	0.014	0.986	0.708	0.292	TCEA2
6921	0.157	-1.024	-0.909	0.041	TCEB1
6923	-0.101	0.706	0.572	0.033	TCEB2
6924	0.047	-1.293	-0.597	-0.180	TCEB3
6925	1.037	-1.107	0.106	-0.005	TCF4
6926	-0.522	-2.810	-3.478	0.146	TBX3
6927	-0.007	0.155	-0.007	0.155	HNF1A
6928	-0.014	0.069	-0.032	0.087	HNF1B
6929	0.025	0.065	0.006	0.076	TCF3
6932	0.093	0.554	0.560	0.086	TCF7
693207	0.000	0.000	0.008	-0.008	MIR622
6934	0.218	-0.289	0.136	-0.215	TCF7L2

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
6935	0.542	-3.319	-3.028	0.084	ZEB1
6936	-0.526	-0.209	-0.807	0.071	GCFC2
6938	-0.143	0.720	0.284	0.293	TCF12
6939	0.202	-0.219	-0.016	0.000	TCF15
694	-0.063	-0.871	-0.839	-0.095	BTG1
6940	-0.051	-0.197	0.239	-0.487	ZNF354A
6942	-0.052	-0.571	-0.393	-0.231	TCF20
6943	0.000	0.000	0.062	-0.062	TCF21
6944	-0.327	0.301	0.286	-0.312	VPS72
6945	0.004	0.027	0.222	-0.179	MLX
6947	-0.775	6.017	5.987	-0.745	TCN1
6948	0.024	0.518	0.085	0.457	TCN2
6949	-0.011	-0.384	-0.393	-0.003	TCOF1
695	0.043	-0.045	-0.002	0.000	BTK
6950	0.296	-1.262	-0.725	-0.241	TCP1
6953	0.016	-0.020	-0.011	0.007	TCP10
6954	0.000	0.000	0.000	0.000	TCP11
696	0.267	-0.272	-0.005	0.000	BTN1A1
6978	0.001	0.106	0.003	0.104	TRGV5
6988	-0.256	1.998	1.883	-0.141	TCTA
699	0.002	0.000	0.001	0.000	BUB1
6990	0.136	0.124	0.566	-0.306	DYNLT3
6992	-0.352	-0.009	-0.518	0.156	PPP1R11
6993	-0.223	1.121	0.763	0.134	DYNLT1
6996	-0.117	-0.695	-0.742	-0.070	TDG
6999	0.000	0.000	0.150	-0.150	TDO2
70	0.023	0.256	0.196	0.082	ACTC1
7001	-0.090	0.508	0.239	-0.004	PRDX2
7003	-0.095	-1.832	-1.259	-0.668	TEAD1
7004	0.527	-2.187	-1.626	-0.033	TEAD4
7005	-0.431	0.290	-0.094	-0.047	TEAD3
7006	0.038	-0.038	0.003	-0.003	TEC
7007	0.047	-0.047	0.000	0.000	TECTA
7008	0.094	-0.073	0.096	-0.074	TEF
7009	-0.134	-0.741	-0.553	-0.322	TMBIM6
701	0.259	0.366	0.998	-0.373	BUB1B
7010	0.177	-0.493	-0.316	0.000	TEK
7011	0.122	0.150	1.553	-1.281	TEP1
7013	0.041	-0.122	0.209	-0.290	TERF1
7014	0.016	-1.773	-1.394	-0.364	TERF2
7015	0.248	-0.279	-0.030	0.000	TERT
7016	0.148	-0.661	-0.480	-0.034	TESK1
7018	-0.078	0.532	0.727	-0.355	TF
7019	0.087	-1.944	-1.070	-0.855	TFAM
7020	-1.014	1.159	0.735	-0.292	TFAP2A

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
7021	-0.684	1.077	0.841	-0.448	TFAP2B
7022	-0.042	0.323	0.727	-0.446	TFAP2C
7023	-0.022	0.157	0.049	0.086	TFAP4
7024	-0.056	-0.541	-0.158	-0.440	TFCP2
7025	0.053	0.625	1.175	-0.497	NR2F1
7026	-0.122	1.059	1.136	-0.209	NR2F2
7027	-0.256	0.723	0.457	0.011	TFDP1
7029	-0.090	0.198	0.337	-0.229	TFDP2
7030	-0.028	-1.185	-1.435	0.222	TFE3
7031	-3.240	-3.270	-6.755	0.245	TFF1
7032	0.005	-0.001	0.214	-0.210	TFF2
7033	-0.708	-1.138	-1.846	0.000	TFF3
7035	0.311	-3.733	-3.028	-0.192	TFPI
7036	0.000	0.016	0.001	0.009	TFR2
7037	0.051	-0.825	-0.935	0.162	TFRC
7038	0.000	0.062	0.000	0.062	TG
7039	0.855	-0.982	-0.180	-0.075	TGFA
7040	0.085	0.081	0.070	0.096	TGFB1
7041	0.215	0.195	-0.186	0.596	TGFB11
7042	-1.564	0.748	0.338	-0.445	TGFB2
7043	0.906	-1.241	-0.299	-0.037	TGFB3
7044	0.000	0.000	0.000	0.000	LEFTY2
7045	-0.003	5.815	5.911	-0.099	TGFB1
7046	-0.274	-0.412	-0.732	0.045	TGFBR1
7047	0.000	0.000	0.000	0.000	TGM4
7048	0.205	0.615	0.922	-0.102	TGFBR2
7049	1.505	-6.734	-4.982	-0.247	TGFBR3
705	0.095	-2.651	-2.261	-0.295	BYSL
7050	0.275	-1.538	-0.812	-0.451	TGIF1
7051	-0.145	0.019	-0.147	0.021	TGM1
7052	-0.437	-0.130	-0.133	-0.279	TGM2
7053	0.000	0.008	0.000	0.008	TGM3
7054	0.000	0.091	0.000	0.091	TH
7056	0.334	-2.959	-3.127	0.502	THBD
7057	0.223	2.042	1.313	0.824	THBS1
7058	2.039	-2.216	-1.655	1.477	THBS2
7059	0.067	2.748	1.644	1.171	THBS3
706	-0.093	2.282	1.943	0.246	TSPO
7060	-0.337	0.794	-0.377	0.834	THBS4
7062	-0.743	0.188	-0.744	0.188	TCHH
7064	-0.657	-0.399	-1.135	0.079	THOP1
7066	0.000	0.058	0.004	0.050	THPO
7067	-0.026	0.287	0.045	0.191	THRA
7068	-0.310	-0.210	-0.533	0.013	THRB
7070	0.071	2.522	1.890	0.703	THY1

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
7071	0.084	-1.531	-1.378	-0.069	KLF10
7072	-0.249	1.359	1.706	-0.171	TIA1
7073	0.017	-0.556	-0.532	0.012	TIAL1
7074	0.546	-1.316	-0.252	-0.518	TIAM1
7075	0.409	-1.553	-1.143	0.000	TIE1
7076	0.238	0.858	1.197	-0.101	TIMP1
7077	0.140	2.824	2.483	0.481	TIMP2
7078	0.656	0.393	0.677	0.558	TIMP3
7079	-0.006	0.223	0.060	0.157	TIMP4
708	0.110	-0.228	-0.151	0.033	C1QBP
7080	0.001	-0.001	0.000	0.000	NKX2-1
7082	-0.262	-1.168	-1.212	-0.218	TJP1
7083	0.065	0.349	0.223	0.190	TK1
7084	-0.003	2.313	2.476	-0.366	TK2
7086	-0.252	-0.893	-0.973	-0.171	TKT
7087	0.150	-0.196	-0.046	0.000	ICAM5
7088	0.149	-1.495	-1.015	-0.572	TLE1
7089	0.018	0.986	1.087	-0.083	TLE2
7090	0.055	-1.276	-0.956	-0.129	TLE3
7091	0.368	-2.064	-0.721	0.015	TLE4
7092	-0.006	0.000	0.003	-0.008	TLL1
7093	0.000	0.018	0.048	0.004	TLL2
7094	-0.272	-0.232	-0.194	-0.310	TLN1
7095	0.009	-0.028	0.096	-0.115	SEC62
7096	0.699	2.821	3.828	-0.309	TLR1
7097	1.394	-0.930	0.823	-0.358	TLR2
7098	-0.230	0.300	0.145	-0.075	TLR3
7099	-0.102	2.188	2.992	-0.906	TLR4
71	-0.070	0.091	0.054	-0.010	ACTG1
710	0.258	-2.077	-1.958	0.139	SERPING1
7100	0.683	1.586	3.204	-0.935	TLR5
7101	0.023	-0.023	0.000	0.000	NR2E1
7102	0.683	-2.351	-1.673	0.004	TSPAN7
7103	0.012	0.085	-0.003	0.100	TSPAN8
7104	0.000	0.000	0.000	0.000	TM4SF4
7105	-0.099	1.732	2.017	-0.384	TSPAN6
7106	0.098	-0.212	-0.244	0.130	TSPAN4
7107	-0.205	1.425	1.205	0.016	GPR137B
7108	-0.077	0.099	0.121	-0.099	TM7SF2
7109	-0.241	0.205	0.482	-0.111	TRAPPC10
711	0.002	-0.002	-0.004	0.004	ERC2-IT1
7110	0.133	0.492	0.705	-0.110	TMF1
7111	0.144	-2.132	-2.047	0.060	TMOD1
7112	-0.004	-0.160	-0.047	-0.001	TMPO
7113	-0.231	-0.405	-0.517	-0.119	TMPRSS2

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
712	0.000	0.637	0.000	0.637	C1QA
7122	0.426	-3.310	-2.864	-0.020	CLDN5
7123	0.251	-0.760	-0.499	-0.011	CLEC3B
7124	0.491	-4.528	-4.066	0.029	TNF
7125	-0.020	0.777	-0.013	0.770	TNNC2
7126	0.325	-0.229	-0.106	0.201	TNFAIP1
7127	0.158	-1.779	-1.580	-0.042	TNFAIP2
7128	-0.119	-6.054	-6.594	0.421	TNFAIP3
713	0.000	0.523	0.013	0.510	C1QB
7130	1.196	-8.080	-6.815	-0.069	TNFAIP6
7132	0.073	-0.013	0.006	0.054	TNFRSF1A
7133	2.242	-3.030	-0.948	0.160	TNFRSF1B
7134	0.000	0.026	0.000	0.026	TNNC1
7135	-0.035	0.226	-0.037	0.227	TNNI1
7136	0.000	0.224	0.000	0.224	TNNI2
7137	0.000	0.000	0.000	0.000	TNNI3
7138	-0.003	0.197	1.021	-0.827	TNNT1
7139	0.073	-0.069	-0.006	0.010	TNNT2
7140	0.000	0.240	0.001	0.239	TNNT3
7141	0.002	0.015	0.001	0.015	TNP1
7142	0.018	-0.018	0.000	0.000	TNP2
7143	0.000	0.031	0.000	0.031	TNR
7145	0.557	-1.262	-0.654	0.010	TNS1
7148	-0.001	0.000	-0.001	0.000	TNXB
715	0.948	-3.202	-3.139	0.884	C1R
7150	0.140	-0.936	-0.566	-0.230	TOP1
7153	0.013	2.218	2.551	-0.320	TOP2A
7155	-0.333	0.675	0.577	-0.235	TOP2B
7156	-0.077	-0.063	-0.094	-0.013	TOP3A
7157	-0.608	0.495	0.030	-0.142	TP53
7158	-0.193	0.122	-0.029	-0.042	TP53BP1
7159	-0.007	-3.185	-2.784	-0.408	TP53BP2
716	0.659	-3.522	-3.815	0.952	C1S
7161	0.026	-0.027	0.000	0.000	TP73
7162	-0.732	0.530	0.322	-0.525	TPBG
7163	-0.019	-0.104	0.243	-0.556	TPD52
7164	0.269	1.363	1.749	-0.117	TPD52L1
7165	0.022	-0.701	-0.988	0.308	TPD52L2
7166	0.005	-0.005	0.000	0.000	TPH1
7167	0.110	-0.406	-0.343	0.045	TPI1
7168	-0.514	2.905	2.109	0.297	TPM1
7169	0.153	1.238	0.775	0.616	TPM2
717	0.000	0.289	0.014	0.275	C2
7170	-0.038	0.031	0.025	-0.031	TPM3
7171	0.322	-0.498	-0.029	-0.147	TPM4

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
7172	0.106	-0.075	0.187	-0.157	TPMT
7173	0.047	-0.047	0.000	0.000	TPO
7174	-0.008	-0.061	0.273	-0.341	TPP2
7175	-0.372	0.660	0.488	-0.090	TPR
7177	0.010	-0.003	0.000	0.000	TPSAB1
7178	-0.067	0.171	0.112	-0.014	TPT1
7179	-0.005	0.000	-0.005	0.000	TPTE
718	0.785	0.219	2.882	-1.878	C3
7180	0.062	-0.062	0.000	0.000	CRISP2
7181	-0.023	0.029	0.290	-0.232	NR2C1
7182	-0.072	-2.153	-1.941	-0.285	NR2C2
7184	0.484	-0.343	0.249	-0.425	HSP90B1
7185	-0.167	-3.010	-3.617	0.440	TRAF1
7186	-0.075	-0.386	-0.496	0.035	TRAF2
7187	-0.132	-0.978	-0.996	-0.115	TRAF3
7188	-0.097	1.374	1.277	0.000	TRAF5
7189	0.329	-2.513	-2.085	-0.099	TRAF6
719	0.194	-0.403	-0.178	-0.031	C3AR1
72	-0.363	1.271	-0.436	1.344	ACTG2
7200	-0.063	0.111	-0.059	0.106	TRH
7201	-0.002	-0.034	-0.037	0.000	TRHR
7203	0.001	-0.481	-0.413	-0.068	CCT3
7204	-0.153	-0.869	-1.096	-0.006	TRIO
7205	0.063	0.221	0.183	0.101	TRIP6
7216	0.001	0.000	0.000	-0.004	TRO
722	0.899	-1.217	1.281	-1.599	C4BPA
7220	-0.077	0.127	0.037	0.101	TRPC1
7221	0.000	0.000	0.001	-0.001	TRPC2
7222	0.000	0.000	0.000	0.000	TRPC3
7223	0.037	-0.027	0.040	-0.030	TRPC4
7224	0.000	0.018	0.001	0.017	TRPC5
7225	0.000	0.055	0.013	0.041	TRPC6
7226	-0.005	0.000	0.018	-0.022	TRPM2
7227	-0.044	2.902	3.168	-0.310	TRPS1
7247	0.072	-0.153	0.303	-0.185	TSN
7248	-0.355	-0.293	-0.316	-0.333	TSC1
7249	-0.137	0.236	0.177	-0.078	TSC2
725	0.644	-0.505	0.006	0.133	C4BPB
7251	-0.099	0.355	0.326	-0.070	TSG101
7252	0.000	0.025	0.000	0.025	TSHB
7253	0.000	0.027	0.072	0.000	TSHR
7257	-0.508	1.993	1.406	0.080	TSNAX
7258	0.005	-0.005	0.002	-0.002	TSPY1
7259	0.029	0.171	0.422	-0.222	TSPYL1
726	-0.113	0.466	-0.117	0.470	CAPN5

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
7260	-0.717	1.606	1.307	-0.419	TSSC1
7262	0.110	-0.315	-0.243	0.038	PHLDA2
7263	-0.708	2.473	1.556	0.208	TST
7264	-0.153	1.677	1.415	0.110	TSTA3
7265	-0.281	0.673	0.229	0.164	TTC1
7266	0.300	-0.462	0.059	-0.220	DNAJC7
7267	-0.382	2.492	2.476	-0.409	TTC3
7268	0.170	-1.411	-1.207	-0.034	TTC4
727	-0.003	0.000	-0.003	0.000	C5
7270	-0.007	-0.572	-0.277	-0.302	TTF1
7272	0.183	-0.158	0.571	-0.546	TTK
7273	0.006	0.200	0.000	0.206	TTN
7274	0.000	0.000	0.000	0.000	TPA
7275	0.000	0.000	0.000	0.000	TUB
7276	-0.012	0.140	-0.009	0.137	TTR
7277	0.117	0.761	0.535	0.343	TUBA4A
7278	0.098	0.151	-0.114	0.362	TUBA3C
727800	0.000	0.505	0.112	0.394	RNF208
727897	0.045	0.637	0.628	0.054	MUC5B
728	0.674	-0.913	-0.238	-0.001	C5AR1
7280	0.072	-0.521	-0.774	0.325	TUBB2A
728093	-0.914	0.881	0.390	-0.423	LOC728093
728215	0.000	0.646	1.528	-0.881	FAM155A
7283	-0.601	1.503	0.967	-0.066	TUBG1
728361	0.000	0.007	0.000	0.007	OVOL3
7284	-0.052	0.460	-0.256	0.663	TUFM
728448	-0.028	-0.013	-0.030	-0.011	PPIEL
728498	-0.494	1.399	1.077	-0.171	GOLGA8H
7286	-0.032	-2.304	-1.997	-0.339	TUFT1
728621	0.000	0.048	0.000	0.048	CCDC30
728661	-0.774	2.520	1.722	0.025	SLC35E2B
7287	0.000	0.000	0.060	-0.060	TULP1
7288	-0.115	-0.074	-0.190	0.000	TULP2
728855	0.078	1.753	1.601	0.230	LINC00623
728882	0.009	0.107	0.002	0.114	FAM182B
7289	-0.084	-0.812	-0.866	-0.031	TULP3
729	0.000	0.270	0.026	0.244	C6
7290	0.324	-2.001	-0.103	-1.574	HIRA
7291	0.632	-0.606	-0.277	0.303	TWIST1
729164	0.003	0.542	0.058	0.487	LOC729164
7292	0.000	0.205	0.320	-0.115	TNFSF4
729230	0.055	-0.055	0.000	0.000	CCR2
729238	0.000	0.865	0.265	0.600	SFTPA2
7293	0.103	-0.114	0.000	-0.011	TNFRSF4
7294	0.000	0.011	0.029	-0.018	TXK

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7295	-0.116	-0.255	-0.289	-0.082	TXN
729515	0.243	-0.110	0.574	-0.442	TMEM242
7296	0.242	-5.019	-4.639	-0.137	TXNRD1
7297	-0.389	-0.153	-0.743	0.201	TYK2
729799	-0.109	0.022	0.081	-0.168	SEC14L1P1
7298	0.049	1.686	1.857	-0.122	TYMS
729815	-0.056	0.210	-0.054	0.208	LOC729815
7299	0.000	0.000	0.000	0.000	TYR
729991	0.032	-0.033	0.020	-0.020	MEF2BNB
730	0.111	-0.013	-0.298	0.396	C7
730051	-0.075	-0.167	0.105	-0.347	ZNF814
730092	0.000	0.000	0.000	0.000	RRN3P1
7301	0.088	-0.136	-0.049	0.001	TYRO3
730101	-0.119	-1.090	-1.037	-0.172	LOC730101
730227	0.010	-0.010	0.006	-0.006	LOC730227
7305	-0.060	-0.004	-0.063	-0.001	TYROBP
7306	-0.038	0.000	-0.038	0.000	TYRP1
7307	0.220	-1.875	-1.538	-0.118	U2AF1
731	0.001	-0.001	0.000	0.000	C8A
7311	0.065	-0.093	-0.229	0.201	UBA52
7314	0.059	-0.457	-0.438	0.040	UBB
7316	0.021	-1.133	-1.152	0.040	UBC
7317	-0.339	0.798	0.267	0.191	UBA1
7318	-0.016	0.514	0.262	0.236	UBA7
7319	0.190	-0.130	-0.082	0.142	UBE2A
732	0.004	0.038	0.017	0.024	C8B
7320	0.402	-0.509	-0.194	0.066	UBE2B
7321	0.195	-1.665	-1.380	-0.060	UBE2D1
7322	0.079	-0.170	-0.132	0.147	UBE2D2
7323	0.179	-1.151	-1.245	0.056	UBE2D3
7324	-0.335	0.107	-0.009	-0.219	UBE2E1
7326	-0.280	-0.432	-0.390	-0.321	UBE2G1
7327	0.050	-0.911	-0.589	-0.273	UBE2G2
7328	0.253	-2.464	-1.738	-0.473	UBE2H
7329	0.000	0.000	0.024	-0.083	UBE2I
733	0.000	0.000	0.000	0.000	C8G
7332	0.101	-0.307	-0.013	0.006	UBE2L3
7334	0.138	-0.972	-0.880	0.054	UBE2N
7336	0.076	0.062	0.279	-0.141	UBE2V2
7337	0.107	-0.638	-0.248	-0.080	UBE3A
734	0.000	0.066	0.123	-0.066	OSGIN2
7341	-0.070	0.218	0.421	-0.149	SUMO1
7342	0.064	-0.084	0.171	-0.191	UBP1
7343	-0.164	0.226	0.295	-0.233	UBTF
7345	-0.188	1.081	0.756	0.136	UCHL1

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
7347	-0.065	-0.130	-0.128	-0.066	UCHL3
7348	-0.015	1.841	1.571	0.254	UPK1B
7349	-0.112	0.022	-0.112	0.022	UCN
735	0.000	0.000	0.000	0.000	C9
7350	-0.020	0.155	-0.019	0.153	UCP1
7351	-0.983	-0.315	-1.204	-0.094	UCP2
7352	-0.020	0.070	0.061	-0.010	UCP3
7353	-0.026	0.439	0.116	0.297	UFD1L
7355	-0.636	-0.179	-0.147	-0.215	SLC35A2
7356	-0.148	-0.003	-0.151	-0.001	SCGB1A1
7357	-0.147	-3.225	-2.878	-0.494	UGCG
7358	-0.522	-1.022	-1.625	0.081	UGDH
7360	0.388	0.161	0.866	-0.318	UGP2
7363	0.000	0.508	0.000	0.508	UGT2B4
7366	-0.003	0.000	0.000	0.000	UGT2B15
7367	0.019	0.108	-0.001	0.129	UGT2B17
7368	0.103	1.817	2.530	-0.610	UGT8
7369	0.000	0.039	0.000	0.039	UMOD
7371	-0.015	-1.162	-1.106	-0.071	UCK2
7372	-0.082	-0.042	-0.360	-0.078	UMPS
7373	-0.006	0.020	-0.068	0.035	COL14A1
7374	-0.041	1.863	1.652	0.169	UNG
7375	-0.061	0.204	0.596	-0.318	USP4
7376	0.247	-1.427	-1.085	-0.096	NR1H2
7378	0.339	-1.342	-0.657	-0.346	UPP1
7379	0.000	0.000	0.134	-0.134	UPK2
738	0.081	0.432	0.091	0.423	VPS51
7380	-0.015	0.000	-0.015	0.000	UPK3A
7381	-0.133	0.689	0.591	-0.036	UQCRB
7384	-0.395	1.169	0.522	0.252	UQCRC1
7385	-0.140	0.005	0.051	-0.185	UQCRC2
7386	0.012	-0.431	-0.450	0.031	UQCRFS1
7388	0.197	0.357	0.651	-0.097	UQCRH
7389	-0.079	0.899	1.115	0.000	UROD
7390	-0.524	2.720	1.698	0.498	UROS
7392	0.168	0.642	0.707	0.080	USF2
7398	0.115	-0.770	-0.369	-0.287	USP1
7399	0.000	0.007	0.000	0.007	USH2A
740	-0.312	0.052	-0.180	-0.080	MRPL49
7402	-0.283	1.096	0.952	-0.139	UTRN
7403	0.072	-1.178	-1.770	-0.326	KDM6A
7404	-0.002	0.000	-0.002	0.026	UTY
7405	-0.280	-1.610	-1.733	-0.157	UVRAG
7407	-0.131	-0.445	-0.570	-0.006	VARS
7408	0.415	-0.720	-0.256	-0.049	VASP

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
7409	0.000	0.015	0.000	0.015	VAV1
741	0.047	-0.313	-0.280	0.014	ZNHIT2
7410	0.074	0.175	0.020	0.229	VAV2
7411	-0.040	-0.220	0.012	-0.273	VBP1
7412	0.069	-2.858	-2.792	0.002	VCAM1
7414	-0.451	0.013	-0.425	-0.013	VCL
7415	0.278	-1.187	-1.072	0.163	VCP
7416	0.054	0.026	0.086	-0.161	VDAC1
7417	0.072	-0.262	-0.245	0.056	VDAC2
7419	0.085	1.109	1.035	0.031	VDAC3
7421	0.079	-0.128	0.044	-0.104	VDR
7422	0.202	-2.650	-1.977	-0.363	VEGFA
7423	-0.043	0.449	0.175	0.232	VEGFB
7424	-1.404	0.751	-0.273	-0.380	VEGFC
7425	0.000	0.000	0.003	-0.003	VGf
7428	0.009	0.517	0.386	0.139	VHL
7429	0.000	0.000	0.003	-0.003	VIL1
7430	0.275	-2.587	-1.948	-0.148	EZR
7431	0.482	1.279	1.380	0.381	VIM
7432	-0.040	0.000	-0.039	-0.001	VIP
7433	-0.157	0.013	-0.062	-0.082	VIPR1
7434	0.000	0.132	0.043	-0.007	VIPR2
7436	-0.032	-0.895	-1.155	0.228	VLDLR
7439	-0.124	-0.002	-0.122	-0.004	BEST1
744	0.077	-0.028	0.080	-0.031	MPPED2
7441	0.000	0.130	0.000	0.130	VPREB1
7442	-0.028	-0.011	-0.034	-0.005	TRPV1
7443	-0.262	0.820	1.136	-0.578	VRK1
7444	-0.457	0.016	0.262	-0.703	VRK2
7447	0.237	2.705	2.460	0.482	VSNL1
7448	0.000	0.089	0.000	0.089	VTN
745	0.000	0.007	0.000	0.004	C11orf9
7450	0.261	-0.559	-1.098	0.799	VWF
7453	-0.216	-0.818	-1.126	0.092	WARS
7454	-0.034	0.249	0.035	0.179	WAS
7456	0.616	-0.309	-0.013	-0.045	WIPF1
7458	0.106	-0.821	-0.902	0.187	EIF4H
746	-0.020	0.800	0.388	0.392	C11orf10
7461	0.031	0.131	0.014	0.148	CLIP2
7462	-0.091	0.005	0.036	-0.121	LAT2
7464	-0.312	1.049	1.279	-0.541	CORO2A
7465	-0.123	-2.671	-2.434	-0.360	WEE1
7466	-0.979	0.041	-0.852	-0.086	WFS1
7468	-0.157	0.000	-0.039	0.000	WHSC1
7469	-0.093	-0.604	-0.702	0.005	WHSC2

