

Table S1. The whole list of aberrantly expressed genes in KLF16-knockdown HGC-27 cells

gene_id	sample_1	sample_2	status	value_1	value_2	log2(fold_change)	p_value
TRIM74	HGC_27con	HGC_27004	OK	1.3315	0.0012	-10.1141	0.084
MIR922	HGC_27con	HGC_27004	OK	180.071	1.69403	-6.73196	0.2722
CDH13	HGC_27con	HGC_27004	OK	1.53919	0.01799	-6.41856	0.0364
SYNJ2BP-COX16	HGC_27con	HGC_27004	NOTEST	0.06136	0.00072	-6.41784	1
KCNJ18	HGC_27con	HGC_27004	NOTEST	0.06454	0.00103	-5.9746	1
HSPB3	HGC_27con	HGC_27004	OK	2.71351	0.09629	-4.81666	0.1459
DAAM2	HGC_27con	HGC_27004	NOTEST	0.11471	0.00448	-4.67699	1
HEPH	HGC_27con	HGC_27004	NOTEST	0.18572	0.00768	-4.59597	1
FHL1	HGC_27con	HGC_27004	OK	3.36725	0.18255	-4.20523	0.0003
UNC5A	HGC_27con	HGC_27004	NOTEST	0.18569	0.0112	-4.05112	1
PCDHGC4	HGC_27con	HGC_27004	NOTEST	0.22626	0.01401	-4.01358	1
CACNA1C	HGC_27con	HGC_27004	NOTEST	0.14456	0.00919	-3.9757	1
ABCC11	HGC_27con	HGC_27004	NOTEST	0.10615	0.00683	-3.9583	1
OMD	HGC_27con	HGC_27004	OK	1.20862	0.08386	-3.84928	0.3364
LY6G5C	HGC_27con	HGC_27004	OK	0.95237	0.07225	-3.72049	0.0097
CNN1	HGC_27con	HGC_27004	NOTEST	0.24762	0.01908	-3.69814	1
PCP4	HGC_27con	HGC_27004	OK	4.37455	0.35828	-3.60997	0.0125
CXCL14	HGC_27con	HGC_27004	OK	0.72444	0.05948	-3.60649	0.0755
KLHL38	HGC_27con	HGC_27004	NOTEST	0.1965	0.01676	-3.55158	1
TAGLN	HGC_27con	HGC_27004	OK	19.3275	1.66417	-3.53778	0.0116
EGR2	HGC_27con	HGC_27004	NOTEST	0.15288	0.01329	-3.5242	1
BTN1A1	HGC_27con	HGC_27004	NOTEST	0.11393	0.00991	-3.52305	1
C17orf82	HGC_27con	HGC_27004	OK	0.3994	0.03509	-3.50889	0.0113
ITGBL1	HGC_27con	HGC_27004	NOTEST	0.28534	0.02548	-3.48542	1
OVCH1-AS1	HGC_27con	HGC_27004	OK	0.44375	0.04	-3.47184	0.0968
LOC101927196	HGC_27con	HGC_27004	OK	0.44537	0.04074	-3.45058	0.3922
DAB2	HGC_27con	HGC_27004	OK	0.33535	0.03084	-3.44299	0.0338
YPEL3	HGC_27con	HGC_27004	OK	1.59958	0.15158	-3.39957	0.0243
ABCA4	HGC_27con	HGC_27004	NOTEST	0.04442	0.0043	-3.3684	1
INSRR	HGC_27con	HGC_27004	NOTEST	0.18519	0.01806	-3.35782	1
DOK7	HGC_27con	HGC_27004	OK	0.36856	0.03614	-3.35031	0.0565
KRT4	HGC_27con	HGC_27004	OK	1.16762	0.11459	-3.34908	0.0085
BHMT2	HGC_27con	HGC_27004	NOTEST	0.12483	0.01228	-3.34531	1
SARDH	HGC_27con	HGC_27004	NOTEST	0.10852	0.0109	-3.31539	1
THEG	HGC_27con	HGC_27004	NOTEST	0.21872	0.02229	-3.29482	1
ACTA2	HGC_27con	HGC_27004	OK	55.2201	5.73194	-3.2681	5E-05
IGSF22	HGC_27con	HGC_27004	NOTEST	0.05578	0.00588	-3.24551	1
DRC7	HGC_27con	HGC_27004	NOTEST	0.08224	0.00888	-3.21191	1
ACTG2	HGC_27con	HGC_27004	OK	4.23931	0.45878	-3.20796	0.0015
LOC101927043	HGC_27con	HGC_27004	OK	0.36673	0.04009	-3.19325	0.0996
LOC91450	HGC_27con	HGC_27004	OK	0.79508	0.08695	-3.1928	0.1467
RLBP1	HGC_27con	HGC_27004	OK	0.46702	0.05113	-3.19128	0.077
ZFP42	HGC_27con	HGC_27004	NOTEST	0.12302	0.01372	-3.1645	1
BEAN1	HGC_27con	HGC_27004	NOTEST	0.11859	0.0139	-3.09288	1
HRC	HGC_27con	HGC_27004	NOTEST	0.05773	0.00677	-3.09261	1
PLIN1	HGC_27con	HGC_27004	NOTEST	0.11604	0.01368	-3.08447	1
ABHD11-AS1	HGC_27con	HGC_27004	OK	1.8439	0.21992	-3.06775	0.1489
SERPINE1	HGC_27con	HGC_27004	NOTEST	0.16298	0.01948	-3.06432	1
SFTPB	HGC_27con	HGC_27004	NOTEST	0.10834	0.01306	-3.05173	1
SNORA25	HGC_27con	HGC_27004	OK	29.7238	3.73311	-2.99317	0.0215
MUC13	HGC_27con	HGC_27004	NOTEST	0.09193	0.01158	-2.98886	1

NEU4	HGC_27con	HGC_27004	NOTEST	0.17336	0.02204	-2.97551	1
PROK1	HGC_27con	HGC_27004	OK	0.76609	0.09817	-2.96418	0.0821
CFP	HGC_27con	HGC_27004	NOTEST	0.1813	0.02355	-2.94482	1
LOC102724301	HGC_27con	HGC_27004	OK	0.65549	0.08747	-2.90572	0.0261
TINAGL1	HGC_27con	HGC_27004	OK	1.45652	0.19495	-2.90137	0.0065
MFAP5	HGC_27con	HGC_27004	OK	1.01889	0.13684	-2.89646	0.0025
SALL3	HGC_27con	HGC_27004	NOTEST	0.25114	0.03424	-2.8748	1
MYCBPAP	HGC_27con	HGC_27004	NOTEST	0.06172	0.00843	-2.87157	1
ANO2	HGC_27con	HGC_27004	NOTEST	0.05562	0.00765	-2.8624	1
BTBD18	HGC_27con	HGC_27004	NOTEST	0.05633	0.00781	-2.85037	1
HSD17B2	HGC_27con	HGC_27004	OK	6.26522	0.86938	-2.84931	0.0003
LOC401127	HGC_27con	HGC_27004	NOTEST	0.14663	0.02057	-2.83321	1
C3	HGC_27con	HGC_27004	NOTEST	0.28301	0.03973	-2.83264	1
PDPN	HGC_27con	HGC_27004	NOTEST	0.19622	0.0282	-2.7988	1
PDE6C	HGC_27con	HGC_27004	NOTEST	0.06545	0.00943	-2.79479	1
FOXN1	HGC_27con	HGC_27004	NOTEST	0.20122	0.02907	-2.79096	1
SSMEM1	HGC_27con	HGC_27004	NOTEST	0.16907	0.02449	-2.78766	1
APOD	HGC_27con	HGC_27004	OK	0.58529	0.08525	-2.77934	0.0892
TNNC1	HGC_27con	HGC_27004	OK	6.4296	0.94282	-2.76968	0.0009
PPP1R2P3	HGC_27con	HGC_27004	NOTEST	0.12019	0.01765	-2.76781	1
KRT85	HGC_27con	HGC_27004	NOTEST	0.12075	0.01781	-2.76087	1
NPY1R	HGC_27con	HGC_27004	NOTEST	0.09007	0.01334	-2.75515	1
LOC101060553	HGC_27con	HGC_27004	NOTEST	0.05932	0.00879	-2.75483	1
RARRES3	HGC_27con	HGC_27004	OK	1.35719	0.20121	-2.75385	0.0588
UGT1A6	HGC_27con	HGC_27004	NOTEST	0.17851	0.02668	-2.74228	1
FAM27C	HGC_27con	HGC_27004	OK	0.33264	0.04986	-2.73787	0.0367
LINC00899	HGC_27con	HGC_27004	NOTEST	0.24372	0.03674	-2.72994	1
ZDHHC8P1	HGC_27con	HGC_27004	NOTEST	0.11708	0.01804	-2.69833	1
TRPV6	HGC_27con	HGC_27004	NOTEST	0.0731	0.01134	-2.6887	1
IGSF5	HGC_27con	HGC_27004	OK	0.4977	0.07763	-2.68062	0.0352
ZNF396	HGC_27con	HGC_27004	NOTEST	0.13297	0.02084	-2.67402	1
CFAP221	HGC_27con	HGC_27004	NOTEST	0.09408	0.01477	-2.67122	1
SRRM4	HGC_27con	HGC_27004	OK	0.48403	0.07622	-2.66677	0.0011
SUSD3	HGC_27con	HGC_27004	OK	0.33786	0.05338	-2.66198	0.1068
TGFA	HGC_27con	HGC_27004	NOTEST	0.15564	0.02463	-2.6599	1
CYP51A1-AS1	HGC_27con	HGC_27004	NOTEST	0.08788	0.01417	-2.63252	1
CAPN13	HGC_27con	HGC_27004	NOTEST	0.07032	0.01136	-2.62998	1
LINC00167	HGC_27con	HGC_27004	NOTEST	0.07928	0.01294	-2.61474	1
FABP5P3	HGC_27con	HGC_27004	NOTEST	0.24578	0.04022	-2.61128	1
SAMD12	HGC_27con	HGC_27004	OK	0.76724	0.1258	-2.6086	0.0005
FAM153C	HGC_27con	HGC_27004	NOTEST	0.14987	0.02458	-2.60819	1
CTD-2201118.1	HGC_27con	HGC_27004	NOTEST	0.14782	0.02455	-2.59036	1
NTN4	HGC_27con	HGC_27004	NOTEST	0.27502	0.04581	-2.58595	1
DGUOK-AS1	HGC_27con	HGC_27004	OK	0.6842	0.11408	-2.58443	0.5001
CAPN3	HGC_27con	HGC_27004	OK	0.84635	0.14131	-2.58238	0.0035
DKK3	HGC_27con	HGC_27004	NOTEST	0.28503	0.0476	-2.58225	1
OTX2-AS1	HGC_27con	HGC_27004	NOTEST	0.21935	0.03707	-2.56497	1
OR8G5	HGC_27con	HGC_27004	NOTEST	0.3143	0.05319	-2.56305	1
LOC100505817	HGC_27con	HGC_27004	NOTEST	0.15464	0.02625	-2.55863	1
LOC101927211	HGC_27con	HGC_27004	OK	0.46766	0.07967	-2.55327	0.5156
MYLK2	HGC_27con	HGC_27004	NOTEST	0.11917	0.02031	-2.55262	1
FOLR1	HGC_27con	HGC_27004	OK	19.717	3.37158	-2.54795	5E-05
TEX21P	HGC_27con	HGC_27004	NOTEST	0.1537	0.02647	-2.53771	1
H19	HGC_27con	HGC_27004	OK	0.6066	0.10543	-2.52446	0.0301

ST8SIA4	HGC_27con	HGC_27004	NOTEST	0.03374	0.00587	-2.52307	1
HPX	HGC_27con	HGC_27004	NOTEST	0.22615	0.03935	-2.52284	1
SGCA	HGC_27con	HGC_27004	OK	1.45916	0.2553	-2.51489	0.0287
CNRIP1	HGC_27con	HGC_27004	OK	0.8776	0.1561	-2.49106	0.0194
SLC25A27	HGC_27con	HGC_27004	NOTEST	0.19517	0.03474	-2.49008	1
HHIPL1	HGC_27con	HGC_27004	NOTEST	0.06173	0.01106	-2.48108	1
EGR1	HGC_27con	HGC_27004	OK	16.4222	2.96795	-2.46811	5E-05
HAR1A	HGC_27con	HGC_27004	NOTEST	0.09038	0.01634	-2.46794	1
IFFO1	HGC_27con	HGC_27004	NOTEST	0.28517	0.05184	-2.4598	1
LOC115110	HGC_27con	HGC_27004	NOTEST	0.0322	0.00587	-2.45553	1
TMEM191B	HGC_27con	HGC_27004	NOTEST	0.18531	0.03385	-2.45268	1
PTCHD2	HGC_27con	HGC_27004	NOTEST	0.04541	0.00831	-2.44998	1
SIGLEC16	HGC_27con	HGC_27004	NOTEST	0.10084	0.01847	-2.44898	1
CPLX3	HGC_27con	HGC_27004	NOTEST	0.07442	0.01379	-2.43222	1
MFNG	HGC_27con	HGC_27004	NOTEST	0.11203	0.02078	-2.4309	1
SPTLC3	HGC_27con	HGC_27004	NOTEST	0.08664	0.01608	-2.42949	1
ENPP2	HGC_27con	HGC_27004	OK	5.50938	1.02821	-2.42175	5E-05
LINGO4	HGC_27con	HGC_27004	OK	0.39263	0.07329	-2.42155	0.0477
C21orf62-AS1	HGC_27con	HGC_27004	OK	0.55331	0.10339	-2.41993	0.2609
COL5A3	HGC_27con	HGC_27004	NOTEST	0.16768	0.03135	-2.41902	1
LOC101928855	HGC_27con	HGC_27004	NOTEST	0.05535	0.01038	-2.41435	1
PPP1R1A	HGC_27con	HGC_27004	NOTEST	0.16536	0.03106	-2.41261	1
MROH2A	HGC_27con	HGC_27004	NOTEST	0.05838	0.01103	-2.40447	1
GRIK3	HGC_27con	HGC_27004	OK	0.86364	0.16317	-2.40405	0.0002
ARHGAP8	HGC_27con	HGC_27004	NOTEST	0.13168	0.02491	-2.40241	1
C1orf127	HGC_27con	HGC_27004	OK	0.36991	0.07081	-2.38509	0.0414
PAX7	HGC_27con	HGC_27004	OK	1.69585	0.32477	-2.3845	0.0001
SLC4A9	HGC_27con	HGC_27004	NOTEST	0.05967	0.01145	-2.38217	1
TRIM67	HGC_27con	HGC_27004	NOTEST	0.02237	0.00429	-2.38164	1
CFAP52	HGC_27con	HGC_27004	NOTEST	0.07202	0.0139	-2.3733	1
NEUROD2	HGC_27con	HGC_27004	NOTEST	0.25762	0.04975	-2.37248	1
SMC5-AS1	HGC_27con	HGC_27004	NOTEST	0.20716	0.04003	-2.37155	1
TTC39C-AS1	HGC_27con	HGC_27004	NOTEST	0.17769	0.03464	-2.35895	1
DUSP10	HGC_27con	HGC_27004	NOTEST	0.20615	0.04031	-2.35449	1
MFAP2	HGC_27con	HGC_27004	NOTEST	0.2453	0.04799	-2.35387	1
SPON1	HGC_27con	HGC_27004	NOTEST	0.09384	0.01838	-2.35198	1
LOC554206	HGC_27con	HGC_27004	OK	0.83202	0.16406	-2.34237	0.0774
CDRT1	HGC_27con	HGC_27004	NOTEST	0.0511	0.01009	-2.34054	1
LINC01193	HGC_27con	HGC_27004	NOTEST	0.049	0.00968	-2.33996	1
FOS	HGC_27con	HGC_27004	OK	15.0252	2.97353	-2.33713	5E-05
OR7E12P	HGC_27con	HGC_27004	NOTEST	0.194	0.03846	-2.33454	1
NEDD9	HGC_27con	HGC_27004	NOTEST	0.23618	0.04685	-2.33383	1
LOC100128573	HGC_27con	HGC_27004	OK	0.45532	0.0904	-2.33243	0.0534
C16orf47	HGC_27con	HGC_27004	NOTEST	0.15437	0.0307	-2.33005	1
ZMYND12	HGC_27con	HGC_27004	NOTEST	0.12732	0.0254	-2.32568	1
ALOX15B	HGC_27con	HGC_27004	NOTEST	0.07416	0.01481	-2.32362	1
ACVRL1	HGC_27con	HGC_27004	NOTEST	0.11934	0.02388	-2.32101	1
FAT3	HGC_27con	HGC_27004	NOTEST	0.00803	0.00161	-2.31865	1
TLX2	HGC_27con	HGC_27004	NOTEST	0.21888	0.044	-2.31468	1
EFCAB6	HGC_27con	HGC_27004	NOTEST	0.05709	0.01148	-2.31409	1
LOC101929563	HGC_27con	HGC_27004	NOTEST	0.02709	0.00548	-2.30621	1
C11orf65	HGC_27con	HGC_27004	NOTEST	0.13151	0.02672	-2.29925	1
SNORA51	HGC_27con	HGC_27004	OK	23.137	4.70705	-2.29731	0.4901
C8orf34-AS1	HGC_27con	HGC_27004	NOTEST	0.15914	0.0324	-2.29603	1

ZMYND15	HGC_27con	HGC_27004	NOTEST	0.11653	0.02374	-2.29533	1
RGS14	HGC_27con	HGC_27004	NOTEST	0.14639	0.02984	-2.29466	1
CLIC3	HGC_27con	HGC_27004	OK	8.99233	1.8429	-2.28672	0.0038
SKOR1	HGC_27con	HGC_27004	NOTEST	0.12411	0.02547	-2.28479	1
FLJ41200	HGC_27con	HGC_27004	NOTEST	0.07056	0.01453	-2.27953	1
CTNNA2	HGC_27con	HGC_27004	NOTEST	0.06931	0.01429	-2.2778	1
LOC729950	HGC_27con	HGC_27004	NOTEST	0.14012	0.02894	-2.27543	1
HVCN1	HGC_27con	HGC_27004	NOTEST	0.27531	0.05699	-2.27233	1
RADIL	HGC_27con	HGC_27004	NOTEST	0.1683	0.03498	-2.26637	1
EVA1A	HGC_27con	HGC_27004	OK	0.52369	0.10951	-2.25772	0.0565
TLR1	HGC_27con	HGC_27004	NOTEST	0.06181	0.01295	-2.25523	1
GABRD	HGC_27con	HGC_27004	NOTEST	0.31312	0.06562	-2.25462	1
CSE1L-AS1	HGC_27con	HGC_27004	OK	0.47038	0.09892	-2.24954	0.2468
CLDN1	HGC_27con	HGC_27004	OK	0.36725	0.07784	-2.23818	0.0507
SSTR5-AS1	HGC_27con	HGC_27004	NOTEST	0.17066	0.03622	-2.23612	1
LOC101927237	HGC_27con	HGC_27004	NOTEST	0.08188	0.01746	-2.22961	1
ODF3L2	HGC_27con	HGC_27004	OK	0.99874	0.216	-2.20907	0.0374
GCOM1	HGC_27con	HGC_27004	NOTEST	0.06062	0.01312	-2.20833	1
DOK5	HGC_27con	HGC_27004	NOTEST	0.18796	0.04126	-2.18773	1
ENDOU	HGC_27con	HGC_27004	NOTEST	0.17816	0.03927	-2.18162	1
ISLR2	HGC_27con	HGC_27004	OK	0.78917	0.17407	-2.1807	0.0059
LIMS2	HGC_27con	HGC_27004	OK	1.78754	0.39505	-2.17788	0.0056
PITX3	HGC_27con	HGC_27004	NOTEST	0.21486	0.04768	-2.17188	1
C14orf180	HGC_27con	HGC_27004	OK	0.51926	0.11594	-2.16313	0.0314
CACNA1D	HGC_27con	HGC_27004	OK	0.70785	0.15824	-2.16129	0.0023
ADGRE2	HGC_27con	HGC_27004	NOTEST	0.30838	0.06896	-2.1608	1
MYOM1	HGC_27con	HGC_27004	NOTEST	0.10662	0.02395	-2.15413	1
IFITM5	HGC_27con	HGC_27004	OK	0.35484	0.07995	-2.15	0.1014
FITM1	HGC_27con	HGC_27004	OK	0.4357	0.09834	-2.14752	0.2051
DES	HGC_27con	HGC_27004	OK	0.88161	0.19927	-2.14542	0.0135
NHLRC4	HGC_27con	HGC_27004	NOTEST	0.25294	0.0572	-2.14478	1
GAL3ST1	HGC_27con	HGC_27004	NOTEST	0.13931	0.03169	-2.13601	1
NEK10	HGC_27con	HGC_27004	OK	0.998	0.22854	-2.1266	0.0025
PLEKHG6	HGC_27con	HGC_27004	NOTEST	0.08982	0.02057	-2.12628	1
OTOP2	HGC_27con	HGC_27004	NOTEST	0.09812	0.02248	-2.12615	1
EPPK1	HGC_27con	HGC_27004	NOTEST	0.03893	0.00894	-2.12319	1
UPK2	HGC_27con	HGC_27004	NOTEST	0.22981	0.05278	-2.12227	1
DNAH2	HGC_27con	HGC_27004	NOTEST	0.08452	0.01945	-2.11981	1
RAB40AL	HGC_27con	HGC_27004	NOTEST	0.15665	0.03604	-2.11973	1
UPK1A	HGC_27con	HGC_27004	NOTEST	0.15704	0.03615	-2.11911	1
THPO	HGC_27con	HGC_27004	NOTEST	0.28258	0.06519	-2.11598	1
CSTA	HGC_27con	HGC_27004	OK	1.16265	0.26874	-2.11315	0.0719
NAPSA	HGC_27con	HGC_27004	OK	0.3751	0.08676	-2.11215	0.1388
SGK2	HGC_27con	HGC_27004	NOTEST	0.07113	0.01656	-2.10284	1
NPAS4	HGC_27con	HGC_27004	NOTEST	0.04659	0.01085	-2.10207	1
ELFN2	HGC_27con	HGC_27004	OK	0.55026	0.12824	-2.10132	0.0079
SLC38A5	HGC_27con	HGC_27004	NOTEST	0.08248	0.01923	-2.10083	1
PRRX2-AS1	HGC_27con	HGC_27004	OK	0.68537	0.16	-2.09882	0.5593
LOC100506804	HGC_27con	HGC_27004	NOTEST	0.31375	0.07327	-2.09836	1
PIFO	HGC_27con	HGC_27004	NOTEST	0.06674	0.0156	-2.09722	1
TRIM29	HGC_27con	HGC_27004	OK	1.0513	0.24626	-2.09393	0.0069
MCHR1	HGC_27con	HGC_27004	NOTEST	0.06399	0.015	-2.09286	1
CHRN4	HGC_27con	HGC_27004	NOTEST	0.07267	0.01705	-2.09154	1
OLIG3	HGC_27con	HGC_27004	NOTEST	0.15606	0.03666	-2.08994	1

SLC25A41	HGC_27con	HGC_27004	NOTEST	0.11065	0.02602	-2.08811	1
PCDHA7	HGC_27con	HGC_27004	OK	0.5776	0.1367	-2.07903	0.3641
KRT80	HGC_27con	HGC_27004	NOTEST	0.03611	0.00855	-2.07768	1
KCNIP1	HGC_27con	HGC_27004	NOTEST	0.06875	0.01633	-2.0735	1
FAM19A3	HGC_27con	HGC_27004	NOTEST	0.13118	0.03123	-2.07045	1
TCIRG1	HGC_27con	HGC_27004	OK	0.59946	0.14297	-2.06795	0.0406
SNORD88C	HGC_27con	HGC_27004	OK	73.5032	17.5464	-2.06664	0.5187
EFCAB12	HGC_27con	HGC_27004	NOTEST	0.06221	0.01485	-2.06627	1
SCNN1A	HGC_27con	HGC_27004	OK	0.54428	0.13021	-2.06348	0.0194
MOG	HGC_27con	HGC_27004	NOTEST	0.07902	0.01898	-2.05734	1
LOC101929125	HGC_27con	HGC_27004	OK	0.41016	0.09897	-2.05113	0.2081
LOC100506860	HGC_27con	HGC_27004	OK	0.44076	0.10648	-2.04938	0.2081
SRL	HGC_27con	HGC_27004	NOTEST	0.03231	0.00781	-2.04875	1
GP5	HGC_27con	HGC_27004	NOTEST	0.05903	0.01428	-2.04704	1
KLHL10	HGC_27con	HGC_27004	NOTEST	0.06659	0.01614	-2.04423	1
CYP4F11	HGC_27con	HGC_27004	OK	0.33147	0.08042	-2.04332	0.0442
COL28A1	HGC_27con	HGC_27004	NOTEST	0.02647	0.00642	-2.04301	1
LOC284865	HGC_27con	HGC_27004	NOTEST	0.05314	0.01289	-2.04296	1
PCDHGB5	HGC_27con	HGC_27004	NOTEST	0.06043	0.01468	-2.04167	1
IL21-AS1	HGC_27con	HGC_27004	OK	1.09546	0.26615	-2.04123	0.004
IGFALS	HGC_27con	HGC_27004	OK	0.44339	0.10777	-2.04063	0.0863
FRMPD2B	HGC_27con	HGC_27004	NOTEST	0.22094	0.05372	-2.04015	1
GFY	HGC_27con	HGC_27004	NOTEST	0.11536	0.02805	-2.04003	1
LRRC15	HGC_27con	HGC_27004	NOTEST	0.19634	0.04779	-2.0387	1
HPDL	HGC_27con	HGC_27004	OK	0.49615	0.12086	-2.03739	0.0783
LINC00887	HGC_27con	HGC_27004	NOTEST	0.10697	0.02608	-2.03606	1
TBC1D22A-AS1	HGC_27con	HGC_27004	NOTEST	0.07695	0.01882	-2.03149	1
PHACTR3	HGC_27con	HGC_27004	NOTEST	0.04492	0.01101	-2.0288	1
HSPA6	HGC_27con	HGC_27004	NOTEST	0.22705	0.05564	-2.02879	1
CYP2E1	HGC_27con	HGC_27004	NOTEST	0.08208	0.02013	-2.02758	1
LOC339666	HGC_27con	HGC_27004	NOTEST	0.08535	0.02096	-2.02558	1
PAK3	HGC_27con	HGC_27004	NOTEST	0.03719	0.00917	-2.02022	1
BNC1	HGC_27con	HGC_27004	NOTEST	0.05305	0.0131	-2.01759	1
LINC01239	HGC_27con	HGC_27004	NOTEST	0.03706	0.00917	-2.01459	1
MPP4	HGC_27con	HGC_27004	NOTEST	0.04737	0.01174	-2.01311	1
DYNC111	HGC_27con	HGC_27004	NOTEST	0.03988	0.00991	-2.00892	1
TMC1	HGC_27con	HGC_27004	NOTEST	0.03148	0.00782	-2.0089	1
CATSPERD	HGC_27con	HGC_27004	NOTEST	0.05721	0.01423	-2.00719	1
MBP	HGC_27con	HGC_27004	NOTEST	0.02903	0.00725	-2.00206	1
PCDH15	HGC_27con	HGC_27004	NOTEST	0.01677	0.0042	-1.99923	1
CSGALNACT1	HGC_27con	HGC_27004	NOTEST	0.02996	0.00751	-1.99664	1
ADAMTS6	HGC_27con	HGC_27004	NOTEST	0.10173	0.02563	-1.98869	1
NOS2	HGC_27con	HGC_27004	NOTEST	0.11238	0.02834	-1.98747	1
KRT42P	HGC_27con	HGC_27004	NOTEST	0.12176	0.03087	-1.97979	1
CD84	HGC_27con	HGC_27004	NOTEST	0.01597	0.00405	-1.97971	1
GBP3	HGC_27con	HGC_27004	NOTEST	0.03348	0.00851	-1.97681	1
VIT	HGC_27con	HGC_27004	OK	0.39645	0.10079	-1.97577	0.0616
ISLR	HGC_27con	HGC_27004	OK	0.90132	0.22997	-1.97061	0.0233
FRMD3	HGC_27con	HGC_27004	NOTEST	0.07137	0.01829	-1.96411	1
RAB37	HGC_27con	HGC_27004	NOTEST	0.14605	0.03746	-1.96307	1
ENPP3	HGC_27con	HGC_27004	NOTEST	0.04216	0.01082	-1.96254	1
SNORA15	HGC_27con	HGC_27004	OK	20.9082	5.37738	-1.95909	0.5258
C5orf64	HGC_27con	HGC_27004	NOTEST	0.04764	0.01226	-1.95813	1
ZNF860	HGC_27con	HGC_27004	NOTEST	0.03758	0.00967	-1.95782	1

TOMM20L	HGC_27con	HGC_27004	OK	0.82309	0.21403	-1.94321	0.5828
CFAP54	HGC_27con	HGC_27004	NOTEST	0.01194	0.00311	-1.93954	1
CPNE8	HGC_27con	HGC_27004	NOTEST	0.07609	0.01984	-1.93936	1
LINC01220	HGC_27con	HGC_27004	OK	0.8298	0.21701	-1.93502	0.2456
EPHX3	HGC_27con	HGC_27004	NOTEST	0.19259	0.05045	-1.93273	1
LOC90246	HGC_27con	HGC_27004	OK	1.2592	0.33006	-1.93169	0.0047
SERPING1	HGC_27con	HGC_27004	OK	1.24356	0.32646	-1.9295	0.0162
CDKL4	HGC_27con	HGC_27004	NOTEST	0.08343	0.02191	-1.92923	1
LYPLA2P2	HGC_27con	HGC_27004	NOTEST	0.18959	0.04996	-1.92397	1
P2RX6	HGC_27con	HGC_27004	OK	0.43889	0.11711	-1.90599	0.0422
YBX2	HGC_27con	HGC_27004	OK	0.40636	0.10866	-1.90293	0.1
MAP3K7CL	HGC_27con	HGC_27004	NOTEST	0.18537	0.04961	-1.9016	1
CCDC96	HGC_27con	HGC_27004	NOTEST	0.29829	0.07996	-1.8994	1
C5AR1	HGC_27con	HGC_27004	OK	0.41343	0.11181	-1.8866	0.071
TONSL-AS1	HGC_27con	HGC_27004	OK	0.88628	0.24108	-1.87825	0.4841
DPYSL4	HGC_27con	HGC_27004	NOTEST	0.1481	0.0403	-1.87779	1
PALMD	HGC_27con	HGC_27004	OK	0.90506	0.24735	-1.87147	0.1301
JPH2	HGC_27con	HGC_27004	OK	2.77162	0.75785	-1.87075	0.0009
PHOSPHO1	HGC_27con	HGC_27004	OK	1.93845	0.53032	-1.86998	0.0078
LOC101927204	HGC_27con	HGC_27004	NOTEST	0.17571	0.04821	-1.86593	1
PCAT2	HGC_27con	HGC_27004	NOTEST	0.29309	0.08052	-1.86399	1
LINC00933	HGC_27con	HGC_27004	NOTEST	0.14955	0.04109	-1.86378	1
SOST	HGC_27con	HGC_27004	NOTEST	0.0972	0.02679	-1.85941	1
FGF13	HGC_27con	HGC_27004	OK	0.41672	0.11488	-1.85901	0.0387
AMBN	HGC_27con	HGC_27004	OK	2.23646	0.61662	-1.85877	0.0061
FLT4	HGC_27con	HGC_27004	NOTEST	0.08226	0.02279	-1.85213	1
FILIP1	HGC_27con	HGC_27004	NOTEST	0.13674	0.03788	-1.85204	1
ACTA2-AS1	HGC_27con	HGC_27004	NOTEST	0.11092	0.03076	-1.85027	1
CTSZ	HGC_27con	HGC_27004	NOTEST	0.22105	0.06139	-1.84838	1
SLC22A11	HGC_27con	HGC_27004	NOTEST	0.07015	0.01959	-1.84034	1
LINC00395	HGC_27con	HGC_27004	OK	0.73333	0.20486	-1.8398	0.339
CDH1	HGC_27con	HGC_27004	NOTEST	0.04887	0.01371	-1.83397	1
SFRP4	HGC_27con	HGC_27004	OK	79.1329	22.2704	-1.82915	5E-05
FMO5	HGC_27con	HGC_27004	OK	0.5791	0.16401	-1.82003	0.0276
TGM1	HGC_27con	HGC_27004	OK	1.08333	0.30694	-1.81945	0.0107
TAS1R1	HGC_27con	HGC_27004	OK	0.83884	0.23806	-1.81708	0.0508
LEMD1	HGC_27con	HGC_27004	OK	1.4253	0.40467	-1.81646	0.0728
SNX29P2	HGC_27con	HGC_27004	NOTEST	0.2258	0.0645	-1.80775	1
DRD2	HGC_27con	HGC_27004	NOTEST	0.04793	0.01378	-1.79799	1
GREM2	HGC_27con	HGC_27004	OK	5.41202	1.56194	-1.79283	5E-05
SNORA65	HGC_27con	HGC_27004	OK	56.1545	16.2086	-1.79264	0.5204
HIST1H3D	HGC_27con	HGC_27004	OK	0.79119	0.22891	-1.78923	0.15
GPT	HGC_27con	HGC_27004	OK	5.14548	1.49046	-1.78755	0.0039
MAF	HGC_27con	HGC_27004	OK	3.3104	0.95967	-1.78639	0.0018
MIR143HG	HGC_27con	HGC_27004	OK	0.44084	0.12851	-1.77834	0.1285
NAP1L3	HGC_27con	HGC_27004	NOTEST	0.0675	0.01975	-1.77324	1
SNORA52	HGC_27con	HGC_27004	OK	73.1922	21.445	-1.77105	0.5297
EPCAM	HGC_27con	HGC_27004	OK	0.48493	0.14223	-1.7696	0.083
LINC01152	HGC_27con	HGC_27004	NOTEST	0.06397	0.01877	-1.76914	1
MAFTRR	HGC_27con	HGC_27004	OK	0.75123	0.22067	-1.76737	0.2225
RENBP	HGC_27con	HGC_27004	OK	1.74676	0.51376	-1.76551	0.0177
EA10-MAGEA5,MA	HGC_27con	HGC_27004	NOTEST	0.23435	0.06895	-1.76499	1
GABRG2	HGC_27con	HGC_27004	NOTEST	0.1243	0.03664	-1.76242	1
CRYAB	HGC_27con	HGC_27004	OK	45.6665	13.5252	-1.75549	0.0001

LINGO3	HGC_27con	HGC_27004	NOTEST	0.10674	0.03167	-1.75297	1
SRPK3	HGC_27con	HGC_27004	OK	2.00574	0.59727	-1.74768	0.0125
GSTO2	HGC_27con	HGC_27004	NOTEST	0.31067	0.09281	-1.74307	1
HACD4	HGC_27con	HGC_27004	NOTEST	0.19376	0.05789	-1.74286	1
GP1BB	HGC_27con	HGC_27004	OK	9.11024	2.72627	-1.74056	0.401
CNTN2	HGC_27con	HGC_27004	NOTEST	0.17351	0.05205	-1.73717	1
ANGPT1	HGC_27con	HGC_27004	OK	1.9795	0.59384	-1.73699	0.0015
FBXO15	HGC_27con	HGC_27004	NOTEST	0.19979	0.05998	-1.73601	1
MIR662	HGC_27con	HGC_27004	OK	60.4169	18.2038	-1.73071	0.1654
IL411	HGC_27con	HGC_27004	NOTEST	0.10849	0.0327	-1.73023	1
EPHA10	HGC_27con	HGC_27004	NOTEST	0.24098	0.07271	-1.72871	1
COL13A1	HGC_27con	HGC_27004	OK	0.41158	0.12434	-1.72693	0.0304
RAB33A	HGC_27con	HGC_27004	NOTEST	0.10585	0.032	-1.72598	1
KRT8	HGC_27con	HGC_27004	OK	1.84485	0.55774	-1.72583	0.0116
SPACA4	HGC_27con	HGC_27004	NOTEST	0.16179	0.049	-1.72329	1
LOC339059	HGC_27con	HGC_27004	NOTEST	0.10124	0.03071	-1.72089	1
TCTEX1D4	HGC_27con	HGC_27004	NOTEST	0.09661	0.02933	-1.71992	1
LOC101926955	HGC_27con	HGC_27004	NOTEST	0.06057	0.01841	-1.71805	1
FOCAD-AS1	HGC_27con	HGC_27004	OK	0.42449	0.12935	-1.7144	0.5483
FUT5	HGC_27con	HGC_27004	NOTEST	0.07215	0.02203	-1.71137	1
MTMR9LP	HGC_27con	HGC_27004	NOTEST	0.05636	0.01722	-1.71022	1
TTC39A	HGC_27con	HGC_27004	NOTEST	0.06113	0.01868	-1.71008	1
OGFRP1	HGC_27con	HGC_27004	NOTEST	0.10716	0.03281	-1.70762	1
ITGA1	HGC_27con	HGC_27004	OK	1.28541	0.39365	-1.70725	0.0893
MYO1G	HGC_27con	HGC_27004	NOTEST	0.03387	0.01038	-1.70675	1
ABTB1	HGC_27con	HGC_27004	OK	1.01107	0.30993	-1.70586	0.0351
CGB	HGC_27con	HGC_27004	NOTEST	0.2014	0.06182	-1.70407	1
IL17B	HGC_27con	HGC_27004	NOTEST	0.19083	0.05863	-1.70259	1
HIST1H2BE	HGC_27con	HGC_27004	OK	0.50946	0.15654	-1.70239	0.1654
POU5F1P4	HGC_27con	HGC_27004	NOTEST	0.08548	0.02635	-1.69794	1
LOC100506497	HGC_27con	HGC_27004	NOTEST	0.08542	0.02633	-1.69793	1
ARNT2	HGC_27con	HGC_27004	OK	0.39108	0.12064	-1.69675	0.0267
LY6G6F	HGC_27con	HGC_27004	NOTEST	0.1462	0.04518	-1.69408	1
CBS	HGC_27con	HGC_27004	NOTEST	0.04169	0.01289	-1.69309	1
CXorf67	HGC_27con	HGC_27004	NOTEST	0.09094	0.02816	-1.69112	1
OSGEPL1-AS1	HGC_27con	HGC_27004	OK	0.6749	0.20935	-1.68877	0.464
LOC79160	HGC_27con	HGC_27004	NOTEST	0.16443	0.0511	-1.6861	1
IL4R	HGC_27con	HGC_27004	OK	1.09807	0.34126	-1.68604	0.0097
DNAH17-AS1	HGC_27con	HGC_27004	NOTEST	0.0213	0.00663	-1.68387	1
JUP	HGC_27con	HGC_27004	OK	0.66077	0.20573	-1.68337	0.0284
KRT17	HGC_27con	HGC_27004	NOTEST	0.06362	0.01982	-1.68266	1
KRTAP5-AS1	HGC_27con	HGC_27004	NOTEST	0.04449	0.01386	-1.68233	1
SNORA71C	HGC_27con	HGC_27004	OK	12.7286	3.97262	-1.67991	0.5564
GNG12-AS1	HGC_27con	HGC_27004	NOTEST	0.2023	0.06316	-1.67928	1
VWCE	HGC_27con	HGC_27004	OK	0.40379	0.12615	-1.67854	0.0596
LOC442497	HGC_27con	HGC_27004	NOTEST	0.11874	0.03712	-1.67739	1
TCTE1	HGC_27con	HGC_27004	OK	0.65557	0.20542	-1.67415	0.0959
TAGLN3	HGC_27con	HGC_27004	NOTEST	0.09208	0.02889	-1.67251	1
ACTL8	HGC_27con	HGC_27004	NOTEST	0.06823	0.02144	-1.66974	1
HIST1H3B	HGC_27con	HGC_27004	OK	1.13506	0.35708	-1.66847	0.2799
ZNF385A	HGC_27con	HGC_27004	OK	7.76638	2.44891	-1.6651	0.3085
KCNA6	HGC_27con	HGC_27004	NOTEST	0.05485	0.0173	-1.6648	1
C1orf210	HGC_27con	HGC_27004	NOTEST	0.10234	0.03228	-1.66475	1
TEKT5	HGC_27con	HGC_27004	NOTEST	0.05882	0.01856	-1.66448	1

APCDD1L-AS1	HGC_27con	HGC_27004	NOTEST	0.04884	0.01541	-1.66365	1
AZIN2	HGC_27con	HGC_27004	OK	0.50054	0.15836	-1.66031	0.0645
CREB3L1	HGC_27con	HGC_27004	OK	0.73246	0.23177	-1.66004	0.038
HIST2H2BF	HGC_27con	HGC_27004	OK	0.40546	0.12834	-1.65963	0.2986
GRB14	HGC_27con	HGC_27004	NOTEST	0.04717	0.01493	-1.65926	1
SCARNA22	HGC_27con	HGC_27004	OK	22.2713	7.05299	-1.65888	0.5464
OR3A3	HGC_27con	HGC_27004	NOTEST	0.16908	0.05361	-1.65722	1
PYY	HGC_27con	HGC_27004	NOTEST	0.13611	0.04315	-1.6572	1
MYL9	HGC_27con	HGC_27004	OK	27.0309	8.57211	-1.65689	0.007
TCN2	HGC_27con	HGC_27004	NOTEST	0.12286	0.03904	-1.65412	1
PADI6	HGC_27con	HGC_27004	NOTEST	0.042	0.01334	-1.65411	1
MYH16	HGC_27con	HGC_27004	NOTEST	0.02827	0.00899	-1.65265	1
COL17A1	HGC_27con	HGC_27004	NOTEST	0.0169	0.00538	-1.65203	1
ITGA10	HGC_27con	HGC_27004	NOTEST	0.01921	0.00612	-1.65075	1
GLIS3-AS1	HGC_27con	HGC_27004	OK	0.52671	0.16804	-1.64818	0.4866
EGFR-AS1	HGC_27con	HGC_27004	NOTEST	0.03272	0.01044	-1.64777	1
C1orf228	HGC_27con	HGC_27004	NOTEST	0.07188	0.02294	-1.64774	1
TLX1NB	HGC_27con	HGC_27004	NOTEST	0.09494	0.0303	-1.64768	1
RNF217-AS1	HGC_27con	HGC_27004	NOTEST	0.0574	0.01835	-1.64516	1
CHRFAM7A	HGC_27con	HGC_27004	NOTEST	0.03958	0.01266	-1.64493	1
HCP5	HGC_27con	HGC_27004	NOTEST	0.03887	0.01243	-1.64444	1
CDH3	HGC_27con	HGC_27004	OK	0.38084	0.12192	-1.64327	0.0421
PATL2	HGC_27con	HGC_27004	NOTEST	0.0927	0.02968	-1.64324	1
APCDD1	HGC_27con	HGC_27004	OK	15.1253	4.8529	-1.64004	5E-05
SNORD15A	HGC_27con	HGC_27004	OK	6.69552	2.15476	-1.63567	0.5401
FHL2	HGC_27con	HGC_27004	OK	7.79288	2.51283	-1.63284	0.0027
CFAP45	HGC_27con	HGC_27004	NOTEST	0.03468	0.01119	-1.63168	1
SYNE4	HGC_27con	HGC_27004	OK	1.10565	0.35725	-1.6299	0.0579
C3orf35	HGC_27con	HGC_27004	NOTEST	0.27848	0.09003	-1.62912	1
ZEB2-AS1	HGC_27con	HGC_27004	OK	0.72881	0.2357	-1.6286	0.6028
C1QTNF9B-AS1	HGC_27con	HGC_27004	NOTEST	0.19697	0.0637	-1.6285	1
PKN2-AS1	HGC_27con	HGC_27004	NOTEST	0.11417	0.03694	-1.62805	1
DAB1	HGC_27con	HGC_27004	NOTEST	0.03894	0.01262	-1.62522	1
DMKN	HGC_27con	HGC_27004	OK	4.41713	1.43202	-1.62505	0.0142
ACKR3	HGC_27con	HGC_27004	NOTEST	0.07064	0.02291	-1.62469	1
HES1	HGC_27con	HGC_27004	OK	6.55749	2.12648	-1.62467	0.0058
TLX1	HGC_27con	HGC_27004	OK	1.77432	0.57647	-1.62195	0.022
DRC1	HGC_27con	HGC_27004	NOTEST	0.02546	0.00827	-1.62145	1
LOC728989	HGC_27con	HGC_27004	NOTEST	0.21536	0.07001	-1.62113	1
LINC00861	HGC_27con	HGC_27004	NOTEST	0.09205	0.02997	-1.61885	1
TEK	HGC_27con	HGC_27004	NOTEST	0.1	0.03257	-1.61832	1
LOC101929337	HGC_27con	HGC_27004	NOTEST	0.08112	0.02643	-1.61808	1
TMEM108	HGC_27con	HGC_27004	NOTEST	0.02999	0.00977	-1.61799	1
TGFB2-AS1	HGC_27con	HGC_27004	NOTEST	0.2729	0.08891	-1.6179	1
SNORD76	HGC_27con	HGC_27004	OK	667.088	217.348	-1.61787	0.5563
ARL9	HGC_27con	HGC_27004	NOTEST	0.1173	0.03826	-1.61631	1
CDH22	HGC_27con	HGC_27004	OK	0.44837	0.14676	-1.61121	0.0632
NT5E	HGC_27con	HGC_27004	OK	0.96088	0.31454	-1.61113	0.0164
MARK2P9	HGC_27con	HGC_27004	NOTEST	0.25694	0.08417	-1.60995	1
FAM65C	HGC_27con	HGC_27004	NOTEST	0.31319	0.10261	-1.60992	1
ST13P4	HGC_27con	HGC_27004	NOTEST	0.04448	0.01457	-1.60983	1
TMEM31	HGC_27con	HGC_27004	NOTEST	0.13187	0.04329	-1.60708	1
SLED1	HGC_27con	HGC_27004	NOTEST	0.17432	0.05725	-1.60639	1
RPL13AP3	HGC_27con	HGC_27004	NOTEST	0.06061	0.01993	-1.6043	1

LOC101929549	HGC_27con	HGC_27004	NOTEST	0.12997	0.04279	-1.60292	1
SYT5	HGC_27con	HGC_27004	NOTEST	0.11529	0.03797	-1.60248	1
AK8	HGC_27con	HGC_27004	OK	1.45752	0.4802	-1.60181	0.0261
PYGM	HGC_27con	HGC_27004	OK	0.46755	0.15411	-1.60119	0.0405
HAL	HGC_27con	HGC_27004	NOTEST	0.02483	0.00819	-1.60073	1
LRRC37A6P	HGC_27con	HGC_27004	NOTEST	0.01358	0.00448	-1.60009	1
SYNDIG1	HGC_27con	HGC_27004	OK	1.41289	0.46675	-1.59792	0.0259
CYP2G1P	HGC_27con	HGC_27004	NOTEST	0.03611	0.01193	-1.59781	1
IL1RN	HGC_27con	HGC_27004	NOTEST	0.27225	0.08995	-1.5977	1
CYR61	HGC_27con	HGC_27004	OK	13.1261	4.34053	-1.5965	5E-05
NPR3	HGC_27con	HGC_27004	OK	0.48256	0.15972	-1.59515	0.0197
LOC101927884	HGC_27con	HGC_27004	NOTEST	0.11658	0.03866	-1.59239	1
ADAM21P1	HGC_27con	HGC_27004	NOTEST	0.04939	0.01643	-1.58753	1
CDK18	HGC_27con	HGC_27004	OK	33.4793	11.1406	-1.58745	5E-05
OLAH	HGC_27con	HGC_27004	NOTEST	0.11793	0.03927	-1.58643	1
SLC16A8	HGC_27con	HGC_27004	OK	1.74924	0.58256	-1.58625	0.048
WNT6	HGC_27con	HGC_27004	OK	6.28027	2.09436	-1.58431	0.0112
NTNG2	HGC_27con	HGC_27004	OK	0.96538	0.32195	-1.58424	0.0389
SNORD35B	HGC_27con	HGC_27004	OK	133.301	44.4838	-1.58334	0.5865
MEIS3	HGC_27con	HGC_27004	OK	4.78169	1.59644	-1.58266	0.0024
SGMS1-AS1	HGC_27con	HGC_27004	OK	1.12403	0.37537	-1.58228	0.0331
LOC101927274	HGC_27con	HGC_27004	NOTEST	0.10986	0.03669	-1.58209	1
NCAN	HGC_27con	HGC_27004	NOTEST	0.08486	0.02835	-1.58175	1
CYP27C1	HGC_27con	HGC_27004	NOTEST	0.05786	0.01934	-1.58094	1
LOC101927438	HGC_27con	HGC_27004	NOTEST	0.04691	0.01568	-1.58088	1
CRTAC1	HGC_27con	HGC_27004	NOTEST	0.09226	0.03086	-1.57994	1
LOC101928436	HGC_27con	HGC_27004	NOTEST	0.22458	0.07519	-1.57868	1
LINC01168	HGC_27con	HGC_27004	NOTEST	0.28368	0.0951	-1.57683	1
SH3TC2	HGC_27con	HGC_27004	NOTEST	0.00356	0.00119	-1.57659	1
S100A6	HGC_27con	HGC_27004	OK	0.55912	0.18751	-1.5762	0.2955
MINOS1P1	HGC_27con	HGC_27004	NOTEST	0.12017	0.0403	-1.57615	1
PTH1R	HGC_27con	HGC_27004	OK	3.21855	1.0799	-1.57552	0.0119
CCDC89	HGC_27con	HGC_27004	NOTEST	0.25264	0.08478	-1.57527	1
TNNI3	HGC_27con	HGC_27004	OK	1.05452	0.35462	-1.57227	0.1228
SCARNA9L	HGC_27con	HGC_27004	OK	0.54343	0.18286	-1.57136	0.588
USH2A	HGC_27con	HGC_27004	NOTEST	0.00507	0.00171	-1.57104	1
LINC01088	HGC_27con	HGC_27004	NOTEST	0.10113	0.03408	-1.56909	1
LOC100505918	HGC_27con	HGC_27004	NOTEST	0.03619	0.01222	-1.56646	1
SNORD58C	HGC_27con	HGC_27004	OK	100.79	34.0445	-1.56586	0.5931
FEZF1-AS1	HGC_27con	HGC_27004	NOTEST	0.27332	0.09243	-1.56413	1
LINC01479	HGC_27con	HGC_27004	OK	0.42902	0.14518	-1.56326	0.2137
LOC339260	HGC_27con	HGC_27004	OK	1.10106	0.37269	-1.56286	0.0568
HSP90B2P	HGC_27con	HGC_27004	NOTEST	0.04866	0.01649	-1.56153	1
MFGE8	HGC_27con	HGC_27004	OK	57.4275	19.4908	-1.55895	5E-05
TRPC4	HGC_27con	HGC_27004	NOTEST	0.03067	0.01043	-1.55682	1
NLRP6	HGC_27con	HGC_27004	OK	0.86175	0.29296	-1.55656	0.0454
C10orf10	HGC_27con	HGC_27004	OK	1.00512	0.3425	-1.55319	0.3176
SERTM1	HGC_27con	HGC_27004	NOTEST	0.0331	0.01128	-1.55311	1
MMP9	HGC_27con	HGC_27004	NOTEST	0.16269	0.05547	-1.55243	1
TFAP2C	HGC_27con	HGC_27004	NOTEST	0.2643	0.0902	-1.55095	1
AQP1	HGC_27con	HGC_27004	OK	0.50038	0.17087	-1.5501	0.0488
LOC100506124	HGC_27con	HGC_27004	NOTEST	0.19576	0.06707	-1.54536	1
LINC01361	HGC_27con	HGC_27004	NOTEST	0.11806	0.04052	-1.54275	1
WDR11-AS1	HGC_27con	HGC_27004	NOTEST	0.07916	0.02717	-1.54244	1

ATP11A-AS1	HGC_27con	HGC_27004	NOTEST	0.0418	0.01439	-1.53802	1
LINC01416	HGC_27con	HGC_27004	NOTEST	0.07748	0.02672	-1.53561	1
MIR616	HGC_27con	HGC_27004	OK	63.8715	22.0891	-1.53184	0.5868
BAAT	HGC_27con	HGC_27004	NOTEST	0.02999	0.01038	-1.53116	1
ELANE	HGC_27con	HGC_27004	OK	3.44538	1.19231	-1.53091	0.0579
HCN1	HGC_27con	HGC_27004	NOTEST	0.03218	0.01114	-1.53034	1
KLHDC8A	HGC_27con	HGC_27004	NOTEST	0.32015	0.11085	-1.53016	1
CCDC154	HGC_27con	HGC_27004	NOTEST	0.20509	0.07109	-1.52855	1
IDI2-AS1	HGC_27con	HGC_27004	OK	2.13979	0.74231	-1.52738	0.6445
EBI3	HGC_27con	HGC_27004	OK	0.40484	0.14045	-1.52727	0.2955
CETN4P	HGC_27con	HGC_27004	NOTEST	0.20034	0.0696	-1.52522	1
LINC00161	HGC_27con	HGC_27004	OK	0.6957	0.24177	-1.52486	0.1332
ZNF843	HGC_27con	HGC_27004	NOTEST	0.29639	0.10309	-1.52355	1
LINC00971	HGC_27con	HGC_27004	NOTEST	0.01257	0.00437	-1.52291	1
CTAGE1	HGC_27con	HGC_27004	NOTEST	0.02043	0.00712	-1.52176	1
CCDC140	HGC_27con	HGC_27004	NOTEST	0.27639	0.09636	-1.5202	1
MSH4	HGC_27con	HGC_27004	NOTEST	0.02874	0.01004	-1.51777	1
GOLGA2P6	HGC_27con	HGC_27004	NOTEST	0.07181	0.0251	-1.5168	1
ACTN3	HGC_27con	HGC_27004	NOTEST	0.08476	0.02968	-1.51399	1
B3GNT7	HGC_27con	HGC_27004	NOTEST	0.08851	0.03104	-1.51178	1
LOC100506801	HGC_27con	HGC_27004	NOTEST	0.1021	0.03586	-1.50964	1
FAM178B	HGC_27con	HGC_27004	OK	2.44477	0.85897	-1.50902	0.0427
SSC5D	HGC_27con	HGC_27004	OK	15.0921	5.31079	-1.50679	5E-05
CASC1	HGC_27con	HGC_27004	NOTEST	0.09048	0.03186	-1.5061	1
L1CAM	HGC_27con	HGC_27004	OK	6.44857	2.27108	-1.5056	5E-05
ANTXR2	HGC_27con	HGC_27004	NOTEST	0.12195	0.04296	-1.50534	1
ANKRD18B	HGC_27con	HGC_27004	NOTEST	0.01826	0.00645	-1.50168	1
ZNF337-AS1	HGC_27con	HGC_27004	OK	4.88767	1.72673	-1.5011	0.2965
ADAMTS10	HGC_27con	HGC_27004	OK	8.86228	3.13627	-1.49863	0.0001
HIST2H2AC	HGC_27con	HGC_27004	OK	2.16381	0.76704	-1.4962	0.2429
LOC100507564	HGC_27con	HGC_27004	OK	0.76679	0.27209	-1.49473	0.5374
LOC100507006	HGC_27con	HGC_27004	OK	0.613	0.21771	-1.4935	0.2377
SORBS3	HGC_27con	HGC_27004	OK	0.75544	0.26838	-1.49306	0.0506
SNORA29	HGC_27con	HGC_27004	OK	15.1364	5.37991	-1.49237	0.583
CDKN2A-AS1	HGC_27con	HGC_27004	OK	0.59678	0.21245	-1.4901	0.6256
WFIKK1	HGC_27con	HGC_27004	NOTEST	0.14848	0.05289	-1.48921	1
GOLGA8IP	HGC_27con	HGC_27004	NOTEST	0.14828	0.05284	-1.48861	1
TBC1D2	HGC_27con	HGC_27004	OK	4.05366	1.44589	-1.48727	0.0013
NDUFAF4P1	HGC_27con	HGC_27004	NOTEST	0.04061	0.0145	-1.48607	1
TSPAN19	HGC_27con	HGC_27004	NOTEST	0.11913	0.04256	-1.48488	1
SLC25A18	HGC_27con	HGC_27004	NOTEST	0.30813	0.11042	-1.48055	1
CABP4	HGC_27con	HGC_27004	NOTEST	0.12431	0.04459	-1.47914	1
CFAP74	HGC_27con	HGC_27004	NOTEST	0.07395	0.02653	-1.47908	1
ARL13A	HGC_27con	HGC_27004	NOTEST	0.16795	0.06027	-1.47838	1
ACSBG1	HGC_27con	HGC_27004	NOTEST	0.08839	0.03177	-1.47623	1
ASIC4	HGC_27con	HGC_27004	NOTEST	0.17696	0.0636	-1.47623	1
KCNA2	HGC_27con	HGC_27004	NOTEST	0.05463	0.01964	-1.47541	1
NFAM1	HGC_27con	HGC_27004	NOTEST	0.25862	0.09307	-1.47441	1
KIAA1614	HGC_27con	HGC_27004	OK	2.02824	0.73082	-1.47264	0.0071
ZNF295-AS1	HGC_27con	HGC_27004	NOTEST	0.25754	0.09296	-1.47017	1
MRPL23-AS1	HGC_27con	HGC_27004	OK	1.01506	0.36722	-1.46686	0.0497
LOC100506022	HGC_27con	HGC_27004	OK	0.57224	0.2071	-1.46628	0.0704
PDGFRA	HGC_27con	HGC_27004	OK	3.09753	1.12315	-1.46357	0.0003
CALY	HGC_27con	HGC_27004	NOTEST	0.31954	0.11592	-1.46293	1