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
747	0.001	-0.001	0.021	-0.021	DAGLA
7471	0.000	0.000	0.000	0.000	WNT1
7472	0.621	-0.294	0.462	-0.135	WNT2
7473	0.007	-0.007	0.005	-0.005	WNT3
7474	-0.795	3.778	3.550	-0.567	WNT5A
7475	0.007	-0.008	0.001	0.000	WNT6
7476	0.000	0.303	0.452	-0.149	WNT7A
7477	0.009	0.129	0.108	0.030	WNT7B
7479	0.000	0.000	0.014	-0.014	WNT8B
7480	0.000	0.088	0.000	0.088	WNT10B
7481	0.055	-0.058	-0.003	0.000	WNT11
7482	-0.001	0.001	-0.001	0.002	WNT2B
7485	0.305	0.955	1.595	-0.335	WRB
7486	-0.409	-0.947	-1.519	0.163	WRN
7490	0.000	0.039	0.001	0.037	WT1
7494	0.264	-2.816	-2.363	-0.189	XBP1
7498	0.600	2.235	3.418	-0.582	XDH
750	0.000	0.035	0.000	0.035	C16orf3
7503	-0.465	1.244	0.727	0.052	XIST
7504	0.000	0.073	0.000	0.073	XK
7507	-0.019	0.373	0.240	0.114	XPA
7508	-0.455	0.139	-0.181	-0.135	XPC
7511	0.308	0.105	0.312	0.100	XPNPEP1
7512	0.000	0.000	0.062	-0.062	XPNPEP2
7514	-0.122	0.480	0.575	-0.217	XPO1
7515	-0.240	0.650	0.415	-0.006	XRCC1
7516	-0.097	-0.229	0.285	-0.610	XRCC2
7517	0.000	0.000	0.000	0.000	XRCC3
7518	-0.034	0.322	0.644	-0.166	XRCC4
751816	0.167	-0.187	0.006	-0.026	DSERG1
752	0.010	0.002	0.000	0.012	FMNL1
7520	-0.248	0.621	0.610	-0.238	XRCC5
752014	-0.002	0.000	0.014	-0.016	CEMP1
7525	0.072	-1.208	-1.015	-0.101	YES1
7528	-0.149	-0.519	-0.329	-0.338	YY1
7529	0.122	0.196	0.622	-0.221	YWHAB
753	0.080	0.539	0.300	0.409	C18orf1
7531	-0.050	-1.159	-0.168	-0.231	YWHAE
7533	0.287	-1.255	-1.011	0.043	YWHAH
7534	-0.068	-0.617	-0.525	-0.154	YWHAZ
7535	0.129	-0.194	-0.065	0.000	ZAP70
7536	0.082	-1.629	-0.932	-0.615	SF1
7538	-0.017	-4.201	-4.226	0.009	ZFP36
7539	0.405	-0.397	0.159	-0.150	ZFP37
754	-0.116	1.358	1.471	-0.228	PTTG1IP

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
7541	-0.003	0.732	0.771	-0.042	ZFP161
7542	0.003	-0.007	-0.461	0.186	ZFPL1
7543	-0.088	-1.848	-2.120	0.126	ZFX
7544	0.000	0.000	0.000	0.000	ZFY
7545	-0.011	0.091	-0.011	0.091	ZIC1
7547	0.053	0.109	0.000	0.162	ZIC3
755	-0.029	0.068	0.000	0.000	C21orf2
7551	-0.042	0.001	-0.074	-0.010	ZNF3
7552	0.076	-0.403	-0.310	-0.017	ZNF711
7553	0.382	-0.777	0.051	-0.445	ZNF7
7554	0.058	-0.529	-0.195	-0.276	ZNF8
7555	-0.091	-0.881	-0.821	-0.150	CNBP
7556	0.576	-3.016	-2.503	0.063	ZNF10
7559	0.356	-1.163	-0.435	-0.372	ZNF12
7561	0.152	-0.681	-0.290	-0.239	ZNF14
7564	0.191	-0.559	-0.729	0.360	ZNF16
757	-0.043	0.577	0.737	-0.203	TMEM50B
7570	0.496	-1.443	-0.622	-0.325	ZNF22
7571	-0.587	0.313	-0.234	-0.040	ZNF23
7572	0.156	-1.561	-0.869	-0.523	ZNF24
758	0.001	0.073	0.000	0.074	MPPED1
7580	0.032	2.004	1.677	0.359	ZNF32
7582	-0.270	0.519	1.175	-0.926	ZNF33B
7584	0.425	-1.412	-1.004	0.017	ZNF35
7586	0.041	-0.766	-0.198	-0.527	ZKSCAN1
759	-0.005	0.173	0.076	0.092	CA1
7592	0.034	-0.002	0.028	0.004	ZNF41
7593	-0.229	0.053	-0.174	0.013	MZF1
7594	-0.700	0.088	-0.409	-0.203	ZNF43
7596	0.191	-0.756	-0.170	-0.395	ZNF45
7597	-0.094	-0.530	-0.457	-0.166	ZBTB25
760	0.168	-1.177	-0.500	-0.510	CA2
761	-0.353	4.047	3.867	-0.173	CA3
762	-0.125	-0.098	-0.214	-0.008	CA4
7625	-0.010	0.324	0.107	0.207	ZNF74
7626	-0.019	0.089	0.083	-0.013	ZNF75D
7629	-0.039	0.381	0.124	0.218	ZNF76
763	-0.045	0.000	-0.040	-0.005	CA5A
7633	-0.047	-0.129	-0.109	-0.124	ZNF79
7634	-0.024	0.000	-0.024	0.000	ZNF80
7637	0.081	-0.668	-0.424	-0.163	ZNF84
7638	0.000	0.015	0.000	0.015	ZNF221
7639	-0.199	0.436	0.255	-0.018	ZNF85
7644	-0.490	-0.868	-0.588	-0.770	ZNF91
765	0.023	5.913	6.917	-0.981	CA6

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
766	0.000	0.000	0.000	0.000	CA7
767	1.355	-1.048	0.927	-0.620	CA8
7673	0.753	-1.381	-0.945	0.316	ZNF222
7678	0.299	-0.624	-0.617	0.292	ZNF124
768	0.684	-0.560	0.605	-0.481	CA9
7681	0.058	0.138	0.008	0.187	MKRN3
7690	0.419	-1.222	-0.779	-0.024	ZNF131
7691	0.000	0.036	0.036	0.001	ZNF132
7692	-0.100	1.620	1.401	0.119	ZNF133
7693	0.521	-1.805	-1.367	0.082	ZNF134
7694	-0.082	0.395	0.375	-0.062	ZNF135
7695	0.395	-2.314	-1.588	-0.331	ZNF136
7696	-0.245	0.083	-0.107	-0.056	ZNF137P
7699	0.308	-1.247	-0.816	-0.124	ZNF140
770	-0.188	0.699	1.108	-0.597	CA11
7700	-0.072	-0.058	-0.124	-0.005	ZNF141
7701	-0.379	-0.412	-0.767	-0.024	ZNF142
7702	0.074	-1.424	-1.353	0.003	ZNF143
7703	-0.008	0.474	0.152	0.314	PCGF2
7704	1.198	-5.259	-4.061	-0.001	ZBTB16
7705	-0.061	-0.417	-0.300	-0.178	ZNF146
7706	-0.103	-0.141	-0.317	0.072	TRIM25
7707	-0.131	-0.074	0.185	-0.391	ZNF148
7709	-0.103	-1.055	-1.246	0.088	ZBTB17
771	-0.086	-4.273	-4.572	-0.022	CA12
7710	-0.006	0.205	-0.006	0.205	ZNF154
7711	-0.049	-0.933	-0.803	-0.180	ZNF155
7712	-0.069	0.487	-0.069	0.487	ZNF157
7716	-0.545	-0.736	-0.690	0.106	VEZF1
7718	0.984	-7.588	-6.469	-0.135	ZNF165
7726	0.036	-1.308	-1.343	0.071	TRIM26
7727	0.005	-0.016	-0.049	-0.002	ZNF174
7728	-0.241	-0.503	-0.792	0.049	ZNF175
773	0.001	0.000	0.000	0.000	CACNA1A
7730	0.208	-0.197	0.817	-0.806	ZNF177
7733	0.198	0.252	0.534	-0.084	ZNF180
7737	0.158	-1.025	-0.804	-0.063	RNF113A
7738	0.006	-0.953	-0.811	-0.135	ZNF184
7739	-0.588	1.355	1.145	-0.378	ZNF185
774	-0.029	0.000	-0.029	0.000	CACNA1B
7741	0.122	0.225	0.122	0.225	ZNF187
7743	0.349	-0.928	-0.332	-0.246	ZNF189
7745	-0.216	-0.762	-1.015	0.037	ZNF192
7746	0.433	-0.713	0.251	-0.531	ZNF193
7748	0.422	-1.137	-0.485	-0.231	ZNF195

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
775	0.099	-0.010	0.000	0.088	CACNA1C
7750	-0.033	-0.063	-0.111	0.062	ZMYM2
7752	-0.240	-0.763	-0.428	-0.574	ZNF200
7753	0.170	-1.195	-1.004	-0.021	ZNF202
7754	-0.244	2.773	2.456	0.073	ZNF204P
7755	0.080	0.230	0.278	0.032	ZNF205
7756	0.243	-1.279	-1.139	0.103	ZNF207
7757	-0.003	0.005	-0.003	0.005	ZNF208
776	-0.046	0.085	0.008	0.031	CACNA1D
7761	-0.033	0.408	0.422	-0.046	ZNF214
7762	-0.007	0.206	0.004	0.195	ZNF215
7763	-0.115	-0.649	-0.883	0.119	ZFAND5
7764	0.100	-1.432	-0.708	-0.624	ZNF217
7766	0.030	0.087	0.600	-0.484	ZNF223
7767	-0.081	0.390	0.242	-0.048	ZNF224
7768	-0.044	0.000	-0.028	-0.016	ZNF225
7769	-0.327	0.647	0.408	-0.088	ZNF226
777	0.000	0.000	0.000	0.000	CACNA1E
7770	0.230	-1.395	-0.782	-0.383	ZNF227
7771	0.112	0.547	0.878	-0.219	ZFP112
7775	-0.288	0.676	0.328	0.061	ZNF232
7776	-0.071	-0.064	-0.110	-0.025	ZNF236
7779	-0.142	0.054	-0.492	0.404	SLC30A1
778	0.000	0.000	0.000	0.000	CACNA1F
7781	0.139	-0.113	-0.023	0.049	SLC30A3
7782	0.000	0.000	0.011	-0.011	SLC30A4
7783	0.003	0.001	0.000	0.004	ZP2
7786	0.178	-0.346	0.155	-0.323	MAP3K12
779	0.000	0.115	0.000	0.115	CACNA1S
7791	0.037	-0.446	-1.033	0.624	ZYX
7798	-0.003	0.367	0.448	-0.084	LUZP1
7799	0.139	-1.645	-1.208	-0.039	PRDM2
780	-0.279	1.480	1.134	0.076	DDR1
7802	-0.892	-0.225	-0.850	-0.267	DNALI1
7803	0.023	-1.552	-1.397	-0.270	PTP4A1
7804	-0.466	-0.101	-0.028	-0.539	LRP8
7805	1.059	-2.765	-2.066	0.361	LAPTM5
781	-0.043	-0.021	-0.052	-0.011	CACNA2D1
7812	-0.024	0.761	0.839	-0.102	CSDE1
7813	-0.023	0.485	0.108	0.064	EVI5
7818	-0.128	-0.544	-0.607	-0.065	DAP3
782	0.025	0.095	0.037	0.031	CACNB1
7827	-0.079	0.124	0.027	0.018	NPHS2
783	0.007	-0.003	0.000	0.000	CACNB2
7832	0.388	-1.453	-0.975	-0.089	BTG2

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
7837	0.062	2.634	2.826	-0.130	PXDN
784	-0.020	1.012	0.438	0.554	CACNB3
7840	-0.066	0.651	1.189	-0.592	ALMS1
7841	-0.012	0.269	0.052	0.204	MOGS
7844	-0.107	-1.544	-1.487	-0.163	RNF103
7846	0.041	1.242	1.345	-0.062	TUBA1A
7849	0.011	0.000	0.001	0.003	PAX8
785	0.321	-0.743	-0.412	-0.010	CACNB4
7850	-0.068	-0.608	-0.670	-0.006	IL1R2
7851	0.636	1.963	2.726	-0.127	MALL
7852	1.359	-5.092	-3.691	-0.037	CXCR4
7855	-0.519	-0.600	-0.795	-0.324	FZD5
7857	-0.249	-0.005	-0.027	-0.227	SCG2
786	-0.043	0.050	-0.136	0.142	CACNG1
7862	0.026	-1.344	-0.946	-0.371	BRPF1
7866	-0.049	-0.743	-0.469	-0.323	IFRD2
7867	-0.178	0.983	0.694	0.110	MAPKAPK3
7869	-0.426	-0.117	-0.429	-0.114	SEMA3B
7873	0.543	-0.853	-0.294	-0.017	MANF
7874	0.113	-1.052	-0.969	-0.119	USP7
7879	0.090	-0.556	-0.346	0.046	RAB7A
788	-0.823	1.891	0.839	0.229	SLC25A20
7881	0.013	0.134	0.028	0.128	KCNAB1
7884	0.109	-1.047	-0.561	-0.377	SLBP
78986	0.280	-0.284	-0.004	0.000	DUSP26
78987	-0.012	1.098	0.996	0.090	CRELD1
78988	-0.519	0.672	0.838	-0.388	MRP63
78989	0.069	-0.047	0.000	0.021	COLEC11
78990	-0.021	-0.612	-0.212	-0.422	OTUB2
78991	-0.241	1.294	1.495	-0.442	PCYOX1L
78992	-0.029	0.370	0.505	0.119	YIPF2
78994	-0.207	-0.418	-0.524	-0.101	PRR14
78995	0.000	0.000	0.000	0.000	C17orf53
78996	-0.058	0.648	0.793	-0.203	C7orf49
78997	0.000	0.207	0.118	0.089	GDAP1L1
78998	0.000	0.240	0.000	0.240	RHPN1-AS1
78999	-0.025	0.525	0.450	0.051	LRFN4
790	-0.375	1.134	0.320	0.439	CAD
79000	-0.143	0.197	0.140	-0.086	AUNIP
79001	0.539	-0.512	-0.260	0.287	VKORC1
79003	0.811	-3.360	-1.680	-0.869	MIS12
79004	-0.437	2.184	1.743	0.004	CUEDC2
79005	-0.324	-0.241	-0.461	-0.104	SCNM1
79006	0.079	0.372	0.424	0.028	METRNL
79007	-0.015	0.324	0.383	-0.074	DBNDD1

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
79009	-0.033	0.234	0.144	0.057	DDX50
79012	0.002	0.074	-0.002	0.079	CAMKV
79015	-0.114	0.000	-0.111	-0.004	LOC79015
79016	-0.049	0.475	-0.015	0.441	DDA1
79017	-0.306	1.129	0.821	0.002	GGCT
79018	0.384	-1.100	-0.619	-0.097	GID4
79019	0.000	0.022	0.125	-0.103	CENPM
79022	0.450	0.993	1.687	-0.245	TMEM106C
79023	-0.243	1.003	1.222	-0.462	NUP37
79024	0.065	0.018	0.061	0.022	SMIM2
79025	0.000	0.012	0.000	0.012	C20orf195
79026	-0.479	0.637	0.257	-0.099	AHNAK
79029	0.124	-1.396	-0.669	-0.510	SPATA5L1
7903	0.140	-0.140	0.000	0.000	ST8SIA4
79033	-0.102	0.618	0.344	0.172	ERI3
79034	0.002	-0.605	-0.728	0.000	C7orf26
79035	-0.076	0.219	0.079	0.063	NABP2
79036	0.101	-0.487	-0.537	0.151	KXD1
79037	0.050	-0.050	0.000	0.000	PVRIG
79038	0.097	1.140	1.219	0.019	ZFYVE21
79039	0.055	-0.513	-0.572	0.114	DDX54
79042	0.140	0.337	0.382	0.094	TSEN34
79047	-0.206	0.275	0.133	-0.064	KCTD15
79048	-0.084	0.181	0.640	-0.543	SECISBP2
7905	-0.193	1.671	1.569	-0.092	REEP5
79050	0.314	-0.873	-0.455	-0.104	NOC4L
79053	-1.055	2.069	1.167	-0.153	ALG8
79054	-0.001	0.000	0.000	-0.001	TRPM8
79056	0.160	-3.539	-2.000	-1.379	PRRG4
79057	0.000	0.004	0.000	0.004	PRRG3
79058	-0.188	0.155	-0.042	0.008	ASPSR1
79064	-0.935	2.849	1.604	0.310	TMEM223
79065	0.051	-0.124	-0.156	0.083	ATG9A
79066	-0.238	-1.108	-1.372	0.025	METTTL16
79068	-0.300	0.844	0.541	0.003	FTO
79070	-0.081	0.526	0.921	-0.475	KDELC1
79071	0.077	0.199	0.361	-0.085	ELOVL6
79072	0.101	0.102	0.758	-0.555	FASTKD3
79073	0.244	-0.124	0.155	-0.034	TMEM109
79074	-0.084	-1.224	-1.571	0.263	C2orf49
79075	-0.008	-0.055	0.066	-0.129	DSCC1
79077	-0.120	0.880	0.443	0.318	DCTPP1
79078	-0.070	0.416	0.513	-0.167	C1orf50
79080	0.307	-2.554	-2.615	0.368	CCDC86
79081	-0.336	0.555	0.315	-0.097	C11orf48

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
79083	-2.383	3.317	0.942	-0.008	MLPH
79084	0.138	-0.027	-0.102	0.212	WDR77
79085	-0.011	0.000	0.001	-0.012	SLC25A23
79086	-0.461	0.326	0.139	-0.274	C19orf42
79087	-0.187	0.136	-0.249	0.199	ALG12
79088	0.228	-1.041	-0.426	-0.388	ZNF426
79089	-0.070	0.100	0.027	0.003	TMUB2
79090	0.104	0.625	0.438	0.292	TRAPPC6A
79091	0.211	-1.241	-1.009	-0.021	METTL22
79092	0.013	0.194	0.057	0.150	CARD14
79094	0.423	-3.133	-3.072	0.362	CHAC1
79095	0.315	1.274	1.366	0.233	C9orf16
79096	-0.660	2.188	1.356	0.173	C11orf49
79097	-0.002	0.424	0.009	0.413	TRIM48
79098	0.476	0.363	1.007	-0.168	C1orf116
79101	-0.361	-1.552	-1.718	-0.194	TAF1D
79109	-0.265	0.559	0.380	-0.086	MAPKAP1
7913	0.154	-0.864	-0.501	-0.208	DEK
79132	-0.017	0.033	-0.005	0.021	DHX58
79133	-0.035	0.561	-0.035	0.561	NDUF5
79134	0.165	-1.257	-0.610	-0.481	TMEM185B
79135	-0.361	2.382	2.192	-0.171	APOO
79136	0.057	-0.053	0.000	0.003	LY6G6E
79137	0.084	0.303	0.775	-0.237	FAM134A
79139	0.137	-1.335	-1.200	0.002	DERL1
79140	0.073	0.198	0.141	0.130	CCDC28B
79143	-0.019	0.800	0.561	0.220	MBOAT7
79144	-0.258	0.661	0.437	-0.035	PPDPF
79145	-0.070	-0.113	0.161	-0.344	CHCHD7
79147	-0.003	-0.027	-0.050	0.021	FKRP
79148	0.000	0.065	0.000	0.065	MMP28
79149	0.334	-1.272	-1.032	0.094	ZSCAN5A
7915	-0.001	0.425	0.950	-0.525	ALDH5A1
79150	0.004	0.041	0.000	0.044	MGC4859
79152	0.065	0.013	0.060	0.018	FA2H
79153	0.043	0.257	0.721	-0.420	GDPD3
79154	0.054	0.470	0.318	0.206	DHRS11
79155	-0.021	-1.116	-1.383	0.246	TNIP2
79156	-0.025	-1.352	-1.516	0.139	PLEKHF1
79157	0.018	-0.001	0.082	-0.066	MFSD11
79158	-0.014	0.975	0.969	-0.007	GNPTAB
79159	-0.011	-0.268	-0.217	-0.062	NOL12
7916	-0.159	-0.181	-0.556	0.301	PRRC2A
79160	0.000	0.275	0.393	-0.118	MGC4294
79161	0.245	0.109	0.468	-0.114	C7orf23

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
79166	-0.028	0.069	0.010	0.031	LILRP2
79168	0.000	0.264	0.086	0.179	LILRA6
79169	0.067	0.102	-0.053	0.222	C1orf35
7917	-0.244	-0.010	-0.343	0.129	BAG6
79170	-0.039	3.073	3.229	-0.195	PRR15L
79171	-0.059	-0.040	-0.199	0.099	RBM42
79172	0.005	0.193	-0.001	0.198	CENPO
79173	0.000	0.167	0.237	-0.070	C19orf57
79174	0.031	-0.094	0.149	-0.212	CRELD2
79175	0.239	-0.273	0.055	-0.089	ZNF343
79176	-0.089	0.729	0.188	0.451	FBXL15
79177	-0.145	-0.071	-0.121	-0.095	ZNF576
79178	-0.537	1.056	0.558	-0.039	THTPA
79180	-0.045	-0.638	-0.634	-0.049	EFHD2
79183	-0.110	-0.440	-0.446	-0.104	TTPAL
79184	-0.076	1.191	1.654	-0.540	BRCC3
79187	0.000	0.000	0.010	-0.010	FSD1
79188	0.457	-1.114	-0.645	-0.012	TMEM43
79228	0.121	-1.759	-1.517	-0.121	THOC6
7923	-0.713	1.497	0.671	0.112	HSD17B8
79230	-0.281	-0.829	-0.766	-0.343	ZNF557
79269	0.154	-0.612	-0.052	-0.407	DCAF10
793	0.010	0.188	0.210	-0.012	CALB1
7932	0.023	-0.002	0.000	0.022	OR2H2
7936	0.007	-0.331	-0.271	-0.052	RDBP
79363	-0.001	0.076	-0.001	0.076	RSG1
79364	0.235	-0.232	0.012	-0.009	ZXDC
79365	-0.307	3.233	3.184	-0.259	BHLHE41
79366	0.055	0.212	0.460	-0.193	HMGN5
79368	-0.032	0.000	-0.026	-0.006	FCRL2
79369	0.000	0.289	0.011	0.277	B3GNT4
79370	-0.003	0.000	-0.002	-0.001	BCL2L14
794	0.588	1.807	2.869	-0.474	CALB2
7940	0.000	0.000	0.000	0.000	LST1
79400	0.000	0.020	0.048	-0.028	NOX5
7941	0.071	1.281	1.434	-0.082	PLA2G7
79411	-0.298	1.632	1.451	-0.118	GLB1L
79412	-0.002	0.084	-0.002	0.084	KREMEN2
79413	0.003	3.342	3.857	-0.513	ZBED2
79414	0.099	0.117	0.383	-0.167	LRFN3
79415	-0.444	1.084	0.889	-0.250	C17orf62
7942	0.060	0.563	0.355	0.267	TFEB
79441	0.198	-1.503	-1.192	-0.112	HAUS3
79442	0.046	-0.046	0.002	-0.002	LRRC2
79443	-0.455	0.863	0.964	-0.556	FYCO1

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
79444	-0.013	-0.026	-0.001	-0.038	BIRC7
79446	0.256	-0.235	-0.054	0.075	WDR25
79447	0.048	0.531	0.816	-0.236	C16orf53
795	0.003	0.303	0.017	0.289	S100G
79567	-0.185	-1.101	-1.447	0.161	FAM65A
79568	-0.038	-0.019	0.082	-0.139	C2orf47
7957	0.105	0.054	0.011	0.001	EPM2A
79570	-0.013	0.129	-0.013	0.129	NKAIN1
79571	0.045	-2.470	-1.819	-0.607	GCC1
79572	0.192	-2.726	-2.412	-0.121	ATP13A3
79573	-0.461	0.955	0.781	-0.287	TTC13
79574	-0.089	0.073	0.285	-0.301	EPS8L3
79575	-0.070	-0.012	-0.070	-0.012	ABHD8
79577	0.187	-0.536	-0.218	-0.131	CDC73
79581	-0.504	0.207	-0.461	0.164	SLC52A2
79582	-0.115	2.087	2.322	-0.350	SPAG16
79583	0.081	0.326	0.434	-0.028	TMEM231
79585	-0.039	0.243	-0.028	0.232	CORO7
79586	-0.009	0.683	0.603	0.070	CHPF
79587	-0.667	1.088	0.510	-0.089	CARS2
79589	1.221	2.904	4.413	-0.289	RNF128
79590	-0.439	1.086	0.799	-0.152	MRPL24
79591	-0.141	0.267	0.197	-0.071	C10orf76
79594	0.039	-0.587	-0.771	0.223	MUL1
79595	-0.289	-0.851	-1.067	-0.072	SAP130
79596	0.105	-1.016	-0.864	-0.047	RNF219
79598	-0.222	0.048	-0.221	0.048	CEP97
796	-0.062	-0.052	-0.052	-0.010	CALCA
79600	-0.302	2.208	2.229	-0.323	TCTN1
79602	0.022	-1.661	-1.922	0.283	ADIPOR2
79603	0.122	-0.235	-0.088	-0.025	CERS4
79605	0.898	-1.441	0.540	-1.083	PGBD5
79608	-0.019	-0.041	0.063	-0.123	RIC3
79609	-0.058	-2.371	-2.209	-0.220	METTL21D
79611	-0.685	-0.062	-0.685	-0.062	ACSS3
79612	-0.221	-0.041	-0.154	-0.108	NAA16
79616	0.007	0.450	0.328	0.130	CCNJL
79618	-0.515	-0.068	-0.361	-0.222	HMBOX1
79621	0.001	0.213	0.155	0.059	RNASEH2B
79622	-0.001	0.697	1.379	-0.683	SNRNP25
79623	0.035	0.524	0.352	0.208	GALNT14
79624	-0.536	0.413	0.179	-0.301	C6orf211
79625	1.409	-2.525	-1.102	-0.013	NDNF
79627	0.190	-2.970	-2.359	-0.421	OGFRL1
79628	0.163	0.791	1.203	-0.249	SH3TC2