MISP	HGC_27con	HGC_27004	NOTEST	0.16658	0.06047	-1.46188	1
DKK1	HGC_27con	HGC_27004	OK	11.2412	4.0911	-1.45823	0.0018
EPAS1	HGC_27con	HGC_27004	NOTEST	0.20388	0.07421	-1.458	1
PCDHGB6	HGC_27con	HGC_27004	NOTEST	0.23249	0.08493	-1.45275	1
ZMAT1	HGC_27con	HGC_27004	NOTEST	0.14971	0.05486	-1.44845	1
FOLH1	HGC_27con	HGC_27004	OK	1.68192	0.61737	-1.4459	0.0192
CCDC177	HGC_27con	HGC_27004	NOTEST	0.0569	0.02091	-1.44454	1
NUDT4P2	HGC_27con	HGC_27004	OK	11.1565	4.10925	-1.44093	0.0212
BMF	HGC_27con	HGC_27004	OK	3.9224	1.44495	-1.44072	0.0002
H2AFJ	HGC_27con	HGC_27004	NOTEST	0.05902	0.0218	-1.43651	1
GPR179	HGC_27con	HGC_27004	NOTEST	0.07005	0.02589	-1.43621	1
BFSP1	HGC_27con	HGC_27004	NOTEST	0.03066	0.01133	-1.43619	1
NEXN	HGC_27con	HGC_27004	OK	2.53906	0.93881	-1.43539	0.0019
SCIN	HGC_27con	HGC_27004	NOTEST	0.15959	0.05904	-1.43451	1
GPR132	HGC_27con	HGC_27004	OK	1.79546	0.66466	-1.43366	0.0146
COL26A1	HGC_27con	HGC_27004	OK	2.90271	1.07843	-1.42846	0.0066
RBP5	HGC_27con	HGC_27004	NOTEST	0.18679	0.06947	-1.42695	1
SLC16A14	HGC_27con	HGC_27004	OK	0.8735	0.32494	-1.42664	0.0307
HPD	HGC_27con	HGC_27004	NOTEST	0.20074	0.0747	-1.42612	1
OR7E37P	HGC_27con	HGC_27004	OK	0.66653	0.24834	-1.42435	0.1776
LSAMP	HGC_27con	HGC_27004	NOTEST	0.27069	0.10092	-1.42349	1
LRRC4C	HGC_27con	HGC_27004	NOTEST	0.0249	0.00928	-1.42347	1
ANKRD53	HGC_27con	HGC_27004	NOTEST	0.10256	0.03828	-1.42169	1
OTOF	HGC_27con	HGC_27004	NOTEST	0.03339	0.01248	-1.41998	1
RARRES2	HGC_27con	HGC_27004	OK	0.63262	0.23647	-1.41969	0.2091
ITGAD	HGC_27con	HGC_27004	NOTEST	0.04157	0.01554	-1.41938	1
PPAPDC1A	HGC_27con	HGC_27004	NOTEST	0.16311	0.06112	-1.416	1
STK32A	HGC_27con	HGC_27004	NOTEST	0.21897	0.08206	-1.4159	1
HNRNPA1P33	HGC_27con	HGC_27004	OK	0.33481	0.12584	-1.41176	0.3789
F3	HGC_27con	HGC_27004	OK	0.98535	0.37076	-1.41015	0.0437
TSPO2	HGC_27con	HGC_27004	NOTEST	0.10883	0.04097	-1.40945	1
HOXB4	HGC_27con	HGC_27004	NOTEST	0.08469	0.03189	-1.4091	1
CES4A	HGC_27con	HGC_27004	NOTEST	0.04583	0.01726	-1.409	1
TMOD4	HGC_27con	HGC_27004	OK	0.46393	0.17475	-1.40858	0.3676
LRRC26	HGC_27con	HGC_27004	OK	2.3264	0.87654	-1.40821	0.2521
COL20A1	HGC_27con	HGC_27004	NOTEST	0.1088	0.04103	-1.4068	1
SAMD15	HGC_27con	HGC_27004	OK	0.4883	0.18423	-1.40624	0.0711
MAFA-AS1	HGC_27con	HGC_27004	OK	1.28001	0.48307	-1.40584	0.2653
PDZRN3-AS1	HGC_27con	HGC_27004	NOTEST	0.0989	0.03733	-1.40565	1
ZNF439	HGC_27con	HGC_27004	NOTEST	0.10825	0.04088	-1.40474	1
HOXB2	HGC_27con	HGC_27004	NOTEST	0.17698	0.06685	-1.40467	1
C2orf16	HGC_27con	HGC_27004	OK	0.33945	0.12826	-1.40415	0.0469
ABHD17A	HGC_27con	HGC_27004	OK	80.1726	30.2954	-1.40401	5E-05
TFAP2E	HGC_27con	HGC_27004	OK	0.55829	0.21097	-1.40395	0.1178
ITGA8	HGC_27con	HGC_27004	NOTEST	0.13572	0.05135	-1.4023	1
TPSG1	HGC_27con	HGC_27004	OK	1.06295	0.4026	-1.40065	0.6636
RPL23AP64	HGC_27con	HGC_27004	OK	0.89771	0.34005	-1.4005	0.6067
C9orf41-AS1	HGC_27con	HGC_27004	NOTEST	0.14824	0.05641	-1.394	1
HIST1H4H	HGC_27con	HGC_27004	OK	2.52694	0.96196	-1.39335	0.1926
MN1	HGC_27con	HGC_27004	OK	0.97857	0.37268	-1.39273	0.0149
LOC100288866	HGC_27con	HGC_27004	NOTEST	0.19559	0.0745	-1.39254	1
SLC8A2	HGC_27con	HGC_27004	NOTEST	0.1125	0.04287	-1.39185	1
CLUL1	HGC_27con	HGC_27004	OK	1.32784	0.50606	-1.39171	0.6124
RGPD1	HGC_27con	HGC_27004	NOTEST	0.10112	0.03857	-1.39048	1

THRB-AS1	HGC_27con	HGC_27004	OK	0.66765	0.25496	-1.38881	0.313
DOC2GP	HGC_27con	HGC_27004	OK	1.91527	0.73207	-1.38749	0.225
NAGPA-AS1	HGC_27con	HGC_27004	NOTEST	0.15097	0.05773	-1.38679	1
LOC729867	HGC_27con	HGC_27004	OK	0.33691	0.12892	-1.3859	0.5827
LOC101927272	HGC_27con	HGC_27004	OK	1.38904	0.53205	-1.38444	0.1733
CASQ1	HGC_27con	HGC_27004	NOTEST	0.08265	0.03166	-1.38422	1
ST6GALNAC2	HGC_27con	HGC_27004	OK	1.60356	0.6145	-1.38378	0.0521
NPR2	HGC_27con	HGC_27004	NOTEST	0.05201	0.01994	-1.38314	1
NETO1	HGC_27con	HGC_27004	OK	5.15927	1.97877	-1.38256	0.0008
CDH26	HGC_27con	HGC_27004	NOTEST	0.12846	0.04927	-1.38249	1
LOC101927604	HGC_27con	HGC_27004	NOTEST	0.28285	0.10852	-1.38208	1
FAM107A	HGC_27con	HGC_27004	NOTEST	0.05438	0.02087	-1.38156	1
CDH23	HGC_27con	HGC_27004	NOTEST	0.30977	0.11898	-1.3805	1
PLEKHN1	HGC_27con	HGC_27004	NOTEST	0.13422	0.05165	-1.37778	1
ZNRF3-AS1	HGC_27con	HGC_27004	NOTEST	0.31015	0.11949	-1.37615	1
NPIPA1	HGC_27con	HGC_27004	OK	0.48947	0.18878	-1.37448	0.182
AP1M2	HGC_27con	HGC_27004	OK	1.21948	0.47074	-1.37327	0.0562
RASSF4	HGC_27con	HGC_27004	OK	2.26769	0.87558	-1.37291	0.066
ATP6V0E1	HGC_27con	HGC_27004	OK	124.73	48.177	-1.37239	5E-05
DCDC1	HGC_27con	HGC_27004	NOTEST	0.14359	0.05554	-1.37021	1
MVP	HGC_27con	HGC_27004	OK	5.79298	2.24513	-1.36751	0.071
CPNE7	HGC_27con	HGC_27004	NOTEST	0.10451	0.04056	-1.3657	1
FAM182A	HGC_27con	HGC_27004	NOTEST	0.18602	0.07225	-1.3643	1
HYAL1	HGC_27con	HGC_27004	OK	2.43159	0.94465	-1.36406	0.0222
DNAH11	HGC_27con	HGC_27004	OK	0.3667	0.14256	-1.363	0.3714
SPATA4	HGC_27con	HGC_27004	NOTEST	0.24303	0.09451	-1.36266	1
LOC283575	HGC_27con	HGC_27004	NOTEST	0.06275	0.02441	-1.36252	1
EMILIN3	HGC_27con	HGC_27004	OK	0.33535	0.13067	-1.35972	0.3896
GPR156	HGC_27con	HGC_27004	NOTEST	0.03758	0.01465	-1.35873	1
LINC01372	HGC_27con	HGC_27004	OK	1.29944	0.50679	-1.35845	0.2714
TRANK1	HGC_27con	HGC_27004	NOTEST	0.03909	0.01525	-1.3577	1
IPO9-AS1	HGC_27con	HGC_27004	OK	0.57838	0.22621	-1.35439	0.6334
HBE1	HGC_27con	HGC_27004	NOTEST	0.26346	0.10319	-1.35224	1
RGS22	HGC_27con	HGC_27004	NOTEST	0.05046	0.0198	-1.35003	1
TEX35	HGC_27con	HGC_27004	NOTEST	0.14045	0.05522	-1.34686	1
PLA2G4C	HGC_27con	HGC_27004	OK	0.7937	0.31227	-1.3458	0.0545
HOXA6	HGC_27con	HGC_27004	OK	1.09456	0.43074	-1.34547	0.4413
PCDHGB8P	HGC_27con	HGC_27004	NOTEST	0.17567	0.06921	-1.34384	1
DMC1	HGC_27con	HGC_27004	OK	0.89758	0.354	-1.34228	0.244
KCNJ10	HGC_27con	HGC_27004	NOTEST	0.02976	0.01175	-1.34047	1
TMEM180	HGC_27con	HGC_27004	OK	3.9794	1.57347	-1.3386	0.0124
WISP3	HGC_27con	HGC_27004	NOTEST	0.12621	0.04991	-1.3385	1
SP9	HGC_27con	HGC_27004	OK	1.74218	0.69201	-1.33202	0.109
DENND1C	HGC_27con	HGC_27004	NOTEST	0.20464	0.08152	-1.32786	1
EVX1-AS	HGC_27con	HGC_27004	OK	1.84828	0.73649	-1.32745	0.3525
CHST6	HGC_27con	HGC_27004	NOTEST	0.14138	0.05636	-1.32688	1
TMEM158	HGC_27con	HGC_27004	OK	1.96246	0.78281	-1.32594	0.0909
FAM222A	HGC_27con	HGC_27004	OK	2.63148	1.04987	-1.32567	0.0183
RPL13AP20	HGC_27con	HGC_27004	OK	0.47171	0.18834	-1.32453	0.3253
UPK3B	HGC_27con	HGC_27004	OK	3.98471	1.59133	-1.32424	0.0283
ANO9	HGC_27con	HGC_27004	NOTEST	0.10246	0.04095	-1.32323	1
TOB2P1	HGC_27con	HGC_27004	NOTEST	0.1127	0.04504	-1.3232	1
ZNF280A	HGC_27con	HGC_27004	NOTEST	0.19859	0.07938	-1.32301	1
DFNB31	HGC_27con	HGC_27004	OK	6.41705	2.56531	-1.32278	0.0007

SULT1A1	HGC_27con	HGC_27004	OK	5.39491	2.15827	-1.32172	0.0139
LOC101928865	HGC_27con	HGC_27004	NOTEST	0.22339	0.08943	-1.3208	1
LOC102723927	HGC_27con	HGC_27004	OK	0.36565	0.14649	-1.31969	0.1799
DPF3	HGC_27con	HGC_27004	NOTEST	0.2637	0.10569	-1.31912	1
ABCC6P1	HGC_27con	HGC_27004	OK	2.21709	0.89049	-1.316	0.0201
ATP1B4	HGC_27con	HGC_27004	NOTEST	0.02951	0.01186	-1.31546	1
CHRNA	HGC_27con	HGC_27004	NOTEST	0.2969	0.11931	-1.31521	1
MIR181A1HG	HGC_27con	HGC_27004	OK	0.35245	0.14191	-1.31244	0.4105
LINC01166	HGC_27con	HGC_27004	OK	0.3279	0.13208	-1.31189	0.2079
SLC16A3	HGC_27con	HGC_27004	OK	1.05187	0.42377	-1.31161	0.0729
KCTD21-AS1	HGC_27con	HGC_27004	NOTEST	0.19087	0.07692	-1.31123	1
BTK	HGC_27con	HGC_27004	NOTEST	0.07423	0.02999	-1.3077	1
GDPD2	HGC_27con	HGC_27004	NOTEST	0.07895	0.03192	-1.30638	1
PCDHGA11	HGC_27con	HGC_27004	NOTEST	0.20296	0.08209	-1.30583	1
FAM151B	HGC_27con	HGC_27004	OK	0.52106	0.21081	-1.3055	0.1461
SH2D3A	HGC_27con	HGC_27004	NOTEST	0.30753	0.12448	-1.30476	1
FNDC5	HGC_27con	HGC_27004	NOTEST	0.28189	0.11421	-1.30342	1
CDH4	HGC_27con	HGC_27004	NOTEST	0.06714	0.02723	-1.30207	1
AK7	HGC_27con	HGC_27004	NOTEST	0.31818	0.12917	-1.30063	1
LOC643770	HGC_27con	HGC_27004	NOTEST	0.12703	0.05175	-1.29537	1
C22orf24	HGC_27con	HGC_27004	NOTEST	0.20446	0.0834	-1.29379	1
AKR7A2P1	HGC_27con	HGC_27004	OK	0.59269	0.24189	-1.29293	0.6717
NNAT	HGC_27con	HGC_27004	OK	0.42922	0.17522	-1.29253	0.6693
TRIM49B	HGC_27con	HGC_27004	NOTEST	0.10376	0.04239	-1.2915	1
MTRNR2L4	HGC_27con	HGC_27004	NOTEST	0.14537	0.05944	-1.29024	1
HRCT1	HGC_27con	HGC_27004	OK	0.36717	0.15019	-1.28965	0.3063
LINC01133	HGC_27con	HGC_27004	OK	5.99339	2.45204	-1.28939	0.0042
WTH3DI	HGC_27con	HGC_27004	NOTEST	0.04965	0.02035	-1.28691	1
CD70	HGC_27con	HGC_27004	OK	0.80161	0.32872	-1.28602	0.2587
PPAPDC3	HGC_27con	HGC_27004	NOTEST	0.26304	0.10794	-1.28505	1
DCAF13P3	HGC_27con	HGC_27004	NOTEST	0.06135	0.02522	-1.2827	1
CYP1B1-AS1	HGC_27con	HGC_27004	OK	0.43622	0.17956	-1.28058	0.1534
GSTT1	HGC_27con	HGC_27004	NOTEST	0.23495	0.09673	-1.28026	1
ALPL	HGC_27con	HGC_27004	NOTEST	0.1439	0.05928	-1.2796	1
S100A16	HGC_27con	HGC_27004	OK	22.3801	9.21917	-1.27951	0.002
LINC01279	HGC_27con	HGC_27004	OK	1.44501	0.59552	-1.27886	0.0166
PRRG4	HGC_27con	HGC_27004	NOTEST	0.06003	0.02475	-1.27822	1
MINOS1-NBL1	HGC_27con	HGC_27004	OK	1.17144	0.4835	-1.27671	0.5842
LINC00896	HGC_27con	HGC_27004	NOTEST	0.17142	0.07077	-1.27641	1
FBXO32	HGC_27con	HGC_27004	OK	20.3453	8.40118	-1.27603	5E-05
TNFRSF14	HGC_27con	HGC_27004	OK	0.65462	0.271	-1.27234	0.0579
PRSS57	HGC_27con	HGC_27004	OK	1.66745	0.69031	-1.27234	0.1171
TAS2R4	HGC_27con	HGC_27004	NOTEST	0.31218	0.12933	-1.27135	1
LOC100132111	HGC_27con	HGC_27004	OK	0.58043	0.24052	-1.27099	0.2869
NPC1L1	HGC_27con	HGC_27004	NOTEST	0.08277	0.03433	-1.26958	1
LMOD1	HGC_27con	HGC_27004	OK	0.69841	0.2902	-1.26704	0.0406
GACAT2	HGC_27con	HGC_27004	OK	1.02793	0.42762	-1.26535	0.2096
LINC01341	HGC_27con	HGC_27004	OK	0.36537	0.15229	-1.26258	0.2665
LOC102723385	HGC_27con	HGC_27004	OK	0.59905	0.25013	-1.26001	0.6034
SDPR	HGC_27con	HGC_27004	NOTEST	0.14663	0.06127	-1.259	1
TRPM3	HGC_27con	HGC_27004	OK	14.514	6.06712	-1.25836	0.0028
DISP2	HGC_27con	HGC_27004	OK	0.44701	0.18714	-1.2562	0.0931
ZNF890P	HGC_27con	HGC_27004	NOTEST	0.15664	0.06559	-1.25586	1
GRIP2	HGC_27con	HGC_27004	NOTEST	0.08205	0.03437	-1.2555	1

RASL10A	HGC_27con	HGC_27004	OK	0.8345	0.34959	-1.25524	0.207
LAMTOR5-AS1	HGC_27con	HGC_27004	OK	1.51448	0.63447	-1.25519	0.6046
AMIGO2	HGC_27con	HGC_27004	OK	0.50706	0.21252	-1.25453	0.1079
NUGGC	HGC_27con	HGC_27004	NOTEST	0.04783	0.02009	-1.25137	1
RGCC	HGC_27con	HGC_27004	OK	1.09842	0.46142	-1.25129	0.1568
DHRS2	HGC_27con	HGC_27004	OK	0.45419	0.19092	-1.25035	0.1843
KRT7	HGC_27con	HGC_27004	NOTEST	0.23094	0.09717	-1.24888	1
PCDHGA3	HGC_27con	HGC_27004	NOTEST	0.11149	0.04696	-1.2475	1
ACTG1P4	HGC_27con	HGC_27004	NOTEST	0.13615	0.05737	-1.24692	1
HMCN1	HGC_27con	HGC_27004	OK	0.59577	0.25107	-1.2467	0.4062
DEAR	HGC_27con	HGC_27004	OK	1.04108	0.43874	-1.24663	0.5715
LOC101927583	HGC_27con	HGC_27004	NOTEST	0.20538	0.08657	-1.24629	1
LOC101927257	HGC_27con	HGC_27004	NOTEST	0.13061	0.05511	-1.24481	1
LOC100288911	HGC_27con	HGC_27004	OK	2.44174	1.03135	-1.24338	0.1164
HKDC1	HGC_27con	HGC_27004	NOTEST	0.13271	0.05608	-1.2427	1
LPAR5	HGC_27con	HGC_27004	NOTEST	0.18136	0.07697	-1.23645	1
SYN2	HGC_27con	HGC_27004	NOTEST	0.09214	0.03911	-1.23624	1
ELK3	HGC_27con	HGC_27004	OK	1.47943	0.62808	-1.23603	0.0275
COL4A6	HGC_27con	HGC_27004	NOTEST	0.03192	0.01356	-1.23569	1
THEM4	HGC_27con	HGC_27004	NOTEST	0.04552	0.01937	-1.23246	1
THBD	HGC_27con	HGC_27004	NOTEST	0.19678	0.08379	-1.23177	1
TGFBR2	HGC_27con	HGC_27004	NOTEST	0.05017	0.02137	-1.23147	1
ABCB5	HGC_27con	HGC_27004	OK	1.36556	0.58215	-1.23003	0.0228
LOC101448202	HGC_27con	HGC_27004	OK	0.8088	0.34494	-1.22945	0.6778
TMEM150B	HGC_27con	HGC_27004	NOTEST	0.14661	0.06266	-1.22638	1
SUGT1P3	HGC_27con	HGC_27004	OK	0.46942	0.20106	-1.22328	0.6542
SLC4A3	HGC_27con	HGC_27004	NOTEST	0.22032	0.09437	-1.22312	1
CGB1	HGC_27con	HGC_27004	OK	1.35817	0.58179	-1.22309	0.2109
LINC01252	HGC_27con	HGC_27004	NOTEST	0.1079	0.04622	-1.22305	1
CORIN	HGC_27con	HGC_27004	NOTEST	0.04989	0.0214	-1.22097	1
SNHG9	HGC_27con	HGC_27004	OK	25.4877	10.9399	-1.22021	0.1441
LOC105447645	HGC_27con	HGC_27004	NOTEST	0.30516	0.13101	-1.21986	1
TIMP3	HGC_27con	HGC_27004	OK	5.51227	2.37039	-1.21752	0.0007
TNFRSF6B	HGC_27con	HGC_27004	OK	3.3502	1.4434	-1.21478	0.4614
CCDC62	HGC_27con	HGC_27004	NOTEST	0.0697	0.03003	-1.21471	1
HEXA-AS1	HGC_27con	HGC_27004	NOTEST	0.07205	0.03111	-1.21166	1
EGFR	HGC_27con	HGC_27004	OK	0.79041	0.34141	-1.21111	0.0334
SEMA3B-AS1	HGC_27con	HGC_27004	OK	4.01437	1.73515	-1.21012	0.1732
VAMP8	HGC_27con	HGC_27004	OK	0.87621	0.37873	-1.21009	0.17
GJB2	HGC_27con	HGC_27004	OK	0.92126	0.39825	-1.20993	0.0827
MICALCL	HGC_27con	HGC_27004	NOTEST	0.0808	0.03496	-1.20853	1
PRSS23	HGC_27con	HGC_27004	OK	0.73831	0.31998	-1.20622	0.2428
TNC	HGC_27con	HGC_27004	OK	0.33829	0.14698	-1.20271	0.0511
UNC5D	HGC_27con	HGC_27004	OK	5.87463	2.55655	-1.2003	0.0002
SCAMP5	HGC_27con	HGC_27004	OK	0.50156	0.21832	-1.19998	0.1084
LOC100507002	HGC_27con	HGC_27004	OK	1.79025	0.77945	-1.19964	0.148
DDX26B-AS1	HGC_27con	HGC_27004	OK	1.13801	0.4957	-1.19896	0.6509
LINC00652	HGC_27con	HGC_27004	OK	0.59143	0.25773	-1.19834	0.3166
NPPA-AS1	HGC_27con	HGC_27004	NOTEST	0.29445	0.12842	-1.19711	1
TUBA3D	HGC_27con	HGC_27004	OK	0.41424	0.18099	-1.19459	0.6734
MKNK1-AS1	HGC_27con	HGC_27004	NOTEST	0.12116	0.05295	-1.19434	1
PCDHGC5	HGC_27con	HGC_27004	OK	0.35881	0.15689	-1.19347	0.6719
TSPAN18	HGC_27con	HGC_27004	NOTEST	0.21884	0.0957	-1.19326	1
HTR2C	HGC_27con	HGC_27004	NOTEST	0.21353	0.0935	-1.1914	1

LINC00637	HGC_27con	HGC_27004	NOTEST	0.22876	0.10023	-1.19051	1
PLGLB1,PLGLB2	HGC_27con	HGC_27004	NOTEST	0.01278	0.0056	-1.19022	1
C6orf223	HGC_27con	HGC_27004	OK	10.7438	4.70915	-1.18996	0.0005
MMP24	HGC_27con	HGC_27004	OK	0.46599	0.20443	-1.18865	0.3371
KISS1R	HGC_27con	HGC_27004	NOTEST	0.1071	0.04711	-1.18482	1
ZNF571-AS1	HGC_27con	HGC_27004	NOTEST	0.09907	0.04358	-1.18462	1
SSTR5	HGC_27con	HGC_27004	OK	0.44618	0.19631	-1.18451	0.2065
KCNA7	HGC_27con	HGC_27004	NOTEST	0.21092	0.09284	-1.18386	1
FRK	HGC_27con	HGC_27004	NOTEST	0.24639	0.1085	-1.18334	1
LEAP2	HGC_27con	HGC_27004	OK	1.53733	0.67816	-1.18073	0.1777
S100A1	HGC_27con	HGC_27004	OK	6.65679	2.93735	-1.18031	0.4479
C1QTNF5	HGC_27con	HGC_27004	NOTEST	0.06494	0.02867	-1.17966	1
LINC01503	HGC_27con	HGC_27004	OK	5.45201	2.41019	-1.17764	0.0741
ARSI	HGC_27con	HGC_27004	OK	0.3519	0.15572	-1.17623	0.1558
CAPS	HGC_27con	HGC_27004	OK	13.4478	5.95153	-1.17604	0.0586
UCN	HGC_27con	HGC_27004	OK	6.69833	2.96499	-1.17577	0.1165
DLX3	HGC_27con	HGC_27004	OK	30.6758	13.5788	-1.17574	5E-05
SMIM5	HGC_27con	HGC_27004	NOTEST	0.22077	0.09773	-1.17568	1
LOC400043	HGC_27con	HGC_27004	OK	0.5588	0.24755	-1.1746	0.212
TPSAB1	HGC_27con	HGC_27004	NOTEST	0.07351	0.03258	-1.17422	1
MYLK	HGC_27con	HGC_27004	OK	3.00863	1.33321	-1.1742	0.0202
LOC388780	HGC_27con	HGC_27004	NOTEST	0.12261	0.05433	-1.1742	1
LRRTM1	HGC_27con	HGC_27004	OK	2.91072	1.2899	-1.17411	0.0563
BSCL2	HGC_27con	HGC_27004	OK	1.27747	0.5663	-1.17365	0.49
IFITM2	HGC_27con	HGC_27004	OK	96.8626	42.9401	-1.17361	0.0002
SEPSECS-AS1	HGC_27con	HGC_27004	NOTEST	0.2532	0.11227	-1.17327	1
CARNS1	HGC_27con	HGC_27004	OK	1.73634	0.77006	-1.17301	0.0361
SNX20	HGC_27con	HGC_27004	OK	0.75302	0.33423	-1.17185	0.1095
CCDC166	HGC_27con	HGC_27004	NOTEST	0.25302	0.11237	-1.17096	1
BAMBI	HGC_27con	HGC_27004	OK	20.8971	9.28191	-1.17081	0.0006
KIAA1683	HGC_27con	HGC_27004	NOTEST	0.22973	0.10216	-1.16908	1
TMEM198	HGC_27con	HGC_27004	OK	1.68751	0.75083	-1.16835	0.5578
MASP1	HGC_27con	HGC_27004	OK	2.17255	0.9669	-1.16795	0.0141
CPA6	HGC_27con	HGC_27004	NOTEST	0.16738	0.0745	-1.16776	1
SERINC2	HGC_27con	HGC_27004	NOTEST	0.10849	0.04831	-1.16732	1
C15orf27	HGC_27con	HGC_27004	NOTEST	0.31394	0.13997	-1.16532	1
ZNF664-FAM101A	HGC_27con	HGC_27004	NOTEST	0.12062	0.05379	-1.165	1
M4SF19-TCTEX1D	HGC_27con	HGC_27004	OK	0.70704	0.31532	-1.16498	0.5317
DGKK	HGC_27con	HGC_27004	NOTEST	0.03782	0.01688	-1.16425	1
CEP83-AS1	HGC_27con	HGC_27004	NOTEST	0.12185	0.0544	-1.16358	1
TLE6	HGC_27con	HGC_27004	OK	5.16208	2.30458	-1.16345	0.011
MSX2	HGC_27con	HGC_27004	OK	56.454	25.2088	-1.16315	5E-05
RGL1	HGC_27con	HGC_27004	OK	2.43361	1.08672	-1.16311	0.0067
WDR63	HGC_27con	HGC_27004	NOTEST	0.06271	0.02802	-1.1625	1
TBX5-AS1	HGC_27con	HGC_27004	OK	0.32868	0.14686	-1.16227	0.3726
ZNF763	HGC_27con	HGC_27004	OK	0.45217	0.20212	-1.16161	0.1213
MIOX	HGC_27con	HGC_27004	OK	2.51518	1.12434	-1.16158	0.0768
PDIA2	HGC_27con	HGC_27004	OK	1.3267	0.59318	-1.16131	0.1094
APOC4	HGC_27con	HGC_27004	NOTEST	0.27497	0.12306	-1.15985	1
HSPB9	HGC_27con	HGC_27004	OK	0.91795	0.41094	-1.15948	0.3097
KIAA1671	HGC_27con	HGC_27004	OK	1.20337	0.53876	-1.15937	0.0078
PKP2	HGC_27con	HGC_27004	OK	1.35855	0.60874	-1.15817	0.0313
NFATC2	HGC_27con	HGC_27004	NOTEST	0.05788	0.02595	-1.15698	1
LOC102724312	HGC_27con	HGC_27004	NOTEST	0.19536	0.08765	-1.15622	1

RRAD	HGC_27con	HGC_27004	NOTEST	0.13437	0.06034	-1.15497	1
NPFF	HGC_27con	HGC_27004	OK	3.0744	1.38118	-1.1544	0.1112
PLK5	HGC_27con	HGC_27004	OK	0.33909	0.15235	-1.15424	0.2551
LOC100129083	HGC_27con	HGC_27004	NOTEST	0.15971	0.07195	-1.15038	1
ZNF233	HGC_27con	HGC_27004	NOTEST	0.16014	0.07215	-1.15036	1
PARD3B	HGC_27con	HGC_27004	OK	3.01298	1.35813	-1.14957	0.0014
CLDN5	HGC_27con	HGC_27004	NOTEST	0.07398	0.03336	-1.14919	1
LOC101929066	HGC_27con	HGC_27004	OK	2.10003	0.94835	-1.14692	0.7259
USP43	HGC_27con	HGC_27004	OK	1.37298	0.62025	-1.14639	0.0372
GOLGA8R	HGC_27con	HGC_27004	NOTEST	0.10356	0.0468	-1.14576	1
TTBK1	HGC_27con	HGC_27004	NOTEST	0.02759	0.01249	-1.14379	1
DEGS2	HGC_27con	HGC_27004	OK	2.61263	1.18272	-1.1434	0.1137
ZNF433	HGC_27con	HGC_27004	NOTEST	0.19307	0.0874	-1.14336	1
HIST4H4	HGC_27con	HGC_27004	NOTEST	0.32032	0.14501	-1.14335	1
ARHGEF37	HGC_27con	HGC_27004	OK	1.68885	0.76496	-1.14258	0.0157
SAP30L-AS1	HGC_27con	HGC_27004	NOTEST	0.20697	0.09376	-1.14243	1
CRYM	HGC_27con	HGC_27004	OK	4.99012	2.26188	-1.14155	0.0264
LOC102546298	HGC_27con	HGC_27004	OK	0.59948	0.27178	-1.14125	0.4684
SAMD11	HGC_27con	HGC_27004	OK	26.0816	11.8382	-1.13959	0.0379
GNG8	HGC_27con	HGC_27004	OK	1.63093	0.74033	-1.13946	0.2571
SH2D6	HGC_27con	HGC_27004	OK	0.65478	0.29754	-1.13791	0.2965
FLJ13224	HGC_27con	HGC_27004	NOTEST	0.14282	0.06493	-1.13724	1
C1S	HGC_27con	HGC_27004	OK	0.8474	0.38539	-1.13672	0.0693
RHD	HGC_27con	HGC_27004	NOTEST	0.14054	0.06395	-1.1361	1
C17orf74	HGC_27con	HGC_27004	NOTEST	0.05583	0.0254	-1.13598	1
CACNG7	HGC_27con	HGC_27004	NOTEST	0.04396	0.02001	-1.13553	1
C8orf31	HGC_27con	HGC_27004	OK	1.37026	0.6237	-1.13552	0.0962
SCIMP	HGC_27con	HGC_27004	NOTEST	0.1512	0.06885	-1.13488	1
ACTL7B	HGC_27con	HGC_27004	NOTEST	0.07003	0.03189	-1.13482	1
ZNF296	HGC_27con	HGC_27004	OK	0.48449	0.2207	-1.13435	0.2665
PCDH8	HGC_27con	HGC_27004	NOTEST	0.32219	0.14708	-1.13133	1
RAD9B	HGC_27con	HGC_27004	NOTEST	0.1099	0.05017	-1.13129	1
HCG17	HGC_27con	HGC_27004	OK	0.7281	0.33249	-1.13084	0.6929
TBX19	HGC_27con	HGC_27004	OK	0.63042	0.28804	-1.13002	0.1201
FLJ45513	HGC_27con	HGC_27004	OK	0.32942	0.15064	-1.12886	0.2315
TMEM178A	HGC_27con	HGC_27004	OK	0.95288	0.43593	-1.12819	0.1453
MRGPRF	HGC_27con	HGC_27004	NOTEST	0.04302	0.01968	-1.12809	1
HIST3H3	HGC_27con	HGC_27004	OK	0.4079	0.18664	-1.12796	0.2571
ACTG1P17	HGC_27con	HGC_27004	OK	0.53191	0.24352	-1.12711	0.2013
NKX2-4	HGC_27con	HGC_27004	NOTEST	0.07716	0.03536	-1.12557	1
PCSK9	HGC_27con	HGC_27004	OK	1.11525	0.51136	-1.12496	0.0704
HRH1	HGC_27con	HGC_27004	NOTEST	0.08249	0.03783	-1.12484	1
SP6	HGC_27con	HGC_27004	NOTEST	0.0368	0.01687	-1.12479	1
ALPP	HGC_27con	HGC_27004	NOTEST	0.05079	0.0233	-1.12412	1
LRRC74B	HGC_27con	HGC_27004	NOTEST	0.0226	0.01037	-1.12387	1
TMEM145	HGC_27con	HGC_27004	OK	0.39313	0.18039	-1.12385	0.2675
OGFR-AS1	HGC_27con	HGC_27004	OK	1.2213	0.56094	-1.1225	0.3476
MIR6126	HGC_27con	HGC_27004	OK	33.1446	15.2248	-1.12235	0.6502
CD79A	HGC_27con	HGC_27004	NOTEST	0.11751	0.05401	-1.12134	1
RNF126P1	HGC_27con	HGC_27004	NOTEST	0.08319	0.03825	-1.12094	1
HAPLN4	HGC_27con	HGC_27004	NOTEST	0.02857	0.01314	-1.12082	1
SSR4P1	HGC_27con	HGC_27004	OK	1.08754	0.50017	-1.12058	0.105
NATD1	HGC_27con	HGC_27004	OK	1.25927	0.57922	-1.1204	0.0411
ERAS	HGC_27con	HGC_27004	NOTEST	0.27751	0.12769	-1.1199	1

LOC100130417	HGC_27con	HGC_27004	OK	10.3445	4.76075	-1.1196	0.0062
SUSD2	HGC_27con	HGC_27004	NOTEST	0.10997	0.05064	-1.11885	1
TEX40	HGC_27con	HGC_27004	OK	0.35055	0.16143	-1.11875	0.4076
GNG7	HGC_27con	HGC_27004	OK	2.66867	1.22901	-1.11862	0.0127
PRCD	HGC_27con	HGC_27004	NOTEST	0.03696	0.01702	-1.11857	1
ASPN	HGC_27con	HGC_27004	NOTEST	0.27342	0.12599	-1.11785	1
CHGB	HGC_27con	HGC_27004	NOTEST	0.17176	0.07915	-1.11768	1
CGB8	HGC_27con	HGC_27004	NOTEST	0.14852	0.06845	-1.11763	1
FBLN5	HGC_27con	HGC_27004	OK	5.46872	2.52087	-1.11728	0.011
PODNL1	HGC_27con	HGC_27004	OK	0.38249	0.17642	-1.11643	0.6361
LOC100101148	HGC_27con	HGC_27004	OK	2.74294	1.26572	-1.11576	0.1489
LOC101929626	HGC_27con	HGC_27004	OK	2.09619	0.96738	-1.11561	0.6941
PROX1	HGC_27con	HGC_27004	NOTEST	0.1014	0.04681	-1.11527	1
SNORD94	HGC_27con	HGC_27004	OK	12.6801	5.85397	-1.11508	0.6401
SELENBP1	HGC_27con	HGC_27004	OK	170.78	78.8597	-1.11478	5E-05
PSMG3-AS1	HGC_27con	HGC_27004	OK	3.12941	1.44509	-1.11473	0.0064
CPNE6	HGC_27con	HGC_27004	NOTEST	0.06928	0.032	-1.11415	1
BEST2	HGC_27con	HGC_27004	NOTEST	0.11582	0.05357	-1.11248	1
RINL	HGC_27con	HGC_27004	NOTEST	0.14739	0.06819	-1.11198	1
C6orf132	HGC_27con	HGC_27004	NOTEST	0.00911	0.00422	-1.11127	1
HIPK1-AS1	HGC_27con	HGC_27004	NOTEST	0.05335	0.0247	-1.11076	1
ANKRD2	HGC_27con	HGC_27004	NOTEST	0.04285	0.01988	-1.10831	1
SOAT2	HGC_27con	HGC_27004	NOTEST	0.03957	0.01836	-1.1075	1
C16orf86	HGC_27con	HGC_27004	OK	0.58031	0.26938	-1.1072	0.2392
LOC101928979	HGC_27con	HGC_27004	OK	1.07987	0.50129	-1.10713	0.5683
EMP1	HGC_27con	HGC_27004	OK	7.00717	3.25358	-1.1068	0.0037
CCDC155	HGC_27con	HGC_27004	NOTEST	0.02516	0.01169	-1.10642	1
KIRREL2	HGC_27con	HGC_27004	NOTEST	0.05549	0.02578	-1.10617	1
BASP1	HGC_27con	HGC_27004	NOTEST	0.04091	0.01901	-1.10594	1
CYP46A1	HGC_27con	HGC_27004	NOTEST	0.15875	0.07379	-1.10519	1
CTNNA3	HGC_27con	HGC_27004	NOTEST	0.05396	0.02509	-1.10516	1
CITED4	HGC_27con	HGC_27004	OK	1.29584	0.60259	-1.10463	0.2404
MYO15A	HGC_27con	HGC_27004	NOTEST	0.03804	0.01769	-1.10436	1
CSDC2	HGC_27con	HGC_27004	OK	1.80843	0.84174	-1.10329	0.0674
KCNH6	HGC_27con	HGC_27004	NOTEST	0.03042	0.01416	-1.10317	1
ABAT	HGC_27con	HGC_27004	OK	1.46235	0.68102	-1.10251	0.0268
FAM166B	HGC_27con	HGC_27004	OK	0.35275	0.16433	-1.10209	0.6676
CYP2F1	HGC_27con	HGC_27004	NOTEST	0.15886	0.07404	-1.10133	1
GATSL3	HGC_27con	HGC_27004	OK	3.61316	1.68522	-1.10033	0.0685
LMX1B	HGC_27con	HGC_27004	NOTEST	0.04843	0.02261	-1.09929	1
KCNK6	HGC_27con	HGC_27004	NOTEST	0.02958	0.01381	-1.09914	1
USP6NL	HGC_27con	HGC_27004	OK	14.5681	6.8028	-1.09861	0.0008
PCDHB7	HGC_27con	HGC_27004	OK	0.34552	0.16161	-1.09626	0.169
CACNA1B	HGC_27con	HGC_27004	NOTEST	0.00736	0.00344	-1.09604	1
HIST1H3E	HGC_27con	HGC_27004	OK	4.77664	2.23453	-1.09603	0.2134
KRT5	HGC_27con	HGC_27004	NOTEST	0.02956	0.01384	-1.09485	1
FREM2	HGC_27con	HGC_27004	OK	11.9831	5.61305	-1.09414	5E-05
RAPGEF3	HGC_27con	HGC_27004	OK	2.48992	1.16664	-1.09374	0.006
MYOM2	HGC_27con	HGC_27004	OK	0.52815	0.24759	-1.09301	0.0784
AGT	HGC_27con	HGC_27004	NOTEST	0.09064	0.0425	-1.09276	1
LOC101928514	HGC_27con	HGC_27004	NOTEST	0.24238	0.11369	-1.09212	1
BLACAT1	HGC_27con	HGC_27004	OK	0.75673	0.35513	-1.09143	0.1109
LOC401357	HGC_27con	HGC_27004	NOTEST	0.03787	0.01778	-1.09108	1
CHRNA10	HGC_27con	HGC_27004	NOTEST	0.3135	0.14724	-1.09033	1

COL11A2	HGC_27con	HGC_27004	OK	0.68545	0.32195	-1.09023	0.1111
PRR29-AS1	HGC_27con	HGC_27004	NOTEST	0.02422	0.01138	-1.08954	1
ABHD1	HGC_27con	HGC_27004	NOTEST	0.12513	0.05881	-1.08929	1
ARHGAP30	HGC_27con	HGC_27004	NOTEST	0.07347	0.03454	-1.08889	1
LRRD1	HGC_27con	HGC_27004	NOTEST	0.07815	0.03677	-1.08762	1
TMEM42	HGC_27con	HGC_27004	OK	0.33137	0.15594	-1.08742	0.403
LOC101927100	HGC_27con	HGC_27004	OK	0.45946	0.21623	-1.08738	0.672
RSPH14	HGC_27con	HGC_27004	NOTEST	0.06087	0.02865	-1.08737	1
UNC13A	HGC_27con	HGC_27004	NOTEST	0.09825	0.04624	-1.08728	1
CMTM2	HGC_27con	HGC_27004	NOTEST	0.07784	0.03664	-1.08718	1
ZDHHC22	HGC_27con	HGC_27004	NOTEST	0.01842	0.00867	-1.08707	1
ASPA	HGC_27con	HGC_27004	NOTEST	0.299	0.14079	-1.08665	1
LINC00235	HGC_27con	HGC_27004	OK	1.87688	0.88407	-1.0861	0.3182
SULT4A1	HGC_27con	HGC_27004	NOTEST	0.08729	0.04112	-1.08607	1
MUC20	HGC_27con	HGC_27004	OK	0.78708	0.37078	-1.08595	0.147
STRC	HGC_27con	HGC_27004	NOTEST	0.2398	0.11297	-1.08586	1
LOXL4	HGC_27con	HGC_27004	NOTEST	0.01884	0.00888	-1.08583	1
LIPE	HGC_27con	HGC_27004	NOTEST	0.0967	0.04557	-1.08551	1
CDRT15	HGC_27con	HGC_27004	OK	0.35415	0.16693	-1.08512	0.4694
ZACN	HGC_27con	HGC_27004	NOTEST	0.06347	0.02994	-1.08406	1
LMO2	HGC_27con	HGC_27004	NOTEST	0.09975	0.04705	-1.08405	1
OLFM1	HGC_27con	HGC_27004	OK	5.18646	2.4474	-1.0835	0.0326
MAST4	HGC_27con	HGC_27004	OK	0.71723	0.3386	-1.08284	0.2117
LOC101928738	HGC_27con	HGC_27004	OK	0.77915	0.36787	-1.0827	0.2957
TTC12	HGC_27con	HGC_27004	OK	0.77324	0.36512	-1.08255	0.1195
LOC101927592	HGC_27con	HGC_27004	OK	0.40574	0.19162	-1.0823	0.2519
DNM1P35	HGC_27con	HGC_27004	NOTEST	0.07189	0.03396	-1.08202	1
CYP2A6	HGC_27con	HGC_27004	NOTEST	0.04322	0.02041	-1.08193	1
RAPGEFL1	HGC_27con	HGC_27004	OK	1.20912	0.57136	-1.08149	0.0646
LOC284080	HGC_27con	HGC_27004	NOTEST	0.02346	0.01109	-1.08123	1
APOA1	HGC_27con	HGC_27004	NOTEST	0.09967	0.04712	-1.08089	1
HCST	HGC_27con	HGC_27004	OK	3.95022	1.86763	-1.08072	0.2381
CCT8L2	HGC_27con	HGC_27004	NOTEST	0.03361	0.0159	-1.08022	1
TUBB1	HGC_27con	HGC_27004	OK	0.47903	0.22658	-1.08007	0.134
SOCS2-AS1	HGC_27con	HGC_27004	OK	0.75225	0.35602	-1.07926	0.3752
MIR762	HGC_27con	HGC_27004	OK	517.029	244.702	-1.07922	0.6683
ALS2CR12	HGC_27con	HGC_27004	OK	0.35245	0.16681	-1.07918	0.1714
ABCG8	HGC_27con	HGC_27004	NOTEST	0.02885	0.01367	-1.07771	1
TCEAL3	HGC_27con	HGC_27004	NOTEST	0.07623	0.03612	-1.07757	1
DNAAF1	HGC_27con	HGC_27004	NOTEST	0.07638	0.0362	-1.07713	1
LOC100506476	HGC_27con	HGC_27004	OK	2.70804	1.28475	-1.07576	0.1223
TSSK1B	HGC_27con	HGC_27004	NOTEST	0.02959	0.01404	-1.07565	1
GNLY	HGC_27con	HGC_27004	NOTEST	0.08719	0.04137	-1.07556	1
CHRD	HGC_27con	HGC_27004	OK	0.49432	0.23465	-1.07496	0.1417
HLA-DMA	HGC_27con	HGC_27004	OK	5.05042	2.3979	-1.07463	0.0628
MXD1	HGC_27con	HGC_27004	OK	3.84871	1.82761	-1.07442	0.0051
CRYBB2	HGC_27con	HGC_27004	NOTEST	0.20601	0.09788	-1.07358	1
GSG1L	HGC_27con	HGC_27004	NOTEST	0.01609	0.00764	-1.07331	1
IRF5	HGC_27con	HGC_27004	NOTEST	0.02849	0.01354	-1.07318	1
HRH4	HGC_27con	HGC_27004	NOTEST	0.08079	0.03845	-1.07117	1
PBXIP1	HGC_27con	HGC_27004	OK	6.59958	3.14124	-1.07104	0.0028
APOBEC3A	HGC_27con	HGC_27004	NOTEST	0.27055	0.12881	-1.07067	1
GPRC5D	HGC_27con	HGC_27004	OK	0.35094	0.16715	-1.07008	0.4108
ACOX2	HGC_27con	HGC_27004	NOTEST	0.06337	0.03019	-1.06991	1

MIR219A1	HGC_27con	HGC_27004	OK	25.5688	12.1819	-1.06965	0.2571
HLA-DMB	HGC_27con	HGC_27004	NOTEST	0.05185	0.02471	-1.06965	1
CDYL2	HGC_27con	HGC_27004	NOTEST	0.20357	0.097	-1.0695	1
HIST1H2BB	HGC_27con	HGC_27004	NOTEST	0.31933	0.15222	-1.0689	1
CTGF	HGC_27con	HGC_27004	OK	2.16659	1.03294	-1.06866	0.0721
WFDC3	HGC_27con	HGC_27004	NOTEST	0.14565	0.06944	-1.06866	1
MAT1A	HGC_27con	HGC_27004	NOTEST	0.13442	0.06411	-1.06816	1
ZNF880	HGC_27con	HGC_27004	OK	0.61763	0.29493	-1.06638	0.1396
CNR1	HGC_27con	HGC_27004	OK	1.23983	0.59235	-1.06561	0.0458
BAGE5	HGC_27con	HGC_27004	OK	2.4972	1.19401	-1.06449	0.1459
SEPP1	HGC_27con	HGC_27004	OK	2.38326	1.13957	-1.06445	0.0539
TAL2	HGC_27con	HGC_27004	NOTEST	0.14132	0.06758	-1.06428	1
PCDHA13	HGC_27con	HGC_27004	NOTEST	0.03558	0.01702	-1.06407	1
ACAP1	HGC_27con	HGC_27004	OK	0.34663	0.16593	-1.06285	0.2058
SPAG17	HGC_27con	HGC_27004	NOTEST	0.04749	0.02273	-1.06279	1
MALL	HGC_27con	HGC_27004	NOTEST	0.04982	0.02389	-1.06045	1
NXPH3	HGC_27con	HGC_27004	OK	0.55778	0.26745	-1.0604	0.0896
ADAMTS7	HGC_27con	HGC_27004	OK	0.69257	0.33214	-1.06017	0.0951
HCAR1	HGC_27con	HGC_27004	NOTEST	0.08207	0.03936	-1.0601	1
PTGES	HGC_27con	HGC_27004	OK	2.24345	1.076	-1.06004	0.0895
CCDC162P	HGC_27con	HGC_27004	OK	1.78369	0.85607	-1.05906	0.224
BMP4	HGC_27con	HGC_27004	OK	3.59225	1.72441	-1.05878	0.0333
AZGP1	HGC_27con	HGC_27004	NOTEST	0.08769	0.0421	-1.05854	1
LOC101927322	HGC_27con	HGC_27004	NOTEST	0.1638	0.07866	-1.05811	1
LOC653712	HGC_27con	HGC_27004	OK	0.42133	0.20236	-1.05804	0.323
GFI1B	HGC_27con	HGC_27004	NOTEST	0.05396	0.02592	-1.05784	1
PDGFB	HGC_27con	HGC_27004	OK	1.54717	0.74341	-1.0574	0.0701
WAS	HGC_27con	HGC_27004	OK	1.33465	0.64137	-1.05723	0.1154
SERPINF2	HGC_27con	HGC_27004	NOTEST	0.29664	0.14261	-1.05667	1
LOC100128568	HGC_27con	HGC_27004	NOTEST	0.1108	0.05328	-1.05626	1
ELN	HGC_27con	HGC_27004	OK	0.52293	0.2516	-1.05546	0.1116
DLL3	HGC_27con	HGC_27004	OK	0.91001	0.43785	-1.05543	0.1923
IL2RG	HGC_27con	HGC_27004	NOTEST	0.04619	0.02224	-1.05439	1
PNCK	HGC_27con	HGC_27004	OK	1.23293	0.59394	-1.0537	0.1421
MUC3A	HGC_27con	HGC_27004	OK	0.41856	0.20179	-1.05254	0.1426
NOS1	HGC_27con	HGC_27004	NOTEST	0.00575	0.00277	-1.05205	1
TBC1D8B	HGC_27con	HGC_27004	OK	1.70741	0.82362	-1.05177	0.0359
HIST1H3A	HGC_27con	HGC_27004	OK	0.40016	0.19311	-1.05113	0.2571
MCF2L-AS1	HGC_27con	HGC_27004	NOTEST	0.06246	0.03015	-1.05079	1
ANKRD42	HGC_27con	HGC_27004	OK	2.32104	1.12091	-1.0501	0.0274
CHADL	HGC_27con	HGC_27004	NOTEST	0.30473	0.14721	-1.04969	1
LOC100996583	HGC_27con	HGC_27004	NOTEST	0.09863	0.04765	-1.04967	1
SBSPON	HGC_27con	HGC_27004	OK	0.48571	0.23467	-1.04948	0.149
LOC105274304	HGC_27con	HGC_27004	OK	0.42637	0.20616	-1.04836	0.5716
SNCA-AS1	HGC_27con	HGC_27004	NOTEST	0.07617	0.03686	-1.04716	1
EPB41L1	HGC_27con	HGC_27004	OK	1.83641	0.88892	-1.04677	0.011
TBC1D26	HGC_27con	HGC_27004	NOTEST	0.03409	0.0165	-1.04677	1
IGFL4	HGC_27con	HGC_27004	NOTEST	0.20584	0.09966	-1.0464	1
MIR600	HGC_27con	HGC_27004	OK	55.4693	26.8626	-1.04609	0.5731
SIDT2	HGC_27con	HGC_27004	OK	12.7067	6.15534	-1.04568	0.002
LGALS9	HGC_27con	HGC_27004	NOTEST	0.27975	0.13555	-1.04536	1
ALDH8A1	HGC_27con	HGC_27004	NOTEST	0.07871	0.03814	-1.04527	1
SUCLG2-AS1	HGC_27con	HGC_27004	OK	0.34994	0.16962	-1.04483	0.3663
NTF3	HGC_27con	HGC_27004	OK	2.02518	0.98198	-1.04429	0.116

GALNTL6	HGC_27con	HGC_27004	NOTEST	0.02033	0.00986	-1.04415	1
TPM1	HGC_27con	HGC_27004	OK	25.8761	12.5519	-1.04371	0.0006
HLA-F-AS1	HGC_27con	HGC_27004	OK	4.15195	2.01407	-1.04368	0.207
RND1	HGC_27con	HGC_27004	OK	0.50591	0.24547	-1.0433	0.2066
LOC101927437	HGC_27con	HGC_27004	NOTEST	0.15918	0.07724	-1.0433	1
LOC101927683	HGC_27con	HGC_27004	NOTEST	0.02208	0.01072	-1.04234	1
PIRT	HGC_27con	HGC_27004	NOTEST	0.01856	0.00901	-1.04167	1
MGAT5B	HGC_27con	HGC_27004	NOTEST	0.14938	0.07265	-1.03999	1
HOXB8	HGC_27con	HGC_27004	OK	1.00303	0.48803	-1.03934	0.1872
C6orf165	HGC_27con	HGC_27004	OK	0.39061	0.19008	-1.0391	0.2089
PCDHGA12	HGC_27con	HGC_27004	NOTEST	0.11204	0.05453	-1.03893	1
GALNT15	HGC_27con	HGC_27004	NOTEST	0.0386	0.01879	-1.03845	1
FXYD1	HGC_27con	HGC_27004	OK	42.9655	20.9216	-1.03819	0.0094
RUNX1-IT1	HGC_27con	HGC_27004	NOTEST	0.04438	0.02161	-1.03813	1
LOC285696	HGC_27con	HGC_27004	NOTEST	0.0218	0.01061	-1.03809	1
RAD21-AS1	HGC_27con	HGC_27004	OK	0.68716	0.33465	-1.038	0.7046
TF	HGC_27con	HGC_27004	NOTEST	0.04406	0.02146	-1.03791	1
TRIM51	HGC_27con	HGC_27004	OK	1.83422	0.89335	-1.03788	0.0854
CFAP69	HGC_27con	HGC_27004	NOTEST	0.18676	0.09096	-1.0378	1
CHRNA4	HGC_27con	HGC_27004	OK	0.63668	0.31018	-1.03745	0.0938
DNAI1	HGC_27con	HGC_27004	NOTEST	0.02054	0.01001	-1.03712	1
LYPD3	HGC_27con	HGC_27004	OK	0.40598	0.19807	-1.03539	0.2895
NDUFB2-AS1	HGC_27con	HGC_27004	OK	0.87831	0.42858	-1.03517	0.5278
PAPLN	HGC_27con	HGC_27004	OK	0.93897	0.45818	-1.03516	0.0714
AKAP3	HGC_27con	HGC_27004	NOTEST	0.01478	0.00721	-1.03464	1
DISC1-IT1	HGC_27con	HGC_27004	NOTEST	0.2192	0.10704	-1.03413	1
EXTL1	HGC_27con	HGC_27004	OK	1.27303	0.62235	-1.03247	0.0748
DTNA	HGC_27con	HGC_27004	NOTEST	0.04263	0.02085	-1.03154	1
PTPN7	HGC_27con	HGC_27004	NOTEST	0.03763	0.01841	-1.03118	1
FBN3	HGC_27con	HGC_27004	OK	0.94149	0.46102	-1.03011	0.0403
LOC101929372	HGC_27con	HGC_27004	NOTEST	0.03872	0.01898	-1.02863	1
ANXA3	HGC_27con	HGC_27004	NOTEST	0.03554	0.01743	-1.02789	1
MKX-AS1	HGC_27con	HGC_27004	NOTEST	0.13953	0.06847	-1.02696	1
LIX1	HGC_27con	HGC_27004	OK	19.3749	9.50841	-1.02691	0.0004
SOX2	HGC_27con	HGC_27004	NOTEST	0.029	0.01424	-1.02631	1
PLEKHH2	HGC_27con	HGC_27004	OK	2.73258	1.34249	-1.02535	0.0046
CALB2	HGC_27con	HGC_27004	OK	9.6412	4.73674	-1.02532	0.0092
PIP5K1P1	HGC_27con	HGC_27004	NOTEST	0.0157	0.00772	-1.02499	1
LINC00870	HGC_27con	HGC_27004	NOTEST	0.02293	0.01128	-1.02299	1
LOC151475	HGC_27con	HGC_27004	NOTEST	0.09086	0.04472	-1.02283	1
GRM7	HGC_27con	HGC_27004	NOTEST	0.01691	0.00833	-1.02274	1
BACH2	HGC_27con	HGC_27004	NOTEST	0.01496	0.00736	-1.02214	1
COL6A3	HGC_27con	HGC_27004	NOTEST	0.10374	0.05109	-1.02174	1
LINC00937	HGC_27con	HGC_27004	OK	0.64705	0.31893	-1.02062	0.3881
A2M	HGC_27con	HGC_27004	NOTEST	0.10104	0.04981	-1.02033	1
LOC400958	HGC_27con	HGC_27004	NOTEST	0.03412	0.01683	-1.01994	1
F10-AS1	HGC_27con	HGC_27004	NOTEST	0.31419	0.15499	-1.01944	1
UBQLNL	HGC_27con	HGC_27004	NOTEST	0.03	0.01482	-1.01779	1
HAR1B	HGC_27con	HGC_27004	NOTEST	0.09739	0.04815	-1.01607	1
PTPRG-AS1	HGC_27con	HGC_27004	NOTEST	0.30615	0.15139	-1.01601	1
LINC01567	HGC_27con	HGC_27004	NOTEST	0.02906	0.01437	-1.01593	1
LOC101928370	HGC_27con	HGC_27004	NOTEST	0.0558	0.02761	-1.01512	1
LINC00243	HGC_27con	HGC_27004	NOTEST	0.02505	0.0124	-1.01488	1
LOC101928174	HGC_27con	HGC_27004	NOTEST	0.02271	0.01124	-1.01487	1