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
79629	-0.087	0.651	0.641	-0.078	OCEL1
79630	0.326	-1.696	-1.375	0.005	C1orf54
79631	-0.759	-0.760	-1.252	-0.267	EFTUD1
79632	-0.146	-0.141	-0.236	-0.051	FAM184A
79633	0.027	-0.027	0.000	0.000	FAT4
79634	0.000	0.771	0.237	0.535	SCRN3
79635	-0.033	0.010	-0.034	0.011	CCDC121
79637	-0.169	1.022	0.262	0.591	ARMC7
79639	0.062	0.684	0.821	-0.075	TMEM53
79640	0.000	0.137	0.097	0.040	C22orf46
79641	0.064	2.859	2.854	0.068	ROGDI
79642	-0.629	0.091	-0.453	-0.086	ARSJ
79643	-0.026	0.014	-0.042	0.030	CHMP6
79644	-0.396	1.489	1.397	-0.305	SRD5A3
79645	0.000	0.000	0.000	0.000	EFCAB1
79646	0.067	-0.176	-0.060	-0.050	PANK3
79647	0.226	-1.603	-0.997	-0.380	AKIRIN1
79648	-0.162	0.037	-0.161	0.036	MCPH1
79649	-0.006	0.052	-0.002	0.048	MAP7D3
7965	-0.199	0.177	-0.062	0.064	AIMP2
79650	0.049	0.265	0.147	0.167	USB1
79651	-0.112	-0.062	-0.073	-0.101	RHBDF2
79652	0.119	-0.666	-0.307	-0.240	TMEM204
79654	-0.393	1.698	1.089	0.216	HECTD3
79656	0.022	0.123	0.026	0.119	BEND5
79657	-0.044	-0.274	0.216	-0.534	RPAP3
79658	-0.067	-0.296	-0.233	-0.130	ARHGAP10
79659	0.016	0.176	0.744	-0.551	DYNC2H1
79661	-0.047	1.246	1.801	-0.601	NEIL1
79663	0.145	0.074	0.376	-0.157	HSPBAP1
79664	-0.256	0.645	0.450	-0.061	NARG2
79665	-0.006	-0.508	-0.279	-0.236	DHX40
79666	-0.145	-1.668	-1.349	-0.464	PLEKHF2
79667	0.000	0.039	0.054	-0.014	FLJ13197
79668	-0.083	0.361	0.708	-0.430	PARP8
79669	0.225	-4.390	-3.494	-0.670	C3orf52
79670	0.113	-0.982	-0.665	-0.204	ZCCHC6
79671	-0.186	1.557	1.498	-0.127	NLRX1
79672	0.208	0.187	0.483	-0.089	FN3KRP
79673	0.289	-1.487	-1.129	-0.069	ZNF329
79675	0.091	0.649	0.434	0.306	FASTKD1
79676	-0.002	0.068	-0.002	0.030	OGFOD2
79677	-0.136	1.060	1.183	-0.259	SMC6
79679	-0.558	4.242	3.322	0.362	VTCN1
79680	-0.117	0.169	0.010	0.042	C22orf29

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
79682	0.878	-1.635	-0.008	-0.750	MLF1IP
79683	0.178	-0.373	-0.044	-0.152	ZDHC14
79684	-0.400	-0.441	-0.436	-0.404	MSANTD2
79685	-0.010	0.530	0.457	0.063	SAP30L
79686	-0.065	0.157	-0.873	0.964	LINC00341
79689	-1.064	0.317	-0.073	-0.674	STEAP4
79690	0.097	0.750	1.003	-0.157	GAL3ST4
79691	0.391	-1.772	-1.225	-0.156	QTRTD1
79693	0.348	-3.458	-2.383	-0.727	YRDC
79694	-0.044	0.588	0.430	0.115	MANEA
79695	0.002	0.011	0.187	-0.175	GALNT12
79696	0.015	0.229	0.346	-0.101	ZC2HC1C
79697	0.468	-0.306	0.450	-0.288	C14orf169
79698	-0.001	0.077	0.065	0.011	ZMAT4
797	0.001	-0.001	0.004	-0.004	CALCB
79701	-0.001	0.642	0.177	-0.003	C17orf101
79703	0.021	0.307	0.141	0.187	C11orf80
79705	0.001	0.399	0.025	0.376	LRRK1
79706	0.051	-0.706	-0.603	-0.052	PRKRIP1
79707	-0.709	0.413	-0.224	-0.072	NOL9
79709	0.032	-0.106	-0.199	0.125	GLT25D1
79710	-0.140	-0.224	0.410	-0.774	MORC4
79711	-0.004	-0.685	-0.525	-0.164	IPO4
79712	0.001	0.190	0.366	-0.175	GTDC1
79713	0.001	-0.001	0.000	0.000	IGFLR1
79714	-0.223	1.275	0.886	0.166	CCDC51
79716	0.000	0.251	0.127	0.164	NPEPL1
79717	-0.349	1.885	1.741	-0.205	PPCS
79718	-0.193	-0.169	0.068	-0.430	TBL1XR1
79719	-0.219	-0.116	-0.234	-0.101	AAGAB
79720	0.431	-1.982	-1.338	-0.213	VPS37B
79722	0.000	0.049	0.011	0.038	ANKRD55
79723	-0.073	-0.062	-0.135	0.000	SUV39H2
79724	-0.096	0.241	0.029	0.116	ZNF768
79725	-0.136	0.029	0.101	-0.207	THAP9
79726	-0.007	-0.821	-0.414	0.001	WDR59
79727	-0.002	0.000	-0.002	0.000	LIN28A
79728	-0.858	0.620	0.496	-0.734	PALB2
79729	0.078	-0.391	-0.342	0.030	SH3D21
79730	0.000	0.000	0.000	0.000	NSUN7
79731	-0.678	-0.013	-0.018	-0.673	NARS2
79733	0.012	0.208	0.029	0.192	E2F8
79734	-0.089	0.270	-0.089	0.270	KCTD17
79735	-0.099	-0.161	-0.245	-0.015	TBC1D17
79736	0.223	-0.021	0.425	-0.223	TEFM

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
79738	-0.033	0.309	0.667	-0.391	BBS10
79739	0.000	0.053	0.026	0.027	TTLL7
79740	-0.002	0.000	-0.002	0.000	ZBBX
79741	0.000	0.000	0.000	0.000	C10orf68
79742	-0.029	0.194	-0.030	0.195	CXorf36
79744	-0.471	-0.645	-0.990	-0.126	ZNF419
79745	0.057	0.196	0.076	0.177	CLIP4
79746	0.177	-1.153	-0.479	-0.497	ECHDC3
79747	0.067	-0.067	0.000	0.000	ADGB
79748	-0.054	0.000	-0.054	0.000	LMAN1L
7975	0.215	-1.497	-1.568	0.285	MAFK
79750	-0.304	-0.396	-0.899	0.199	ZNF385D
79751	0.001	-0.505	-0.587	0.084	SLC25A22
79752	0.183	-0.845	-0.419	-0.243	ZFAND1
79753	0.299	-3.386	-2.885	-0.202	SNIP1
79754	-0.039	0.267	0.765	-0.537	ASB13
79755	0.081	1.124	1.630	-0.424	ZNF750
79758	-0.136	0.580	0.346	0.098	DHRS12
79759	0.102	-0.186	-0.078	-0.006	ZNF668
7976	0.546	0.471	1.494	-0.477	FZD3
79760	0.000	0.004	0.048	-0.044	GEMIN7
79762	-0.205	1.073	0.908	-0.040	C1orf115
79763	0.111	0.745	0.672	0.184	ISOC2
79767	-0.205	0.976	0.988	-0.218	ELMO3
79768	0.504	-0.593	0.135	-0.224	C15orf29
79770	-0.022	0.816	0.830	-0.036	TXNDC15
79772	1.639	1.259	3.790	-0.892	MCTP1
79774	0.024	0.020	0.100	-0.056	GRTP1
79776	-0.050	0.896	0.262	0.584	ZFHX4
79777	0.002	-0.009	0.197	-0.204	ACBD4
79778	-0.124	0.597	0.213	0.259	MICALL2
7978	0.014	-0.009	0.062	-0.056	MTERF
79780	-0.003	0.000	0.060	-0.063	CCDC82
79781	0.002	0.276	0.071	0.206	IQCA1
79782	-0.030	0.073	-0.094	0.137	LRRC31
79783	0.000	3.132	2.162	0.970	C7orf10
79784	0.000	0.119	0.006	0.113	MYH14
79785	-0.057	0.000	-0.057	0.000	RERGL
79786	-0.174	-0.786	-0.787	-0.173	KLHL36
79788	-0.122	-0.083	-0.083	-0.122	ZNF665
79789	0.097	-1.679	-1.196	-0.387	CLMN
7979	-0.129	-0.110	-0.556	0.317	SHFM1
79791	0.034	0.107	0.211	-0.069	FBXO31
79792	0.015	0.236	-0.096	0.347	GSDMD
79794	-0.052	-0.519	-0.662	0.091	C12orf49

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
79797	0.014	-0.955	-0.897	-0.043	ZNF408
79799	0.000	0.016	0.000	0.016	UGT2A3
7980	-0.918	-3.072	-3.724	-0.266	TFPI2
79800	0.000	0.441	0.326	0.115	ALS2CR8
79801	0.102	0.162	0.027	0.237	SHCBP1
79802	0.000	0.000	0.000	0.000	HHIPL2
79803	0.416	0.196	0.476	0.135	HPS6
79804	0.006	-0.001	0.000	0.005	NBLA00301
79805	0.146	-0.188	-0.043	0.001	VASH2
79807	0.000	0.000	0.000	0.000	GSTCD
79809	0.000	0.000	0.105	-0.106	TTC21B
79810	-0.010	0.060	1.278	-1.229	PTCD2
79811	-0.014	0.207	0.208	-0.014	SLTM
79812	-0.166	-0.072	-0.238	0.001	MMRN2
79813	-0.004	-0.001	-0.004	-0.001	EHMT1
79814	-0.061	-0.003	-0.140	0.075	AGMAT
79815	-0.062	0.999	0.941	-0.004	NIPAL2
79816	0.000	0.279	0.000	0.279	TLE6
79817	0.683	-0.966	-0.296	0.013	MOB3B
79818	-0.225	-0.180	-0.366	-0.039	ZNF552
79819	-0.212	0.071	-0.127	-0.014	WDR78
7982	-0.263	-0.252	-0.708	0.193	ST7
79820	-0.406	0.265	-0.379	0.238	CATSPERB
79822	0.000	0.053	0.000	0.053	ARHGAP28
79823	0.023	0.846	0.413	0.456	CAMKMT
79825	0.000	0.000	0.000	0.000	CCDC48
79828	0.000	0.147	0.537	-0.390	METTL8
79829	-0.215	1.383	1.413	-0.245	NAA40
79830	-0.065	0.361	0.305	-0.010	ZMYM1
79831	0.000	0.000	0.035	-0.035	KDM8
79832	-0.275	-0.014	-0.308	0.020	QSER1
79833	-0.043	0.455	0.618	-0.206	GEMIN6
79834	-0.304	-0.031	-0.348	0.014	PEAK1
79836	0.608	-3.318	-2.813	0.102	LONRF3
79837	-0.838	1.506	0.699	-0.030	PIP4K2C
79838	-1.419	0.107	-0.579	-0.734	TMC5
79839	0.000	0.026	0.033	-0.006	CCDC102B
7984	-0.043	-1.386	-1.249	-0.179	ARHGEF5
79840	0.254	-0.286	0.207	-0.240	NHEJ1
79841	0.002	-0.002	0.014	-0.014	AGBL2
79842	0.059	0.201	0.288	-0.027	ZBTB3
79843	-0.014	0.226	-0.009	0.222	FAM124B
79844	-1.147	-1.012	-2.409	0.250	ZDHHC11
79845	0.472	-0.486	0.032	-0.046	RNF122
79846	-0.596	-1.745	-2.471	0.130	C7orf63

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
79847	0.000	0.004	0.000	0.004	TMEM180
79848	-0.117	-1.140	-0.982	-0.275	CSPP1
79849	0.000	0.000	0.000	0.000	PDZD3
79850	0.064	-1.304	-0.705	-0.535	FAM57A
79852	-0.031	0.420	0.131	0.258	EPHX3
79853	-0.003	0.066	0.029	0.034	TM4SF20
79854	0.268	-1.683	-1.205	-0.211	LINC00115
79857	0.002	-0.002	0.000	0.000	FLJ13224
79858	-0.013	0.230	0.087	0.130	NEK11
79860	-0.001	0.008	0.010	-0.003	FLJ21369
79861	0.000	0.000	0.000	0.000	TUBAL3
79862	0.381	-1.839	-1.319	-0.140	ZNF669
79863	0.011	0.486	0.700	-0.203	RBFA
79864	-0.439	0.248	0.214	-0.405	C11orf63
79865	0.000	0.000	0.000	0.000	TREML2
79866	-0.268	-0.148	-0.182	-0.235	BORA
79867	-0.108	0.091	0.102	-0.120	TCTN2
79868	0.000	-0.112	0.034	-0.166	ALG13
79869	-0.393	-1.779	-1.690	-0.482	CPSF7
79870	-0.010	0.014	-0.010	0.014	BAALC
79871	-0.011	0.507	1.002	-0.506	RPAP2
79872	0.020	-2.589	-2.538	-0.031	CBLL1
79873	-0.008	0.023	0.019	-0.004	NUDT18
79874	0.038	0.118	0.199	-0.010	RABEP2
79875	-0.341	0.003	-0.376	0.038	THSD4
79876	-0.179	0.351	0.352	-0.180	UBA5
79877	0.013	0.056	-0.003	0.072	DCAKD
79879	0.000	0.239	0.017	0.222	CCDC134
7988	-0.331	-0.683	-0.756	-0.258	ZNF212
79882	-0.353	0.411	0.203	-0.145	ZC3H14
79883	-0.001	0.358	1.049	-0.692	PODNL1
79884	-0.461	2.125	1.826	-0.162	MAP9
79885	0.000	0.269	0.000	0.269	HDAC11
79886	-0.333	0.942	0.606	0.003	CAAP1
79887	0.361	1.455	1.761	0.055	PLBD1
79888	0.117	-0.419	-0.415	0.113	LPCAT1
79890	-0.002	0.042	0.070	0.041	RIN3
79891	-0.001	0.238	0.521	-0.285	ZNF671
79892	0.360	-0.934	-0.558	-0.015	MCMBP
79893	0.086	-0.350	-0.392	0.128	GGNBP2
79894	0.008	-0.897	-0.991	0.101	ZNF672
79895	0.007	-0.007	0.000	0.000	ATP8B4
79896	0.001	0.183	0.016	0.168	THNSL1
79898	-0.063	0.102	-0.069	0.109	ZNF613
79899	0.000	0.059	0.206	-0.147	PRR5L

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
799	0.000	0.000	0.007	-0.007	CALCR
79901	-0.026	-0.690	-0.262	-0.455	CYBRD1
79902	-0.295	-0.268	-0.470	-0.094	NUP85
79903	-0.096	-0.753	-0.896	0.047	NAA60
79904	0.035	-0.019	0.000	0.017	FLJ11710
79905	0.000	0.313	0.053	0.260	TMC7
79906	-0.017	0.277	0.304	-0.044	MORN1
79908	0.000	0.000	0.000	0.000	BTNL8
7991	-0.467	3.399	3.185	-0.324	TUSC3
79912	0.027	-0.518	0.315	-0.806	PYROXD1
79913	-0.227	-0.325	-0.485	-0.066	ACTR5
79915	0.000	0.000	0.000	0.000	ATAD5
79917	0.000	0.000	0.051	-0.051	MAGIX
79918	-0.299	0.781	1.309	-0.827	SETD6
79919	-0.018	0.174	-0.018	0.174	C2orf54
79921	-0.283	0.773	0.272	0.218	TCEAL4
79922	0.087	0.099	0.060	0.126	MRM1
79923	0.001	-0.001	0.000	0.000	NANOG
79924	-0.059	0.024	0.203	-0.238	ADM2
79927	-0.025	-0.008	-0.033	0.000	FAM110D
79929	0.119	-0.111	0.078	-0.070	MAP6D1
7993	-0.024	0.193	0.221	-0.053	UBXN8
79930	0.000	0.000	0.000	0.000	DOK3
79931	1.943	-2.285	-0.179	-0.163	TNIP3
79932	-0.151	0.416	0.762	-0.497	KIAA0319L
79933	0.010	-0.010	0.000	0.000	SYNPO2L
79934	-0.008	0.014	0.202	-0.196	ADCK4
79935	0.081	-0.081	0.000	0.000	CNTD2
79939	-0.142	-0.310	-0.454	0.055	SLC35E1
7994	0.111	-1.374	-0.864	-0.399	KAT6A
79940	-0.018	-0.090	-0.011	-0.097	LINC00472
79943	0.051	-0.051	0.000	0.000	ZNF696
79944	-0.006	0.010	0.100	-0.095	L2HGDH
79946	0.007	-0.007	0.000	0.000	C10orf95
79947	-0.005	0.133	0.204	-0.076	DHDDS
79948	0.000	0.000	0.000	0.000	LPPR3
79949	0.283	1.434	2.022	-0.305	PLEKHS1
79953	0.000	0.007	0.064	-0.057	SYNDIG1
79954	0.101	0.070	0.033	0.138	NOL10
79955	0.000	0.000	0.000	0.000	PDZD7
79956	-1.026	2.042	2.165	-1.150	ERMP1
79957	-0.188	-0.055	0.390	-0.633	PAQR6
79958	0.000	0.000	0.001	-0.001	DENND1C
79959	0.177	-1.370	-1.307	0.114	CEP76
79960	-0.143	-1.132	-1.010	-0.265	PHF17

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
79961	-0.062	-0.127	0.863	-1.052	DENND2D
79962	-0.005	0.095	0.074	0.016	DNAJC22
79963	-0.005	-0.060	0.074	-0.139	ABCA11P
79966	-1.258	-1.688	-3.237	0.291	SCD5
79968	0.148	0.082	0.032	0.198	WDR76
79969	-0.027	0.187	0.138	0.022	ATAT1
79970	-0.026	-0.012	0.097	-0.135	ZNF767
79971	-0.282	1.292	1.022	-0.011	WLS
79973	-0.071	0.014	-0.068	0.012	ZNF442
79974	-0.088	0.011	-0.061	-0.016	CPED1
79977	-0.313	0.834	1.099	-0.578	GRHL2
79979	0.018	0.740	1.537	-0.779	TRMT2B
79980	0.566	-0.547	0.084	-0.065	DSN1
79981	0.057	0.007	0.010	0.054	FRMD1
79982	-0.662	0.676	0.909	-0.895	DNAJB14
79983	-0.001	0.263	0.082	0.180	POF1B
79986	-0.686	-0.120	-0.801	-0.004	ZNF702P
79987	-0.156	0.095	-0.168	0.106	SVEP1
79989	-0.120	0.132	0.003	0.010	TTC26
79990	0.023	-0.023	0.000	0.000	PLEKHH3
79991	0.363	1.209	1.493	0.078	OBFC1
79998	0.000	0.090	0.006	0.085	ANKRD53
79999	0.000	0.000	0.000	0.000	LOC79999
800	0.362	0.724	0.578	0.548	CALD1
8000	0.005	5.006	2.677	2.334	PSCA
80000	-0.143	0.012	-0.099	-0.032	GREB1L
80003	0.000	0.032	0.006	0.000	PCNXL2
80004	-0.613	1.549	0.959	-0.023	ESRP2
80005	-0.003	0.005	0.058	-0.056	DOCK5
80006	-0.356	1.514	1.143	0.015	C5orf44
80007	-0.340	0.285	-0.193	0.137	C10orf88
80008	-0.001	0.000	-0.001	0.000	TMEM156
8001	0.000	0.010	0.001	0.026	GLRA3
80010	-0.653	1.026	0.712	-0.339	RMI1
80011	0.140	0.741	0.636	0.245	FAM192A
80012	0.015	0.043	0.048	0.010	PHC3
80013	-0.840	1.434	0.278	0.316	FAM188A
80014	-0.229	-0.694	-0.293	-0.630	WWC2
80017	-0.008	1.433	1.765	-0.339	C14orf159
80019	-0.062	0.749	0.620	0.068	UBTD1
80020	0.004	0.290	0.245	0.049	FOXRED2
80021	-0.104	0.241	-0.058	0.194	TMEM62
80022	-0.035	0.000	-0.035	0.000	MYO15B
80023	-0.012	0.384	0.297	0.075	NRSN2
80024	-0.265	-0.027	-0.853	0.561	SLC24A6

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
80025	-0.069	-0.410	-0.340	-0.139	PANK2
80028	-0.008	0.000	-0.002	-0.006	FBXL18
80031	-0.151	0.024	-0.159	0.032	SEMA6D
80032	-0.006	-0.011	-0.017	0.000	ZNF556
80034	-0.001	0.001	0.199	-0.199	CSRNP3
80035	-0.009	0.000	0.008	-0.017	ANP32A-IT1
80036	-0.008	0.000	0.004	-0.004	TRPM3
80039	0.000	0.027	0.021	0.007	FAM106A
80045	0.046	0.291	0.001	0.336	GPR157
80052	0.000	0.000	0.000	0.000	RPS2P45
80054	-0.227	0.322	0.125	-0.030	CEBPA-AS1
80055	0.156	-0.207	-0.231	0.180	PGAP1
80059	0.002	-0.002	0.000	0.000	LRRTM4
80060	-0.006	0.021	0.190	-0.176	GNL3LP1
80063	0.122	-0.237	-0.075	-0.040	ATF7IP2
80067	-0.034	0.158	-0.044	0.168	DCAF17
80069	0.000	0.000	0.000	0.000	LINC00574
80070	0.009	0.013	0.020	0.001	ADAMTS20
80071	0.157	0.019	0.262	-0.086	CCDC15
80072	-0.002	0.026	-0.002	0.026	HEXA-AS1
80086	0.157	0.129	0.020	0.267	TUBA4B
80094	-0.067	-0.039	-0.015	-0.091	FLJ14107
80095	-0.025	0.890	0.428	0.436	ZNF606
80097	-0.057	0.508	0.349	0.102	MZT2B
80099	0.000	0.186	0.021	0.166	C7orf69
801	0.436	-0.602	0.234	-0.351	CALM1
80108	-0.029	0.044	-0.029	0.044	ZFP2
80110	0.340	-0.902	-0.546	-0.016	ZNF614
80111	-0.011	0.015	-0.009	0.013	C3orf36
80114	0.594	0.681	1.267	0.007	BICC1
80115	0.000	0.003	0.001	0.002	BAIAP2L2
80117	-0.488	0.086	-0.623	0.220	ARL14
80122	-0.021	0.000	0.193	-0.215	YSK4
80124	-0.406	-0.789	-1.434	0.240	VCPIP1
80125	-0.114	-0.009	-0.123	0.000	CCDC33
80127	-0.610	0.577	-0.117	0.084	C14orf45
80128	-0.028	0.053	0.005	0.021	TRIM46
80129	0.020	-0.031	-0.009	-0.001	CCDC170
8013	0.414	-3.784	-3.181	0.000	NR4A3
80131	0.080	-1.555	-1.138	-0.337	LRRC8E
80133	0.001	0.286	0.059	0.228	C1orf129
80135	-0.157	-0.400	-0.520	-0.037	RPF1
80142	-0.126	0.679	0.380	0.174	PTGES2
80143	0.000	0.000	0.044	-0.044	SIKE1
80144	0.000	0.000	0.103	-0.103	FRAS1