SLC25A52	HGC_27con	HGC_27004	NOTEST	0.05534	0.02738	-1.01485	1
INSL3	HGC_27con	HGC_27004	OK	2.99707	1.48411	-1.01395	0.186
KRTAP20-4	HGC_27con	HGC_27004	OK	2.0351	1.00838	-1.01306	0.2571
LOC101929268	HGC_27con	HGC_27004	NOTEST	0.09166	0.04545	-1.01205	1
SEMA3B	HGC_27con	HGC_27004	OK	11.9652	5.93556	-1.01139	0.0047
EID3	HGC_27con	HGC_27004	NOTEST	0.12429	0.06165	-1.01139	1
XRCC6P5	HGC_27con	HGC_27004	NOTEST	0.05634	0.02795	-1.01107	1
LOC400706	HGC_27con	HGC_27004	NOTEST	0.01927	0.00956	-1.01094	1
SCG2	HGC_27con	HGC_27004	NOTEST	0.03753	0.01863	-1.01061	1
LOC101927915	HGC_27con	HGC_27004	NOTEST	0.22573	0.11212	-1.00963	1
KIZ-AS1	HGC_27con	HGC_27004	NOTEST	0.06161	0.0306	-1.00961	1
CFB	HGC_27con	HGC_27004	NOTEST	0.28641	0.14236	-1.00855	1
GHET1	HGC_27con	HGC_27004	OK	0.37804	0.18792	-1.00839	0.2275
PLLP	HGC_27con	HGC_27004	OK	2.88312	1.4337	-1.00789	0.1158
LOC399715	HGC_27con	HGC_27004	NOTEST	0.05272	0.02622	-1.00753	1
C1RL	HGC_27con	HGC_27004	OK	1.37918	0.68604	-1.00745	0.0828
MAGIX	HGC_27con	HGC_27004	NOTEST	0.18578	0.09244	-1.00706	1
LINC01291	HGC_27con	HGC_27004	NOTEST	0.31505	0.1568	-1.00666	1
PPIAL4G	HGC_27con	HGC_27004	NOTEST	0.23263	0.11578	-1.0066	1
C10orf25	HGC_27con	HGC_27004	OK	1.22477	0.60964	-1.00649	0.6015
PRUNE2	HGC_27con	HGC_27004	OK	3.75474	1.8698	-1.00583	0.0073
NDUFC2-KCTD14	HGC_27con	HGC_27004	NOTEST	0.18083	0.09005	-1.00582	1
C3AR1	HGC_27con	HGC_27004	NOTEST	0.04417	0.022	-1.00544	1
DIO1	HGC_27con	HGC_27004	NOTEST	0.08095	0.04033	-1.0053	1
HES2	HGC_27con	HGC_27004	OK	0.76122	0.37927	-1.00506	0.1041
NXPH1	HGC_27con	HGC_27004	NOTEST	0.02502	0.01247	-1.00471	1
CES3	HGC_27con	HGC_27004	OK	4.01782	2.00247	-1.00463	0.0151
POLN	HGC_27con	HGC_27004	NOTEST	0.20214	0.10087	-1.00289	1
MYOF	HGC_27con	HGC_27004	OK	5.51394	2.7522	-1.0025	0.0016
TAS2R3	HGC_27con	HGC_27004	NOTEST	0.08007	0.03998	-1.00206	1
MSX2P1	HGC_27con	HGC_27004	NOTEST	0.03514	0.01755	-1.00204	1
SYNE1-AS1	HGC_27con	HGC_27004	NOTEST	0.30264	0.15118	-1.00128	1
C10orf32-ASMT	HGC_27con	HGC_27004	OK	0.87253	0.43595	-1.00104	0.3071
P2RX7	HGC_27con	HGC_27004	OK	0.40694	0.20337	-1.00069	0.1216
HAVCR2	HGC_27con	HGC_27004	NOTEST	0.02788	0.01394	-1	1
LINC-ROR	HGC_27con	HGC_27004	NOTEST	0.02143	0.01072	-0.999922	1
BIRC3	HGC_27con	HGC_27004	NOTEST	0.08238	0.04121	-0.999263	1
SETSIP	HGC_27con	HGC_27004	NOTEST	0.04579	0.02291	-0.998945	1
C8G	HGC_27con	HGC_27004	OK	1.57191	0.78659	-0.998837	0.2751
TSPAN10	HGC_27con	HGC_27004	OK	7.23487	3.62206	-0.998156	0.0419
TMEM45B	HGC_27con	HGC_27004	NOTEST	0.06653	0.03332	-0.997461	1
PCSK5	HGC_27con	HGC_27004	OK	2.14396	1.07389	-0.99744	0.018
F11R	HGC_27con	HGC_27004	OK	0.88609	0.44398	-0.996958	0.0878
ALDOB	HGC_27con	HGC_27004	NOTEST	0.0858	0.04301	-0.99628	1
ZRANB2-AS2	HGC_27con	HGC_27004	NOTEST	0.27889	0.13988	-0.995517	1
OR10A5	HGC_27con	HGC_27004	NOTEST	0.13235	0.06642	-0.994534	1
HSD3BP4	HGC_27con	HGC_27004	NOTEST	0.01381	0.00693	-0.993487	1
DAPL1	HGC_27con	HGC_27004	NOTEST	0.2967	0.14904	-0.993317	1
LOC100506125	HGC_27con	HGC_27004	OK	0.57351	0.28814	-0.993071	0.4722
LOC403312	HGC_27con	HGC_27004	NOTEST	0.0185	0.0093	-0.992411	1
RTN2	HGC_27con	HGC_27004	OK	2.89489	1.45514	-0.992344	0.1027
LOC101928794	HGC_27con	HGC_27004	NOTEST	0.08902	0.04477	-0.991415	1
CGB7	HGC_27con	HGC_27004	OK	3.96356	1.99362	-0.991409	0.1656
CD226	HGC_27con	HGC_27004	NOTEST	0.02389	0.01202	-0.990903	1

LBX1-AS1	HGC_27con	HGC_27004	OK	0.35437	0.17833	-0.990717	0.3934
PPP1R3B	HGC_27con	HGC_27004	OK	1.78045	0.89654	-0.989796	0.0326
ADAM21	HGC_27con	HGC_27004	NOTEST	0.07511	0.03782	-0.989724	1
THBS1	HGC_27con	HGC_27004	OK	1.14976	0.57907	-0.98952	0.0354
LAMB4	HGC_27con	HGC_27004	NOTEST	0.00988	0.00498	-0.989202	1
THSD4	HGC_27con	HGC_27004	OK	5.26214	2.65098	-0.989126	0.0016
MIR6073	HGC_27con	HGC_27004	OK	12.8682	6.48608	-0.988392	0.4899
LOC101928150	HGC_27con	HGC_27004	NOTEST	0.02367	0.01193	-0.988338	1
ITPR1-AS1	HGC_27con	HGC_27004	NOTEST	0.19263	0.09711	-0.988059	1
TM7SF2	HGC_27con	HGC_27004	OK	41.782	21.0646	-0.988058	0.1433
CPB2	HGC_27con	HGC_27004	NOTEST	0.04468	0.02253	-0.987963	1
CASC18	HGC_27con	HGC_27004	NOTEST	0.02598	0.0131	-0.98796	1
LOC441204	HGC_27con	HGC_27004	OK	0.82356	0.41535	-0.987523	0.2179
PIK3IP1	HGC_27con	HGC_27004	OK	3.25778	1.64351	-0.987111	0.0347
MMP1	HGC_27con	HGC_27004	NOTEST	0.0319	0.0161	-0.986869	1
WNT4	HGC_27con	HGC_27004	OK	2.67528	1.34997	-0.986764	0.0222
HRAT56	HGC_27con	HGC_27004	NOTEST	0.01663	0.00839	-0.986239	1
CCL2	HGC_27con	HGC_27004	OK	1.46222	0.73843	-0.985634	0.2693
CCDC144NL	HGC_27con	HGC_27004	NOTEST	0.286	0.14444	-0.985517	1
CHPF	HGC_27con	HGC_27004	OK	29.7588	15.0302	-0.985452	0.0014
IGF2BP2-AS1	HGC_27con	HGC_27004	NOTEST	0.04093	0.02068	-0.985027	1
LOC613266	HGC_27con	HGC_27004	NOTEST	0.03151	0.01592	-0.985013	1
GYS2	HGC_27con	HGC_27004	NOTEST	0.01865	0.00942	-0.98472	1
TFAP2A-AS1	HGC_27con	HGC_27004	OK	1.98104	1.00107	-0.984719	0.5353
IFIT3	HGC_27con	HGC_27004	OK	0.89052	0.45026	-0.983884	0.1107
LYPLAL1-AS1	HGC_27con	HGC_27004	NOTEST	0.0425	0.02149	-0.983753	1
HSPB7	HGC_27con	HGC_27004	OK	2.25633	1.14161	-0.982904	0.0548
WEE2	HGC_27con	HGC_27004	NOTEST	0.03813	0.01931	-0.981922	1
KRTCAP3	HGC_27con	HGC_27004	OK	1.06078	0.53719	-0.981631	0.691
NPR1	HGC_27con	HGC_27004	NOTEST	0.19599	0.09929	-0.981059	1
GCNT2	HGC_27con	HGC_27004	NOTEST	0.04011	0.02033	-0.980742	1
IL17D	HGC_27con	HGC_27004	OK	2.58371	1.30928	-0.980675	0.1172
LINC00571	HGC_27con	HGC_27004	OK	0.48712	0.24704	-0.979571	0.5355
OSTCP1	HGC_27con	HGC_27004	OK	0.3558	0.18051	-0.978977	0.4178
COL5A1	HGC_27con	HGC_27004	OK	33.4228	16.9577	-0.978892	0.0002
STAG3L1	HGC_27con	HGC_27004	NOTEST	0.18517	0.09396	-0.978746	1
ANGPTL6	HGC_27con	HGC_27004	OK	0.47765	0.24242	-0.978463	0.484
PGBD3	HGC_27con	HGC_27004	OK	0.34005	0.17266	-0.977813	0.5922
DISC2	HGC_27con	HGC_27004	NOTEST	0.01307	0.00664	-0.977433	1
REPS2	HGC_27con	HGC_27004	NOTEST	0.01786	0.00908	-0.976697	1
PIK3CD-AS2	HGC_27con	HGC_27004	OK	12.1635	6.18309	-0.976156	0.6371
DNAH7	HGC_27con	HGC_27004	NOTEST	0.15833	0.08049	-0.976022	1
SLC22A15	HGC_27con	HGC_27004	NOTEST	0.08814	0.04483	-0.975208	1
COL1A1	HGC_27con	HGC_27004	OK	258.205	131.379	-0.974779	0.0004
C10orf91	HGC_27con	HGC_27004	OK	0.72721	0.37025	-0.973874	0.3934
ADAMTS9-AS2	HGC_27con	HGC_27004	NOTEST	0.02905	0.0148	-0.972982	1
ADRA2A	HGC_27con	HGC_27004	NOTEST	0.16205	0.08258	-0.972536	1
SCOC-AS1	HGC_27con	HGC_27004	NOTEST	0.07321	0.03732	-0.972212	1
FAM92A1P2	HGC_27con	HGC_27004	NOTEST	0.02689	0.01371	-0.972176	1
SMCO1	HGC_27con	HGC_27004	NOTEST	0.03541	0.01807	-0.970867	1
RUNDC3B	HGC_27con	HGC_27004	NOTEST	0.06648	0.03393	-0.970499	1
BICC1	HGC_27con	HGC_27004	NOTEST	0.02319	0.01184	-0.970386	1
TMEM156	HGC_27con	HGC_27004	NOTEST	0.03303	0.01686	-0.970311	1
HNRNPA3P1	HGC_27con	HGC_27004	NOTEST	0.03938	0.0201	-0.969909	1

PLS3-AS1	HGC_27con	HGC_27004	NOTEST	0.04656	0.02377	-0.96989	1
GMCL1P1	HGC_27con	HGC_27004	NOTEST	0.12555	0.06413	-0.969132	1
GRIK4	HGC_27con	HGC_27004	NOTEST	0.13988	0.07146	-0.969104	1
LGALS12	HGC_27con	HGC_27004	OK	0.36981	0.18891	-0.969062	0.2903
SCARNA9	HGC_27con	HGC_27004	OK	1.45772	0.74563	-0.967191	0.6741
RNF144B	HGC_27con	HGC_27004	OK	2.54818	1.3044	-0.966078	0.0227
MIR137HG	HGC_27con	HGC_27004	NOTEST	0.0327	0.01675	-0.965456	1
NIPAL3	HGC_27con	HGC_27004	OK	1.38405	0.70936	-0.964302	0.0469
RBM26-AS1	HGC_27con	HGC_27004	NOTEST	0.09761	0.05004	-0.964025	1
KNDC1	HGC_27con	HGC_27004	OK	0.42689	0.21888	-0.96372	0.1513
LOC101928597	HGC_27con	HGC_27004	NOTEST	0.07618	0.03908	-0.963084	1
LINC01450	HGC_27con	HGC_27004	NOTEST	0.01989	0.01021	-0.962492	1
LOC101243545	HGC_27con	HGC_27004	NOTEST	0.04108	0.02108	-0.962373	1
LOC283299	HGC_27con	HGC_27004	NOTEST	0.02887	0.01481	-0.96234	1
SP7	HGC_27con	HGC_27004	OK	0.35233	0.18109	-0.960218	0.2334
LOC104968399	HGC_27con	HGC_27004	OK	5.80373	2.98374	-0.959858	0.6801
SAT1	HGC_27con	HGC_27004	OK	9.85208	5.06606	-0.959564	0.0325
KCNMB2	HGC_27con	HGC_27004	NOTEST	0.05835	0.03001	-0.959217	1
MYH15	HGC_27con	HGC_27004	OK	0.43426	0.22348	-0.958414	0.0947
NKPD1	HGC_27con	HGC_27004	OK	0.61352	0.31576	-0.958263	0.1474
GTF2IP4	HGC_27con	HGC_27004	NOTEST	0.16037	0.08254	-0.958147	1
TMPRSS5	HGC_27con	HGC_27004	NOTEST	0.30638	0.15773	-0.957836	1
SLC34A3	HGC_27con	HGC_27004	OK	2.09849	1.08056	-0.957574	0.124
MYO15B	HGC_27con	HGC_27004	OK	1.25529	0.64696	-0.956267	0.2432
SLC26A4-AS1	HGC_27con	HGC_27004	NOTEST	0.02068	0.01066	-0.956014	1
GPR183	HGC_27con	HGC_27004	NOTEST	0.04264	0.02198	-0.955775	1
COLQ	HGC_27con	HGC_27004	NOTEST	0.26185	0.13504	-0.95531	1
EXTL3-AS1	HGC_27con	HGC_27004	OK	0.63511	0.32758	-0.955146	0.3934
IRAK3	HGC_27con	HGC_27004	NOTEST	0.00831	0.00429	-0.95433	1
LBHD1	HGC_27con	HGC_27004	OK	3.63671	1.87866	-0.952927	0.4236
PVRL3-AS1	HGC_27con	HGC_27004	NOTEST	0.06928	0.03579	-0.952893	1
SPATA45	HGC_27con	HGC_27004	OK	0.3917	0.20247	-0.952074	0.625
LINC01205	HGC_27con	HGC_27004	NOTEST	0.06651	0.03439	-0.951518	1
IQCD	HGC_27con	HGC_27004	OK	0.43907	0.22715	-0.950818	0.2765
LMF1-AS1	HGC_27con	HGC_27004	NOTEST	0.20983	0.10862	-0.949989	1
LOC100335030	HGC_27con	HGC_27004	NOTEST	0.19764	0.10236	-0.94923	1
TEN1-CDK3	HGC_27con	HGC_27004	OK	3.49097	1.80842	-0.948897	0.2279
FRAT1	HGC_27con	HGC_27004	OK	2.88322	1.49373	-0.948767	0.0726
ADAMTSL4	HGC_27con	HGC_27004	NOTEST	0.1938	0.10046	-0.947934	1
DEPTOR	HGC_27con	HGC_27004	OK	24.0383	12.4643	-0.947528	0.001
EPS8L2	HGC_27con	HGC_27004	OK	1.48759	0.77178	-0.946724	0.0972
PABPC5	HGC_27con	HGC_27004	NOTEST	0.02302	0.01195	-0.945892	1
TRIM46	HGC_27con	HGC_27004	OK	0.43438	0.22553	-0.94565	0.1893
ZNF224	HGC_27con	HGC_27004	NOTEST	0.27922	0.14502	-0.945135	1
LMLN-AS1	HGC_27con	HGC_27004	OK	0.40328	0.20956	-0.944394	0.4592
MIR3074	HGC_27con	HGC_27004	OK	108.677	56.4979	-0.943781	0.7315
PNPLA7	HGC_27con	HGC_27004	OK	0.5321	0.27664	-0.943706	0.1398
LOC101926897	HGC_27con	HGC_27004	NOTEST	0.01819	0.00946	-0.943071	1
ADAM32	HGC_27con	HGC_27004	NOTEST	0.0454	0.02363	-0.94245	1
MAP3K5	HGC_27con	HGC_27004	OK	4.52275	2.35391	-0.942139	0.0063
STMN3	HGC_27con	HGC_27004	OK	23.1248	12.0403	-0.941567	0.0035
SEMA4F	HGC_27con	HGC_27004	OK	0.53018	0.27615	-0.94102	0.11
GPER1	HGC_27con	HGC_27004	OK	19.1431	9.97113	-0.940997	0.0429
IL23A	HGC_27con	HGC_27004	OK	0.86764	0.45219	-0.940173	0.2515

USP44	HGC_27con	HGC_27004	NOTEST	0.01913	0.00997	-0.940117	1
IL7R	HGC_27con	HGC_27004	NOTEST	0.24296	0.12665	-0.939914	1
LINC00893	HGC_27con	HGC_27004	OK	0.43032	0.22431	-0.939898	0.2455
PDIA3P1	HGC_27con	HGC_27004	OK	0.9431	0.49167	-0.939715	0.1566
PTPRQ	HGC_27con	HGC_27004	NOTEST	0.00792	0.00413	-0.938977	1
KBTBD11-OT1	HGC_27con	HGC_27004	OK	3.18518	1.66253	-0.937989	0.5412
ARHGAP15	HGC_27con	HGC_27004	NOTEST	0.06434	0.03362	-0.936529	1
AMOTL2	HGC_27con	HGC_27004	OK	3.26425	1.70608	-0.93607	0.0146
IQUB	HGC_27con	HGC_27004	NOTEST	0.05955	0.03114	-0.935272	1
CC2D2B	HGC_27con	HGC_27004	NOTEST	0.08172	0.04274	-0.935087	1
LINC01473	HGC_27con	HGC_27004	OK	0.35043	0.18333	-0.934683	0.5355
LOC100134368	HGC_27con	HGC_27004	OK	1.00687	0.5275	-0.932647	0.2344
IGF1	HGC_27con	HGC_27004	NOTEST	0.07727	0.04049	-0.932407	1
GDA	HGC_27con	HGC_27004	NOTEST	0.01222	0.0064	-0.932073	1
ZFP36	HGC_27con	HGC_27004	OK	5.46066	2.86235	-0.931877	0.0716
CYP2D6	HGC_27con	HGC_27004	OK	1.18573	0.62164	-0.931618	0.3431
MAP7	HGC_27con	HGC_27004	NOTEST	0.1699	0.08914	-0.930569	1
MMP15	HGC_27con	HGC_27004	OK	12.8816	6.75884	-0.930467	0.0039
FAM83B	HGC_27con	HGC_27004	NOTEST	0.0201	0.01055	-0.929322	1
ID1	HGC_27con	HGC_27004	OK	97.0465	51.034	-0.927219	0.0015
FBXL8	HGC_27con	HGC_27004	OK	10.1457	5.33944	-0.926107	0.1261
LRRC9	HGC_27con	HGC_27004	NOTEST	0.02316	0.0122	-0.924387	1
FOXO4	HGC_27con	HGC_27004	OK	1.80174	0.94939	-0.92432	0.0588
POT1-AS1	HGC_27con	HGC_27004	NOTEST	0.04023	0.0212	-0.924046	1
KLHL4	HGC_27con	HGC_27004	OK	1.84094	0.97032	-0.923918	0.0528
FMR1-AS1	HGC_27con	HGC_27004	NOTEST	0.07321	0.03859	-0.923697	1
TTYH1	HGC_27con	HGC_27004	OK	0.57292	0.30234	-0.922165	0.2864
LINC00886	HGC_27con	HGC_27004	OK	1.02179	0.53948	-0.921468	0.1473
ANKRD20A19P	HGC_27con	HGC_27004	NOTEST	0.04403	0.02325	-0.921109	1
WEE2-AS1	HGC_27con	HGC_27004	OK	0.62064	0.32796	-0.920225	0.2032
GPR135	HGC_27con	HGC_27004	OK	1.74152	0.92046	-0.919916	0.2055
TMC8	HGC_27con	HGC_27004	NOTEST	0.14452	0.07644	-0.918914	1
ADAMTS15	HGC_27con	HGC_27004	NOTEST	0.13544	0.07164	-0.918782	1
PCDHB14	HGC_27con	HGC_27004	OK	0.99722	0.52835	-0.916427	0.1243
CELF6	HGC_27con	HGC_27004	NOTEST	0.16871	0.0894	-0.916144	1
RORB	HGC_27con	HGC_27004	OK	0.32803	0.17386	-0.915927	0.2344
KCNV2	HGC_27con	HGC_27004	NOTEST	0.13988	0.07414	-0.915786	1
SNORD45C	HGC_27con	HGC_27004	OK	50.9939	27.062	-0.914057	0.6798
NPSR1-AS1	HGC_27con	HGC_27004	NOTEST	0.01393	0.0074	-0.912559	1
DRAXIN	HGC_27con	HGC_27004	OK	0.454	0.24129	-0.911929	0.2959
GSN	HGC_27con	HGC_27004	OK	8.17824	4.34767	-0.911548	0.0113
RAB11B	HGC_27con	HGC_27004	OK	75.9404	40.3763	-0.911358	0.0015
LOC101927843	HGC_27con	HGC_27004	OK	1.0514	0.55911	-0.911116	0.2664
LOC101928008	HGC_27con	HGC_27004	NOTEST	0.1013	0.05387	-0.911048	1
GLRX	HGC_27con	HGC_27004	OK	3.99641	2.1253	-0.911038	0.1133
TMEM74B	HGC_27con	HGC_27004	NOTEST	0.16733	0.08906	-0.909847	1
SEN3-EIF4A1	HGC_27con	HGC_27004	OK	0.40564	0.21597	-0.909379	0.752
QPCT	HGC_27con	HGC_27004	NOTEST	0.29199	0.15548	-0.909187	1
HGH1	HGC_27con	HGC_27004	OK	0.45331	0.24144	-0.908853	0.2724
ADGRA2	HGC_27con	HGC_27004	OK	76.9799	41.0006	-0.908839	0.0007
CCDC173	HGC_27con	HGC_27004	NOTEST	0.06513	0.03471	-0.907823	1
ITIH4	HGC_27con	HGC_27004	NOTEST	0.23902	0.12746	-0.907125	1
TAS1R3	HGC_27con	HGC_27004	OK	0.47821	0.25504	-0.906897	0.2909
GNGT1	HGC_27con	HGC_27004	OK	0.782	0.41709	-0.906797	0.3548

MIR497HG	HGC_27con	HGC_27004	OK	2.82134	1.50517	-0.906456	0.5567
EPHX1	HGC_27con	HGC_27004	OK	32.1489	17.1578	-0.905905	0.0123
CDKN1C	HGC_27con	HGC_27004	OK	2.51271	1.34265	-0.904159	0.1648
HAP1	HGC_27con	HGC_27004	OK	1.12694	0.60224	-0.904003	0.0944
ZFP92	HGC_27con	HGC_27004	OK	0.65524	0.35061	-0.902153	0.3584
FLJ37035	HGC_27con	HGC_27004	OK	0.4453	0.2383	-0.90202	0.2548
HOXC-AS1	HGC_27con	HGC_27004	OK	1.3343	0.71438	-0.901326	0.3884
CDKN2B	HGC_27con	HGC_27004	OK	4.82293	2.58318	-0.90076	0.0368
LINC01212	HGC_27con	HGC_27004	NOTEST	0.17762	0.09517	-0.90012	1
MEOX1	HGC_27con	HGC_27004	OK	1.21745	0.65244	-0.899942	0.1264
AHNAK2	HGC_27con	HGC_27004	OK	6.03985	3.23764	-0.899571	0.0012
C11orf63	HGC_27con	HGC_27004	OK	4.66276	2.50016	-0.899164	0.0352
HAS1	HGC_27con	HGC_27004	NOTEST	0.13827	0.07417	-0.898602	1
WDR86	HGC_27con	HGC_27004	OK	7.04505	3.77916	-0.898545	0.0593
PPT2-EGFL8	HGC_27con	HGC_27004	OK	2.87173	1.54088	-0.898162	0.5544
CACNA1A	HGC_27con	HGC_27004	NOTEST	0.02939	0.01578	-0.897728	1
ULK4	HGC_27con	HGC_27004	OK	0.653	0.35054	-0.897491	0.1484
LRRC27	HGC_27con	HGC_27004	OK	1.57199	0.84411	-0.897092	0.1578
CALCOCO1	HGC_27con	HGC_27004	OK	10.2056	5.482	-0.896581	0.0058
UNCX	HGC_27con	HGC_27004	NOTEST	0.21583	0.11597	-0.896119	1
HIP1R	HGC_27con	HGC_27004	OK	7.03654	3.7832	-0.89526	0.0077
SPAG8	HGC_27con	HGC_27004	NOTEST	0.27502	0.14789	-0.895018	1
TMEM88	HGC_27con	HGC_27004	OK	1.5701	0.84454	-0.89462	0.3227
PROM2	HGC_27con	HGC_27004	NOTEST	0.16187	0.08707	-0.894604	1
CHKB-AS1	HGC_27con	HGC_27004	OK	1.78128	0.95861	-0.893895	0.325
GP6	HGC_27con	HGC_27004	NOTEST	0.16581	0.08923	-0.89384	1
GRB7	HGC_27con	HGC_27004	NOTEST	0.26037	0.14014	-0.893703	1
FUT7	HGC_27con	HGC_27004	NOTEST	0.08551	0.04606	-0.892717	1
KLF16	HGC_27con	HGC_27004	OK	27.6456	14.897	-0.892025	0.0027
CAMKV	HGC_27con	HGC_27004	NOTEST	0.07488	0.04035	-0.891957	1
CCDC69	HGC_27con	HGC_27004	OK	0.45805	0.24688	-0.89168	0.2025
MMP17	HGC_27con	HGC_27004	NOTEST	0.1063	0.05736	-0.889978	1
LOC100507547	HGC_27con	HGC_27004	OK	5.56973	3.00688	-0.88934	0.729
HSPE1-MOB4	HGC_27con	HGC_27004	NOTEST	0.24539	0.1325	-0.889053	1
LOC101928295	HGC_27con	HGC_27004	NOTEST	0.13819	0.07466	-0.88822	1
FGFR3	HGC_27con	HGC_27004	OK	13.2492	7.16286	-0.887299	0.0033
MMP19	HGC_27con	HGC_27004	OK	3.83593	2.07487	-0.886554	0.3033
HIST1H2AC	HGC_27con	HGC_27004	OK	9.79718	5.30185	-0.885871	0.1755
SHC4	HGC_27con	HGC_27004	NOTEST	0.09614	0.05206	-0.885013	1
HOXB5	HGC_27con	HGC_27004	OK	1.78326	0.96581	-0.884699	0.2538
GPC3	HGC_27con	HGC_27004	NOTEST	0.17645	0.09557	-0.88465	1
MEF2B	HGC_27con	HGC_27004	OK	5.9711	3.23446	-0.884472	0.6062
EAF2	HGC_27con	HGC_27004	OK	0.35794	0.19402	-0.883518	0.3924
DCN	HGC_27con	HGC_27004	OK	122.788	66.6087	-0.882387	0.0005
HSPB2	HGC_27con	HGC_27004	OK	1.81189	0.98394	-0.880851	0.6485
STARD8	HGC_27con	HGC_27004	NOTEST	0.05111	0.02778	-0.879784	1
RAD51AP2	HGC_27con	HGC_27004	NOTEST	0.02941	0.01598	-0.879742	1
ANO7	HGC_27con	HGC_27004	NOTEST	0.2719	0.14778	-0.879641	1
RASD1	HGC_27con	HGC_27004	NOTEST	0.14728	0.0801	-0.87868	1
FAM43B	HGC_27con	HGC_27004	OK	2.0774	1.13017	-0.878236	0.1372
STXBP2	HGC_27con	HGC_27004	NOTEST	0.30771	0.16748	-0.877609	1
PHYHIP	HGC_27con	HGC_27004	NOTEST	0.18519	0.10081	-0.877394	1
CNTN4	HGC_27con	HGC_27004	OK	0.56651	0.30839	-0.877366	0.1398
IRF9	HGC_27con	HGC_27004	OK	5.79513	3.1559	-0.876789	0.0451