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
80145	-0.321	1.184	0.802	0.062	THOC7
80146	0.552	-0.248	0.834	-0.530	UXS1
80148	0.107	-0.176	-0.231	0.162	PQLC1
80149	0.384	-2.006	-1.715	0.093	ZC3H12A
80150	0.492	-1.000	0.210	-0.718	ASRGL1
80152	-0.089	-0.297	-0.361	-0.025	CENPT
80153	-0.321	-1.467	-2.017	0.229	EDC3
80155	-0.035	-1.497	-1.088	-0.444	NAA15
80157	-0.076	0.768	1.002	-0.310	CWH43
80161	0.000	0.076	0.000	0.076	ASMTL-AS1
80162	-0.371	-0.932	-1.118	-0.185	ATHL1
80164	0.000	0.000	0.000	0.000	FLJ22184
80167	-0.022	0.102	0.046	0.034	C4orf29
80168	-0.058	-0.075	-0.107	-0.025	MOGAT2
80169	-0.353	-0.282	-0.613	-0.022	CTC1
80173	-0.484	0.852	0.848	-0.480	IFT74
80174	0.000	0.000	0.000	0.000	DBF4B
80176	0.114	-1.801	-1.629	-0.058	SPSB1
80177	0.065	-0.479	-0.445	0.031	MYCT1
80178	0.000	0.000	0.000	0.000	C16orf59
80179	-0.109	-0.186	-0.352	0.057	MYO19
80183	0.536	-1.529	-0.165	-0.829	KIAA0226L
80184	-0.216	0.562	0.735	-0.390	CEP290
80185	-0.126	-1.099	-0.740	-0.485	TTI2
8019	-0.414	1.290	1.003	-0.127	BRD3
80194	-0.612	2.720	1.528	0.580	TMEM134
80195	-0.080	2.226	1.276	0.870	C10orf57
80196	0.287	-0.838	-0.109	-0.442	RNF34
80198	0.063	-0.726	-0.712	0.050	MUS81
80199	-0.026	0.397	0.707	-0.336	FUZ
80201	-0.004	0.078	-0.004	0.078	HKDC1
80204	0.069	-0.590	-0.350	0.096	FBXO11
80205	-0.027	1.326	1.346	-0.124	CHD9
80206	-0.103	0.780	0.408	0.268	FHOD3
80207	-0.196	-0.155	-0.312	-0.039	OPA3
80208	-0.442	1.619	1.797	-0.620	SPG11
80209	-0.337	-0.519	-0.664	-0.193	PROSER1
8021	-0.136	0.117	-0.098	0.079	NUP214
80210	0.010	0.317	0.386	0.014	ARMC9
80212	0.017	0.434	0.470	-0.019	CCDC92
80213	0.135	0.180	0.284	0.031	TM2D3
80215	0.000	1.126	1.307	-0.181	RUNX1-IT1
80216	-0.016	0.025	0.102	-0.094	ALPK1
80217	0.000	0.000	0.003	-0.003	WDR96
80218	-0.057	-0.952	-0.953	-0.056	NAA50

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
80219	0.459	-2.595	-2.212	0.075	COQ10B
8022	0.001	-0.001	0.000	0.000	LHX3
80221	-0.710	2.523	2.072	-0.259	ACSF2
80222	-0.184	0.397	-0.181	0.394	TARS2
80223	-0.347	-2.857	-2.855	-0.348	RAB11FIP1
80224	-0.113	1.024	0.558	0.353	NUBPL
80227	-1.124	1.602	1.591	-1.113	PAAF1
80228	0.022	0.595	0.007	0.400	ORAI2
80230	-0.010	0.113	0.339	-0.236	RUFY1
80231	0.038	0.374	0.141	0.271	CXorf21
80232	-0.144	-0.689	-0.959	0.127	WDR26
80233	-0.084	0.000	-0.084	0.000	C17orf70
80235	-0.045	0.137	-0.040	0.132	PIGZ
80243	0.319	-0.311	-0.010	0.018	PREX2
80254	-0.216	-0.156	-0.025	-0.348	CEP63
80255	-0.014	-0.092	-0.132	0.025	SLC35F5
80256	0.163	0.998	0.511	0.650	FAM214B
80258	-0.033	0.094	-0.024	0.085	EFHC2
80262	0.148	-0.120	-0.001	0.029	C16orf70
80263	0.000	0.512	0.031	0.482	TRIM45
80264	-0.130	-1.653	-1.443	-0.341	ZNF430
80267	0.161	-0.265	0.262	-0.366	EDEM3
8027	0.116	-1.346	-0.987	-0.243	STAM
80271	0.281	-2.639	-2.508	0.150	ITPKC
80273	0.330	-2.833	-2.411	-0.091	GRPEL1
80279	-0.969	1.323	0.436	-0.082	CDK5RAP3
8028	-0.106	0.014	0.000	-0.034	MLLT10
8029	0.051	0.011	0.086	-0.024	CUBN
8030	0.085	-1.912	-1.812	-0.015	CCDC6
80301	1.246	-3.207	-2.263	0.302	PLEKHO2
80303	-0.825	-1.282	-3.183	1.076	EFHD1
80304	-0.046	0.030	-0.043	0.027	C2orf44
80305	0.212	-1.582	-1.321	-0.049	TRABD
80306	0.263	-1.689	-1.331	-0.095	MED28
80307	-0.010	0.133	-0.010	0.133	FER1L4
80308	-0.389	0.397	-0.056	0.064	FLAD1
8031	-0.115	-0.048	-0.140	-0.023	NCOA4
80310	0.424	-0.297	0.181	-0.053	PDGFD
80316	0.000	0.007	0.000	0.007	PPP1R2P9
80317	-0.002	0.017	0.249	-0.234	ZKSCAN3
80319	-0.003	0.293	0.524	-0.235	CXXC4
80321	-0.126	0.288	0.210	-0.049	CEP70
80323	-0.246	2.834	2.997	-0.410	CCDC68
80324	-0.268	-0.576	-1.075	0.232	PUS1
80328	0.515	1.038	1.049	0.504	ULBP2

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
80329	0.015	-0.015	0.000	0.000	ULBP1
80335	0.083	-0.907	-0.718	-0.106	WDR82
80339	-0.404	-0.213	-0.471	-0.146	PNPLA3
8034	-0.091	0.284	-0.077	-0.192	SLC25A16
80342	0.003	0.357	0.023	0.344	TRAF3IP3
80344	-0.066	-0.009	-0.227	0.151	DCAF11
80345	-0.252	0.487	0.704	-0.469	ZSCAN16
80346	0.011	0.230	0.530	-0.289	REEP4
80347	-0.616	0.524	-0.437	0.345	COASY
80349	-0.422	1.635	1.010	0.203	WDR61
80350	0.000	0.000	0.000	0.000	LPAL2
80351	-0.031	-0.442	0.019	-0.492	TNKS2
80352	-0.479	-1.586	-1.555	-0.510	RNF39
8036	0.322	-0.963	-0.643	0.002	SHOC2
8038	0.091	0.775	0.754	0.054	ADAM12
80380	0.001	0.011	0.025	-0.014	PDCD1LG2
8045	-0.006	0.748	0.315	0.427	RASSF7
8048	0.033	-0.015	0.078	-0.060	CSRP3
805	-0.127	0.756	0.467	0.161	CALM2
8050	-0.366	0.321	0.250	-0.295	PDHX
8061	0.202	-5.309	-5.154	0.047	FOSL1
8065	-0.027	0.422	0.448	-0.121	CUL5
80700	-0.134	-0.041	-0.484	0.308	UBXN6
80704	-0.149	0.005	-0.127	-0.017	SLC19A3
80705	-0.009	-0.003	0.034	-0.046	TSGA10
80723	-0.024	-0.952	-1.133	0.157	SLC35G2
80724	0.000	0.116	0.163	-0.047	ACAD10
8073	0.001	-0.719	-0.337	-0.304	PTP4A2
80736	-1.890	-1.314	-3.201	-0.003	SLC44A4
80737	0.000	0.464	0.002	0.463	VWA7
80739	0.001	-0.001	0.000	0.000	C6orf25
8074	0.009	-0.009	0.000	0.000	FGF23
80740	0.005	0.635	0.004	0.636	LY6G6C
80741	0.001	0.429	0.161	0.269	LY6G5C
80742	-0.013	0.446	-0.014	0.447	PRR3
80745	0.300	-0.314	-0.344	0.330	THUMPD2
80746	-0.177	0.211	0.369	-0.335	TSEN2
80757	-0.003	0.110	0.010	0.097	TMEM121
80758	-0.070	-0.017	-0.011	-0.076	PRR7
8076	0.252	-0.182	-0.667	0.000	MFAP5
80760	0.540	-0.809	-0.259	-0.009	ITIH5
80761	-0.015	0.000	0.062	-0.077	UPK3B
80762	-0.184	1.076	1.303	-0.411	NDFIP1
80763	0.000	0.000	0.000	0.000	C12orf39
80764	0.330	-0.315	-0.322	0.337	THAP7

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
80765	0.038	0.100	0.037	0.101	STARD5
80772	-0.086	0.006	0.083	-0.164	GLTPD1
80774	0.002	0.065	0.000	0.067	LIMD2
80775	0.026	0.387	0.248	0.165	TMEM177
80776	0.291	-0.971	-0.714	0.034	B9D2
80777	-0.336	-0.546	-0.551	-0.331	CYB5B
80778	-1.102	-0.066	-1.167	0.000	ZNF34
8078	0.028	0.809	0.701	0.136	USP5
80781	0.891	0.763	1.118	0.536	COL18A1
80789	-0.079	-0.047	-0.087	-0.039	INTS5
8079	-0.002	0.442	0.166	0.273	MLF2
808	-0.031	1.020	0.913	0.076	CALM3
8082	-0.032	2.014	2.087	-0.105	SSPN
80823	0.013	0.210	0.026	0.196	BHLHB9
80830	0.502	-1.840	-1.406	0.068	APOL6
80831	0.000	0.000	0.008	-0.008	APOL5
80833	-0.050	-1.263	-1.110	-0.202	APOL3
8085	0.000	0.000	0.004	-0.021	MLL2
80852	0.000	0.190	0.049	0.141	GRIP2
80853	0.195	-2.125	-1.532	-0.397	JHDM1D
8086	-0.018	0.403	0.725	-0.340	AAAS
80868	0.008	0.077	0.027	0.058	HCG4B
8087	0.269	-1.082	-0.692	0.009	FXR1
8089	-0.088	0.636	0.691	-0.143	YEATS4
80895	0.174	-0.745	-0.430	-0.142	ILKAP
80896	0.006	-0.006	0.076	-0.076	NPL
8091	-0.927	3.036	2.290	-0.181	HMGA2
8092	0.000	0.075	0.006	0.069	ALX1
80975	0.000	0.115	0.003	0.112	TMPRSS5
8099	-0.321	2.485	2.064	0.099	CDK2AP1
81	0.032	0.597	0.309	0.320	ACTN4
810	-0.015	2.578	2.102	0.461	CALML3
8100	-0.919	1.273	0.439	-0.086	IFT88
81025	0.028	-0.012	0.113	-0.098	GJA9
81027	0.000	0.011	0.014	-0.003	TUBB1
81029	-0.062	3.431	2.554	0.814	WNT5B
81030	0.272	0.242	-0.001	0.515	ZBP1
81031	-0.149	3.160	3.269	-0.258	SLC2A10
81033	0.000	0.040	0.013	0.003	KCNH6
81034	0.342	-2.584	-2.018	-0.223	SLC25A32
81035	1.116	-1.798	-0.655	-0.027	COLEC12
8106	-0.324	0.005	-0.539	0.133	PABPN1
811	0.064	0.362	0.755	-0.160	CALR
8110	0.013	0.025	0.000	0.038	DPF3
8111	-0.012	0.149	-0.012	0.148	GPR68

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
8115	0.004	-0.004	0.000	0.000	TCL1A
8120	0.000	0.473	0.096	0.377	AP3B2
8123	0.000	0.169	0.245	-0.076	PAR5
8125	0.447	0.376	1.041	-0.282	ANP32A
8128	0.000	0.000	0.053	-0.053	ST8SIA2
81285	0.000	0.002	0.000	0.002	OR51E2
813	0.534	-0.442	0.008	0.105	CALU
8131	-0.117	0.138	0.108	-0.043	NPRL3
8139	0.218	-0.566	-0.314	-0.034	GAN
814	-0.149	0.188	-0.134	0.173	CAMK4
8140	-0.012	-2.160	-2.420	0.248	SLC7A5
8148	0.421	-1.294	-0.726	-0.148	TAF15
81490	-0.105	0.079	-0.032	0.005	PTDSS2
81491	0.037	-0.036	0.007	-0.006	GPR63
81492	0.000	0.008	0.032	-0.024	RSPH6A
81493	-0.140	0.682	0.888	-0.345	SYNC
81494	0.000	0.104	0.000	0.104	CFHR5
815	0.000	0.000	0.029	-0.029	CAMK2A
81501	0.000	0.126	0.000	0.126	DCSTAMP
8153	-0.002	0.298	0.006	0.291	RND2
81533	-0.839	3.650	2.914	-0.102	ITFG1
81537	-0.219	-2.410	-2.103	-0.526	SGPP1
81539	-0.204	-0.829	-0.291	-0.741	SLC38A1
81542	0.026	-0.003	0.262	-0.239	TMX1
81543	0.000	0.000	0.000	0.000	LRRC3
81544	0.072	1.223	1.351	-0.055	GDPD5
81545	-0.143	0.020	0.025	-0.148	FBXO38
81550	-0.255	0.528	0.202	0.071	TDRD3
81551	0.019	0.077	0.000	0.096	STMN4
81552	-0.065	0.929	1.144	-0.281	VOPP1
81553	0.798	-1.354	-0.747	0.191	FAM49A
81554	0.038	0.066	0.130	-0.027	WBSCR16
81555	0.266	-0.881	-0.403	-0.212	YIPF5
81556	0.012	-0.394	-0.580	0.198	C15orf44
81558	0.154	-1.584	-1.212	-0.219	FAM117A
81562	-0.230	0.494	0.180	0.083	LMAN2L
81563	-0.026	-0.084	-0.130	0.019	C1orf21
81565	0.507	-1.359	-1.131	0.278	NDEL1
81566	0.203	-1.488	-1.026	-0.259	CSRNP2
81569	0.010	0.093	0.000	0.103	ACTL8
81570	0.250	-0.781	-0.218	-0.314	CLPB
81571	0.000	0.015	0.000	0.015	MIR600HG
81575	0.155	-5.256	-4.769	-0.333	APOLD1
81576	-0.242	-0.836	-1.265	0.186	CCDC130
81577	0.097	0.192	0.352	-0.063	GFOD2

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81578	-0.025	-0.007	-0.032	0.000	COL21A1
81579	-0.362	1.369	1.063	-0.056	PLA2G12A
816	-0.002	0.089	0.000	0.057	CAMK2B
81602	-0.050	-0.055	0.156	-0.261	CDADC1
81603	-0.132	0.572	0.772	-0.333	TRIM8
81605	-0.205	0.904	-0.064	0.763	URM1
81606	0.547	1.587	1.752	0.383	LBH
81608	-0.201	-0.705	-0.770	-0.136	FIP1L1
81609	-0.041	-0.059	0.593	-0.693	SNX27
8161	0.381	-1.578	-0.688	-0.509	COIL
81611	0.159	-1.099	-0.483	-0.457	ANP32E
81614	-0.065	-0.028	-0.156	0.063	NIPA2
81616	-0.005	0.021	-0.005	0.021	ACSBG2
81617	0.108	-0.060	1.132	-1.084	CAB39L
81618	-0.181	0.794	0.157	0.456	ITM2C
81619	0.020	-0.105	0.663	-0.747	TSPAN14
81620	0.002	0.011	0.000	0.013	CDT1
81621	0.160	-0.084	0.021	0.055	KAZALD1
81622	-0.068	0.211	0.103	0.040	UNC93B1
81623	0.085	-0.085	0.000	0.000	DEFB126
81624	0.000	0.000	0.000	0.000	DIAPH3
81626	0.200	-0.187	0.010	0.003	SHCBP1L
81627	-0.368	1.058	1.629	-0.939	TRMT1L
81628	-0.020	0.000	0.017	-0.037	TSC22D4
81631	0.174	-1.529	-1.240	-0.115	MAP1LC3B
8165	-0.344	0.627	0.521	-0.131	AKAP1
81669	-0.640	-0.012	-0.835	0.182	CCNL2
81688	-0.100	-0.428	-0.086	-0.272	C6orf62
81689	0.092	-0.747	-0.521	-0.134	ISCA1
81691	-0.019	0.035	-0.019	0.035	LOC81691
81693	0.007	0.057	-0.008	0.072	AMN
81697	-0.001	0.000	-0.001	0.000	OR2B2
81698	-0.231	0.232	0.199	-0.198	LINC00597
8170	0.000	0.564	0.012	0.552	SLC14A2
8174	0.114	-0.129	0.005	-0.020	MADCAM1
8175	0.205	-1.197	-0.766	-0.225	SF3A2
8178	0.745	-1.366	-0.548	-0.073	ELL
81789	-0.014	-0.023	0.201	-0.238	TIGD6
81790	-0.544	2.774	2.715	-0.484	RNF170
81792	-0.015	0.008	-0.018	0.010	ADAMTS12
81796	0.007	-0.031	0.121	-0.146	SLCO5A1
81797	0.006	-0.006	0.023	-0.023	OR12D3
818	-0.140	0.422	0.572	0.357	CAMK2G
81831	-0.141	0.968	0.767	0.060	NETO2
81833	0.018	0.236	0.136	0.118	SPACA1

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81839	-0.327	1.775	1.147	0.301	VANGL1
81847	0.143	-1.522	-0.539	-0.840	RNF146
81848	0.068	0.363	0.695	-0.265	SPRY4
81849	1.068	0.199	1.127	0.141	ST6GALNAC5
81850	0.000	0.065	0.000	0.065	KRTAP1-3
81851	-0.011	0.303	-0.015	0.308	KRTAP1-1
81853	-0.336	0.831	0.364	0.131	TMEM14B
81854	0.004	-0.005	0.152	-0.153	MGC3771
81855	-0.098	2.466	2.420	-0.053	SFXN3
81856	-0.331	-0.221	-0.445	-0.107	ZNF611
81857	0.048	-0.105	-0.057	0.000	MED25
81858	-0.114	0.931	0.602	0.215	SHARPIN
8187	-0.219	-0.338	-0.610	0.054	ZNF239
81870	-0.074	-0.002	-0.076	0.000	KRTAP9-9
81873	-0.013	-0.135	-0.300	0.153	ARPC5L
81875	0.229	-1.346	-0.884	-0.138	ISG20L2
81876	-0.397	1.055	0.517	0.141	RAB1B
81887	-0.087	-0.540	-0.774	0.147	LAS1L
81888	0.144	-0.069	0.133	-0.058	HYI
8189	-0.132	0.097	-0.151	0.117	SYMPK
81890	-0.042	-0.171	-0.350	0.137	QTRT1
81892	-0.151	0.605	0.230	0.224	SLIRP
81894	0.397	-1.235	-0.898	0.060	SLC25A28
819	0.134	-0.479	-0.264	-0.081	CAMLG
8190	0.045	5.078	5.269	-0.146	MIA
8192	0.028	-0.196	-0.396	0.227	CLPP
81926	0.018	0.894	0.484	0.427	FAM108A1
81929	0.065	-0.764	-0.599	-0.100	SEH1L
8193	-0.032	-0.057	-0.102	0.013	DPF1
81930	-0.146	-0.041	-0.261	0.074	KIF18A
81931	0.092	-0.366	-0.288	0.014	ZNF93
81932	-0.009	-0.453	-0.526	0.064	HDHD3
8195	-0.642	1.369	1.339	-0.612	MKKS
820	0.000	0.125	0.000	0.125	CAMP
8200	-0.113	-0.204	-0.306	-0.011	GDF5
8202	0.131	-0.906	-0.448	-0.456	NCOA3
8204	-0.115	-0.879	-0.870	-0.124	NRIP1
8208	0.042	-0.025	0.004	0.013	CHAF1B
8209	-0.178	1.136	0.823	0.136	C21orf33
821	-0.162	-0.735	-0.648	-0.186	CANX
8216	-0.045	0.254	0.319	-0.110	LZTR1
8218	0.000	0.000	0.000	0.000	CLTCL1
822	-0.594	1.691	0.895	0.203	CAPG
8220	0.017	-0.311	-0.138	-0.057	DGCR14
8224	0.004	-0.004	0.000	0.000	SYN3

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
8225	-0.103	-0.458	-0.594	0.033	GTPBP6
8226	-0.537	0.893	1.522	-1.166	HDHD1
8227	-0.044	-2.349	-2.425	0.032	AKAP17A
8228	-0.529	1.251	0.300	0.422	PNPLA4
823	-0.385	1.706	1.148	0.173	CAPN1
8233	-0.082	-0.512	0.095	-0.690	ZRSR2
8237	0.204	-0.378	-0.039	-0.134	USP11
8239	-0.488	0.546	0.332	-0.274	USP9X
824	-0.290	0.059	-0.042	-0.188	CAPN2
8241	-0.167	-1.755	-1.548	-0.573	RBM10
8242	0.126	-0.786	-1.061	0.400	KDM5C
8243	-0.136	0.174	0.396	-0.358	SMC1A
825	0.000	0.000	-0.019	0.000	CAPN3
826	-0.220	0.847	0.592	0.035	CAPNS1
8260	0.297	0.331	0.376	0.253	NAA10
8266	-0.277	1.163	1.150	-0.264	UBL4A
8269	-0.015	1.222	1.343	-0.136	TMEM187
827	0.007	0.063	-0.003	0.070	CAPN6
8270	0.085	0.289	0.269	0.106	LAGE3
8273	0.079	0.503	0.141	0.442	SLC10A3
8277	0.056	-0.061	-0.007	0.002	TKTL1
8284	0.000	0.000	0.000	0.000	KDM5D
8287	0.000	0.038	0.000	0.038	USP9Y
8288	0.000	0.139	0.001	0.138	EPX
8289	-0.390	0.867	0.255	-0.018	ARID1A
829	0.021	1.129	0.691	0.460	CAPZA1
8290	0.000	0.000	0.000	0.000	HIST3H3
8291	-0.117	1.415	0.465	0.833	DYSF
8292	0.000	0.000	0.006	-0.006	COLQ
8294	0.264	-0.275	-0.011	0.000	HIST1H4I
8295	-0.441	0.400	0.230	-0.272	TRRAP
830	0.088	-0.452	-0.402	0.038	CAPZA2
8301	0.053	0.264	0.264	0.018	PICALM
8302	0.026	0.026	0.045	0.007	KLRC4
8303	0.002	-0.418	-0.711	0.296	SNN
8309	0.001	0.013	0.001	0.013	ACOX2
831	0.187	1.426	1.764	0.003	CAST
8310	-0.704	0.567	-0.241	0.104	ACOX3
8312	0.082	-0.163	-0.113	0.032	AXIN1
8314	-0.272	-0.084	-0.464	0.108	BAP1
8315	0.054	-1.278	-0.511	-0.584	BRAP
8317	0.000	0.044	0.167	-0.122	CDC7
8318	0.000	0.011	0.033	-0.021	CDC45
832	0.107	0.472	0.444	0.135	CAPZB
8321	0.029	1.686	2.449	-0.734	FZD1

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8322	0.328	-0.715	-0.509	0.121	FZD4
8323	-0.259	1.043	0.662	0.123	FZD6
8324	0.581	1.437	2.256	-0.238	FZD7
8325	0.251	-0.345	-0.095	0.000	FZD8
83259	0.002	0.084	-0.011	0.096	PCDH11Y
8326	0.001	-0.002	0.017	-0.019	FZD9
8328	0.000	0.000	0.000	0.000	GFI1B
8329	-0.184	0.818	0.168	0.466	HIST1H2AI
833	-0.211	-1.006	-1.214	-0.003	CARS
8330	-0.195	0.135	-0.218	0.158	HIST1H2AK
8331	-0.075	0.653	0.145	0.433	HIST1H2AJ
8332	0.000	0.344	0.032	0.311	HIST1H2AL
8334	-0.637	0.862	0.635	-0.409	HIST1H2AC
8335	0.000	0.111	0.038	0.073	HIST1H2AB
8336	-0.272	-0.011	-0.283	0.000	HIST1H2AM
8337	-0.292	-0.028	-0.286	-0.033	HIST2H2AA3
8339	-0.955	-2.473	-3.604	0.175	HIST1H2BG
83394	0.000	0.005	0.000	0.005	PITPNM3
834	0.759	0.771	1.323	0.325	CASP1
8340	0.000	0.002	0.000	0.002	HIST1H2BL
8341	-0.037	-0.012	-0.176	0.127	HIST1H2BN
8342	0.004	-0.014	0.026	-0.036	HIST1H2BM
8343	-0.670	-0.734	-1.709	0.305	HIST1H2BF
83439	0.530	-1.469	-0.999	0.060	TCF7L1
8344	-0.590	-0.042	-1.263	0.631	HIST1H2BE
83440	-0.243	0.051	-0.318	0.127	ADPGK
83442	0.277	0.565	0.546	0.295	SH3BGRL3
83443	-0.075	-0.185	-0.706	0.446	SF3B5
83444	0.090	-0.489	-0.304	0.010	INO80B
83445	0.000	0.000	0.000	0.000	GSG1
83446	0.000	0.000	0.045	-0.045	CCDC70
83447	0.000	0.000	0.001	-0.001	SLC25A31
83448	-0.369	0.377	-0.032	0.041	PUS7L
83449	0.000	0.249	0.143	0.106	PMFBP1
8345	-1.035	-0.795	-1.806	-0.024	HIST1H2BH
83450	-0.075	0.143	-0.041	0.109	LRRC48
83451	-0.420	0.417	0.409	-0.413	ABHD11
83452	0.631	-0.771	0.027	-0.166	RAB33B
8346	-0.702	-0.689	-1.349	-0.043	HIST1H2BI
83460	0.209	-0.193	0.073	-0.056	EMC6
83461	0.117	0.127	0.367	-0.123	CDCA3
83463	-0.016	0.214	0.096	0.103	MXD3
83464	-0.690	0.474	-0.384	0.167	APH1B
83468	0.418	2.312	2.072	0.658	GLT8D2
8347	-0.603	-0.453	-1.198	0.142	HIST1H2BC

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
83475	0.000	0.000	0.000	0.021	DOHH
83478	-0.140	-0.110	-0.244	-0.007	ARHGAP24
8348	-0.049	-0.004	-0.053	0.000	HIST1H2BO
83480	-0.065	-1.192	-0.914	-0.343	PUS3
83481	-0.444	0.000	-0.464	0.021	EPPK1
83482	0.022	-0.024	-0.001	0.000	SCRT1
83483	1.126	-3.342	-2.257	0.041	PLVAP
8349	-0.397	-1.499	-1.746	-0.150	HIST2H2BE
835	-0.010	-0.003	-0.017	0.000	CASP2
8350	0.017	-0.023	-0.006	0.000	HIST1H3A
8352	0.000	0.085	0.005	0.080	HIST1H3C
8353	0.198	-0.199	-0.001	0.000	HIST1H3E
8354	-0.001	0.009	-0.001	0.009	HIST1H3I
8355	0.000	0.000	0.000	0.000	HIST1H3G
8356	-0.007	0.055	-0.007	0.055	HIST1H3J
8357	0.125	-0.142	-0.025	0.008	HIST1H3H
8358	-0.158	0.223	-0.203	0.267	HIST1H3B
8359	-0.295	-0.026	-0.321	0.000	HIST1H4A
836	0.376	-0.395	-0.148	0.129	CASP3
8360	-0.026	-0.008	-0.035	0.000	HIST1H4D
83604	0.644	-0.765	0.287	-0.407	TMEM47
8361	0.071	-0.074	-0.004	0.000	HIST1H4F
83637	-0.189	0.362	-0.186	0.079	ZMIZ2
83638	0.337	-1.503	-1.224	0.058	C11orf68
8364	0.151	-0.047	0.293	-0.189	HIST1H4C
8365	-0.826	-0.143	-1.102	0.133	HIST1H4H
83658	-0.134	0.500	0.299	0.067	DYNLRB1
8366	-0.002	0.204	-0.002	0.204	HIST1H4B
83660	-0.003	0.292	0.103	0.186	TLN2
8367	-0.653	-0.063	-0.723	0.008	HIST1H4E
8368	0.010	-0.010	0.000	0.000	HIST1H4L
8369	0.000	0.000	0.000	0.000	HIST1H4G
83696	-0.003	0.230	0.074	-0.002	TRAPPC9
837	0.127	0.519	0.621	0.026	CASP4
83700	0.806	-3.385	-2.395	-0.185	JAM3
83714	0.000	0.037	0.000	0.037	NRIP2
83716	1.373	-5.008	-3.698	0.064	CRISPLD2
8372	0.000	0.339	0.147	0.191	HYAL3
83729	0.000	0.000	0.008	-0.008	INHBE
83734	0.000	0.002	0.000	0.002	ATG10
83737	-0.125	-2.031	-1.066	-0.846	ITCH
83743	0.494	-0.955	-0.507	0.046	GRWD1
83744	-0.195	0.195	-0.195	0.195	ZNF484
83759	0.425	-0.704	-0.140	-0.139	RBM4B
83786	0.000	0.062	0.000	0.062	FRMD8

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
8379	-0.169	0.107	0.056	-0.118	MAD1L1
838	0.002	0.014	0.046	-0.031	CASP5
8382	-0.031	0.688	1.152	-0.495	NME5
8383	0.033	-0.033	0.000	0.000	OR1A1
8387	-0.007	-0.003	-0.010	0.000	OR1E1
839	-0.067	1.495	1.552	-0.124	CASP6
8390	-0.002	0.000	-0.002	0.000	OR1G1
8392	0.108	-0.066	0.002	0.040	OR3A3
83937	0.020	0.021	0.068	-0.027	RASSF4
8394	0.275	-3.149	-2.984	-0.154	PIP5K1A
83941	0.035	0.427	0.954	-0.257	TM2D1
83942	0.022	-0.022	0.000	0.000	TSSK1B
8395	0.018	0.072	0.233	-0.144	PIP5K1B
83955	0.013	-0.007	-0.038	0.044	NACAP1
8396	-0.025	0.594	0.597	-0.028	PIP4K2B
8398	-0.001	0.000	-0.001	-0.046	PLA2G6
83988	2.223	-0.450	2.531	-0.758	NCALD
83989	-0.164	1.293	1.678	-0.549	FAM172A
8399	0.000	0.003	0.126	-0.123	PLA2G10
83990	0.046	0.095	-0.009	0.151	BRIP1
840	-0.339	-1.454	-1.617	-0.176	CASP7
8402	-0.176	0.866	0.315	0.374	SLC25A11
8403	0.015	0.059	0.108	-0.034	SOX14
84033	0.059	-0.076	-0.022	0.004	OBSCN
84034	0.000	0.104	0.099	0.005	EMILIN2
8404	1.438	-7.368	-5.933	0.003	SPARCL1
8405	0.117	-0.862	-0.524	-0.222	SPOP
84059	-0.005	0.000	-0.002	-0.004	GPR98
8406	2.063	-2.406	-0.132	-0.211	SRPX
84060	0.053	-1.795	-1.536	-0.065	RBM48
84061	0.460	-1.184	0.198	-0.922	MAGT1
84065	-0.108	0.017	-0.240	0.149	TMEM222
8407	0.073	-0.377	-0.348	0.044	TAGLN2
84079	-0.461	-0.332	-0.679	-0.114	ANKRD27
8408	-0.042	-0.393	-0.206	-0.228	ULK1
8409	0.216	-0.065	0.051	0.100	UXT
84099	0.040	-0.040	0.000	0.000	ID2B
841	-0.161	-0.472	-0.143	-0.490	CASP8
84107	-0.010	0.140	0.044	0.086	ZIC4
8411	0.113	-0.390	0.032	-0.310	EEA1
8412	-0.774	-0.362	-1.245	0.109	BCAR3
84124	0.598	-3.535	-2.695	-0.243	ZNF394
84148	0.488	-1.103	-0.497	-0.117	KAT8
84159	0.602	-2.654	-2.048	-0.004	ARID5B
8416	0.006	0.003	0.034	-0.025	ANXA9

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
84162	-0.173	0.523	0.426	-0.158	KIAA1109
84164	-0.314	0.059	-0.022	-0.233	ASCC2
84168	-0.010	0.444	0.817	-0.383	ANTXR1
8417	0.071	0.978	1.702	-0.295	STX7
84172	-0.102	0.029	-0.120	0.047	POLR1B
84179	0.000	0.116	0.116	0.000	MFSD7
8418	0.541	0.281	0.680	0.142	CMAHP
84187	-0.174	0.325	0.453	-0.302	TMEM164
8419	0.000	0.107	0.000	0.107	BFSP2
84193	-0.108	0.125	-0.072	0.089	SETD3
84196	-0.179	1.075	0.897	-0.001	USP48
842	0.168	-0.245	-0.145	0.069	CASP9
8420	-0.508	-0.012	-0.402	-0.118	SNHG3
84223	1.269	-5.561	-3.389	-0.903	IQCG
8424	0.970	1.602	1.854	0.718	BBOX1
84243	-0.454	-0.284	-0.712	-0.026	ZDHHC18
8425	0.334	-0.594	-0.134	-0.134	LTBP4
84253	-0.005	0.000	-0.005	0.000	GARNL3
84263	-0.150	0.471	0.071	0.158	HSDL2
84268	0.036	0.129	0.052	0.113	RPAIN
8427	-0.184	-0.669	-0.541	-0.313	ZNF282
84271	0.096	-0.818	-0.676	-0.045	POLDIP3
84272	0.057	0.295	0.555	-0.204	YIPF4
8428	0.055	0.198	0.489	-0.143	STK24
84288	-0.246	0.269	0.372	-0.349	EFCAB2
84296	-0.033	0.334	0.654	-0.353	GINS4
84298	-0.023	0.159	0.032	0.103	LLPH
843	0.012	0.049	-0.004	0.064	CASP10
84302	0.040	-0.006	-0.001	0.036	TMEM246
8431	-0.027	0.253	-0.027	0.253	NR0B2
8433	0.000	0.013	0.000	0.013	UTF1
8434	0.022	0.031	-0.400	0.062	RECK
8435	0.060	-0.045	0.000	0.015	SOAT2
8436	-0.347	0.092	-0.353	0.099	SDPR
84364	-0.407	-0.756	-1.473	0.310	ARFGAP2
8437	-0.004	0.127	0.436	-0.313	RASAL1
8438	0.000	0.000	0.002	-0.002	RAD54L
8439	0.122	-0.743	-0.433	-0.188	NSMAF
844	0.000	0.000	0.000	0.000	CASQ1
8440	0.131	0.544	0.682	-0.007	NCK2
8443	-0.427	1.470	1.078	-0.034	GNPAT
84436	-0.075	-0.041	0.063	-0.179	ZNF528
8444	1.007	-3.318	-2.217	-0.093	DYRK3
84440	-0.033	0.056	0.043	-0.021	RAB11FIP4
84444	0.000	0.000	0.000	0.000	DOT1L

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
8445	0.153	0.254	0.146	0.069	DYRK2
8446	0.061	-0.358	-0.337	0.041	DUSP11
8447	0.008	0.096	0.004	0.100	DOC2B
8448	0.003	0.237	0.001	0.239	DOC2A
8449	-0.466	0.026	-0.250	-0.189	DHX16
845	-0.073	-0.272	-0.402	0.057	CASQ2
8450	-0.088	1.438	1.114	-0.008	CUL4B
8451	-0.133	-0.030	0.083	-0.246	CUL4A
84516	0.121	-0.907	-0.521	-0.265	DCTN5
8452	-0.046	-0.542	-0.584	0.080	CUL3
84525	0.170	2.265	3.397	-0.962	HOPX
8453	0.383	-0.102	0.353	-0.072	CUL2
8454	0.018	-0.635	-0.786	0.168	CUL1
84549	0.225	-1.838	-1.304	-0.309	MAK16
8455	0.395	1.221	2.044	-0.428	ATRN
8456	-0.077	0.000	-0.040	-0.037	FOXN1
84560	0.081	-0.081	0.008	-0.008	MT4
84561	0.143	-0.108	0.289	-0.254	SLC12A8
8458	-0.652	0.340	-0.344	0.032	TTF2
8459	-0.369	1.670	0.949	0.352	TPST2
846	0.080	-0.080	0.001	-0.001	CASR
8460	0.403	1.148	0.665	0.886	TPST1
84612	-0.052	-0.246	-0.292	-0.005	PARD6B
84617	0.537	-1.242	-1.048	0.343	TUBB6
84619	-0.405	-0.617	-0.462	-0.561	ZGPAT
8462	0.574	-1.898	-1.179	-0.145	KLF11
8464	0.121	-0.623	-0.597	0.095	SUPT3H
84656	0.030	-0.541	-0.491	0.298	GLYR1
84658	-0.003	0.000	-0.003	0.000	EMR3
84669	-0.040	-1.168	-0.843	-0.365	USP32
8467	-0.269	-0.388	-0.450	-0.020	SMARCA5
84679	0.001	0.006	0.118	-0.112	SLC9A7
8468	-0.042	0.000	-0.042	0.000	FKBP6
847	-0.338	2.612	1.583	0.135	CAT
8470	-0.600	2.551	1.835	0.116	SORBS2
84705	-0.238	0.350	0.183	-0.071	GTPBP3
8471	-0.052	0.000	-0.030	-0.022	IRS4
84719	0.181	0.164	0.305	0.039	LINC00260
84720	-0.103	0.416	0.084	0.101	PIGO
84722	-0.001	0.067	0.094	-0.027	PSRC1
84726	-0.072	0.050	0.008	-0.029	PRRC2B
8473	-0.259	-0.233	-0.857	0.026	OGT
84733	0.000	0.000	0.003	-0.003	CBX2
84747	-0.207	0.464	0.299	-0.042	UNC119B
84759	0.265	-1.535	-1.183	-0.086	PCGF1

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
8476	-0.023	0.321	0.601	-0.216	CDC42BPA
8477	0.161	-0.095	0.028	0.038	GPR65
84779	0.000	0.000	0.013	-0.013	NAA11
84786	0.000	0.305	0.920	-0.615	MGC12488
84789	0.000	0.061	0.008	0.053	MGC2889
8479	-0.068	-0.073	-0.087	-0.054	HIRIP3
84790	0.110	-0.523	-1.026	0.613	TUBA1C
84796	-0.174	0.030	-0.193	0.049	MGC13053
8480	0.012	-1.884	-1.716	-0.066	RAE1
84804	-0.539	0.151	-0.231	-0.158	MFSD9
84809	-0.563	1.072	-0.342	0.851	CROCCP2
8481	0.235	-0.854	-0.539	-0.079	OFD1
84818	0.122	0.037	0.299	-0.263	IL17RC
8482	0.000	0.076	0.062	0.014	SEMA7A
84820	0.019	0.104	0.349	-0.226	POLR2J4
84823	-0.312	-0.592	-0.589	-0.315	LMNB2
8483	0.125	-0.908	-0.804	0.021	CILP
84830	0.006	0.000	0.060	-0.054	ADTRP
8484	0.000	0.000	0.000	0.000	GALR3
84851	0.198	-0.314	0.322	-0.437	TRIM52
84859	0.458	-0.838	-0.015	-0.365	LRCH3
84861	0.000	0.041	0.006	-0.002	KLHL22
84864	-0.181	0.304	0.400	-0.277	MINA
84869	0.008	1.640	1.830	-0.182	CBR4
8487	-0.211	0.496	-0.143	0.347	GEMIN2
84890	0.013	0.364	0.439	-0.061	ADO
8490	-0.388	2.824	1.690	0.682	RGS5
84900	0.001	-0.001	0.298	-0.298	RNFT2
84901	-0.463	0.573	0.106	-0.179	NFATC2IP
84909	-0.142	1.089	0.818	0.129	C9orf3
8491	-0.078	-0.120	-0.123	-0.074	MAP4K3
84914	-0.080	-0.717	-0.281	-0.517	ZNF587
8492	0.014	1.853	2.357	-0.490	PRSS12
84928	-0.019	0.002	0.003	-0.020	TMEM209
8493	0.324	-3.084	-2.375	-0.385	PPM1D
84934	-0.393	0.103	-0.117	-0.174	C12orf52
84939	0.019	0.175	0.649	-0.455	MUM1
84942	-0.608	-0.399	-1.309	0.302	WDR73
8495	0.287	-0.331	0.089	-0.134	PPFIBP2
84951	-0.002	0.000	0.176	-0.178	TNS4
8496	0.040	0.212	0.665	-0.453	PPFIBP1
8497	0.009	0.084	0.260	-0.167	PPFIA4
84975	0.390	0.033	0.321	0.102	MFSD5
8498	-0.147	-0.339	-0.553	-0.040	RANBP3
84981	0.241	-2.971	-3.226	0.495	MIR22HG

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
84986	0.073	2.408	2.946	-0.464	ARHGAP19
8499	0.000	0.216	0.046	0.170	PPFIA2
84991	0.149	2.248	1.573	0.824	RBM17
8500	0.131	-1.117	-0.782	-0.152	PPFIA1
85002	-0.598	0.102	-0.413	-0.083	FAM86B1
8501	0.142	-0.202	-0.100	0.040	SLC43A1
8502	-0.190	0.526	0.445	-0.262	PKP4
85021	0.048	0.078	0.015	0.111	REPS1
8503	0.042	-0.428	-0.013	-0.372	PIK3R3
8504	-0.021	0.000	0.062	-0.083	PEX3
8505	0.052	0.519	0.502	0.069	PARG
8506	0.002	0.024	0.002	0.024	CNTNAP1
8507	0.321	4.590	4.948	-0.037	ENC1
8508	-0.130	2.367	2.111	0.127	NIPSNAP1
8509	-0.207	0.743	0.300	0.236	NDST2
8512	-0.007	-0.019	-0.026	0.000	MBL1P
8513	0.003	-0.003	0.000	0.000	LIPF
8514	0.053	-0.042	0.000	0.011	KCNAB2
8515	-0.647	-0.908	-1.478	-0.077	ITGA10
8516	-0.045	-0.021	-0.067	0.000	ITGA8
8517	-0.318	-0.194	-0.572	0.060	IKBKG
8518	-0.276	0.045	0.252	-0.482	IKBKAP
8519	-0.241	-0.261	-0.354	-0.148	IFITM1
8520	-0.098	-0.303	-0.418	0.016	HAT1
8521	-0.232	0.065	-0.232	0.065	GCM1
8522	0.000	0.491	0.726	-0.194	GAS7
85236	-0.579	-1.062	-1.957	0.316	HIST1H2BK
8525	-0.275	0.415	-0.103	0.243	DGKZ
8526	0.036	-0.053	-0.002	-0.015	DGKE
8527	-0.761	-1.404	-2.406	0.242	DGKD
8528	0.004	0.107	0.000	0.111	DDO
8529	0.031	0.045	0.000	0.076	CYP4F2
8530	1.512	-1.554	-0.041	0.000	CST7
8531	-0.086	-0.852	-1.139	0.047	CSDA
8533	0.041	-1.094	-0.979	-0.073	COPS3
8534	-0.056	-0.002	-0.042	-0.017	CHST1
8535	-0.173	-0.310	-0.380	-0.103	CBX4
85352	0.000	0.816	0.595	0.220	KIAA1644
85359	0.019	0.004	0.000	0.023	DGCR6L
8536	0.002	0.000	0.000	0.002	CAMK1
85360	0.036	-0.037	-0.054	-0.020	SYDE1
85363	0.414	0.379	0.966	-0.173	TRIM5
85368	0.000	0.104	0.000	0.104	KIAA1654
8537	0.060	-0.054	0.222	-0.216	BCAS1
85375	0.000	0.000	0.000	0.000	KIAA1661

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
85377	0.024	0.774	0.594	0.204	MICALL1
8538	-0.252	0.147	-0.123	0.018	BARX2
8539	-0.369	-0.021	-0.376	-0.134	API5
8540	-0.672	0.465	-0.158	-0.048	AGPS
8541	0.047	-0.106	-0.059	0.000	PPFIA3
8542	-0.085	-0.382	-0.468	0.001	APOL1
8543	0.362	-0.402	0.278	-0.318	LMO4
8544	-0.309	-0.744	-1.220	0.167	PIR
85446	0.054	-0.011	-0.018	0.061	ZFHX2
8545	0.069	-0.916	-0.897	0.050	CGGBP1
85452	0.021	-0.021	0.011	-0.011	KIAA1751
85453	0.191	-0.007	0.040	0.144	TSPYL5
85458	-0.029	0.966	1.610	-0.672	DIXDC1
85459	0.000	0.006	0.000	0.006	KIAA1731
8546	0.139	0.588	0.670	0.057	AP3B1
8547	0.420	-0.617	-0.233	0.036	FCN3
85476	0.009	0.069	0.058	0.020	GFM1
85477	0.000	0.044	0.013	0.031	SCIN
8548	0.552	-1.161	-0.654	0.023	BLZF1
8549	-0.006	1.876	1.578	0.292	LGR5
8550	-0.486	-0.886	-0.536	-0.836	MAPKAPK5
8552	0.000	0.145	0.000	0.145	INE1
8553	-0.602	-2.021	-2.387	-0.237	BHLHE40
8554	0.041	-0.606	-0.065	-0.303	PIAS1
8555	0.008	-0.008	0.537	-0.162	CDC14B
8556	0.000	-0.012	0.000	0.000	CDC14A
8557	-0.040	0.000	-0.040	0.000	TCAP
8558	-0.154	0.335	0.002	-0.040	CDK10
8559	-0.045	-0.404	-0.270	-0.180	PRPF18
856	0.010	0.145	0.006	0.149	CATR1
8560	0.433	-1.537	-1.202	0.098	DEGS1
8562	0.093	0.361	0.327	0.127	DENR
8563	0.016	0.001	-0.012	0.030	THOC5
8564	-0.627	-3.308	-4.137	0.202	KMO
8565	-0.210	-1.995	-2.223	0.017	YARS
8566	0.371	-1.218	-0.953	0.115	PDXK
8567	-0.030	0.105	0.124	-0.048	MADD
8568	-0.010	-0.645	-0.820	0.165	RRP1
8569	-0.613	0.790	0.172	0.005	MKNK1
857	0.197	-0.538	-0.897	0.556	CAV1
8570	-0.180	-0.275	-0.487	0.028	KHSRP
8572	-0.001	0.020	-0.082	-0.003	PDLIM4
8573	0.056	1.372	1.391	0.037	CASK
8574	-0.331	2.042	1.668	0.042	AKR7A2
8575	-0.168	0.337	0.256	-0.087	PRKRA

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
8576	-0.348	0.807	0.491	-0.032	STK16
8577	0.248	-0.805	-0.506	-0.050	TMEFF1
8578	0.235	-1.250	-1.125	0.110	SCARF1
858	-0.001	1.203	1.097	0.025	CAV2
8581	-0.380	4.948	3.068	1.500	LY6D
8586	-0.001	0.049	-0.001	0.049	OR7E87P
85865	-0.008	-0.076	-0.084	0.000	GTPBP10
859	0.000	0.000	0.000	0.000	CAV3
8590	0.000	0.000	0.000	0.000	OR6A2
86	-0.255	0.528	0.114	0.160	ACTL6A
860	0.000	0.000	0.000	0.000	RUNX2
8600	-0.028	0.103	0.174	-0.099	TNFSF11
8601	-0.269	0.456	0.453	-0.266	RGS20
8602	-0.066	-1.356	-1.646	0.224	NOP14
8603	-0.252	-0.776	-1.255	0.226	FAM193A
8604	0.396	0.518	1.088	-0.174	SLC25A12
8605	-0.089	-1.586	-1.115	-0.560	PLA2G4C
8607	-0.575	0.969	0.236	0.158	RUVBL1
8608	0.000	0.000	0.000	0.000	RDH16
8609	-0.124	-1.899	-1.302	-0.721	KLF7
861	-0.265	-0.214	-0.584	0.002	RUNX1
8611	0.701	0.048	0.182	0.567	PPAP2A
8612	-0.273	1.566	1.290	0.002	PPAP2C
8613	0.667	-2.486	-2.474	0.656	PPAP2B
8614	-1.191	-4.022	-4.697	-0.516	STC2
8615	-0.257	0.466	0.266	-0.057	USO1
8618	0.000	0.000	0.000	0.000	CADPS
862	0.153	-0.095	-0.005	0.004	RUNX1T1
8620	0.000	0.151	0.000	0.151	NPFF
8621	0.000	0.000	0.000	0.000	CDK13
8622	-0.274	0.656	0.641	-0.259	PDE8B
8623	-0.037	-0.945	-0.621	-0.343	ASMTL
8624	-0.006	0.157	-0.415	0.566	PSMG1
8625	-0.091	0.757	0.508	0.158	RFXANK
8626	-0.002	0.161	0.081	0.004	TP63
8629	-0.014	0.182	0.045	0.092	JRK
863	-0.038	0.055	0.006	0.012	CBFA2T3
8630	0.000	0.067	0.044	0.023	HSD17B6
8631	-0.010	0.345	0.655	-0.319	SKAP1
8632	0.000	0.078	0.047	0.031	DNAH17
8633	-0.050	0.396	0.249	0.098	UNC5C
8634	-0.120	0.453	0.335	-0.003	RTCA
8635	-0.108	1.635	1.796	-0.269	RNASET2
8636	-0.200	0.685	0.037	0.448	SSNA1
8638	-0.159	-0.014	-0.251	0.077	OASL

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
8639	0.653	-2.559	-1.933	0.026	AOC3
864	0.710	0.441	1.371	-0.219	RUNX3
8642	0.163	-0.263	-0.649	0.549	DCHS1
8643	0.103	-0.103	0.025	-0.025	PTCH2
8644	-0.412	0.130	0.555	-0.837	AKR1C3
8645	0.968	0.413	1.961	-0.580	KCNK5
8646	0.032	-0.032	0.000	0.000	CHRD
8647	0.000	0.000	0.000	0.000	ABCB11
8648	-0.163	-0.239	0.068	-0.384	NCOA1
8649	0.270	-1.093	-0.749	-0.074	LAMTOR3
865	-0.006	-0.217	-0.157	-0.066	CBFB
8650	0.108	-0.450	-0.125	-0.218	NUMB
8651	0.087	-0.086	0.126	-0.136	SOCS1
8653	0.000	0.279	0.083	0.196	DDX3Y
8654	-0.075	0.061	0.582	-0.596	PDE5A
8655	0.150	0.495	0.655	-0.010	DYNLL1
8658	-0.010	0.000	-0.002	0.049	TNKS
8659	0.000	0.334	-0.002	0.335	ALDH4A1
866	-0.017	-0.025	-0.042	0.000	SERPINA6
8660	0.549	-2.664	-2.086	-0.029	IRS2
8661	-0.306	-0.468	-0.332	-0.393	EIF3A
8662	-0.090	-1.050	-1.383	0.243	EIF3B
8664	-0.013	-0.681	-0.880	0.186	EIF3D
8665	-0.018	0.078	-0.015	0.075	EIF3F
8666	0.053	-0.649	-0.726	0.130	EIF3G
8667	-0.075	-0.070	-0.116	-0.029	EIF3H
8668	0.172	-0.392	-0.724	0.504	EIF3I
8669	0.251	-1.412	-1.027	-0.134	EIF3J
867	0.023	-0.083	-0.060	0.001	CBL
8671	-0.085	0.177	-0.002	0.098	SLC4A4
8672	-0.371	1.962	1.867	-0.275	EIF4G3
8673	-0.557	1.509	1.054	-0.102	VAMP8
8674	0.136	0.013	0.570	-0.206	VAMP4
8675	0.027	0.242	0.450	-0.124	STX16
8676	0.144	-3.377	-3.143	-0.090	STX11
8677	0.081	1.708	1.632	0.157	STX10
8678	-0.444	0.753	0.593	-0.284	BECN1
868	0.472	-0.589	0.032	-0.149	CBLB
8682	0.194	-1.101	-1.092	0.185	PEA15
8683	0.010	-0.049	0.124	-0.162	SRSF9
8685	0.058	-0.512	-0.464	0.011	MARCO
8687	0.027	0.031	0.000	0.058	KRT38
8688	-0.011	0.000	-0.011	0.000	KRT37
8689	0.096	-0.096	0.000	0.000	KRT36
869	0.000	0.000	0.000	0.000	CBLN1