TMEM198B	HGC_27con	HGC_27004	OK	13.0235	7.09493	-0.87626	0.1206
JUNB	HGC_27con	HGC_27004	OK	68.4665	37.3014	-0.876167	0.0027
SRPX2	HGC_27con	HGC_27004	OK	0.58728	0.32012	-0.875436	0.2334
NFKBID	HGC_27con	HGC_27004	OK	2.26592	1.23523	-0.875318	0.1512
FOSB	HGC_27con	HGC_27004	OK	0.66096	0.36031	-0.875312	0.1791
FSCN2	HGC_27con	HGC_27004	OK	0.56252	0.3067	-0.875066	0.2966
GOLGA8N	HGC_27con	HGC_27004	NOTEST	0.23729	0.12942	-0.874535	1
NBEAP1	HGC_27con	HGC_27004	OK	1.78352	0.97308	-0.874092	0.3596
SNORA32	HGC_27con	HGC_27004	OK	16.1045	8.79261	-0.873097	0.3442
MYCL	HGC_27con	HGC_27004	OK	1.43403	0.78307	-0.872873	0.1383
ZNF20	HGC_27con	HGC_27004	OK	1.43054	0.78148	-0.872274	0.1481
SNORA63	HGC_27con	HGC_27004	OK	158.132	86.3888	-0.872215	0.7554
ZNF596	HGC_27con	HGC_27004	OK	1.03988	0.56815	-0.872062	0.3835
NHLH1	HGC_27con	HGC_27004	OK	0.46795	0.25588	-0.870883	0.2876
TCP10L	HGC_27con	HGC_27004	NOTEST	0.09379	0.0513	-0.870592	1
LOC654841	HGC_27con	HGC_27004	NOTEST	0.12396	0.0678	-0.870533	1
SPERT	HGC_27con	HGC_27004	OK	0.66928	0.3661	-0.87035	0.2728
ANKRD24	HGC_27con	HGC_27004	OK	1.01387	0.5548	-0.86983	0.1191
ZDHHC12	HGC_27con	HGC_27004	OK	30.8262	16.8789	-0.868935	0.1323
LOC100129534	HGC_27con	HGC_27004	OK	2.14072	1.17278	-0.868157	0.205
ADAMTSL2	HGC_27con	HGC_27004	NOTEST	0.14876	0.0815	-0.868022	1
CDC42BPG	HGC_27con	HGC_27004	NOTEST	0.03888	0.02131	-0.86772	1
FAM212B-AS1	HGC_27con	HGC_27004	NOTEST	0.11242	0.06163	-0.867247	1
ADM	HGC_27con	HGC_27004	OK	17.1431	9.40257	-0.866503	0.0178
DAPP1	HGC_27con	HGC_27004	NOTEST	0.13696	0.07522	-0.86448	1
YTHDF3-AS1	HGC_27con	HGC_27004	OK	1.17061	0.64306	-0.864251	0.3481
THSD1	HGC_27con	HGC_27004	NOTEST	0.20528	0.11277	-0.864237	1
KLRG1	HGC_27con	HGC_27004	NOTEST	0.22171	0.1218	-0.864122	1
LINC01023	HGC_27con	HGC_27004	OK	2.96908	1.63136	-0.863946	0.3507
SLC16A2	HGC_27con	HGC_27004	OK	1.52223	0.83669	-0.863416	0.1072
HOXB3	HGC_27con	HGC_27004	OK	1.2984	0.71368	-0.863398	0.1162
TGFB2	HGC_27con	HGC_27004	OK	3.23411	1.77799	-0.863125	0.0202
UBAC2-AS1	HGC_27con	HGC_27004	OK	0.57116	0.31419	-0.862243	0.6236
TMEM106A	HGC_27con	HGC_27004	NOTEST	0.18993	0.10449	-0.862114	1
PCDHA3	HGC_27con	HGC_27004	OK	0.85161	0.46876	-0.861336	0.5725
CLCNKA	HGC_27con	HGC_27004	OK	0.65465	0.36048	-0.860801	0.2395
SYT7	HGC_27con	HGC_27004	OK	1.35639	0.74697	-0.860656	0.0597
SHBG	HGC_27con	HGC_27004	OK	0.56968	0.31382	-0.860208	0.6446
GJC2	HGC_27con	HGC_27004	OK	6.45932	3.55919	-0.859835	0.0397
LOC100131564	HGC_27con	HGC_27004	OK	2.86769	1.58117	-0.858901	0.0488
LIPG	HGC_27con	HGC_27004	NOTEST	0.13201	0.07281	-0.858419	1
VWC2	HGC_27con	HGC_27004	NOTEST	0.12427	0.06859	-0.857338	1
MMP2	HGC_27con	HGC_27004	OK	11.5276	6.36647	-0.856532	0.0084
PIPOX	HGC_27con	HGC_27004	NOTEST	0.21284	0.11761	-0.855732	1
TNK1	HGC_27con	HGC_27004	OK	3.90134	2.15607	-0.855563	0.1684
TXNDC12	HGC_27con	HGC_27004	OK	30.4244	16.816	-0.855398	0.006
TMEM173	HGC_27con	HGC_27004	OK	10.3986	5.74819	-0.855213	0.0195
ADSSL1	HGC_27con	HGC_27004	OK	1.98967	1.09997	-0.855056	0.128
ZNF436-AS1	HGC_27con	HGC_27004	OK	1.76905	0.9785	-0.854335	0.3857
MUC5B	HGC_27con	HGC_27004	NOTEST	0.01226	0.00679	-0.85366	1
FAM210B	HGC_27con	HGC_27004	OK	4.96639	2.7484	-0.853604	0.0403
PRKAR2A-AS1	HGC_27con	HGC_27004	OK	0.50054	0.27712	-0.852972	0.2259
ITPKB	HGC_27con	HGC_27004	OK	6.38763	3.53694	-0.852781	0.0058
PSORS1C1	HGC_27con	HGC_27004	NOTEST	0.31037	0.17192	-0.85222	1

OBSL1	HGC_27con	HGC_27004	OK	17.1295	9.48866	-0.852209	0.0051
PCDHB12	HGC_27con	HGC_27004	OK	0.72509	0.40178	-0.851749	0.1955
SIRT4	HGC_27con	HGC_27004	OK	1.32519	0.73448	-0.851417	0.2481
GABRE	HGC_27con	HGC_27004	OK	2.25855	1.25236	-0.850745	0.0988
PCDH1	HGC_27con	HGC_27004	OK	0.38234	0.21208	-0.850294	0.2291
CDNF	HGC_27con	HGC_27004	OK	0.59999	0.33282	-0.850206	0.3221
SCRG1	HGC_27con	HGC_27004	OK	0.50884	0.28228	-0.850075	0.4219
DLGAP1-AS1	HGC_27con	HGC_27004	OK	1.89394	1.0513	-0.849212	0.3426
IGFBP7-AS1	HGC_27con	HGC_27004	OK	2.87375	1.59548	-0.848944	0.4378
PAX2	HGC_27con	HGC_27004	OK	2.98403	1.65703	-0.848661	0.0673
PI15	HGC_27con	HGC_27004	OK	12.7012	7.05463	-0.848327	0.0035
CALML6	HGC_27con	HGC_27004	OK	2.11146	1.17284	-0.84824	0.1955
C1QTNF1	HGC_27con	HGC_27004	OK	1.35457	0.75244	-0.848193	0.1551
HHIPL2	HGC_27con	HGC_27004	OK	5.01644	2.78701	-0.847945	0.0334
NCEH1	HGC_27con	HGC_27004	OK	1.96599	1.09231	-0.847875	0.0814
SELPLG	HGC_27con	HGC_27004	OK	0.37496	0.20833	-0.84785	0.2892
MSRB2	HGC_27con	HGC_27004	OK	8.72592	4.84966	-0.847424	0.0216
LOC100147773	HGC_27con	HGC_27004	NOTEST	0.16953	0.09423	-0.84732	1
NDRG1	HGC_27con	HGC_27004	OK	2.90244	1.61324	-0.847304	0.0562
GRM4	HGC_27con	HGC_27004	NOTEST	0.02937	0.01633	-0.84689	1
SEL1L3	HGC_27con	HGC_27004	OK	0.55599	0.30921	-0.846456	0.181
SPEF1	HGC_27con	HGC_27004	OK	0.35436	0.19716	-0.845861	0.4134
SPOCD1	HGC_27con	HGC_27004	OK	0.41059	0.22859	-0.844951	0.2727
SPATA17	HGC_27con	HGC_27004	NOTEST	0.13642	0.07597	-0.844594	1
PSAP	HGC_27con	HGC_27004	OK	288.577	160.762	-0.844027	0.0011
PDLIM2	HGC_27con	HGC_27004	OK	23.793	13.2569	-0.843789	0.0115
TCAF2	HGC_27con	HGC_27004	NOTEST	0.04961	0.02768	-0.841644	1
FAM157C	HGC_27con	HGC_27004	NOTEST	0.25759	0.14391	-0.839865	1
RTBDN	HGC_27con	HGC_27004	NOTEST	0.18737	0.10474	-0.839074	1
CCDC153	HGC_27con	HGC_27004	OK	1.20952	0.67628	-0.838734	0.2744
ENPP6	HGC_27con	HGC_27004	OK	0.36012	0.20137	-0.838616	0.2556
SMPD2	HGC_27con	HGC_27004	OK	5.05028	2.82546	-0.837875	0.0972
LINC01355	HGC_27con	HGC_27004	OK	1.49838	0.8386	-0.837348	0.1256
CD101	HGC_27con	HGC_27004	NOTEST	0.20892	0.11693	-0.837297	1
C19orf66	HGC_27con	HGC_27004	OK	0.62881	0.35204	-0.836896	0.2911
TMEM63C	HGC_27con	HGC_27004	NOTEST	0.18597	0.10412	-0.836792	1
OAS1	HGC_27con	HGC_27004	NOTEST	0.07632	0.04275	-0.836238	1
NUTM2A	HGC_27con	HGC_27004	NOTEST	0.30754	0.17226	-0.836155	1
SPATA6	HGC_27con	HGC_27004	OK	0.40318	0.22584	-0.836092	0.2053
POM121L8P	HGC_27con	HGC_27004	NOTEST	0.18915	0.10596	-0.836024	1
LOC100507351	HGC_27con	HGC_27004	OK	1.74486	0.97752	-0.835915	0.0739
LOC101928053	HGC_27con	HGC_27004	NOTEST	0.26472	0.14845	-0.834504	1
HDAC11	HGC_27con	HGC_27004	OK	2.31808	1.29996	-0.834463	0.0843
FBLL1	HGC_27con	HGC_27004	OK	0.95687	0.53663	-0.834411	0.3561
BGLAP	HGC_27con	HGC_27004	OK	1.23362	0.69205	-0.833955	0.6965
LOC283731	HGC_27con	HGC_27004	NOTEST	0.07203	0.04042	-0.833567	1
GJC3	HGC_27con	HGC_27004	NOTEST	0.15991	0.08977	-0.832975	1
LOC100270746	HGC_27con	HGC_27004	OK	2.12836	1.19542	-0.832223	0.2623
C12orf60	HGC_27con	HGC_27004	OK	1.63971	0.92111	-0.83199	0.2234
SPECC1L-ADORA2A	HGC_27con	HGC_27004	NOTEST	0.21802	0.12252	-0.831478	1
SEMA7A	HGC_27con	HGC_27004	NOTEST	0.30307	0.1704	-0.830782	1
CLDN4	HGC_27con	HGC_27004	OK	1.22954	0.69185	-0.829593	0.2358
CHKB-CPT1B	HGC_27con	HGC_27004	OK	0.58097	0.32724	-0.828121	0.5202
LOC100131347	HGC_27con	HGC_27004	NOTEST	0.24213	0.13639	-0.828094	1

FRMD4A	HGC_27con	HGC_27004	OK	4.52267	2.54818	-0.827706	0.0085
ANKRD63	HGC_27con	HGC_27004	OK	2.37502	1.34024	-0.825455	0.261
FAM132A	HGC_27con	HGC_27004	OK	1.34819	0.76097	-0.82512	0.3188
ADCY5	HGC_27con	HGC_27004	NOTEST	0.03374	0.01906	-0.824179	1
BCL2L11	HGC_27con	HGC_27004	OK	4.0358	2.27952	-0.824126	0.0394
ZFP2	HGC_27con	HGC_27004	NOTEST	0.10198	0.0576	-0.824058	1
GIPR	HGC_27con	HGC_27004	OK	1.05061	0.59365	-0.823535	0.1536
TMEM256	HGC_27con	HGC_27004	OK	80.5769	45.568	-0.822345	0.0978
C2orf81	HGC_27con	HGC_27004	OK	1.52601	0.86332	-0.821802	0.1865
LAMB2	HGC_27con	HGC_27004	OK	12.6761	7.17575	-0.820915	0.0043
PANX2	HGC_27con	HGC_27004	OK	0.56625	0.32056	-0.82087	0.2631
ACPP	HGC_27con	HGC_27004	NOTEST	0.08608	0.04873	-0.820748	1
SEMA4A	HGC_27con	HGC_27004	OK	0.3341	0.18917	-0.820601	0.2941
STXBPL5L	HGC_27con	HGC_27004	NOTEST	0.03545	0.02008	-0.820051	1
CDH6	HGC_27con	HGC_27004	OK	13.5795	7.69197	-0.820003	0.0032
MRGPRX3	HGC_27con	HGC_27004	OK	1.06239	0.60247	-0.818344	0.2726
PGM2L1	HGC_27con	HGC_27004	OK	0.8366	0.47444	-0.818306	0.0939
MARVELD3	HGC_27con	HGC_27004	NOTEST	0.11676	0.06623	-0.818094	1
ZNF878	HGC_27con	HGC_27004	NOTEST	0.31995	0.18149	-0.817953	1
LOC400927	HGC_27con	HGC_27004	OK	3.545	2.01331	-0.816219	0.7103
ZNF214	HGC_27con	HGC_27004	OK	1.1279	0.64072	-0.815878	0.1729
RNF39	HGC_27con	HGC_27004	OK	1.67611	0.9522	-0.815783	0.6084
PHLDB1	HGC_27con	HGC_27004	OK	7.77611	4.41807	-0.815632	0.0069
RNF224	HGC_27con	HGC_27004	OK	2.5487	1.44807	-0.815629	0.187
ARHGAP29	HGC_27con	HGC_27004	NOTEST	0.27124	0.15414	-0.815327	1
TMC5	HGC_27con	HGC_27004	NOTEST	0.07416	0.04217	-0.814497	1
TTPA	HGC_27con	HGC_27004	NOTEST	0.16461	0.09372	-0.812626	1
C1orf95	HGC_27con	HGC_27004	NOTEST	0.04451	0.02537	-0.811188	1
RIBC1	HGC_27con	HGC_27004	OK	1.56302	0.89086	-0.811074	0.1914
TMEM132E	HGC_27con	HGC_27004	OK	2.28349	1.30185	-0.810672	0.0781
NKILA	HGC_27con	HGC_27004	NOTEST	0.19353	0.11038	-0.810118	1
KLC3	HGC_27con	HGC_27004	OK	0.93895	0.536	-0.808812	0.6901
LOC103091866	HGC_27con	HGC_27004	OK	3.79607	2.1674	-0.80854	0.2512
LIPE-AS1	HGC_27con	HGC_27004	NOTEST	0.28579	0.16319	-0.808422	1
SEMA4B	HGC_27con	HGC_27004	OK	4.38564	2.50455	-0.808235	0.0385
HCG8	HGC_27con	HGC_27004	OK	0.78297	0.44714	-0.808221	0.5525
CCDC103	HGC_27con	HGC_27004	OK	2.4855	1.4202	-0.807444	0.1461
GLB1L	HGC_27con	HGC_27004	OK	2.45658	1.40382	-0.807296	0.3104
GTSE1-AS1	HGC_27con	HGC_27004	OK	0.33888	0.19393	-0.805279	0.3913
LYN	HGC_27con	HGC_27004	OK	2.54791	1.45828	-0.805047	0.0572
ARIH2OS	HGC_27con	HGC_27004	OK	1.22943	0.70386	-0.804629	0.5238
KBTBD3	HGC_27con	HGC_27004	OK	0.66847	0.38285	-0.80408	0.6687
RSPH9	HGC_27con	HGC_27004	NOTEST	0.25664	0.14703	-0.803618	1
FAM109B	HGC_27con	HGC_27004	OK	0.32483	0.18611	-0.803539	0.3533
LINC00260	HGC_27con	HGC_27004	OK	1.30522	0.74843	-0.802348	0.7757
WNT2B	HGC_27con	HGC_27004	OK	0.56171	0.32222	-0.801787	0.2437
SLC44A4	HGC_27con	HGC_27004	NOTEST	0.21864	0.12548	-0.801148	1
ART5	HGC_27con	HGC_27004	NOTEST	0.27247	0.15646	-0.800366	1
LOC100652768	HGC_27con	HGC_27004	OK	3.25436	1.86909	-0.800043	0.4835
ZBTB20	HGC_27con	HGC_27004	NOTEST	0.2952	0.16966	-0.799042	1
TMEM86A	HGC_27con	HGC_27004	NOTEST	0.2458	0.14133	-0.798442	1
TPI1P2	HGC_27con	HGC_27004	OK	0.45281	0.26039	-0.798248	0.3288
LOC100506388	HGC_27con	HGC_27004	OK	17.4824	10.0533	-0.798228	0.0461
SH3BGR	HGC_27con	HGC_27004	OK	4.49822	2.58768	-0.797693	0.0918

C21orf62	HGC_27con	HGC_27004	NOTEST	0.26598	0.15305	-0.797338	1
STRIP2	HGC_27con	HGC_27004	OK	1.6399	0.94365	-0.797289	0.1026
TBC1D10C	HGC_27con	HGC_27004	OK	0.48364	0.27833	-0.797141	0.3321
FAM78B	HGC_27con	HGC_27004	NOTEST	0.30795	0.17724	-0.797019	1
LOC100287042	HGC_27con	HGC_27004	OK	0.64035	0.36862	-0.796708	0.5332
GATA2-AS1	HGC_27con	HGC_27004	OK	2.75306	1.58486	-0.796678	0.1744
SNORD15B	HGC_27con	HGC_27004	OK	15.2075	8.75582	-0.796471	0.7536
ORAI3	HGC_27con	HGC_27004	OK	9.12959	5.25672	-0.796388	0.043
HSPB8	HGC_27con	HGC_27004	OK	14.3699	8.28058	-0.795245	0.0191
ATP1B2	HGC_27con	HGC_27004	OK	1.26097	0.72667	-0.795155	0.1896
LOC100505942	HGC_27con	HGC_27004	OK	0.76137	0.43889	-0.794743	0.3851
CAHM	HGC_27con	HGC_27004	OK	1.50518	0.86791	-0.79431	0.3347
B3GALT2	HGC_27con	HGC_27004	NOTEST	0.21429	0.12357	-0.794155	1
CD4	HGC_27con	HGC_27004	NOTEST	0.22306	0.12867	-0.793724	1
LINC00528	HGC_27con	HGC_27004	NOTEST	0.10016	0.05778	-0.793587	1
ISG15	HGC_27con	HGC_27004	OK	12.2784	7.08468	-0.793354	0.1454
CFD	HGC_27con	HGC_27004	OK	72.9878	42.1254	-0.792963	0.0075
GPRC5C	HGC_27con	HGC_27004	OK	5.2566	3.03454	-0.792653	0.0762
PKD1L3	HGC_27con	HGC_27004	NOTEST	0.12489	0.07211	-0.792428	1
SSC4D	HGC_27con	HGC_27004	OK	5.42109	3.1302	-0.792329	0.0499
BCL6B	HGC_27con	HGC_27004	NOTEST	0.10616	0.0613	-0.792256	1
RALY-AS1	HGC_27con	HGC_27004	OK	1.65673	0.95695	-0.79183	0.789
ERAP1	HGC_27con	HGC_27004	OK	7.49292	4.32999	-0.791165	0.244
BLACE	HGC_27con	HGC_27004	NOTEST	0.11327	0.06546	-0.791047	1
PKD1L2	HGC_27con	HGC_27004	OK	0.69842	0.4037	-0.790837	0.1633
LINC01558	HGC_27con	HGC_27004	NOTEST	0.12636	0.07305	-0.790588	1
HSF4	HGC_27con	HGC_27004	OK	7.73731	4.47504	-0.789933	0.062
TOM1L2	HGC_27con	HGC_27004	OK	6.68596	3.86771	-0.789654	0.01
SELL	HGC_27con	HGC_27004	NOTEST	0.13405	0.07755	-0.789561	1
RASL11B	HGC_27con	HGC_27004	OK	0.95465	0.55255	-0.788848	0.2782
RAPSN	HGC_27con	HGC_27004	NOTEST	0.26185	0.15161	-0.788407	1
PTPRU	HGC_27con	HGC_27004	OK	3.96624	2.29649	-0.788343	0.0309
TREX1	HGC_27con	HGC_27004	OK	2.41815	1.4002	-0.788273	0.3532
SMAD7	HGC_27con	HGC_27004	OK	4.32618	2.50587	-0.787782	0.0693
INAFM1	HGC_27con	HGC_27004	OK	9.36068	5.42441	-0.787147	0.1878
PLCD1	HGC_27con	HGC_27004	OK	1.97927	1.1476	-0.786347	0.1379
SCARF1	HGC_27con	HGC_27004	NOTEST	0.30819	0.17873	-0.786063	1
DPP7	HGC_27con	HGC_27004	OK	3.86206	2.24033	-0.785655	0.163
LDB3	HGC_27con	HGC_27004	NOTEST	0.18358	0.10655	-0.784862	1
CCDC186	HGC_27con	HGC_27004	OK	1.53187	0.88918	-0.784753	0.0552
LOC388692	HGC_27con	HGC_27004	OK	6.45314	3.74599	-0.784653	0.0986
ARMC12	HGC_27con	HGC_27004	OK	2.38065	1.38207	-0.784525	0.2304
LOC101927755	HGC_27con	HGC_27004	OK	0.98113	0.56961	-0.784473	0.4476
FAM83A	HGC_27con	HGC_27004	NOTEST	0.05197	0.03017	-0.784254	1
GPSM3	HGC_27con	HGC_27004	OK	0.43469	0.25246	-0.78394	0.4536
COL5A2	HGC_27con	HGC_27004	OK	41.7294	24.2442	-0.783424	0.0016
LOC389705	HGC_27con	HGC_27004	NOTEST	0.29615	0.17211	-0.783	1
HSPA1A	HGC_27con	HGC_27004	OK	0.54076	0.3143	-0.782842	0.2912
PROCR	HGC_27con	HGC_27004	OK	5.92904	3.44718	-0.782384	0.094
FRY-AS1	HGC_27con	HGC_27004	NOTEST	0.15069	0.08761	-0.782384	1
ITGAX	HGC_27con	HGC_27004	OK	0.79796	0.46406	-0.782012	0.1789
LOC101929415	HGC_27con	HGC_27004	NOTEST	0.25471	0.14826	-0.780732	1
PLA2G4E	HGC_27con	HGC_27004	NOTEST	0.03167	0.01844	-0.780355	1
SPON2	HGC_27con	HGC_27004	OK	0.66396	0.3867	-0.779873	0.4594

LINC01482	HGC_27con	HGC_27004	NOTEST	0.17223	0.10031	-0.779776	1
SNORA56	HGC_27con	HGC_27004	OK	6.81775	3.97108	-0.779765	0.5691
ADPRHL1	HGC_27con	HGC_27004	OK	4.91054	2.86029	-0.779717	0.0861
TSPAN31	HGC_27con	HGC_27004	OK	7.88178	4.59127	-0.779627	0.5092
ABCA12	HGC_27con	HGC_27004	NOTEST	0.02652	0.01545	-0.779354	1
ALDH1A3	HGC_27con	HGC_27004	OK	0.35133	0.20474	-0.779019	0.3035
AMZ1	HGC_27con	HGC_27004	NOTEST	0.03975	0.02318	-0.778368	1
PPP2R2C	HGC_27con	HGC_27004	NOTEST	0.03888	0.02267	-0.778253	1
LOC644285	HGC_27con	HGC_27004	NOTEST	0.24323	0.14198	-0.776627	1
PHLDA1	HGC_27con	HGC_27004	OK	1.07332	0.62676	-0.776107	0.1374
GRN	HGC_27con	HGC_27004	OK	79.7998	46.6153	-0.775581	0.0039
ZNF442	HGC_27con	HGC_27004	NOTEST	0.2131	0.12449	-0.775555	1
TRIM61	HGC_27con	HGC_27004	NOTEST	0.24671	0.14412	-0.775537	1
PIGZ	HGC_27con	HGC_27004	OK	2.95301	1.72522	-0.77541	0.1301
PIWIL2	HGC_27con	HGC_27004	NOTEST	0.08609	0.05029	-0.775405	1
LOC101928796	HGC_27con	HGC_27004	OK	6.69787	3.91597	-0.774331	0.1449
AMPD3	HGC_27con	HGC_27004	NOTEST	0.04231	0.02474	-0.774229	1
ADCK5	HGC_27con	HGC_27004	OK	3.46048	2.02363	-0.774029	0.5188
PGAM2	HGC_27con	HGC_27004	OK	10.5218	6.15532	-0.773478	0.1033
FTCD	HGC_27con	HGC_27004	OK	0.82283	0.48154	-0.77295	0.2902
LINC00853	HGC_27con	HGC_27004	NOTEST	0.28958	0.16951	-0.772623	1
LOC100288181	HGC_27con	HGC_27004	OK	0.3792	0.22197	-0.772617	0.2476
TRIM47	HGC_27con	HGC_27004	OK	7.74297	4.53356	-0.772242	0.0614
C1orf229	HGC_27con	HGC_27004	OK	0.34072	0.19954	-0.771948	0.4128
MED31	HGC_27con	HGC_27004	OK	4.51536	2.64567	-0.771207	0.3356
NOTUM	HGC_27con	HGC_27004	OK	31.1827	18.2786	-0.770594	0.0105
LOC101929089	HGC_27con	HGC_27004	OK	1.92497	1.12899	-0.769811	0.6554
HIST1H2AG	HGC_27con	HGC_27004	OK	3.16293	1.85514	-0.769734	0.3737
MLC1	HGC_27con	HGC_27004	OK	1.12167	0.65799	-0.769508	0.1807
FNDCA	HGC_27con	HGC_27004	OK	0.39685	0.2329	-0.768885	0.3949
CHST5	HGC_27con	HGC_27004	NOTEST	0.32168	0.18891	-0.76798	1
GBP5	HGC_27con	HGC_27004	NOTEST	0.08912	0.05236	-0.767317	1
FBXO44	HGC_27con	HGC_27004	NOTEST	0.14419	0.08473	-0.767088	1
EZR	HGC_27con	HGC_27004	OK	18.2324	10.7209	-0.766072	0.0084
LINC01588	HGC_27con	HGC_27004	OK	0.75465	0.4439	-0.765579	0.3363
MYO1F	HGC_27con	HGC_27004	OK	1.28763	0.75743	-0.765528	0.1467
ZBTB45	HGC_27con	HGC_27004	OK	7.84002	4.61182	-0.76552	0.0737
HELZ2	HGC_27con	HGC_27004	OK	2.75328	1.62018	-0.764997	0.0295
FABP3	HGC_27con	HGC_27004	OK	10.945	6.44124	-0.764861	0.0679
JAK3	HGC_27con	HGC_27004	OK	3.87059	2.2784	-0.76453	0.0442
DNAH17	HGC_27con	HGC_27004	NOTEST	0.07144	0.04206	-0.764492	1
AVIL	HGC_27con	HGC_27004	OK	0.37247	0.21926	-0.76448	0.6704
CYP26A1	HGC_27con	HGC_27004	NOTEST	0.20131	0.11861	-0.763238	1
ALDOC	HGC_27con	HGC_27004	OK	19.9387	11.7485	-0.763096	0.0199
LINC01119	HGC_27con	HGC_27004	OK	0.34444	0.20308	-0.762163	0.4823
PLXNB2	HGC_27con	HGC_27004	OK	34.8532	20.5642	-0.761155	0.0044
MID1IP1-AS1	HGC_27con	HGC_27004	OK	1.64331	0.96972	-0.760964	0.631
C16orf93	HGC_27con	HGC_27004	OK	1.35196	0.7978	-0.760962	0.7916
CPED1	HGC_27con	HGC_27004	OK	0.81666	0.48198	-0.76075	0.19
SPARC	HGC_27con	HGC_27004	OK	49.6048	29.2886	-0.760141	0.0041
ITGB4	HGC_27con	HGC_27004	OK	0.43341	0.25594	-0.759937	0.2347
PPP4R4	HGC_27con	HGC_27004	NOTEST	0.19787	0.11685	-0.759891	1
LPXN	HGC_27con	HGC_27004	OK	3.17654	1.87598	-0.759813	0.1543
LOC100288254	HGC_27con	HGC_27004	NOTEST	0.12771	0.07546	-0.759138	1