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
8690	0.129	0.409	1.159	-0.621	JRKL
8692	0.086	1.580	1.240	0.427	HYAL2
8694	0.000	0.013	0.390	-0.377	DGAT1
8697	0.252	-0.571	-0.281	-0.038	CDC23
8698	0.009	-0.009	0.000	0.000	S1PR4
87	-0.281	0.708	0.162	0.186	ACTN1
8702	0.311	0.350	0.749	-0.088	B4GALT4
8703	-0.145	-1.313	-1.471	0.013	B4GALT3
8704	-0.033	0.048	0.140	-0.125	B4GALT2
8705	0.084	0.994	1.082	-0.003	B3GALT4
8706	-0.044	1.126	1.210	-0.128	B3GALNT1
8707	0.000	0.173	0.005	0.168	B3GALT2
8708	0.000	0.090	0.000	0.090	B3GALT1
871	0.764	-0.372	-0.018	0.409	SERPINH1
8710	2.145	-1.937	-0.900	1.108	SERPINB7
8711	0.023	-0.065	-0.113	0.071	TNK1
8712	-0.019	0.000	-0.019	0.000	PAGE1
8714	-0.615	1.944	1.653	0.007	ABCC3
8715	0.000	0.268	0.349	-0.081	NOL4
8717	-0.260	0.803	0.635	0.089	TRADD
8718	0.000	0.014	0.000	0.014	TNFRSF25
8720	-0.412	0.268	-0.141	-0.003	MBTPS1
8721	-0.307	0.308	-0.219	0.220	EDF1
8722	-0.226	1.398	1.057	0.116	CTSF
8723	-0.119	-0.244	-0.335	-0.028	SNX4
8724	0.331	-0.509	-0.395	0.231	SNX3
8725	-0.187	-0.151	0.234	-0.255	URI1
8726	0.223	-0.535	-0.316	0.004	EED
8727	-0.042	-3.030	-2.557	-0.514	CTNNAL1
8728	0.055	2.060	2.038	0.076	ADAM19
8729	-0.312	-0.425	-0.591	-0.146	GBF1
873	0.339	1.078	1.479	-0.062	CBR1
8731	0.389	-1.917	-1.485	-0.043	RNMT
8732	-0.198	-0.038	-0.062	-0.241	RNGTT
8733	-0.436	1.183	0.748	0.125	GPAA1
8735	0.029	0.043	-0.005	0.077	MYH13
8736	0.047	-0.047	0.017	-0.017	MYOM1
8737	0.274	-2.584	-1.668	-0.641	RIPK1
8738	0.097	0.114	0.085	0.126	CRADD
8739	0.000	0.027	0.000	0.027	HRK
874	0.365	-0.104	-1.402	1.663	CBR3
8740	0.084	-0.084	0.002	-0.002	TNFSF14
8741	0.164	3.689	4.209	-0.356	TNFSF13
8742	0.001	0.624	0.488	0.137	TNFSF12
8743	-0.795	3.290	2.610	-0.082	TNFSF10

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
8744	0.054	0.035	-0.041	0.130	TNFSF9
8745	0.001	0.381	0.488	-0.106	ADAM23
8748	0.000	0.000	0.032	-0.032	ADAM20
8749	0.000	0.231	0.000	0.231	ADAM18
875	-0.416	-0.112	-0.514	-0.014	CBS
8751	-0.210	-0.071	-0.282	0.001	ADAM15
8754	-0.151	1.291	1.305	-0.165	ADAM9
8756	0.000	0.016	0.000	0.016	ADAM7
8760	0.036	-1.071	-0.431	-0.605	CDS2
8761	-0.071	-1.168	-0.954	-0.284	PABPC4
8763	-0.095	0.533	0.743	-0.234	CD164
8764	-0.057	0.357	-0.025	0.325	TNFRSF14
8766	0.038	0.817	1.131	-0.276	RAB11A
8767	0.621	-2.472	-1.435	-0.416	RIPK2
8772	0.268	0.280	0.629	-0.080	FADD
8773	0.187	-0.643	0.196	-0.591	SNAP23
8774	0.194	-0.976	-0.535	-0.247	NAPG
8775	-0.308	-0.381	-0.695	0.006	NAPA
8776	-0.120	-0.470	-0.565	-0.004	MTMR1
8777	-0.050	0.391	0.298	0.044	MPDZ
8778	0.000	0.149	0.000	0.149	SIGLEC5
8780	-0.027	-0.395	-0.165	-0.286	RIOK3
8785	-0.008	0.000	-0.008	0.000	MATN4
8786	0.001	0.067	0.034	0.034	RGS11
8787	0.000	0.247	0.000	0.247	RGS9
8788	0.913	-2.554	-1.720	0.080	DLK1
8789	0.043	-0.043	0.000	0.000	FBP2
8790	-0.471	2.030	1.936	-0.376	FPGT
8792	2.197	-2.734	-0.427	-0.111	TNFRSF11A
8793	0.552	-2.692	-1.749	-0.391	TNFRSF10D
8794	-0.153	0.290	0.730	-0.593	TNFRSF10C
8795	-0.063	-3.453	-3.099	-0.112	TNFRSF10B
8796	0.073	2.044	3.313	-1.196	SCEL
8798	0.409	0.443	0.749	0.103	DYRK4
8799	-0.002	1.325	1.185	0.138	PEX11B
88	0.003	0.029	0.007	0.034	ACTN2
8800	-0.046	0.406	0.824	-0.464	PEX11A
8801	-0.425	1.737	1.554	-0.275	SUCLG2
8802	-0.084	0.285	-0.052	0.253	SUCLG1
8803	0.018	1.259	1.519	-0.242	SUCLA2
8804	0.489	0.441	0.751	0.178	CREG1
8805	-0.074	-0.001	0.000	-0.044	TRIM24
8807	0.169	-0.302	-0.097	-0.036	IL18RAP
8808	-0.237	-0.320	-0.414	-0.144	IL1RL2
8809	0.005	-0.103	-0.096	-0.001	IL18R1

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
881	0.010	-0.010	0.000	0.000	CCIN
8811	0.000	0.000	0.000	0.000	GALR2
8812	0.129	-0.142	-0.012	-0.001	CCNK
8813	0.139	-1.187	-1.106	0.058	DPM1
8814	0.000	0.000	0.000	0.000	CDKL1
8815	-0.196	0.620	0.332	0.092	BANF1
8817	-0.381	0.004	-0.457	0.008	FGF18
8818	-0.360	0.235	-0.285	0.160	DPM2
8819	0.261	-0.253	0.073	-0.075	SAP30
8820	0.006	0.076	-0.015	0.098	HESX1
8821	-0.920	3.779	3.227	-0.368	INPP4B
8822	0.149	0.226	0.117	0.258	FGF17
8823	0.000	0.000	0.000	0.000	FGF16
8824	-0.294	0.490	0.298	-0.078	CES2
8825	-0.088	-0.007	-0.095	0.000	LIN7A
8826	0.087	0.443	0.989	-0.163	IQGAP1
8828	0.000	0.000	-0.055	0.041	NRP2
8829	0.229	-1.450	-1.098	0.064	NRP1
883	0.010	-0.178	0.315	-0.484	CCBL1
8832	0.001	0.002	0.002	0.002	CD84
8833	0.010	-1.346	-0.742	-0.594	GMPS
8834	0.256	-1.320	-0.949	-0.115	TMEM11
8835	-0.163	-1.954	-2.203	0.086	SOCS2
8836	0.400	1.897	2.339	-0.042	GGH
8837	0.322	-1.283	-0.146	-0.790	CFLAR
8838	0.061	3.582	2.226	1.416	WISP3
8839	0.260	-0.274	0.007	-0.021	WISP2
8840	0.000	0.064	0.043	0.021	WISP1
8841	0.150	-0.507	-0.316	-0.041	HDAC3
8842	0.429	2.964	3.868	-0.475	PROM1
8843	1.658	-6.050	-4.594	0.201	HCAR3
8844	0.014	0.000	-0.002	0.008	KSR1
8846	-0.211	-1.509	-1.779	0.059	ALKBH1
8847	0.026	0.009	0.083	-0.048	DLEU2
8848	-0.156	-0.476	-0.156	-0.476	TSC22D1
885	-0.262	-0.101	-0.363	0.000	CCK
8850	0.306	1.057	1.732	-0.368	KAT2B
8851	0.027	0.185	0.411	-0.199	CDK5R1
8852	0.055	0.073	-0.021	0.148	AKAP4
8853	-0.400	2.617	2.347	-0.130	ASAP2
8854	0.266	-0.454	-0.426	0.239	ALDH1A2
8856	0.000	0.031	0.000	0.031	NR1I2
8857	0.000	0.399	0.423	-0.025	FCGBP
8858	-0.007	0.091	0.003	0.081	PROZ
8859	-0.106	-0.804	-0.887	-0.023	STK19

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
886	-0.004	0.034	-0.005	0.035	CCKAR
8861	-0.133	0.204	0.078	-0.007	LDB1
8863	-0.095	0.163	-0.319	0.387	PER3
8864	0.206	-2.162	-1.870	-0.086	PER2
8867	-0.575	0.060	-0.342	-0.173	SYNJ1
8869	0.095	0.767	0.420	0.442	ST3GAL5
887	0.024	-0.020	0.029	-0.025	CCKBR
8870	-0.284	-0.345	-0.951	0.322	IER3
8871	0.000	0.149	0.002	-0.025	SYNJ2
8872	-0.250	0.553	0.163	0.140	CDC123
8874	0.195	-1.793	-1.345	-0.253	ARHGEF7
8875	0.150	0.392	1.924	-1.382	VNN2
8876	1.830	-0.509	1.925	-0.604	VNN1
8877	0.349	-2.009	-2.733	1.073	SPHK1
8878	-0.023	-1.126	-1.120	-0.006	SQSTM1
8879	-0.280	0.927	0.905	-0.221	SGPL1
8880	0.176	-0.193	-0.166	0.048	FUBP1
8881	-0.452	1.329	0.992	0.308	CDC16
8882	-0.097	-1.694	-1.920	0.128	ZNF259
8883	-0.142	0.764	0.655	-0.033	NAE1
8884	-0.374	-1.087	-1.453	-0.008	SLC5A6
8886	-0.190	-1.421	-1.458	-0.080	DDX18
8887	-0.027	0.022	0.088	-0.164	TAX1BP1
8888	-0.150	-0.164	-0.129	-0.002	MCM3AP
889	-0.036	0.215	0.699	-0.303	KRIT1
8890	-0.448	-0.089	-0.575	0.038	EIF2B4
8891	-0.055	0.988	1.113	-0.180	EIF2B3
8892	0.012	0.059	-0.120	0.191	EIF2B2
8893	-0.255	0.003	-0.560	0.308	EIF2B5
8894	0.204	-0.570	-0.267	-0.099	EIF2S2
8895	-0.394	1.691	1.531	-0.235	CPNE3
8896	0.154	-0.941	-1.055	0.268	BUD31
8897	-0.022	-0.588	-0.610	-0.031	MTMR3
8898	0.056	-0.291	-0.113	-0.002	MTMR2
8899	-0.029	0.098	-0.275	0.231	PRPF4B
89	-0.011	0.131	-0.011	0.131	ACTN3
890	0.110	0.426	0.838	-0.302	CCNA2
8900	0.961	1.965	3.206	-0.280	CCNA1
8904	0.082	-1.181	-0.708	-0.391	CPNE1
8905	0.611	-0.679	0.052	-0.120	AP1S2
8906	-0.334	1.623	1.156	0.133	AP1G2
8908	0.000	0.006	0.002	0.001	GYG2
8909	0.000	0.000	0.001	-0.001	ENDOU
891	-0.027	0.962	1.275	-0.340	CCNB1
8910	0.567	1.977	2.647	-0.102	SGCE

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
8911	0.000	0.000	0.000	0.000	CACNA1I
8912	0.000	0.000	0.000	0.000	CACNA1H
8913	0.000	0.084	0.010	0.236	CACNA1G
8914	-0.255	0.470	0.277	-0.063	TIMELESS
8915	0.569	-2.895	-1.799	-0.527	BCL10
8916	0.013	-0.003	0.000	0.010	HERC3
892	0.082	-0.572	-0.697	0.207	CCNC
8924	-0.181	1.433	1.476	-0.224	HERC2
8925	0.045	-0.316	0.528	-0.799	HERC1
8927	0.000	0.000	0.000	0.000	BSN
8928	0.019	-0.008	0.000	0.011	FOXH1
8929	0.000	0.041	0.000	0.041	PHOX2B
8930	0.032	-0.446	-0.284	-0.070	MBD4
8932	0.201	-0.417	-0.087	-0.009	MBD2
8933	-0.110	1.293	1.079	0.104	FAM127A
8934	0.103	1.434	1.809	-0.273	RAB7L1
8935	0.320	0.442	1.325	-0.248	SKAP2
8936	0.104	-0.567	-0.596	0.133	WASF1
8938	0.013	0.068	0.000	0.082	BAIAP3
8939	-0.050	0.403	-0.102	0.455	FUBP3
894	0.547	0.591	1.354	0.268	CCND2
8940	-0.003	0.055	0.009	0.042	TOP3B
8941	0.004	0.018	0.000	0.022	CDK5R2
8942	-0.090	-1.302	-0.999	-0.463	KYNU
8943	-0.410	-0.594	-0.930	-0.077	AP3D1
8945	-0.557	-0.019	-0.809	0.006	BTRC
896	0.158	-0.742	-0.668	0.084	CCND3
8968	0.000	0.035	0.000	0.035	HIST1H3F
8969	0.010	-0.003	0.000	0.007	HIST1H2AG
8970	0.000	0.062	0.098	-0.035	HIST1H2BJ
8971	0.169	-2.123	-2.860	0.906	H1FX
8972	-0.226	0.165	-0.245	0.184	MGAM
8973	-0.002	0.000	0.002	-0.004	CHRNA6
8974	0.488	-0.127	0.325	0.036	P4HA2
8975	0.391	-1.236	-0.878	0.034	USP13
8976	-0.364	-0.465	-0.410	-0.420	WASL
89781	-0.113	0.773	0.222	0.438	HPS4
89795	0.000	0.005	0.010	-0.028	NAV3
89797	0.207	-0.860	-1.261	0.608	NAV2
898	-0.122	-0.198	-0.259	-0.062	CCNE1
89845	-0.336	1.294	1.113	-0.156	ABCC10
8985	-0.428	1.098	0.865	-0.195	PLOD3
89853	0.000	0.179	0.152	-0.024	FAM125B
8986	0.000	0.050	0.153	-0.103	RPS6KA4
89870	0.000	0.000	0.002	0.000	TRIM15

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
89874	0.000	0.018	0.086	-0.068	SLC25A21
8988	0.000	0.000	0.000	0.000	HSPB3
8989	-0.019	-0.010	-0.029	0.000	TRPA1
899	0.003	0.177	-0.013	0.194	CCNF
8991	-0.153	2.566	2.928	-0.514	SELENBP1
89910	-0.019	0.005	-0.024	-0.082	UBE3B
89919	-0.017	-0.036	-0.057	0.003	C14orf56
8992	-0.102	0.053	0.183	-0.154	ATP6V0E1
89927	-0.149	-0.072	-0.148	-0.072	C16orf45
8993	-0.058	0.091	-0.079	0.112	PGLYRP1
8994	-0.180	0.051	-0.143	0.015	LIMD1
89941	-0.002	-0.162	-0.117	0.034	RHOT2
89944	-0.013	0.220	0.392	-0.184	GLB1L2
8995	0.025	0.023	-0.006	0.055	TNFSF18
8996	-0.425	1.130	0.672	0.033	NOL3
8997	-0.059	-0.045	-0.120	0.016	KALRN
8999	0.000	0.000	0.000	0.000	CDKL2
9	-1.885	0.173	-1.443	-0.269	NAT1
90	0.008	0.149	0.496	-0.339	ACVR1
900	0.499	-0.141	0.404	-0.046	CCNG1
9001	0.034	0.049	0.006	0.076	HAP1
90011	0.000	0.122	0.046	0.076	KIR3DX1
9002	-0.003	0.000	-0.003	0.000	F2RL3
901	0.289	-0.032	0.722	-0.332	CCNG2
90121	-0.124	-0.526	-0.886	0.237	TSR2
9013	-0.078	-0.068	-0.158	0.011	TAF1C
90133	-0.232	0.159	-0.127	0.054	KRT8P12
9014	-0.244	-0.223	-0.236	-0.231	TAF1B
90141	-0.196	1.016	0.884	-0.065	EFCAB11
9015	0.296	-1.577	-1.273	-0.008	TAF1A
9016	-0.262	0.279	0.172	-0.155	SLC25A14
9019	0.198	-0.417	-0.454	0.061	MPZL1
90199	0.000	0.097	0.051	0.047	WFDC8
902	0.028	-1.291	-1.347	0.083	CCNH
9020	0.167	-0.427	-0.250	-0.010	MAP3K14
90204	0.017	-0.017	0.000	0.000	ZSWIM1
9021	0.004	-0.936	-0.605	0.000	SOCS3
9022	-0.037	4.312	3.168	1.107	CLIC3
9023	0.975	-1.696	-0.787	0.066	CH25H
90233	0.481	-1.320	-0.779	-0.060	ZNF551
9024	0.000	0.000	0.000	0.000	BRSK2
9025	0.006	-0.141	0.237	-0.372	RNF8
9026	0.089	0.346	0.259	0.065	HIP1R
9027	0.015	-0.015	0.061	-0.061	NAT8
90273	0.000	0.007	0.000	0.007	CEACAM21

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
9028	0.036	-0.036	0.000	0.000	RHBDL1
9031	-0.228	-0.034	-0.134	-0.031	BAZ1B
9032	-0.042	0.095	0.045	0.007	TM4SF5
90326	0.144	-0.150	-0.016	0.010	THAP3
9033	0.000	0.000	0.000	0.000	PKD2L1
90333	-0.427	-0.444	-1.032	0.161	ZNF468
90338	-0.341	0.309	0.188	-0.220	ZNF160
9034	0.492	-2.143	-1.595	-0.056	CCRL2
90355	-0.194	0.373	-0.024	0.203	C5orf30
90362	-0.075	-1.489	-1.890	0.326	FAM110B
9037	0.132	-0.032	0.019	0.081	SEMA5A
90379	0.012	0.159	0.065	0.142	DCAF15
9038	-0.039	0.000	-0.035	-0.004	TAAR5
9039	-0.219	1.595	1.363	0.013	UBA3
904	0.647	-1.367	-0.532	-0.187	CCNT1
9040	0.013	0.271	-0.249	0.533	UBE2M
90410	0.239	0.141	0.211	0.169	IFT20
90411	0.056	-0.106	-0.005	-0.188	MCFD2
9043	0.170	-2.553	-2.546	0.012	SPAG9
9044	0.098	-0.809	-0.777	0.066	BTAF1
9045	0.127	-0.533	-0.197	-0.194	RPL14
9046	0.068	-0.017	-0.020	0.072	DOK2
9047	0.040	-0.040	0.000	0.000	SH2D2A
9048	0.000	0.000	0.000	0.000	ARTN
90480	0.043	0.222	0.038	0.227	GADD45GIP1
90485	-0.002	0.052	0.001	0.049	ZNF835
9049	0.129	0.321	0.638	-0.187	AIP
905	0.205	-0.940	-0.381	0.023	CCNT2
9050	0.224	-1.355	-0.826	-0.305	PSTPIP2
9051	-0.002	0.000	-0.002	0.000	PSTPIP1
9052	0.582	-0.742	0.229	-0.389	GPRC5A
90522	-0.070	0.079	-0.070	0.078	YIF1B
9053	-0.108	-1.627	-1.008	-0.699	MAP7
9054	-0.553	0.741	0.149	0.039	NFS1
9055	0.446	0.185	0.434	0.198	PRC1
9056	0.194	-0.193	-0.008	0.009	SLC7A7
9057	-0.403	-1.201	-1.437	-0.194	SLC7A6
9058	0.092	0.055	0.000	0.147	SLC13A2
90586	0.000	0.235	0.000	0.235	AOC4
9060	0.008	-1.589	-1.372	-0.209	PAPSS2
9061	0.005	2.626	2.648	-0.016	PAPSS1
90627	-0.110	-0.603	-0.605	-0.107	STARD13
9063	-0.153	0.245	-0.006	0.099	PIAS2
90634	0.238	-0.627	-0.112	-0.055	N4BP2L1
9064	0.072	0.472	0.116	0.429	MAP3K6

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
90665	0.000	0.000	0.000	0.000	TBL1Y
9070	-0.114	0.683	0.669	-0.099	ASH2L
9071	-0.072	7.166	8.407	-1.313	CLDN10
9073	1.031	1.001	2.605	-0.573	CLDN8
9074	-0.008	0.000	-0.008	0.000	CLDN6
9076	0.834	-3.365	-2.355	-0.175	CLDN1
9077	0.331	0.988	1.537	-0.218	DIRAS3
9079	0.212	-0.340	-0.124	-0.005	LDB2
908	-0.157	-0.195	-0.156	-0.195	CCT6A
9080	0.000	0.038	0.031	0.007	CLDN9
90806	-0.200	0.022	0.002	-0.002	ANGEL2
9081	0.000	0.000	0.037	-0.037	PRY
9083	-0.002	0.016	0.017	-0.003	BPY2
9085	0.000	0.000	0.007	-0.007	CDY1
9086	0.000	0.018	0.018	0.000	EIF1AY
90861	-0.501	0.009	-0.619	-0.005	HN1L
90864	-0.044	0.127	0.150	-0.068	SPSB3
90865	0.462	-0.844	-0.124	-0.258	IL33
9087	-0.003	0.000	-0.003	0.000	TMSB4Y
9088	0.005	0.128	0.015	0.118	PKMYT1
909	0.008	-0.009	0.000	0.000	CD1A
9091	0.000	0.171	0.126	0.045	PIGQ
9092	-0.063	-1.362	-1.103	-0.322	SART1
9093	-0.370	0.001	-0.487	0.117	DNAJA3
9094	0.053	0.260	0.070	0.242	UNC119
9095	-0.186	0.018	-0.408	0.241	TBX19
90956	-0.051	0.186	0.008	0.012	ADCK2
90957	-0.374	0.343	0.062	-0.093	DHX57
9097	-0.124	-0.081	0.020	-0.225	USP14
9098	0.163	0.252	0.756	-0.340	USP6
9099	0.182	-0.184	-0.002	0.000	USP2
90993	0.000	0.229	-0.036	0.265	CREB3L1
91	0.119	-0.597	-0.233	0.014	ACVR1B
910	0.026	-0.026	0.000	0.000	CD1B
9100	-0.026	-2.014	-1.285	-0.754	USP10
9101	-0.164	0.137	-0.034	0.007	USP8
9103	0.005	-0.037	-0.032	0.053	FCGR2C
9104	0.005	0.272	0.005	0.272	RGN
9107	0.054	0.623	0.444	0.233	MTMR6
9108	-0.003	0.039	0.003	0.032	MTMR7
911	0.000	0.000	0.000	0.000	CD1C
9110	0.212	0.027	0.200	0.040	MTMR4
9111	0.476	-0.721	-0.118	-0.126	NMI
9112	-0.125	0.050	0.031	-0.106	MTA1
91120	0.000	-0.007	-0.007	0.000	ZNF682

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
9113	-0.103	-0.080	-0.183	0.000	LATS1
91137	-0.317	0.756	0.190	0.249	SLC25A46
9114	0.171	-1.358	-1.319	0.132	ATP6V0D1
9118	0.000	0.212	0.029	0.183	INA
9119	0.000	0.603	0.596	0.007	KRT75
912	0.004	-0.005	0.000	0.000	CD1D
9120	-0.553	0.242	0.250	-0.561	SLC16A6
9121	-0.165	0.450	0.757	-0.357	SLC16A5
9122	0.075	1.865	2.196	-0.257	SLC16A4
9123	0.099	-0.030	0.405	-0.083	SLC16A3
9124	-0.444	-0.378	-1.290	0.468	PDLIM1
9125	0.078	-1.033	-0.792	-0.093	RQCD1
9126	-0.053	-0.842	-0.152	-0.643	SMC3
9127	0.052	0.010	0.013	0.048	P2RX6
9128	0.066	-1.975	-1.215	-0.694	PRPF4
91289	-0.042	0.500	0.289	0.169	LMF2
9129	0.107	-1.256	-1.474	0.325	PRPF3
91298	0.231	-0.154	0.113	-0.036	C12orf29
913	0.050	0.007	0.038	0.019	CD1E
9130	-0.152	0.273	-0.282	0.402	FAM50A
91300	0.156	-0.605	-0.863	0.415	R3HDM4
91304	-0.206	-0.386	-0.734	0.145	C19orf6
9131	-0.475	1.556	0.997	0.084	AIFM1
91316	-0.005	0.010	-0.045	0.095	GUSBP11
9132	-0.008	-0.004	-0.012	0.000	KCNQ4
9133	-0.152	1.032	1.314	-0.434	CCNB2
9134	-0.174	0.123	-0.213	0.162	CCNE2
9135	-0.637	0.205	-0.083	-0.349	RABEP1
91353	0.799	-1.900	-1.098	-0.003	IGLL3P
91355	-0.401	0.006	-0.461	0.066	LRP5L
9136	0.246	-0.764	-0.369	-0.149	RRP9
91369	0.436	-0.784	-0.353	0.005	ANKRD40
91373	-0.102	-0.027	-0.069	-0.060	UAP1L1
9138	-0.204	0.116	-0.184	0.096	ARHGEF1
9139	-0.176	0.009	-0.076	-0.026	CBFA2T2
914	1.405	-1.880	-0.451	-0.024	CD2
9140	0.102	-0.868	-0.543	-0.143	ATG12
9141	0.226	-0.847	-0.644	0.024	PDCD5
9142	-0.136	0.000	-0.136	0.000	CXorf1
9143	-0.059	0.063	0.143	-0.139	SYNGR3
9144	-0.481	0.753	0.271	0.001	SYNGR2
91442	-0.083	0.178	0.071	0.024	C19orf40
91445	0.003	-0.003	0.000	0.000	RNF185
9145	0.033	0.785	0.462	0.389	SYNGR1
9146	-0.213	-1.722	-1.794	-0.141	HGS