RUNDC3A	HGC_27con	HGC_27004	OK	0.56325	0.33282	-0.759056	0.3328
EFNA1	HGC_27con	HGC_27004	OK	10.8588	6.41841	-0.758572	0.0393
LOC105373383	HGC_27con	HGC_27004	OK	1.18639	0.70159	-0.757883	0.4842
ENGASE	HGC_27con	HGC_27004	OK	7.13555	4.2197	-0.757882	0.0227
FAM183A	HGC_27con	HGC_27004	OK	1.83897	1.08752	-0.757852	0.3634
ITPRIP	HGC_27con	HGC_27004	OK	1.68513	0.99684	-0.757426	0.0658
STARD5	HGC_27con	HGC_27004	NOTEST	0.23153	0.137	-0.757032	1
RSPH1	HGC_27con	HGC_27004	NOTEST	0.14626	0.08661	-0.755955	1
CCDC80	HGC_27con	HGC_27004	OK	17.2612	10.2229	-0.755728	0.005
CHST8	HGC_27con	HGC_27004	NOTEST	0.27814	0.16474	-0.755609	1
LOC100130238	HGC_27con	HGC_27004	OK	0.62092	0.36786	-0.755245	0.3037
FERD3L	HGC_27con	HGC_27004	NOTEST	0.15302	0.09066	-0.755192	1
RAG1	HGC_27con	HGC_27004	NOTEST	0.14203	0.08415	-0.755154	1
LINC01426	HGC_27con	HGC_27004	OK	4.25247	2.52035	-0.754679	0.2067
IAPP	HGC_27con	HGC_27004	NOTEST	0.13024	0.07724	-0.753776	1
TGFBR3L	HGC_27con	HGC_27004	OK	2.52133	1.49531	-0.753743	0.3268
C6orf226	HGC_27con	HGC_27004	OK	8.38129	4.97194	-0.753363	0.2656
BEND5	HGC_27con	HGC_27004	NOTEST	0.08977	0.05327	-0.752886	1
RPS2P32	HGC_27con	HGC_27004	OK	1.40125	0.83184	-0.752332	0.3466
LMNTD2	HGC_27con	HGC_27004	OK	4.03614	2.39611	-0.752279	0.1385
LOC102467081	HGC_27con	HGC_27004	OK	1.8123	1.07611	-0.752002	0.4229
DENND3	HGC_27con	HGC_27004	OK	1.46894	0.87236	-0.751786	0.1029
IGLON5	HGC_27con	HGC_27004	NOTEST	0.1728	0.10265	-0.751309	1
TUBA3FP	HGC_27con	HGC_27004	OK	1.84516	1.09639	-0.750981	0.4848
RNASEL	HGC_27con	HGC_27004	OK	0.42695	0.25382	-0.750296	0.2452
OSCP1	HGC_27con	HGC_27004	OK	10.0703	5.98703	-0.750187	0.1348
NPAS2	HGC_27con	HGC_27004	OK	2.18976	1.30188	-0.750178	0.107
ANKHD1-EIF4EBP3	HGC_27con	HGC_27004	OK	3.79569	2.2569	-0.75002	0.2304
TRIM34	HGC_27con	HGC_27004	OK	0.61634	0.36647	-0.750018	0.4646
LOC101929717	HGC_27con	HGC_27004	NOTEST	0.07116	0.04232	-0.749823	1
HLA-F	HGC_27con	HGC_27004	OK	7.19826	4.28171	-0.749461	0.1295
HERC6	HGC_27con	HGC_27004	OK	1.50699	0.89672	-0.748939	0.1172
SV2A	HGC_27con	HGC_27004	OK	21.4528	12.7658	-0.748882	0.0116
TTC21A	HGC_27con	HGC_27004	OK	0.56052	0.33357	-0.748759	0.6323
LRRRC48	HGC_27con	HGC_27004	OK	1.09537	0.65198	-0.748512	0.2261
EPN3	HGC_27con	HGC_27004	NOTEST	0.1721	0.10244	-0.748461	1
LOC101929657	HGC_27con	HGC_27004	NOTEST	0.11899	0.07084	-0.748169	1
IGFBP5	HGC_27con	HGC_27004	OK	77.9911	46.4338	-0.748135	0.0043
ADAMTSL4-AS1	HGC_27con	HGC_27004	NOTEST	0.23301	0.13882	-0.747245	1
ARHGAP5-AS1	HGC_27con	HGC_27004	OK	2.85764	1.70281	-0.74691	0.2253
LINC01516	HGC_27con	HGC_27004	NOTEST	0.06052	0.03606	-0.746832	1
LARS2-AS1	HGC_27con	HGC_27004	NOTEST	0.08558	0.051	-0.746829	1
GLIS3	HGC_27con	HGC_27004	OK	2.45427	1.46301	-0.746356	0.048
PDE6B	HGC_27con	HGC_27004	NOTEST	0.0899	0.05362	-0.745517	1
LOC100270804	HGC_27con	HGC_27004	OK	0.72257	0.43099	-0.745493	0.3392
SBK1	HGC_27con	HGC_27004	OK	0.39191	0.23392	-0.744516	0.3008
SHROOM3	HGC_27con	HGC_27004	OK	2.92267	1.74601	-0.743221	0.0191
PPME1	HGC_27con	HGC_27004	OK	15.4845	9.25086	-0.743169	0.0138
WDR93	HGC_27con	HGC_27004	NOTEST	0.12087	0.07221	-0.743159	1
LAMB2P1	HGC_27con	HGC_27004	OK	1.19733	0.71554	-0.742707	0.3086
NPB	HGC_27con	HGC_27004	OK	5.49083	3.28215	-0.742383	0.6399
FILIP1L	HGC_27con	HGC_27004	NOTEST	0.2558	0.15292	-0.742264	1
KLHL24	HGC_27con	HGC_27004	OK	2.04233	1.22153	-0.741533	0.0604
FCER1G	HGC_27con	HGC_27004	OK	0.47177	0.28219	-0.741403	0.5802

PCED1B	HGC_27con	HGC_27004	NOTEST	0.25617	0.15323	-0.741368	1
KCNF1	HGC_27con	HGC_27004	NOTEST	0.13587	0.08128	-0.741366	1
CASC15	HGC_27con	HGC_27004	NOTEST	0.16415	0.0982	-0.741236	1
NR2E3	HGC_27con	HGC_27004	NOTEST	0.30855	0.18469	-0.740397	1
LOC102724596	HGC_27con	HGC_27004	NOTEST	0.28926	0.17315	-0.740389	1
GS1-259H13.2	HGC_27con	HGC_27004	OK	2.23793	1.33977	-0.740178	0.2673
IFFO2	HGC_27con	HGC_27004	OK	0.66178	0.39621	-0.740083	0.1951
NWD1	HGC_27con	HGC_27004	NOTEST	0.03347	0.02004	-0.739889	1
NMRK1	HGC_27con	HGC_27004	OK	2.6882	1.61	-0.739578	0.2032
LINC01315	HGC_27con	HGC_27004	OK	19.2432	11.5314	-0.738781	0.0617
PLEKHF1	HGC_27con	HGC_27004	OK	6.04931	3.62601	-0.738388	0.11
GOLGA6C	HGC_27con	HGC_27004	NOTEST	0.02537	0.01521	-0.737676	1
MMP24-AS1	HGC_27con	HGC_27004	OK	15.4131	9.24422	-0.737534	0.0342
OLFML1	HGC_27con	HGC_27004	OK	11.2645	6.7563	-0.737485	0.0218
KLHL35	HGC_27con	HGC_27004	OK	2.67237	1.6029	-0.737433	0.2258
NEIL1	HGC_27con	HGC_27004	OK	2.49457	1.49652	-0.737181	0.1961
ITGA9-AS1	HGC_27con	HGC_27004	OK	0.48911	0.29342	-0.737156	0.6141
MPL	HGC_27con	HGC_27004	NOTEST	0.18156	0.10892	-0.737149	1
SOX10	HGC_27con	HGC_27004	NOTEST	0.04128	0.02477	-0.737019	1
MUC1	HGC_27con	HGC_27004	OK	15.472	9.28814	-0.736196	0.0526
MYD88	HGC_27con	HGC_27004	OK	3.2363	1.94464	-0.734845	0.1068
ALOX12	HGC_27con	HGC_27004	OK	0.4125	0.24793	-0.734484	0.4116
TMEM220-AS1	HGC_27con	HGC_27004	OK	2.35775	1.41729	-0.734274	0.5765
MAPK8IP2	HGC_27con	HGC_27004	OK	1.44578	0.86952	-0.733555	0.1942
ADGRF3	HGC_27con	HGC_27004	NOTEST	0.10542	0.06346	-0.732178	1
POLD4	HGC_27con	HGC_27004	OK	8.77897	5.28638	-0.73177	0.084
THEM5	HGC_27con	HGC_27004	NOTEST	0.28406	0.17108	-0.731521	1
BAIAP3	HGC_27con	HGC_27004	OK	0.61846	0.37249	-0.731463	0.6089
PRICKLE2	HGC_27con	HGC_27004	OK	1.5569	0.93774	-0.731414	0.0552
SAMD9	HGC_27con	HGC_27004	NOTEST	0.16992	0.10239	-0.730687	1
GPD1	HGC_27con	HGC_27004	NOTEST	0.28099	0.16933	-0.730624	1
BNIP1	HGC_27con	HGC_27004	NOTEST	0.26825	0.16172	-0.730131	1
ACTR1A	HGC_27con	HGC_27004	OK	74.3974	44.8777	-0.729255	0.0067
C14orf37	HGC_27con	HGC_27004	NOTEST	0.18211	0.10985	-0.729255	1
PPM1N	HGC_27con	HGC_27004	OK	2.4226	1.46138	-0.729225	0.2182
HMCN2	HGC_27con	HGC_27004	NOTEST	0.00757	0.00457	-0.729154	1
GOLGA8S	HGC_27con	HGC_27004	NOTEST	0.02747	0.01658	-0.728974	1
SLC22A18AS	HGC_27con	HGC_27004	OK	0.91595	0.55272	-0.728718	0.6093
ZSWIM4	HGC_27con	HGC_27004	OK	3.05007	1.84062	-0.728649	0.0787
MSLN	HGC_27con	HGC_27004	OK	81.947	49.4553	-0.728566	0.006
CYP4F62P	HGC_27con	HGC_27004	NOTEST	0.2159	0.1303	-0.728538	1
NINJ1	HGC_27con	HGC_27004	OK	41.1045	24.8104	-0.728351	0.0189
RAMP2-AS1	HGC_27con	HGC_27004	OK	0.43711	0.26389	-0.728084	0.3901
LOC101928786	HGC_27con	HGC_27004	NOTEST	0.05228	0.03156	-0.728015	1
HAVCR1P1	HGC_27con	HGC_27004	NOTEST	0.15147	0.09146	-0.727804	1
FOXG1-AS1	HGC_27con	HGC_27004	NOTEST	0.26877	0.16229	-0.727798	1
VMAC	HGC_27con	HGC_27004	OK	7.34532	4.43854	-0.726738	0.1024
PROZ	HGC_27con	HGC_27004	NOTEST	0.19249	0.11632	-0.726707	1
CNKSR1	HGC_27con	HGC_27004	NOTEST	0.23173	0.14006	-0.726451	1
GTF2IRD2B	HGC_27con	HGC_27004	OK	0.54463	0.32919	-0.726365	0.2636
SDSL	HGC_27con	HGC_27004	OK	6.20558	3.75087	-0.72634	0.1193
PYDC1	HGC_27con	HGC_27004	OK	4.10288	2.48041	-0.726057	0.5661
CCDC114	HGC_27con	HGC_27004	OK	0.69905	0.42267	-0.725849	0.264
SLC22A20	HGC_27con	HGC_27004	NOTEST	0.15485	0.09366	-0.725403	1

HIST1H3H	HGC_27con	HGC_27004	OK	2.92778	1.77105	-0.725201	0.4416
TBX6	HGC_27con	HGC_27004	OK	1.91396	1.15805	-0.724862	0.2658
ULK1	HGC_27con	HGC_27004	OK	5.04529	3.05284	-0.724788	0.0429
LEFTY1	HGC_27con	HGC_27004	NOTEST	0.0986	0.05967	-0.72464	1
LOC101928766	HGC_27con	HGC_27004	NOTEST	0.23788	0.14397	-0.724444	1
LRRCS6	HGC_27con	HGC_27004	OK	0.99261	0.60079	-0.724373	0.3939
MGC16275	HGC_27con	HGC_27004	OK	0.99083	0.59978	-0.72421	0.2424
ESPN	HGC_27con	HGC_27004	OK	0.63987	0.38737	-0.724069	0.29
KCNIP2	HGC_27con	HGC_27004	OK	1.05804	0.64055	-0.724017	0.3084
EXOC3L1	HGC_27con	HGC_27004	OK	0.32851	0.19916	-0.722048	0.3819
ANGPTL1	HGC_27con	HGC_27004	OK	1.07344	0.65089	-0.72176	0.3151
GRIK5	HGC_27con	HGC_27004	OK	0.44119	0.26756	-0.721527	0.3256
GSK3A	HGC_27con	HGC_27004	OK	17.8381	10.8235	-0.720798	0.0231
HR	HGC_27con	HGC_27004	OK	26.8917	16.3211	-0.720422	0.0059
C1orf167	HGC_27con	HGC_27004	NOTEST	0.02204	0.01338	-0.720337	1
PRAP1	HGC_27con	HGC_27004	OK	2.62644	1.59463	-0.719889	0.2928
LOC391322	HGC_27con	HGC_27004	OK	4.95426	3.00806	-0.719837	0.3304
OLFML2A	HGC_27con	HGC_27004	OK	2.08785	1.26816	-0.719281	0.0729
RAB26	HGC_27con	HGC_27004	OK	16.8416	10.2305	-0.719155	0.0338
F8	HGC_27con	HGC_27004	OK	2.69472	1.63726	-0.718856	0.1458
DNAAF3	HGC_27con	HGC_27004	OK	2.9916	1.81834	-0.718291	0.1594
CABP7	HGC_27con	HGC_27004	NOTEST	0.10277	0.06249	-0.717671	1
PLAC1	HGC_27con	HGC_27004	OK	2.97998	1.81224	-0.717528	0.2645
FCGBP	HGC_27con	HGC_27004	NOTEST	0.18809	0.11442	-0.71704	1
LOC100130987	HGC_27con	HGC_27004	OK	1.88853	1.14929	-0.716523	0.6788
DYX1C1	HGC_27con	HGC_27004	OK	1.00225	0.61033	-0.715585	0.7453
PEX11G	HGC_27con	HGC_27004	OK	1.08393	0.66017	-0.715361	0.3846
SPDEF	HGC_27con	HGC_27004	NOTEST	0.0731	0.04453	-0.715108	1
STKLD1	HGC_27con	HGC_27004	OK	0.42765	0.26057	-0.714758	0.7953
SERPINB8	HGC_27con	HGC_27004	NOTEST	0.29193	0.17789	-0.714635	1
ZC3H12A	HGC_27con	HGC_27004	OK	1.54991	0.94546	-0.713108	0.2058
MYLK3	HGC_27con	HGC_27004	NOTEST	0.08122	0.04957	-0.712467	1
ESAM	HGC_27con	HGC_27004	OK	1.35288	0.82675	-0.71051	0.2954
PLXDC2	HGC_27con	HGC_27004	NOTEST	0.05285	0.0323	-0.710371	1
SORCS2	HGC_27con	HGC_27004	NOTEST	0.05426	0.03319	-0.709168	1
CAV2	HGC_27con	HGC_27004	OK	4.63307	2.83572	-0.708253	0.0761
TSLP	HGC_27con	HGC_27004	NOTEST	0.32213	0.19719	-0.708009	1
SNAI2	HGC_27con	HGC_27004	OK	18.7137	11.4578	-0.707757	0.0276
RSPH3	HGC_27con	HGC_27004	OK	1.96674	1.20441	-0.707485	0.1799
FOXF1	HGC_27con	HGC_27004	OK	17.6469	10.807	-0.707445	0.033
ANAPC1P1	HGC_27con	HGC_27004	NOTEST	0.09156	0.05608	-0.707149	1
BTBD8	HGC_27con	HGC_27004	NOTEST	0.11345	0.0695	-0.706895	1
SDC4	HGC_27con	HGC_27004	OK	8.27859	5.07188	-0.706863	0.0466
CCT6B	HGC_27con	HGC_27004	OK	1.29683	0.79461	-0.706679	0.2503
OGN	HGC_27con	HGC_27004	OK	47.6922	29.2233	-0.706636	0.0767
PRR34-AS1	HGC_27con	HGC_27004	OK	1.82915	1.12112	-0.706231	0.3026
GMDS-AS1	HGC_27con	HGC_27004	OK	1.16583	0.71476	-0.705823	0.3035
ITM2C	HGC_27con	HGC_27004	OK	37.9194	23.2505	-0.705674	0.0109
PPARD	HGC_27con	HGC_27004	OK	11.5373	7.07531	-0.70544	0.0199
SCUBE1	HGC_27con	HGC_27004	NOTEST	0.02949	0.0181	-0.704536	1
C5orf60	HGC_27con	HGC_27004	OK	11.5621	7.09555	-0.704413	0.0818
RPPH1	HGC_27con	HGC_27004	OK	3.72134	2.28599	-0.703001	0.4332
HOXA11-AS	HGC_27con	HGC_27004	OK	17.7337	10.8951	-0.702815	0.05
ZNF205-AS1	HGC_27con	HGC_27004	OK	0.32427	0.19923	-0.702707	0.6903

PLCE1-AS1	HGC_27con	HGC_27004	OK	0.67171	0.41272	-0.702669	0.7387
ID2-AS1	HGC_27con	HGC_27004	OK	1.3461	0.8271	-0.702653	0.3818
BCL3	HGC_27con	HGC_27004	OK	6.87081	4.22271	-0.702309	0.1358
NUP62CL	HGC_27con	HGC_27004	OK	1.51999	0.93421	-0.702235	0.2802
CCDC159	HGC_27con	HGC_27004	OK	5.71345	3.51192	-0.702102	0.146
FMNL1	HGC_27con	HGC_27004	OK	2.54416	1.56465	-0.701351	0.1139
NEBL	HGC_27con	HGC_27004	OK	0.48064	0.29564	-0.701127	0.2211
XCL1	HGC_27con	HGC_27004	OK	2.53179	1.5575	-0.700922	0.2556
PTK2B	HGC_27con	HGC_27004	OK	1.16683	0.71814	-0.700251	0.1561
IGFBP7	HGC_27con	HGC_27004	OK	98.7654	60.8276	-0.69928	0.1563
PIK3R6	HGC_27con	HGC_27004	NOTEST	0.10627	0.06547	-0.698901	1
CALD1	HGC_27con	HGC_27004	OK	18.5102	11.4128	-0.697669	0.0108
LOC100130705	HGC_27con	HGC_27004	OK	0.78605	0.48471	-0.697486	0.2734
TTC16	HGC_27con	HGC_27004	NOTEST	0.2291	0.14127	-0.697471	1
SLC35G6	HGC_27con	HGC_27004	NOTEST	0.14142	0.08723	-0.697135	1
ADRA2C	HGC_27con	HGC_27004	OK	21.5119	13.2717	-0.696785	0.0396
BSN	HGC_27con	HGC_27004	NOTEST	0.19346	0.1194	-0.696183	1
TSPAN7	HGC_27con	HGC_27004	OK	6.73723	4.15839	-0.696131	0.1095
CD7	HGC_27con	HGC_27004	OK	5.9827	3.69301	-0.696	0.1752
LPPR4	HGC_27con	HGC_27004	NOTEST	0.11771	0.07267	-0.69589	1
NLRP11	HGC_27con	HGC_27004	NOTEST	0.22263	0.13745	-0.69572	1
CABLES1	HGC_27con	HGC_27004	OK	7.01472	4.33101	-0.695681	0.0227
LOC254896	HGC_27con	HGC_27004	NOTEST	0.08998	0.05556	-0.695468	1
ROM1	HGC_27con	HGC_27004	OK	2.96428	1.83073	-0.695265	0.5157
MIR378J	HGC_27con	HGC_27004	OK	12.7556	7.87794	-0.69524	0.7396
PTPRM	HGC_27con	HGC_27004	NOTEST	0.3088	0.19074	-0.695096	1
ID2	HGC_27con	HGC_27004	OK	29.7665	18.3873	-0.694978	0.0298
SPSB2	HGC_27con	HGC_27004	OK	8.89552	5.49803	-0.694164	0.7513
TMEM86B	HGC_27con	HGC_27004	OK	1.36747	0.84523	-0.69409	0.3072
SNTB1	HGC_27con	HGC_27004	OK	11.8608	7.3313	-0.694057	0.0157
NR4A1	HGC_27con	HGC_27004	OK	4.9804	3.07876	-0.69391	0.0978
SLC7A4	HGC_27con	HGC_27004	NOTEST	0.14723	0.09103	-0.693675	1
TSPAN32	HGC_27con	HGC_27004	OK	2.32256	1.43601	-0.693652	0.2646
HAPLN2	HGC_27con	HGC_27004	NOTEST	0.14837	0.09176	-0.693268	1
SPAG5-AS1	HGC_27con	HGC_27004	OK	0.50992	0.31543	-0.69294	0.8002
SHISA4	HGC_27con	HGC_27004	OK	0.82953	0.5132	-0.692782	0.3586
MIR670HG	HGC_27con	HGC_27004	OK	0.56726	0.351	-0.692543	0.5223
ID3	HGC_27con	HGC_27004	OK	141.086	87.3064	-0.692417	0.0123
RHOXF1-AS1	HGC_27con	HGC_27004	OK	1.4259	0.8824	-0.692368	0.446
SUSD6	HGC_27con	HGC_27004	OK	4.70818	2.91491	-0.691714	0.043
DCDC5	HGC_27con	HGC_27004	NOTEST	0.0897	0.05554	-0.691572	1
LPAR2	HGC_27con	HGC_27004	OK	7.12309	4.41145	-0.691251	0.1386
DMRTA1	HGC_27con	HGC_27004	OK	0.65433	0.40535	-0.690852	0.3505
PAXIP1-AS2	HGC_27con	HGC_27004	OK	1.88593	1.16834	-0.690822	0.6417
IFITM1	HGC_27con	HGC_27004	OK	47.5594	29.4704	-0.690462	0.0428
GOLGA8A	HGC_27con	HGC_27004	NOTEST	0.10002	0.06199	-0.6902	1
ENO3	HGC_27con	HGC_27004	OK	7.2386	4.48659	-0.69009	0.09
CD248	HGC_27con	HGC_27004	OK	43.095	26.7132	-0.689969	0.0148
KRT6B	HGC_27con	HGC_27004	NOTEST	0.0438	0.02716	-0.689307	1
TMEM2	HGC_27con	HGC_27004	OK	17.1382	10.6284	-0.689294	0.0102
JAKMIP3	HGC_27con	HGC_27004	NOTEST	0.2489	0.15437	-0.689198	1
LINC01512	HGC_27con	HGC_27004	OK	2.15487	1.33656	-0.68908	0.215
BST2	HGC_27con	HGC_27004	OK	25.3046	15.7031	-0.688352	0.0433
PLXNB1	HGC_27con	HGC_27004	OK	5.08403	3.15591	-0.687914	0.0262