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
9147	-0.144	0.940	0.764	0.032	NEMF
9148	-0.064	0.066	-0.027	0.029	NEURL
9149	0.062	-0.004	0.004	0.054	DYRK1B
915	1.100	-1.127	-0.023	-0.003	CD3D
9150	0.441	-1.120	-0.951	0.271	CTDP1
9152	0.000	0.000	0.000	0.000	SLC6A5
9153	0.000	0.080	0.000	0.080	SLC28A2
9154	0.000	0.000	0.033	-0.033	SLC28A1
91543	1.228	-1.446	-0.481	0.264	RSAD2
9156	-0.019	0.050	0.217	-0.185	EXO1
9158	-0.227	1.653	1.441	-0.016	FIBP
9159	-0.225	0.242	0.101	-0.084	PCSK7
916	0.013	0.152	0.016	0.149	CD3E
9162	0.041	1.030	2.300	-1.229	DGKI
91646	0.127	-0.043	0.000	0.085	TDRD12
91647	0.004	0.032	0.054	-0.019	ATPAF2
9166	-0.147	0.529	0.664	-0.282	EBAG9
9167	-0.085	0.171	-0.178	0.264	COX7A2L
9168	-0.068	0.888	0.712	0.108	TMSB10
91683	0.037	0.017	-0.001	0.055	SYT12
9169	0.000	-1.057	-0.197	-0.851	SCAF11
917	0.010	-0.010	0.000	0.000	CD3G
9170	0.142	-0.023	0.089	0.030	LPAR2
9172	-0.069	-0.514	-0.639	0.057	MYOM2
9173	0.031	-2.312	-2.240	-0.040	IL1RL1
91746	-0.252	-1.527	-1.708	-0.071	YTHDC1
9175	0.898	-1.851	-0.736	-0.217	MAP3K13
91752	0.000	0.059	0.000	0.059	ZNF804A
91754	-0.448	0.387	-0.013	-0.048	NEK9
9177	0.000	0.032	0.001	0.031	HTR3B
91775	0.017	0.014	0.019	0.012	NXPE3
91782	-0.047	0.468	0.649	-0.228	CHMP7
9179	-0.061	-0.141	-0.317	0.115	AP4M1
9180	0.003	-2.513	-1.928	-0.582	OSMR
91807	0.000	0.000	0.000	0.000	MYLK3
9181	-0.234	-1.233	-1.463	-0.004	ARHGEF2
9182	-0.459	-1.514	-2.330	0.357	RASSF9
9183	0.074	-0.614	-0.332	-0.207	ZW10
9184	-0.101	-0.205	-0.176	-0.107	BUB3
9185	-0.076	-0.880	-0.744	-0.212	REPS2
91851	0.876	-4.091	-3.256	0.041	CHRD1
91860	0.104	-0.150	-0.050	0.003	CALML4
9187	0.001	0.047	0.042	-0.002	SLC24A1
9188	-0.191	-2.130	-2.557	0.237	DDX21
9189	-0.193	-0.219	-0.534	0.122	ZBED1

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
919	0.998	-1.212	-0.260	0.046	CD247
9191	-0.229	-0.505	-0.798	0.096	DEDD
9194	0.444	-1.297	-0.640	-0.213	SLC16A7
91949	-0.375	0.637	0.336	-0.075	COG7
9196	-0.014	0.000	-0.012	-0.003	KCNAB3
91966	0.256	-0.608	-0.631	0.279	CXorf40A
9197	0.460	-0.916	-0.702	0.246	SLC33A1
91977	-0.163	0.179	-0.157	0.173	MYOZ3
92	0.057	-0.958	-0.985	0.084	ACVR2A
920	0.162	-0.149	-0.001	0.014	CD4
9200	-0.690	3.476	1.991	0.794	PTPLA
9201	0.200	-0.294	-0.009	-0.085	DCLK1
92017	0.002	-0.002	0.025	-0.025	SNX29
9202	-0.374	0.653	0.789	-0.510	ZMYM4
9203	-0.098	1.015	0.508	0.409	ZMYM3
9204	-0.061	-0.065	0.121	-0.247	ZMYM6
9205	0.081	-1.728	-1.234	-0.566	ZMYM5
9208	-0.096	-0.528	-0.447	-0.124	LRRFIP1
92086	-0.162	0.195	-0.163	0.196	GGTLC1
9209	0.056	-3.041	-3.095	0.110	LRRFIP2
921	-0.001	0.088	-0.001	0.088	CD5
9210	0.000	0.000	0.000	0.000	BMP15
92104	-0.272	0.395	0.396	-0.274	TTC30A
9211	0.000	0.000	0.000	0.000	LGI1
9212	0.003	0.039	0.122	-0.080	AURKB
9214	-0.019	-0.562	-0.727	0.147	FAIM3
92140	-0.081	-0.423	-0.186	-0.219	MTDH
9215	0.000	0.000	0.000	0.000	LARGE
92154	0.010	-0.027	-0.080	0.062	MTSS1L
9217	-0.087	0.034	0.363	-0.415	VAPB
92170	-0.274	0.214	-0.148	0.087	MTG1
9218	0.172	-0.676	-0.650	0.146	VAPA
9219	0.000	0.000	0.000	0.000	MTA2
922	0.000	0.000	0.000	0.000	CD5L
9221	-0.029	-2.550	-2.687	-0.116	NOLC1
92211	0.000	0.000	0.000	0.000	CDHR1
9223	-0.003	0.044	-0.003	0.000	MAGI1
92249	-0.102	0.248	0.367	-0.221	LOC92249
9227	0.293	0.806	1.103	-0.004	LRAT
9228	0.000	0.160	0.003	0.156	DLGAP2
9229	0.000	0.000	0.000	0.000	DLGAP1
923	0.025	0.024	0.023	0.118	CD6
9230	-0.048	0.082	0.055	-0.020	RAB11B
9231	-0.139	-0.009	-0.094	-0.055	DLG5
9232	0.624	0.014	0.202	0.437	PTTG1

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
92335	-0.013	1.084	0.873	0.198	STRADA
92342	-0.019	-0.310	0.545	-0.874	METTTL18
92346	0.000	0.000	0.000	0.000	C1orf105
9235	-0.400	-2.090	-2.971	0.481	IL32
9236	-0.743	3.238	2.808	-0.229	CCPG1
9238	-0.133	-0.158	-0.260	-0.031	TBRG4
924	0.412	-0.646	-0.229	-0.005	CD7
9240	-0.240	0.576	0.580	-0.243	PNMA1
9242	0.071	-0.050	0.018	0.003	MSC
9244	0.032	1.619	1.532	0.120	CRLF1
9245	-0.193	1.492	1.298	0.002	GCNT3
9246	-0.667	1.119	0.503	-0.052	UBE2L6
9247	0.000	0.000	0.003	-0.003	GCM2
9248	0.000	0.000	0.000	0.000	GPR50
92482	0.188	0.046	0.610	-0.376	BBIP1
92483	0.000	0.000	0.000	0.000	LDHAL6B
9249	0.034	-0.177	0.169	-0.312	DHRS3
925	1.673	-1.843	-0.169	-0.001	CD8A
9252	0.260	-1.044	-0.113	-0.670	RPS6KA5
9254	-0.042	0.063	-0.043	0.064	CACNA2D2
9255	0.068	-0.653	-0.357	-0.227	AIMP1
92552	0.000	0.000	0.000	0.000	ATXN3L
92558	0.000	0.178	0.006	0.173	CCDC64
9256	-0.064	-0.020	-0.051	-0.033	BZRAP1
92579	-0.328	1.571	1.046	0.197	G6PC3
9258	-0.220	-0.730	-0.332	-0.618	MFHAS1
92595	-0.023	-0.461	-0.486	0.002	ZNF764
926	0.000	0.014	0.038	-0.024	CD8B
9260	0.082	0.125	0.239	0.015	PDLIM7
92609	0.277	-0.226	0.103	-0.051	TIMM50
9261	0.284	-1.441	-1.300	-0.215	MAPKAPK2
9262	-0.047	-1.581	-1.424	-0.204	STK17B
9263	0.411	-1.694	-0.613	-0.204	STK17A
9265	-0.065	0.000	-0.065	0.000	CYTH3
9266	0.010	-0.576	-0.672	0.106	CYTH2
9267	0.101	-1.242	-1.149	0.009	CYTH1
92689	-0.442	3.193	2.619	0.132	FAM114A1
9270	-0.103	1.118	1.140	-0.125	ITGB1BP1
92703	0.122	-0.045	0.282	-0.205	TMEM183A
9271	0.000	0.000	0.000	0.000	PIWIL1
9274	0.079	0.881	0.434	0.527	BCL7C
9275	0.115	-1.640	-1.525	-0.001	BCL7B
9276	-0.050	-0.304	-0.243	-0.111	COPB2
9277	-0.288	-1.358	-1.362	-0.284	WDR46
9278	-0.040	0.212	0.177	-0.004	ZBTB22

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
928	-0.425	1.176	0.767	-0.017	CD9
92815	0.126	0.070	0.525	-0.330	HIST3H2A
9282	-0.104	-0.002	0.006	-0.006	MED14
92822	0.006	0.015	-0.055	0.075	ZNF276
9283	0.120	-0.122	0.049	-0.051	GPR37L1
9284	-0.586	-0.686	-1.471	0.199	NP1P
92856	-0.174	-1.241	-1.456	0.041	IMP4
9287	0.000	0.000	0.002	-0.002	TAAR2
9288	0.001	-0.001	0.010	-0.010	TAAR3
9289	-0.232	1.999	1.767	-0.001	GPR56
929	0.486	2.152	3.015	-0.376	CD14
9293	0.005	-0.009	-0.004	0.000	GPR52
9294	0.000	0.015	0.001	0.014	S1PR2
9295	0.056	-0.228	0.205	-0.353	SRSF11
9296	-0.157	1.111	0.434	0.520	ATP6V1F
92973	0.032	-0.007	0.103	-0.078	FP588
93	0.071	-0.057	0.014	0.000	ACVR2B
930	0.000	0.000	0.000	0.000	CD19
9306	0.007	0.026	0.266	-0.233	SOCS6
9308	0.608	-2.130	-0.235	-1.286	CD83
93081	0.252	-0.952	-0.430	-0.270	TEX30
931	-0.030	-0.008	-0.038	0.000	MS4A1
9310	0.015	-0.009	-0.002	0.007	ZNF235
9311	0.182	-0.187	0.095	-0.100	ASIC3
9312	0.000	0.058	0.000	0.058	KCNB2
93129	0.139	1.114	1.424	-0.171	ORAI3
9313	0.069	0.007	0.003	0.073	MMP20
9314	0.165	-4.714	-4.347	-0.202	KLF4
9315	0.868	2.313	3.426	-0.245	NREP
93164	0.000	0.000	0.000	0.000	HTR7P1
9317	-1.101	0.513	-0.220	-0.368	PTER
9318	0.236	-1.657	-1.524	0.103	COPS2
9319	0.295	-0.116	0.755	-0.577	TRIP13
932	0.000	0.000	0.000	0.000	MS4A3
9320	-0.351	-0.404	-0.565	-0.191	TRIP12
9321	-0.035	-0.456	-0.259	-0.232	TRIP11
93210	-0.108	0.583	0.176	0.299	PGAP3
9322	0.239	-1.239	-1.312	0.313	TRIP10
9324	0.105	3.007	3.122	-0.011	HMG3
9325	-0.342	0.158	0.170	-0.354	TRIP4
9326	0.176	0.302	0.334	0.144	ZNHIT3
9328	0.292	-0.605	-0.208	-0.105	GTF3C5
9329	0.029	-2.129	-1.749	-0.350	GTF3C4
933	0.006	0.091	0.024	0.076	CD22
9330	-0.048	0.121	0.333	-0.259	GTF3C3

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
9331	-0.045	0.257	0.515	-0.304	B4GALT6
9332	0.000	-1.154	-1.122	-0.001	CD163
9333	0.764	-0.624	0.379	-0.239	TGM5
9334	0.101	0.112	1.087	-0.874	B4GALT5
93349	-0.017	-0.632	-0.582	-0.067	SP140L
9337	0.364	-0.468	0.234	-0.343	CNOT8
9338	-0.113	0.772	0.602	0.057	TCEAL1
9340	0.000	0.000	0.000	0.000	GLP2R
93408	0.003	0.064	-0.005	0.072	MYL10
9341	0.012	0.423	0.500	0.048	VAMP3
9342	-0.405	-0.099	-0.289	-0.215	SNAP29
93436	-0.253	0.241	-0.084	0.072	ARMC6
9344	0.005	-0.072	-0.155	-0.037	TAOK2
9348	0.031	0.943	2.975	-2.001	NDST3
93487	0.354	-0.889	-0.572	0.037	MAPK1IP1L
9349	0.062	-0.281	-0.333	0.114	RPL23
9350	0.000	0.000	0.000	0.000	CER1
9351	0.000	0.000	0.000	0.000	SLC9A3R2
9352	0.114	-0.782	-0.640	-0.028	TXNL1
9353	0.442	-1.894	-1.303	-0.149	SLIT2
9354	-0.489	0.291	0.247	-0.445	UBE4A
9355	0.000	0.000	0.000	0.000	LHX2
9356	-0.042	0.046	-0.044	0.047	SLC22A6
9358	0.386	3.951	4.072	0.264	ITGBL1
93594	0.000	0.237	0.018	0.218	WDR67
9360	-0.078	-0.468	-0.221	-0.308	PPIG
9361	0.131	-2.003	-1.620	-0.252	LONP1
9362	0.000	0.029	0.000	0.029	CPNE6
9363	0.082	0.171	-0.135	0.388	RAB33A
9364	-0.187	0.272	-0.059	0.143	RAB28
93643	-0.446	-0.265	-0.786	0.075	TJAP1
9365	-0.541	-0.069	-0.603	-0.008	KL
9366	0.000	0.000	0.000	0.000	RAB9BP1
93664	-0.539	0.679	0.002	0.137	CADPS2
9367	0.288	-1.355	-0.848	-0.219	RAB9A
9368	-0.073	-0.133	-0.210	0.003	SLC9A3R1
9369	0.000	0.000	0.001	0.000	NRXN3
9370	-0.002	0.043	-0.002	0.043	ADIPOQ
9371	-0.245	0.943	0.443	0.255	KIF3B
9372	0.029	0.034	-0.004	0.067	ZFYVE9
9373	0.211	-0.683	-0.179	-0.293	PLAA
9375	-0.304	1.010	0.816	-0.109	TM9SF2
9376	0.000	0.000	0.004	-0.004	SLC22A8
9377	-0.085	0.408	0.335	-0.012	COX5A
9378	-0.019	0.000	-0.019	0.000	NRXN1

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
9379	0.012	-0.012	0.002	-0.002	NRXN2
9380	-0.110	0.752	0.727	-0.085	GRHPR
9381	0.000	0.000	0.000	0.000	OTOF
9388	0.966	2.427	3.012	0.381	LIPG
9389	-0.138	0.158	0.015	0.005	SLC22A14
939	0.000	0.000	0.000	0.000	CD27
9390	0.000	0.236	0.000	0.236	SLC22A13
9391	0.073	-0.136	0.328	-0.391	CIAO1
9392	0.058	0.154	0.368	-0.156	TGFBRAP1
9394	-0.009	0.167	0.012	0.146	HS6ST1
9397	-0.038	0.072	0.167	0.000	NMT2
93973	-0.307	0.022	-0.271	-0.014	ACTR8
93974	-0.314	2.564	2.165	0.085	ATPIF1
9398	-0.100	0.000	-0.061	-0.040	CD101
9399	-0.008	0.256	0.171	0.078	STOML1
94	-0.277	0.025	-0.286	0.035	ACVRL1
940	0.000	0.000	0.000	0.000	CD28
9400	-0.018	0.189	0.120	-0.055	RECQL5
9401	0.000	0.253	0.084	0.169	RECQL4
9402	-0.029	0.000	-0.029	0.000	GRAP2
94025	-0.658	-0.004	1.265	-1.926	MUC16
94026	-0.017	0.340	-0.017	0.340	POM121L2
9403	0.058	0.462	0.655	-0.135	15-Sep
9404	0.766	0.130	0.238	0.658	LPXN
9407	0.039	1.053	1.877	-0.784	TMPRSS11D
94081	-0.474	0.276	0.553	-0.751	SFXN1
9409	-0.278	0.000	-0.424	0.078	PEX16
941	0.104	-0.104	0.000	0.000	CD80
9410	0.221	-0.962	-0.952	0.211	SNRNP40
94104	-0.242	-0.239	-0.653	0.172	GCFC1
9411	-0.313	-2.330	-2.957	0.315	ARHGAP29
9412	0.332	-1.373	-0.905	-0.136	MED21
9413	-0.159	0.292	0.350	-0.218	FAM189A2
94134	0.033	0.289	0.341	-0.020	ARHGAP12
9414	-0.273	-1.081	-1.202	-0.152	TJP2
9415	-0.077	0.194	0.530	-0.414	FADS2
9416	-0.200	-0.347	-0.311	-0.236	DDX23
9419	0.531	-0.926	0.003	-0.399	CRIPT
942	0.002	0.000	0.046	0.000	CD86
9420	0.982	-1.797	-0.712	-0.102	CYP7B1
9421	0.000	0.070	0.017	0.053	HAND1
9422	0.121	-1.570	-0.811	-0.638	ZNF264
9423	0.064	-0.064	0.000	0.000	NTN1
94239	-0.080	0.726	0.733	-0.117	H2AFV
9425	-0.551	-2.081	-1.986	-0.322	CDYL

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
9427	0.000	0.000	0.000	0.000	ECEL1
9429	0.116	3.089	2.764	0.442	ABCG2
943	0.000	0.211	0.000	0.211	TNFRSF8
9435	1.299	-1.008	0.994	-0.703	CHST2
9436	0.000	0.049	0.010	0.013	NCR2
9437	0.000	0.000	0.000	0.000	NCR1
9439	-0.127	0.884	0.721	0.036	MED23
944	-0.033	0.000	-0.033	0.000	TNFSF8
9440	-0.028	-1.386	-1.539	0.125	MED17
9442	-0.010	-0.847	-0.384	0.000	MED27
9443	-0.069	0.001	0.100	-0.167	MED7
9444	0.018	0.188	-0.147	0.402	QKI
9445	-0.309	1.412	1.069	0.033	ITM2B
9446	0.447	-0.514	-0.328	0.261	GSTO1
9447	0.373	-0.304	0.007	0.062	AIM2
9448	0.360	-1.427	-0.678	-0.389	MAP4K4
945	0.004	-0.004	0.000	0.000	CD33
9450	0.000	0.031	0.000	0.031	LY86
9451	0.261	-2.404	-1.911	-0.232	EIF2AK3
9452	1.763	-2.271	-1.212	0.704	ITM2A
9453	-0.231	0.719	1.173	-0.684	GGPS1
9454	0.005	0.717	0.679	0.151	HOMER3
9455	0.321	-0.051	0.557	-0.288	HOMER2
9456	-0.114	-0.078	0.351	-0.543	HOMER1
9457	1.294	-2.648	-1.436	0.082	FHL5
9459	-0.048	2.076	2.193	-0.166	ARHGEF6
946	0.000	0.000	-0.003	0.000	SIGLEC6
9462	-0.069	0.000	-0.061	0.000	RASAL2
9463	-0.127	0.000	-0.112	-0.015	PICK1
9464	0.032	-0.036	-0.005	0.000	HAND2
9465	-0.057	0.140	0.012	0.098	AKAP7
9466	0.128	2.241	2.341	0.027	IL27RA
9467	0.434	-1.338	-1.181	0.277	SH3BP5
9468	0.000	0.086	0.012	0.074	PCYT1B
9469	0.000	1.757	2.183	-0.004	CHST3
947	0.000	0.095	0.091	0.004	CD34
9470	0.205	-0.047	0.225	-0.010	EIF4E2
9472	0.000	0.002	0.020	-0.018	AKAP6
9473	-0.016	-0.154	-0.216	0.046	THEMIS2
9474	0.275	-0.106	0.299	-0.169	ATG5
9475	0.045	-0.910	-0.793	-0.073	ROCK2
9477	0.098	0.137	0.296	-0.061	MED20
9478	0.000	0.015	0.000	0.014	CABP1
9479	-0.089	0.057	-0.076	0.045	MAPK8IP1
948	-0.004	-3.195	-2.859	0.035	CD36

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
9480	0.000	0.141	0.003	0.139	ONECUT2
9482	-0.518	1.294	0.916	-0.140	STX8
9486	0.000	0.000	0.000	0.000	CHST10
9487	0.072	-0.302	-0.201	-0.028	PIGL
9488	-0.672	2.196	1.586	-0.062	PIGB
9489	0.304	-0.371	0.233	-0.299	PGS1
949	0.000	0.000	0.000	0.013	SCARB1
9491	-0.208	-0.123	-0.155	-0.176	PSMF1
9493	-0.264	-0.033	0.072	-0.369	KIF23
9495	0.000	0.127	0.000	0.127	AKAP5
9496	0.000	0.000	0.006	-0.006	TBX4
9497	0.074	-0.318	0.165	-0.208	SLC4A7
9498	-0.001	-0.005	-0.007	0.000	SLC4A8
9499	-0.040	0.196	-0.026	0.182	MYOT
950	-0.283	0.543	0.054	0.005	SCARB2
9500	-0.189	2.888	2.234	0.465	MAGED1
9501	0.023	0.216	0.100	0.139	RPH3AL
9506	0.000	0.020	0.003	0.016	PAGE4
9508	-0.103	2.826	1.912	0.811	ADAMTS3
9509	0.022	0.190	-0.011	0.224	ADAMTS2
951	0.024	-0.024	0.000	0.000	CD37
9510	0.402	-0.503	-0.461	0.360	ADAMTS1
9512	-0.068	-0.211	0.113	-0.393	PMPCB
9513	-0.150	0.141	-0.207	0.198	FXR2
9514	0.010	-0.010	-0.001	0.000	GAL3ST1
9515	0.049	0.099	0.000	0.148	STXBP5L
9516	0.231	-0.404	0.363	-0.536	LITAF
9517	0.202	-0.945	-0.398	-0.383	SPTLC2
9518	-0.682	-0.038	-0.635	-0.085	GDF15
9519	0.139	-1.103	-1.288	0.324	TBPL1
952	-0.014	-0.004	0.060	-0.079	CD38
9520	-0.176	0.174	0.592	-0.529	NPEPPS
9521	-0.104	0.073	0.518	-0.550	EEF1E1
9522	-0.178	0.549	0.800	-0.228	SCAMP1
9524	-0.130	1.425	1.726	-0.431	TECR
9525	0.322	-0.108	0.121	0.093	VPS4B
9526	-0.459	0.675	0.461	-0.246	MPDU1
9527	0.112	-1.070	-0.629	-0.433	GOSR1
9528	-0.395	1.099	1.127	-0.423	TMEM59
9529	0.378	-1.815	-0.817	-0.619	BAG5
953	0.433	-0.441	-0.126	-0.011	ENTPD1
9530	0.690	-0.965	-0.307	0.032	BAG4
9531	0.302	-1.866	-1.830	0.267	BAG3
9532	-0.151	-0.318	-0.635	0.166	BAG2
9533	0.101	-1.946	-1.802	-0.043	POLR1C

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
9534	-0.235	-0.748	-0.499	-0.484	ZNF254
9535	-0.123	-0.374	-0.615	0.119	GMFG
9536	0.788	-0.508	0.594	-0.313	PTGES
9537	0.000	0.000	-0.003	0.000	TP53I11
9538	-0.315	1.269	0.981	-0.027	EI24
954	0.000	0.010	0.000	0.010	ENTPD2
9540	-0.725	5.383	4.551	0.107	TP53I3
9541	-0.033	-1.063	-0.473	-0.623	CIR1
9542	0.034	-0.014	0.210	-0.190	NRG2
9545	-0.004	0.008	0.008	-0.004	RAB3D
9546	-0.058	-0.363	-0.758	0.338	APBA3
9547	1.268	2.533	2.085	1.716	CXCL14
955	0.048	-0.060	0.004	-0.016	ENTPD6
9550	-0.361	0.474	0.021	0.091	ATP6V1G1
9551	-0.060	0.943	0.727	0.156	ATP5J2
9552	0.051	0.618	0.716	-0.047	SPAG7
9553	-0.040	0.110	0.201	-0.131	MRPL33
9554	0.110	-0.254	-0.024	-0.120	SEC22B
9555	-0.262	1.327	1.126	0.128	H2AFY
9556	0.035	0.518	0.435	0.118	C14orf2
9557	-0.145	0.143	0.048	-0.051	CHD1L
9559	0.078	-0.317	-0.025	-0.214	VPS26A
956	-0.177	0.640	1.144	-0.681	ENTPD3
9562	-1.043	2.464	1.477	-0.056	MINPP1
9563	0.003	0.182	0.231	-0.045	H6PD
9567	-0.034	-0.087	-0.242	0.012	GTPBP1
9568	0.002	-0.002	0.024	-0.024	GABBR2
95681	-0.024	0.000	-0.024	0.000	CEP41
9569	-0.254	-0.398	-0.334	-0.318	GTF2IRD1
957	-0.251	0.211	-0.080	0.041	ENTPD5
9570	-0.092	-0.800	-0.698	-0.107	GOSR2
9573	0.000	0.005	0.022	-0.017	GDF3
9575	-0.071	0.192	0.500	-0.380	CLOCK
9576	0.139	-0.171	0.007	-0.039	SPAG6
9577	-0.237	0.346	0.119	0.091	BRE
9578	-0.239	0.429	-0.060	0.250	CDC42BPB
958	-0.131	-1.726	-2.071	0.117	CD40
9580	-0.138	0.678	0.637	-0.097	SOX13
9581	-0.424	0.202	0.269	-0.145	PREPL
9582	0.408	-2.128	-1.320	-0.400	APOBEC3B
9583	-0.097	0.363	0.455	-0.189	ENTPD4
9584	0.045	-0.780	-0.471	-0.264	RBM39
9585	-0.116	0.000	-0.055	-0.062	KIF20B
9586	-0.008	-1.703	-1.381	-0.331	CREB5
9587	0.123	-1.066	-1.406	0.463	MAD2L1BP

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
9588	0.134	-0.375	-0.156	-0.086	PRDX6
9589	0.611	-3.089	-2.556	0.078	WTAP
959	0.021	0.044	0.037	0.027	CD40LG
9590	0.322	-1.093	-0.883	0.112	AKAP12
9592	-0.272	-2.515	-2.843	0.057	IER2
9595	1.681	-3.688	-2.213	0.206	CYTIP
9597	0.000	0.000	0.000	0.000	SMAD5-AS1
960	0.024	0.016	-0.005	0.006	CD44
9600	0.100	-0.202	-0.154	0.052	PITPNM1
9601	0.177	0.399	0.830	-0.253	PDIA4
9603	-0.258	2.631	2.739	-0.365	NFE2L3
9604	-0.001	1.043	1.083	-0.040	RNF14
9605	-0.030	0.138	-0.019	0.127	C16orf7
9607	0.040	0.024	0.169	-0.104	CARTPT
9609	-0.004	0.002	0.105	-0.107	RAB36
961	0.026	-0.049	0.469	-0.475	CD47
9610	-0.016	0.153	0.235	-0.098	RIN1
9611	-0.143	0.137	0.144	-0.150	NCOR1
9612	-0.025	0.122	0.000	0.102	NCOR2
9616	-0.009	0.971	1.015	-0.054	RNF7
9617	-0.559	0.493	-0.212	0.146	MTRF1
9618	0.283	-1.489	-1.212	0.006	TRAF4
9619	0.381	0.197	0.399	0.180	ABCG1
962	1.187	-1.508	-0.387	0.066	CD48
9620	-0.243	0.000	0.000	0.000	CELSR1
9623	0.000	0.000	0.000	0.000	TCL1B
9625	0.059	-0.078	0.306	-0.325	AATK
9627	-0.063	0.384	0.052	0.270	SNCAIP
9628	0.004	-0.004	0.000	0.000	RGS6
9629	0.003	-0.003	0.006	-0.006	CLCA3P
963	1.930	-3.998	-1.989	-0.079	CD53
9630	0.000	0.131	0.080	0.051	GNA14
9631	-0.568	-0.436	-0.810	-0.193	NUP155
9632	-0.214	-0.151	-0.754	0.390	SEC24C
9633	0.000	0.029	0.052	-0.023	MTL5
9635	0.064	2.738	2.449	0.279	CLCA2
9636	-0.360	2.129	0.612	1.156	ISG15
9637	0.070	0.178	0.242	0.006	FEZ2
9638	-0.394	1.896	1.050	0.452	FEZ1
9639	0.166	-0.487	-0.351	0.029	ARHGEF10
9640	-0.008	-0.953	-0.766	-0.195	ZNF592
9641	0.036	0.328	0.799	-0.436	IKBKE
9643	0.128	-0.571	-0.841	0.398	MORF4L2
9644	0.174	0.435	0.633	-0.023	SH3PXD2A
9645	-0.790	0.269	-0.212	-0.048	MICAL2

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
9646	-0.074	-1.391	-1.203	-0.263	CTR9
9647	0.112	0.477	0.318	0.272	PPM1F
9648	-0.084	-0.390	0.172	-0.646	GCC2
9649	-0.002	0.270	0.286	-0.019	RALGPS1
965	0.122	1.662	1.778	-0.112	CD58
9650	-0.330	-0.024	-0.548	0.194	MTFR1
9651	-0.005	0.001	-0.005	0.001	PLCH2
9652	-0.220	2.112	2.123	-0.231	TTC37
9653	-0.079	1.071	1.340	-0.450	HS2ST1
9654	0.194	-1.294	-1.076	-0.024	TTLL4
9655	0.394	-1.478	-0.830	-0.368	SOCS5
9656	-0.159	0.199	-0.105	0.145	MDC1
9657	-0.192	-2.207	-2.578	0.180	IQCB1
9658	0.248	-0.593	-0.194	-0.150	ZNF516
9659	0.003	0.176	0.167	-0.009	PDE4DIP
966	-0.141	0.809	0.835	-0.019	CD59
9662	-0.098	0.036	-0.317	0.255	CEP135
96626	-0.051	0.004	-0.022	-0.025	LIMS3
9663	-0.074	-2.022	-2.094	-0.001	LPIN2
9665	-0.359	0.751	0.620	-0.228	KIAA0430
9666	0.000	0.305	0.156	0.112	DZIP3
9667	-0.020	-0.937	-0.908	-0.049	SAFB2
9668	0.422	-1.322	-0.857	-0.044	ZNF432
9669	-0.198	-0.065	0.003	-0.412	EIF5B
967	-0.173	0.385	0.346	-0.133	CD63
9670	0.237	0.053	0.379	-0.088	IPO13
9671	0.000	0.000	0.008	-0.008	WSCD2
9672	-0.483	1.405	0.336	0.585	SDC3
9673	-0.535	-0.556	-0.952	-0.138	SLC25A44
9674	0.202	-0.302	0.102	-0.201	KIAA0040
9675	-0.561	0.203	-0.153	-0.205	TTI1
96764	0.332	-1.680	-1.254	-0.094	TGS1
9677	-0.247	0.251	-0.188	0.193	PPIP5K1
9678	0.071	-0.178	-0.123	0.016	PHF14
9679	0.002	0.096	0.065	0.032	FAM53B
968	-0.231	-0.179	-0.410	0.000	CD68
9681	0.044	-0.016	0.072	-0.044	DEPDC5
9682	-0.109	0.011	0.449	-0.546	KDM4A
9683	0.235	-1.091	-0.543	-0.314	N4BP1
9684	-0.035	0.010	-0.070	0.044	LRRC14
9685	0.292	-1.684	-0.836	-0.555	CLINT1
9686	0.164	0.060	0.257	-0.033	VGLL4
9687	-0.005	0.000	-0.005	0.000	GREB1
9688	0.249	-0.461	-0.133	-0.079	NUP93
9689	-0.225	-1.018	-1.216	-0.027	BZW1

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
969	1.468	-2.755	-1.649	0.362	CD69
9690	-0.234	0.220	0.240	-0.253	UBE3C
9692	-0.256	0.767	0.551	-0.040	KIAA0391
9693	0.157	-0.402	-0.048	-0.308	RAPGEF2
9694	-0.082	0.858	0.818	-0.042	EMC2
9695	-0.186	0.333	0.461	-0.314	EDEM1
9696	0.044	-0.063	-0.016	-0.001	CROCC
9697	0.925	0.488	1.162	0.252	TRAM2
9698	-0.078	-0.440	-0.407	-0.115	PUM1
9699	-0.095	0.012	-0.093	0.010	RIMS2
97	0.341	2.105	2.573	-0.127	ACYP1
970	-0.156	0.074	-0.144	0.062	CD70
9700	-0.031	-0.100	-0.032	-0.100	ESPL1
9701	-0.170	0.204	0.165	-0.132	PPP6R2
9702	0.342	-0.122	0.672	-0.545	CEP57
9703	-0.115	1.045	1.073	-0.143	KIAA0100
9704	-0.002	-0.107	-0.145	0.003	DHX34
9705	0.002	-0.003	0.000	-0.001	ST18
9706	-0.135	0.698	0.425	-0.003	ULK2
9708	0.003	0.068	0.017	0.053	PCDHGA8
9709	0.470	-2.375	-1.909	0.005	HERPUD1
971	-0.005	0.143	0.011	0.127	CD72
9710	0.301	-2.135	-1.608	-0.226	KIAA0355
9711	-0.356	-0.663	-1.185	0.165	KIAA0226
9712	0.570	-0.407	0.520	-0.356	USP6NL
9715	0.000	0.033	0.089	-0.055	FAM131B
9716	-0.152	-0.058	-0.032	-0.178	AQR
9717	0.000	0.119	0.089	0.030	SEC14L5
9718	0.000	0.000	0.000	0.000	ECE2
9719	0.000	0.077	0.000	0.077	ADAMTSL2
972	0.153	-1.187	-1.485	0.451	CD74
9720	0.000	0.000	0.000	0.000	CCDC144A
9721	-0.069	0.147	0.022	0.056	GPRIN2
9722	0.000	0.301	0.227	0.074	NOS1AP
9723	-0.286	1.730	2.276	-0.831	SEMA3E
9724	0.339	-0.756	0.416	-0.834	UTP14C
9725	0.013	0.329	0.383	-0.122	TMEM63A
9726	-0.051	0.200	0.077	0.072	ZNF646
9727	-0.058	0.500	0.110	0.333	RAB11FIP3
9728	-0.077	0.986	1.254	-0.345	SECISBP2L
9729	0.000	0.000	0.000	0.000	KIAA0408
973	-0.001	-0.142	-0.143	0.000	CD79A
9730	-0.055	0.003	-0.095	0.043	VPRBP
9731	-0.176	0.360	0.519	-0.335	CEP104
9732	0.143	-0.582	-0.244	-0.194	DOCK4

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
9733	0.038	-1.959	-1.556	-0.269	SART3
9734	0.315	0.823	1.355	-0.218	HDAC9
9735	0.048	0.485	0.838	-0.305	KNTC1
9736	-0.052	0.108	-0.020	-0.053	USP34
9737	0.518	-1.580	-1.141	0.080	GPRASP1
9738	0.043	-0.750	-0.478	-0.229	CCP110
9739	0.249	-0.371	-0.049	-0.073	SETD1A
974	0.211	-0.251	-0.069	0.029	CD79B
9741	-0.225	0.322	0.164	-0.066	LAPTM4A
9742	0.000	0.157	0.189	-0.033	IFT140
9743	-0.041	1.399	2.389	-1.031	ARHGAP32
9744	0.010	-0.007	0.050	-0.047	ACAP1
9745	0.000	0.105	0.000	0.105	ZNF536
9746	-0.195	0.034	-0.216	0.055	CLSTN3
9747	0.025	0.570	0.588	-0.064	FAM115A
9748	0.299	-0.484	0.246	-0.431	SLK
9749	0.196	-0.499	0.090	-0.284	PHACTR2
975	0.203	1.225	1.405	0.023	CD81
9750	0.001	-0.106	-0.116	0.011	FAM65B
9751	0.438	0.522	1.283	-0.323	SNPH
9752	0.049	-0.053	0.009	-0.013	PCDHA9
9753	-0.131	-0.127	-0.367	0.109	ZSCAN12
9754	0.308	-0.567	-0.259	0.000	STARD8
9755	-0.088	0.003	-0.053	-0.032	TBKBP1
9757	-0.061	-0.004	-0.051	0.000	MLL4
9758	0.000	0.116	0.000	0.116	FRMPD4
9759	-0.017	0.350	0.788	-0.455	HDAC4
976	0.835	-0.596	0.413	-0.173	CD97
9760	0.103	-0.135	0.105	-0.137	TOX
9761	-0.049	1.010	1.098	-0.137	MLEC
9762	0.101	0.039	0.235	-0.096	PROSAP1P1
9764	-0.113	-0.230	-0.225	-0.118	KIAA0513
9765	0.014	0.905	1.236	-0.317	ZFYVE16
9766	0.341	-0.143	0.193	0.005	KIAA0247
9767	-0.638	-0.825	-1.348	-0.116	PHF16
9768	0.155	1.679	2.086	-0.252	KIAA0101
977	-0.620	2.650	1.556	0.474	CD151
9770	0.894	-3.163	-2.339	0.069	RASSF2
9771	0.541	-0.463	0.437	-0.359	RAPGEF5
9772	0.016	0.228	0.080	0.164	KIAA0195
9774	0.346	-1.074	-0.737	-0.226	BCLAF1
9775	0.179	-2.452	-2.370	0.096	EIF4A3
9776	0.271	-1.110	-1.062	-0.130	ATG13
9777	-0.141	-0.326	-0.772	0.305	TM9SF4
9778	0.203	-1.152	-0.839	-0.111	KIAA0232

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
9779	-0.276	1.010	1.133	-0.293	TBC1D5
978	-0.113	3.775	3.109	0.553	CDA
9780	-0.539	0.657	-0.455	0.573	PIEZO1
9781	0.190	0.022	0.137	0.075	RNF144A
9782	-0.083	-0.308	-0.492	0.047	MATR3
9783	0.006	0.300	0.348	-0.042	RIMS3
9784	-0.129	0.935	0.923	-0.117	SNX17
9785	-0.819	-1.049	-1.990	0.122	DHX38
9786	-0.138	0.334	0.209	-0.013	KIAA0586
9787	-0.017	0.476	0.464	-0.005	DLGAP5
9788	-0.115	-0.020	-0.168	0.000	MTSS1
9790	-0.129	-0.942	-0.543	-0.528	BMS1
9791	0.167	-0.249	-0.033	-0.050	PTDSS1
9792	0.157	-3.499	-2.756	-0.585	SERTAD2
9793	-0.086	0.115	0.406	-0.377	CKAP5
9794	0.010	-1.156	-0.964	-0.182	MAML1
9796	0.000	0.000	0.000	0.000	PHYHIP
9797	0.286	-1.373	-1.003	-0.083	TATDN2
9798	0.014	-0.871	-0.897	0.040	IST1
98	-0.166	2.130	1.610	0.354	ACYP2
9801	0.048	0.211	0.664	-0.405	MRPL19
9802	0.018	-0.512	-0.493	0.108	DAZAP2
9804	0.094	-0.296	0.122	-0.324	TOMM20
9805	-0.594	2.486	2.053	-0.161	SCRN1
9806	0.036	0.317	0.191	0.162	SPOCK2
9807	0.221	-1.356	-0.859	-0.276	IP6K1
9808	0.000	0.000	0.000	0.000	KIAA0087
9810	-0.135	-0.267	-0.435	0.033	RNF40
9811	0.025	0.216	0.008	0.234	CTIF
9812	-0.085	0.207	0.399	-0.278	KIAA0141
9813	-0.143	-0.311	-0.055	-0.399	KIAA0494
9814	-0.031	0.018	-0.014	0.015	SFI1
9815	-0.066	0.469	0.980	-0.578	GIT2
9816	0.504	-2.189	-1.884	0.200	URB2
9817	-0.272	-0.083	-0.547	0.192	KEAP1
9818	0.135	-2.328	-2.230	0.037	NUPL1
9819	-0.025	-0.852	-1.003	0.129	TSC22D2
9820	0.009	0.626	0.215	0.420	CUL7
9821	0.458	-1.647	-0.974	-0.215	RB1CC1
9823	0.242	0.129	0.560	-0.188	ARMCX2
9824	0.000	0.051	0.009	0.042	ARHGAP11A
9825	0.204	-2.005	-1.422	-0.380	SPATA2
9826	-0.089	0.337	0.203	0.045	ARHGEF11
9827	0.067	0.013	0.393	-0.313	RGP1
9828	-0.076	0.482	0.152	0.254	ARHGEF17

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
9829	0.112	-0.240	-0.079	-0.049	DNAJC6
983	0.184	0.934	1.665	-0.309	CDK1
9830	-0.065	1.021	1.214	-0.126	TRIM14
9831	0.045	0.302	0.415	-0.068	ZNF623
9832	0.001	-0.001	0.000	0.000	JAKMIP2
9833	0.397	1.364	2.316	-0.555	MELK
9834	0.005	0.049	0.013	0.041	KIAA0125
9836	-0.165	-0.144	-0.266	-0.044	LCMT2
9837	-0.111	0.924	0.836	-0.023	GINS1
9839	0.638	0.785	0.726	0.697	ZEB2
9840	0.000	0.000	0.013	-0.013	TESPA1
9841	-0.206	-0.331	-0.352	-0.185	ZBTB24
9842	0.100	-0.705	-0.395	-0.209	PLEKHM1
9843	0.084	2.955	2.679	0.360	HEPH
9844	0.003	-0.003	0.000	0.000	ELMO1
9846	0.542	-2.349	-1.693	-0.114	GAB2
9847	-0.449	2.388	2.251	-0.312	KIAA0528
9848	-0.017	0.136	0.003	0.066	MFAP3L
9849	0.086	0.256	0.188	0.154	ZNF518A
9851	-0.509	0.468	0.233	-0.274	KIAA0753
9852	-0.244	0.143	0.267	-0.367	EPM2AIP1
9853	0.051	-0.487	-0.614	0.178	RUSC2
9854	-0.222	0.167	-0.069	0.014	C2CD2L
9855	-0.125	0.066	-0.073	0.014	FARP2
9856	-0.001	0.000	0.005	-0.006	KIAA0319
9857	-0.005	-0.743	-0.217	-0.484	CEP350
9858	-0.748	0.851	0.167	-0.064	PPP1R26
9859	0.349	0.620	1.281	-0.313	CEP170
9860	-0.065	-0.294	-0.675	0.315	LRIG2
9861	-0.061	-0.665	-0.850	0.124	PSMD6
9862	0.050	-0.615	-0.306	-0.259	MED24
9863	0.012	0.091	0.008	0.095	MAGI2
9865	-0.157	0.804	0.449	0.198	TRIL
9866	-0.002	0.027	0.183	-0.159	TRIM66
9867	0.052	-0.415	-0.200	-0.163	PJA2
9868	-0.067	-0.772	-0.846	0.007	TOMM70A
9869	0.128	-0.248	-0.120	-0.001	SETDB1
987	-0.341	2.409	2.416	-0.347	LRBA
9870	-0.262	0.294	-0.011	0.043	KIAA0317
9871	0.147	-0.740	-0.361	-0.008	SEC24D
9873	0.172	-0.583	-0.307	-0.104	FCHSD2
9874	-0.073	0.281	0.024	0.152	TLK1
9875	0.123	-0.052	-0.007	0.000	URB1
9877	-0.040	-0.193	-0.144	-0.089	ZC3H11A
9878	0.019	-1.573	-1.283	-0.353	TOX4

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
9879	0.094	-0.024	0.342	-0.272	DDX46
988	0.020	-0.796	-0.756	-0.092	CDC5L
9880	0.086	-0.001	-0.014	0.098	ZBTB39
9881	0.004	-0.072	-0.068	0.000	TRANK1
9882	-0.386	0.081	-0.037	-0.268	TBC1D4
9883	-0.010	0.006	-0.026	0.022	POM121
9885	-0.043	-0.610	-0.386	-0.267	OSBPL2
9886	-0.116	0.913	0.977	-0.180	RHOBTB1
9887	0.077	-0.061	-0.070	0.050	SMG7
9889	0.195	-0.546	-0.506	0.155	ZBED4
989	-0.072	0.482	0.325	0.085	7-Sep
9890	0.000	0.152	0.178	-0.026	LPPR4
9891	0.547	1.862	2.636	-0.227	NUAK1
9892	0.010	-0.016	-0.006	0.000	SNAP91
9894	0.085	0.046	0.009	0.122	TELO2
9895	-0.266	1.344	1.169	-0.091	TECPR2
9896	-1.321	2.990	2.240	-0.570	FIG4
9897	-0.380	0.679	0.206	0.093	KIAA0196
9898	-0.051	-0.215	-0.413	0.205	UBAP2L
9899	0.000	0.000	0.000	0.000	SV2B
990	-0.036	-0.030	-0.096	0.030	CDC6
9900	0.001	-0.036	-0.037	0.003	SV2A
9901	0.000	0.268	0.337	-0.069	SRGAP3
9902	0.024	3.255	2.301	0.978	MRC2
9903	0.155	-2.861	-2.924	0.219	KLHL21
9904	-0.217	-0.421	-0.448	-0.191	RBM19
9905	-0.279	0.367	0.066	-0.144	SGSM2
9907	-0.395	-0.123	-0.562	0.044	AP5Z1
9908	0.060	-0.579	-1.037	0.008	G3BP2
9909	0.117	-1.378	-1.087	-0.173	DENND4B
991	-0.115	0.367	0.184	0.069	CDC20
9910	0.186	1.953	2.116	-0.327	RABGAP1L
9911	0.000	0.245	0.000	0.245	TMCC2
9912	0.050	-0.314	0.137	-0.400	ARHGAP44
9913	0.008	-0.516	-0.330	-0.299	SUPT7L
9914	0.087	-0.332	-0.241	-0.004	ATP2C2
9915	-0.377	1.922	2.366	-0.821	ARNT2
9917	0.124	-0.763	0.563	-1.202	FAM20B
9918	-0.223	0.243	0.436	-0.416	NCAPD2
9919	-0.155	-1.320	-1.331	-0.144	SEC16A
9920	-0.021	0.000	-0.002	-0.019	KBTBD11
9921	-0.050	-1.128	-1.098	-0.080	RNF10
9922	0.110	0.458	0.424	0.144	IQSEC1
9923	-0.415	0.033	-0.256	-0.126	ZBTB40
9924	-0.641	0.202	0.006	-0.445	PAN2

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
9925	0.110	-2.031	-1.683	-0.238	ZBTB5
9926	-0.304	1.140	0.982	-0.146	LPGAT1
9927	-0.186	-1.000	-1.144	-0.041	MFN2
9928	0.139	-0.070	0.259	-0.190	KIF14
9929	0.304	-1.510	-1.003	-0.203	JOSD1
993	-0.008	0.233	0.222	0.003	CDC25A
9931	-0.041	-1.189	-0.763	-0.468	HELZ
9933	0.023	-1.206	-1.114	-0.069	KIAA0020
9934	0.001	0.118	0.000	0.118	P2RY14
9935	0.687	-4.051	-3.432	0.068	MAFB
9936	-0.252	0.831	0.646	-0.067	CD302
9937	-0.007	0.250	0.254	-0.011	DCLRE1A
9938	0.141	-0.222	-0.167	0.087	ARHGAP25
9939	0.126	0.235	0.669	-0.310	RBM8A
994	-0.141	1.677	2.536	-1.000	CDC25B
9940	0.000	0.000	0.000	0.000	DLEC1
9941	0.000	0.099	0.272	-0.031	EXOG
9942	0.000	0.000	0.000	0.000	XYLB
9943	-0.010	-1.244	-1.536	0.283	OXSR1
9945	1.053	-3.307	-2.008	-0.246	GFPT2
9946	-0.365	1.102	1.223	-0.485	CRYZL1
9947	-0.976	0.000	-0.976	0.000	MAGEC1
9948	0.003	-0.072	-0.321	0.252	WDR1
9949	-0.574	1.737	1.370	-0.207	AMMECR1
995	0.000	0.106	0.001	0.106	CDC25C
9950	-0.015	0.395	0.649	-0.268	GOLGA5
9953	0.000	0.005	0.000	0.005	HS3ST3B1
9955	0.342	-0.314	0.605	-0.577	HS3ST3A1
9956	-0.205	-0.228	-0.255	-0.177	HS3ST2
9957	0.007	0.190	0.399	0.000	HS3ST1
9958	0.377	-0.593	-0.039	-0.176	USP15
996	0.151	-1.113	-0.647	-0.229	CDC27
9960	-0.269	-2.681	-2.173	-0.776	USP3
9961	-0.498	0.543	0.084	-0.039	MVP
9962	0.019	-0.004	0.045	-0.065	SLC23A2
9966	0.000	-0.002	0.128	-0.130	TNFSF15
9967	0.052	-0.400	-0.496	0.148	THRAP3
9968	-0.155	0.462	0.118	-0.030	MED12
9969	0.057	-0.293	0.002	-0.239	MED13
997	0.163	-0.267	-0.185	0.081	CDC34
9970	0.083	-0.083	0.023	-0.023	NR1I3
9971	0.018	0.271	0.000	0.288	NR1H4
9972	0.179	-2.814	-2.527	-0.108	NUP153
9973	-0.276	1.525	0.934	0.314	CCS
9975	-0.025	-2.590	-1.509	-1.106	NR1D2

gene_id	E(m) - E(wt)	T(m) - T(wt)	T(wt) - E(wt)	T(m) - T(wt)	symbol
9976	1.538	-4.819	-2.726	-0.556	CLEC2B
9978	-0.261	1.059	0.535	0.263	RBX1
998	0.392	-0.910	-0.422	0.019	CDC42
9980	-0.088	0.140	0.326	-0.273	DOPEY2
9982	2.035	-1.036	1.821	-0.821	FGFBP1
9984	-0.189	0.086	-0.079	-0.024	THOC1
9985	0.000	0.207	0.090	0.117	REC8
9986	-0.053	-0.080	-0.167	0.034	RCE1
9987	0.000	-0.722	-0.567	-0.007	HNRPDL
9988	0.128	-0.043	0.254	-0.169	DMTF1
9989	0.304	-0.665	-0.312	-0.049	PPP4R1
999	-0.286	-0.451	-0.805	0.068	CDH1
9990	-0.296	0.025	-0.398	0.127	SLC12A6
9991	0.196	-1.167	-1.203	0.137	PTBP3
9992	0.000	0.000	0.000	0.000	KCNE2
9993	-0.202	0.897	0.653	0.041	DGCR2
9994	-0.233	1.045	0.773	0.039	CASP8AP2
9997	0.263	-0.067	-0.016	0.212	SCO2