EIF1B-AS1	HGC_27con	HGC_27004	NOTEST	0.25007	0.15528	-0.68745	1
SH3GL1P1	HGC_27con	HGC_27004	OK	0.50402	0.31298	-0.687419	0.6089
SLC15A3	HGC_27con	HGC_27004	NOTEST	0.10823	0.06722	-0.687201	1
ATOH8	HGC_27con	HGC_27004	OK	2.77235	1.72189	-0.687113	0.0636
TTC41P	HGC_27con	HGC_27004	NOTEST	0.1179	0.07324	-0.686905	1
NTF4	HGC_27con	HGC_27004	OK	4.82097	2.99522	-0.68666	0.2477
KCNJ15	HGC_27con	HGC_27004	NOTEST	0.09741	0.06053	-0.686573	1
PRICKLE4	HGC_27con	HGC_27004	OK	3.63857	2.26092	-0.686461	0.1827
TMEM178B	HGC_27con	HGC_27004	NOTEST	0.03285	0.02041	-0.686307	1
MADCAM1	HGC_27con	HGC_27004	OK	0.56251	0.34962	-0.686088	0.4578
MBOAT7	HGC_27con	HGC_27004	OK	19.9735	12.415	-0.686005	0.032
FAM182B	HGC_27con	HGC_27004	OK	0.8725	0.54239	-0.685824	0.388
PSMD6-AS2	HGC_27con	HGC_27004	OK	0.38317	0.2382	-0.685809	0.4939
BHLHE40-AS1	HGC_27con	HGC_27004	NOTEST	0.16217	0.10082	-0.685782	1
CATSPER2P1	HGC_27con	HGC_27004	OK	1.28812	0.80079	-0.685777	0.2959
KIFC3	HGC_27con	HGC_27004	OK	2.10292	1.30783	-0.685217	0.1325
MAPK8IP1	HGC_27con	HGC_27004	OK	3.83564	2.38635	-0.684664	0.1009
CORT	HGC_27con	HGC_27004	OK	1.05089	0.65389	-0.684502	0.6912
CCS	HGC_27con	HGC_27004	OK	25.4754	15.8564	-0.684037	0.043
ITGA3	HGC_27con	HGC_27004	OK	6.11805	3.80825	-0.683944	0.0378
ARL17A	HGC_27con	HGC_27004	NOTEST	0.1773	0.1104	-0.683505	1
COL1A2	HGC_27con	HGC_27004	OK	21.0546	13.1153	-0.682885	0.0145
HOXC5	HGC_27con	HGC_27004	OK	4.13555	2.57639	-0.682727	0.3992
ARHGAP22	HGC_27con	HGC_27004	NOTEST	0.12669	0.07893	-0.682608	1
C4A,C4B	HGC_27con	HGC_27004	NOTEST	0.03776	0.02353	-0.6825	1
LOC101927391	HGC_27con	HGC_27004	OK	1.39081	0.86671	-0.682308	0.264
PTK7	HGC_27con	HGC_27004	OK	62.2479	38.7981	-0.682038	0.0091
C15orf52	HGC_27con	HGC_27004	OK	6.47964	4.04067	-0.681319	0.0273
HPGD	HGC_27con	HGC_27004	OK	0.97066	0.60532	-0.681273	0.2637
DLX2-AS1	HGC_27con	HGC_27004	NOTEST	0.14214	0.08864	-0.681265	1
CCDC144CP	HGC_27con	HGC_27004	NOTEST	0.02356	0.0147	-0.680988	1
PLGLB2	HGC_27con	HGC_27004	NOTEST	0.00887	0.00553	-0.680792	1
TNFAIP2	HGC_27con	HGC_27004	NOTEST	0.12241	0.07637	-0.68062	1
PCDHB11	HGC_27con	HGC_27004	OK	2.81396	1.75587	-0.680414	0.1527
KCNAB3	HGC_27con	HGC_27004	OK	1.01811	0.63542	-0.680102	0.2669
EVL	HGC_27con	HGC_27004	NOTEST	0.05065	0.03162	-0.679918	1
ZNF670-ZNF695	HGC_27con	HGC_27004	OK	1.34119	0.83728	-0.679738	0.6335
LCA5L	HGC_27con	HGC_27004	OK	0.74938	0.468	-0.679193	0.2989
ADAMTS12	HGC_27con	HGC_27004	NOTEST	0.09111	0.05691	-0.678881	1
NBL1	HGC_27con	HGC_27004	OK	19.6146	12.2535	-0.678727	0.1157
FOXD4	HGC_27con	HGC_27004	NOTEST	0.18558	0.11594	-0.678631	1
GPX3	HGC_27con	HGC_27004	NOTEST	0.06005	0.03752	-0.678519	1
IFIT2	HGC_27con	HGC_27004	OK	0.57338	0.35845	-0.677735	0.2891
ERVH48-1	HGC_27con	HGC_27004	NOTEST	0.17323	0.10831	-0.677565	1
UBALD1	HGC_27con	HGC_27004	OK	9.7435	6.09261	-0.677381	0.117
TUBA4A	HGC_27con	HGC_27004	OK	2.10837	1.31837	-0.677378	0.5061
CACTIN-AS1	HGC_27con	HGC_27004	OK	1.40052	0.87586	-0.677186	0.6845
APLF	HGC_27con	HGC_27004	NOTEST	0.11271	0.07054	-0.676045	1
FAM227A	HGC_27con	HGC_27004	OK	0.83109	0.52018	-0.676007	0.1055
FLNA	HGC_27con	HGC_27004	OK	123.134	77.0928	-0.67556	0.0091
LOC646626	HGC_27con	HGC_27004	OK	0.81223	0.50857	-0.675447	0.497
SGK1	HGC_27con	HGC_27004	OK	27.7682	17.3895	-0.675213	0.02
C10orf95	HGC_27con	HGC_27004	OK	4.46757	2.79868	-0.674745	0.405
LOC100506083	HGC_27con	HGC_27004	OK	0.73093	0.45794	-0.674557	0.3806

LYRM9	HGC_27con	HGC_27004	OK	4.21714	2.6422	-0.674524	0.1881
SEMA6B	HGC_27con	HGC_27004	OK	11.5648	7.24581	-0.674518	0.0345
LOC102724009	HGC_27con	HGC_27004	OK	1.01791	0.63778	-0.67448	0.7826
TRIM35	HGC_27con	HGC_27004	OK	6.29597	3.94614	-0.673986	0.0462
SLC51A	HGC_27con	HGC_27004	NOTEST	0.2562	0.16063	-0.673559	1
FAM53B-AS1	HGC_27con	HGC_27004	NOTEST	0.22923	0.14374	-0.67335	1
INHA	HGC_27con	HGC_27004	OK	0.92124	0.57793	-0.672687	0.3631
MBNL1-AS1	HGC_27con	HGC_27004	OK	0.44198	0.27728	-0.672657	0.7041
LOC102723859	HGC_27con	HGC_27004	NOTEST	0.17519	0.10994	-0.6723	1
KIAA1217	HGC_27con	HGC_27004	OK	2.36759	1.48633	-0.671666	0.0829
LINC00908	HGC_27con	HGC_27004	NOTEST	0.05284	0.03318	-0.671314	1
DHDH	HGC_27con	HGC_27004	OK	0.68327	0.4291	-0.671137	0.4627
VTN	HGC_27con	HGC_27004	OK	0.57388	0.36055	-0.670528	0.4101
SLC46A2	HGC_27con	HGC_27004	NOTEST	0.1626	0.10218	-0.67025	1
PHLDA3	HGC_27con	HGC_27004	NOTEST	0.08216	0.05163	-0.670127	1
CACNA1G-AS1	HGC_27con	HGC_27004	OK	0.48255	0.30326	-0.670115	0.7344
TMEM38A	HGC_27con	HGC_27004	OK	3.63545	2.28526	-0.669775	0.2129
ZNF547	HGC_27con	HGC_27004	OK	0.42427	0.26672	-0.669679	0.51
GDF6	HGC_27con	HGC_27004	NOTEST	0.02688	0.0169	-0.669458	1
EFEMP2	HGC_27con	HGC_27004	OK	1.12551	0.70779	-0.66918	0.7172
PDCL3P4	HGC_27con	HGC_27004	OK	1.08596	0.68332	-0.668336	0.3566
DAND5	HGC_27con	HGC_27004	OK	9.45581	5.95038	-0.668219	0.0836
CYP4F30P	HGC_27con	HGC_27004	NOTEST	0.28704	0.18069	-0.667712	1
LINC00304	HGC_27con	HGC_27004	OK	1.70308	1.07212	-0.667686	0.2517
CTSO	HGC_27con	HGC_27004	OK	2.6986	1.69923	-0.667324	0.1738
IFITM3	HGC_27con	HGC_27004	OK	299.848	188.889	-0.666694	0.0123
GUSBP2	HGC_27con	HGC_27004	OK	1.42015	0.89462	-0.666694	0.3436
UNC13D	HGC_27con	HGC_27004	OK	0.34002	0.21422	-0.666536	0.3587
NKD1	HGC_27con	HGC_27004	OK	10.4863	6.60717	-0.666399	0.0175
CAPN12	HGC_27con	HGC_27004	OK	3.48537	2.19621	-0.666297	0.5788
CD44	HGC_27con	HGC_27004	OK	18.8175	11.8633	-0.665563	0.0161
TRIM9	HGC_27con	HGC_27004	OK	4.24725	2.67842	-0.665149	0.0567
SLC4A7	HGC_27con	HGC_27004	OK	19.8587	12.5247	-0.664991	0.0139
PLXNA4	HGC_27con	HGC_27004	OK	0.93919	0.59241	-0.664818	0.0867
GSTTP2	HGC_27con	HGC_27004	NOTEST	0.0446	0.02814	-0.664334	1
LOC101928718	HGC_27con	HGC_27004	NOTEST	0.1607	0.1014	-0.664315	1
GLIS1	HGC_27con	HGC_27004	OK	0.37677	0.23782	-0.663823	0.4169
COL8A2	HGC_27con	HGC_27004	OK	0.92638	0.58488	-0.663464	0.232
CNTN1	HGC_27con	HGC_27004	OK	28.6918	18.1151	-0.663445	0.0138
FUK	HGC_27con	HGC_27004	OK	4.81326	3.03897	-0.663434	0.075
CELSR2	HGC_27con	HGC_27004	OK	3.5145	2.21897	-0.663427	0.0376
ZNF716	HGC_27con	HGC_27004	NOTEST	0.02921	0.01844	-0.66331	1
CCDC84	HGC_27con	HGC_27004	OK	5.18321	3.27299	-0.663237	0.6977
CILP	HGC_27con	HGC_27004	NOTEST	0.02138	0.0135	-0.663161	1
SNAPC2	HGC_27con	HGC_27004	OK	27.1827	17.1668	-0.663067	0.0357
RAB36	HGC_27con	HGC_27004	OK	2.31597	1.46281	-0.662875	0.1623
NRXN3	HGC_27con	HGC_27004	NOTEST	0.02522	0.01593	-0.662787	1
CNFN	HGC_27con	HGC_27004	OK	14.0817	8.89494	-0.662763	0.3085
ADAM20P1	HGC_27con	HGC_27004	NOTEST	0.16527	0.10443	-0.662224	1
ZNF589	HGC_27con	HGC_27004	OK	7.57237	4.78539	-0.662107	0.0446
LOC143666	HGC_27con	HGC_27004	OK	0.92548	0.58506	-0.661632	0.3078
LOC100507250	HGC_27con	HGC_27004	NOTEST	0.10003	0.06325	-0.661268	1
CCDC57	HGC_27con	HGC_27004	OK	3.54881	2.24418	-0.661147	0.0957
POM121L9P	HGC_27con	HGC_27004	NOTEST	0.0181	0.01145	-0.660783	1

SMCR2	HGC_27con	HGC_27004	NOTEST	0.20748	0.13124	-0.660745	1
IL6R	HGC_27con	HGC_27004	OK	1.90125	1.20267	-0.660702	0.1642
KEL	HGC_27con	HGC_27004	NOTEST	0.041	0.02593	-0.660686	1
PKIG	HGC_27con	HGC_27004	OK	22.626	14.3137	-0.660585	0.0486
SEMA3G	HGC_27con	HGC_27004	OK	0.82322	0.52102	-0.65994	0.238
CADM4	HGC_27con	HGC_27004	OK	5.3455	3.38627	-0.658626	0.0959
SPNS2	HGC_27con	HGC_27004	OK	0.3642	0.23075	-0.658389	0.5592
WNT5B	HGC_27con	HGC_27004	OK	0.5759	0.3649	-0.658337	0.3703
LOC100507557	HGC_27con	HGC_27004	NOTEST	0.17252	0.10932	-0.658269	1
GPAT2	HGC_27con	HGC_27004	NOTEST	0.31612	0.20045	-0.65724	1
CFHR4	HGC_27con	HGC_27004	NOTEST	0.19063	0.12096	-0.656281	1
LOC728392	HGC_27con	HGC_27004	OK	0.94349	0.59889	-0.655713	0.3903
KCNMA1	HGC_27con	HGC_27004	OK	4.53692	2.87991	-0.65569	0.4148
CCIN	HGC_27con	HGC_27004	NOTEST	0.06028	0.03828	-0.655001	1
UBA7	HGC_27con	HGC_27004	OK	1.14741	0.72912	-0.654145	0.2433
SLC7A9	HGC_27con	HGC_27004	NOTEST	0.16813	0.10684	-0.654118	1
TSPAN1	HGC_27con	HGC_27004	NOTEST	0.17082	0.10858	-0.653772	1
RFX3-AS1	HGC_27con	HGC_27004	OK	1.26424	0.80378	-0.653398	0.3473
IL17RE	HGC_27con	HGC_27004	NOTEST	0.24661	0.1568	-0.653287	1
RUNDC3A-AS1	HGC_27con	HGC_27004	OK	0.41009	0.26083	-0.652843	0.3305
SLC38A4	HGC_27con	HGC_27004	OK	1.39066	0.88457	-0.652717	0.2178
GLIPR1	HGC_27con	HGC_27004	NOTEST	0.04608	0.02931	-0.652537	1
RTCA-AS1	HGC_27con	HGC_27004	OK	1.04901	0.66739	-0.652418	0.7962
FUT8-AS1	HGC_27con	HGC_27004	OK	0.42731	0.27192	-0.65209	0.4136
RGAG1	HGC_27con	HGC_27004	NOTEST	0.168	0.10698	-0.65114	1
ETV7	HGC_27con	HGC_27004	NOTEST	0.07414	0.04722	-0.650935	1
EFNB1	HGC_27con	HGC_27004	OK	6.20054	3.94908	-0.650878	0.0718
TEX101	HGC_27con	HGC_27004	NOTEST	0.12287	0.07826	-0.650786	1
PCAT7	HGC_27con	HGC_27004	OK	6.49062	4.13417	-0.650759	0.1564
HOXC4	HGC_27con	HGC_27004	OK	5.28153	3.3643	-0.650647	0.2781
MED15P9	HGC_27con	HGC_27004	OK	1.59542	1.0165	-0.650323	0.4074
CD82	HGC_27con	HGC_27004	OK	2.44928	1.56058	-0.650279	0.2657
DSCR4	HGC_27con	HGC_27004	OK	2.38772	1.52195	-0.64972	0.319
BTG2	HGC_27con	HGC_27004	OK	7.00188	4.464	-0.649403	0.0806
SYT3	HGC_27con	HGC_27004	OK	2.77643	1.77033	-0.64921	0.1931
LOC101929679	HGC_27con	HGC_27004	NOTEST	0.13237	0.08441	-0.649142	1
ASPDH	HGC_27con	HGC_27004	NOTEST	0.16116	0.10277	-0.648998	1
IL21R-AS1	HGC_27con	HGC_27004	NOTEST	0.07935	0.05061	-0.648761	1
FALEC	HGC_27con	HGC_27004	OK	0.77906	0.49695	-0.648644	0.5437
PIGR	HGC_27con	HGC_27004	NOTEST	0.04415	0.02816	-0.648627	1
FAM71F2	HGC_27con	HGC_27004	NOTEST	0.09158	0.05842	-0.648507	1
C1QTNF9B	HGC_27con	HGC_27004	NOTEST	0.28343	0.18092	-0.647673	1
RORC	HGC_27con	HGC_27004	OK	2.60095	1.66027	-0.647619	0.155
RELB	HGC_27con	HGC_27004	OK	0.49346	0.3151	-0.647149	0.4192
FLJ38576	HGC_27con	HGC_27004	NOTEST	0.08304	0.05305	-0.646481	1
LOC55338	HGC_27con	HGC_27004	NOTEST	0.095	0.06071	-0.646151	1
IFT74	HGC_27con	HGC_27004	OK	6.54508	4.18278	-0.645949	0.3152
MIR22HG	HGC_27con	HGC_27004	OK	3.2059	2.04957	-0.645406	0.1828
ADAMTSL3	HGC_27con	HGC_27004	OK	1.39875	0.89468	-0.644701	0.1
USP6	HGC_27con	HGC_27004	NOTEST	0.12939	0.08277	-0.644533	1
C9orf131	HGC_27con	HGC_27004	NOTEST	0.02679	0.01714	-0.644311	1
CCDC183	HGC_27con	HGC_27004	OK	0.78362	0.50142	-0.644142	0.4531
FAM87A	HGC_27con	HGC_27004	NOTEST	0.02611	0.01672	-0.64288	1
NUDT7	HGC_27con	HGC_27004	OK	4.28845	2.74707	-0.642561	0.2672

NID1	HGC_27con	HGC_27004	OK	0.48791	0.31261	-0.642223	0.2971
LINC01547	HGC_27con	HGC_27004	OK	2.92365	1.87463	-0.641167	0.2522
SAMD5	HGC_27con	HGC_27004	OK	1.28195	0.82212	-0.640911	0.1737
EPHA7	HGC_27con	HGC_27004	NOTEST	0.13086	0.08392	-0.640901	1
NPL	HGC_27con	HGC_27004	OK	1.77377	1.13792	-0.640416	0.2253
SLC8B1	HGC_27con	HGC_27004	OK	1.49271	0.95826	-0.639448	0.2666
ICAM4	HGC_27con	HGC_27004	OK	8.60425	5.52373	-0.639407	0.1459
TRPM4	HGC_27con	HGC_27004	OK	8.06623	5.18128	-0.638585	0.0507
EXOC3-AS1	HGC_27con	HGC_27004	OK	4.52543	2.90719	-0.63843	0.2305
SPATA9	HGC_27con	HGC_27004	OK	0.36444	0.23413	-0.638397	0.6033
APC2	HGC_27con	HGC_27004	OK	8.33062	5.35293	-0.638095	0.0731
TP53INP1	HGC_27con	HGC_27004	OK	3.26954	2.10108	-0.637955	0.0838
WNT3A	HGC_27con	HGC_27004	OK	0.34802	0.22366	-0.637854	0.4334
PRSS54	HGC_27con	HGC_27004	OK	0.56714	0.36456	-0.637564	0.6084
C17orf100	HGC_27con	HGC_27004	OK	2.11167	1.35814	-0.636752	0.299
BOK	HGC_27con	HGC_27004	OK	3.98478	2.56294	-0.636699	0.1252
FCGR2A	HGC_27con	HGC_27004	OK	0.78521	0.50508	-0.636557	0.3425
LOC148709	HGC_27con	HGC_27004	NOTEST	0.04972	0.03199	-0.636234	1
ATP8B1	HGC_27con	HGC_27004	NOTEST	0.1946	0.12525	-0.635675	1
GIMAP2	HGC_27con	HGC_27004	OK	0.50202	0.32312	-0.635671	0.4429
IER3	HGC_27con	HGC_27004	OK	7.72631	4.9733	-0.635578	0.1798
PERM1	HGC_27con	HGC_27004	NOTEST	0.08987	0.05788	-0.634786	1
BCL2L15	HGC_27con	HGC_27004	OK	0.71649	0.46169	-0.63401	0.617
TAPBPL	HGC_27con	HGC_27004	OK	4.14791	2.67328	-0.633771	0.2718
HTR7P1	HGC_27con	HGC_27004	OK	0.49825	0.32125	-0.633179	0.3496
TRAPPC6A	HGC_27con	HGC_27004	OK	36.6713	23.6512	-0.632735	0.0586
C11orf21	HGC_27con	HGC_27004	OK	1.01922	0.65756	-0.632271	0.3214
SVOP	HGC_27con	HGC_27004	NOTEST	0.06501	0.04196	-0.631716	1
PDGFRB	HGC_27con	HGC_27004	OK	1.17021	0.75531	-0.631633	0.1792
ARTN	HGC_27con	HGC_27004	OK	1.7005	1.09764	-0.631547	0.3474
INTS6-AS1	HGC_27con	HGC_27004	OK	1.68439	1.08738	-0.631366	0.4272
TTC36	HGC_27con	HGC_27004	OK	0.83533	0.5394	-0.630992	0.8047
MGAT4B	HGC_27con	HGC_27004	OK	27.616	17.837	-0.630632	0.1977
GRIN3B	HGC_27con	HGC_27004	OK	1.26539	0.81746	-0.630354	0.3353
XDH	HGC_27con	HGC_27004	NOTEST	0.0308	0.0199	-0.630243	1
ATN1	HGC_27con	HGC_27004	OK	48.7527	31.4994	-0.630155	0.0169
C1QTNF4	HGC_27con	HGC_27004	OK	0.72027	0.46549	-0.62978	0.5396
GGN	HGC_27con	HGC_27004	NOTEST	0.31536	0.20385	-0.629499	1
GADD45B	HGC_27con	HGC_27004	OK	4.99087	3.22629	-0.629412	0.1883
SLC43A2	HGC_27con	HGC_27004	OK	1.8404	1.18975	-0.62936	0.0896
TECTA	HGC_27con	HGC_27004	NOTEST	0.19332	0.12502	-0.62885	1
CHST11	HGC_27con	HGC_27004	OK	1.97989	1.28066	-0.628538	0.1188
KIAA2012	HGC_27con	HGC_27004	NOTEST	0.01583	0.01024	-0.628367	1
AGMAT	HGC_27con	HGC_27004	NOTEST	0.07031	0.04549	-0.628344	1
C9orf116	HGC_27con	HGC_27004	OK	7.2695	4.703	-0.628275	0.2799
LINC01237	HGC_27con	HGC_27004	NOTEST	0.31448	0.20347	-0.628199	1
MGC16025	HGC_27con	HGC_27004	NOTEST	0.0562	0.03636	-0.628088	1
SLC2A11	HGC_27con	HGC_27004	OK	6.69219	4.332	-0.627447	0.1134
LOC257396	HGC_27con	HGC_27004	OK	0.91979	0.59561	-0.626939	0.3276
ATP13A2	HGC_27con	HGC_27004	OK	6.16981	3.9959	-0.626705	0.0737
RORA	HGC_27con	HGC_27004	NOTEST	0.15076	0.0977	-0.625783	1
LOC101927476	HGC_27con	HGC_27004	NOTEST	0.18925	0.12269	-0.625261	1
KIAA1407	HGC_27con	HGC_27004	OK	0.47495	0.30793	-0.625158	0.2983
TRAPPC9	HGC_27con	HGC_27004	OK	5.74754	3.72783	-0.624607	0.0635

CMIP	HGC_27con	HGC_27004	OK	6.70515	4.34944	-0.624442	0.0558
PAOX	HGC_27con	HGC_27004	OK	0.98449	0.63871	-0.624212	0.3645
VIM-AS1	HGC_27con	HGC_27004	OK	1.01533	0.65894	-0.623739	0.7662
GTF2IRD1P1	HGC_27con	HGC_27004	OK	2.547	1.65325	-0.623495	0.3455
HECTD2-AS1	HGC_27con	HGC_27004	NOTEST	0.10242	0.06651	-0.622772	1
CAV1	HGC_27con	HGC_27004	OK	8.19591	5.32281	-0.622716	0.0879
ZNF771	HGC_27con	HGC_27004	OK	16.6271	10.8038	-0.621993	0.1023
UBTD1	HGC_27con	HGC_27004	OK	16.0678	10.4405	-0.621977	0.076
LOC155060	HGC_27con	HGC_27004	OK	8.90546	5.78908	-0.621356	0.0579
SEC1P	HGC_27con	HGC_27004	OK	0.50464	0.32806	-0.621295	0.7382
PRPH	HGC_27con	HGC_27004	OK	34.1659	22.2204	-0.620671	0.126
SOX18	HGC_27con	HGC_27004	OK	10.2826	6.68893	-0.620362	0.192
FAM184B	HGC_27con	HGC_27004	NOTEST	0.19022	0.12374	-0.620298	1
AATK	HGC_27con	HGC_27004	OK	3.1308	2.03714	-0.619984	0.3066
LOC100996455	HGC_27con	HGC_27004	OK	0.34387	0.22377	-0.61983	0.4179
PLAUR	HGC_27con	HGC_27004	OK	2.44955	1.59405	-0.61982	0.2714
CTF1	HGC_27con	HGC_27004	OK	15.0903	9.82025	-0.619794	0.1144
PAQR6	HGC_27con	HGC_27004	OK	8.11117	5.27872	-0.619723	0.3432
ADAMTS5	HGC_27con	HGC_27004	OK	1.30376	0.84863	-0.619474	0.1259
ARGFX	HGC_27con	HGC_27004	NOTEST	0.04873	0.03172	-0.619457	1
C2orf91	HGC_27con	HGC_27004	NOTEST	0.02358	0.01535	-0.619369	1
LOC101927765	HGC_27con	HGC_27004	OK	2.10624	1.37115	-0.619279	0.733
LOC100133315	HGC_27con	HGC_27004	OK	1.88455	1.22712	-0.618944	0.3407
PODXL	HGC_27con	HGC_27004	OK	3.37075	2.19491	-0.618911	0.064
SNORD35A	HGC_27con	HGC_27004	OK	67.7905	44.1576	-0.61842	0.7598
MXD4	HGC_27con	HGC_27004	OK	51.4342	33.5102	-0.618126	0.0209
SPRED2	HGC_27con	HGC_27004	OK	5.56435	3.62539	-0.618076	0.0655
CPSF4L	HGC_27con	HGC_27004	OK	0.37941	0.24727	-0.617684	0.7927
ZNF441	HGC_27con	HGC_27004	OK	0.90372	0.58913	-0.617297	0.2397
COL12A1	HGC_27con	HGC_27004	OK	3.69869	2.41214	-0.616699	0.0425
NCOR2	HGC_27con	HGC_27004	OK	13.7844	8.9904	-0.616579	0.022
ANGPT2	HGC_27con	HGC_27004	NOTEST	0.09701	0.06329	-0.616265	1
ABCD1	HGC_27con	HGC_27004	OK	19.1846	12.5166	-0.616111	0.0315
LINC01137	HGC_27con	HGC_27004	OK	2.19251	1.43069	-0.615876	0.3117
FAM215A	HGC_27con	HGC_27004	OK	2.5782	1.68242	-0.615827	0.4009
HIST1H2BD	HGC_27con	HGC_27004	OK	4.41048	2.87835	-0.615695	0.3519
TPTE2P1	HGC_27con	HGC_27004	NOTEST	0.05712	0.03728	-0.615573	1
PRAM1	HGC_27con	HGC_27004	NOTEST	0.31906	0.20826	-0.615422	1
ZP3	HGC_27con	HGC_27004	OK	0.74265	0.48476	-0.615399	0.7239
LINC00428	HGC_27con	HGC_27004	NOTEST	0.22456	0.14662	-0.61502	1
TGFB111	HGC_27con	HGC_27004	OK	21.2224	13.864	-0.61424	0.0582
LOC100506100	HGC_27con	HGC_27004	OK	4.01724	2.6247	-0.614052	0.6063
KREMEN1	HGC_27con	HGC_27004	OK	6.88087	4.49696	-0.613642	0.0385
FDPSP2	HGC_27con	HGC_27004	NOTEST	0.17126	0.11195	-0.613277	1
CACNA2D3	HGC_27con	HGC_27004	NOTEST	0.04962	0.03244	-0.613085	1
FER1L4	HGC_27con	HGC_27004	OK	0.96984	0.63411	-0.613023	0.1986
GNA15	HGC_27con	HGC_27004	NOTEST	0.11621	0.07599	-0.612893	1
RTN4RL1	HGC_27con	HGC_27004	OK	4.97381	3.25266	-0.612731	0.0972
PYCARD	HGC_27con	HGC_27004	OK	0.90338	0.59094	-0.612335	0.6569
DNAJC4	HGC_27con	HGC_27004	OK	16.25	10.6312	-0.612136	0.0901
PGBD5	HGC_27con	HGC_27004	NOTEST	0.11149	0.07294	-0.612114	1
TTC3P1	HGC_27con	HGC_27004	NOTEST	0.25945	0.16976	-0.611913	1
LOC101929586	HGC_27con	HGC_27004	NOTEST	0.31494	0.20618	-0.611156	1
JHDM1D-AS1	HGC_27con	HGC_27004	OK	0.79037	0.51746	-0.611075	0.3573

KIAA1107	HGC_27con	HGC_27004	NOTEST	0.22466	0.14712	-0.610729	1
HMOX1	HGC_27con	HGC_27004	OK	10.818	7.08474	-0.610641	0.1108
SPEF2	HGC_27con	HGC_27004	OK	1.523	0.99782	-0.610065	0.2281
RAP1GAP	HGC_27con	HGC_27004	OK	0.33714	0.22091	-0.609873	0.4087
DPH3P1	HGC_27con	HGC_27004	OK	2.68917	1.76209	-0.609869	0.7423
PLA2G6	HGC_27con	HGC_27004	OK	8.37645	5.48892	-0.609817	0.0613
CRIP2	HGC_27con	HGC_27004	OK	66.746	43.7401	-0.609725	0.0361
LENG8-AS1	HGC_27con	HGC_27004	OK	3.04127	1.99316	-0.609619	0.3686
FAM46B	HGC_27con	HGC_27004	OK	1.16935	0.7664	-0.609535	0.3307
MEGF11	HGC_27con	HGC_27004	NOTEST	0.25414	0.1667	-0.608391	1
MYO1E	HGC_27con	HGC_27004	OK	2.19666	1.44121	-0.608029	0.1125
STAT3	HGC_27con	HGC_27004	OK	10.8193	7.10308	-0.607095	0.0326
KHDRBS3	HGC_27con	HGC_27004	NOTEST	0.04586	0.03011	-0.607046	1
SNORA67	HGC_27con	HGC_27004	OK	57.1095	37.5128	-0.60635	0.807
KIAA1644	HGC_27con	HGC_27004	OK	2.34088	1.53868	-0.605356	0.0924
AHRR	HGC_27con	HGC_27004	OK	12.0978	7.95297	-0.605179	0.1098
VDR	HGC_27con	HGC_27004	OK	1.44942	0.95318	-0.604648	0.1859
GRHL3	HGC_27con	HGC_27004	NOTEST	0.16523	0.10875	-0.603473	1
ZNF580	HGC_27con	HGC_27004	OK	19.2664	12.6826	-0.603231	0.1552
NRIP3	HGC_27con	HGC_27004	NOTEST	0.0795	0.05236	-0.602662	1
TUFT1	HGC_27con	HGC_27004	OK	4.38848	2.89048	-0.602415	0.1018
ETHE1	HGC_27con	HGC_27004	OK	21.8873	14.4209	-0.601931	0.1121
RRAS	HGC_27con	HGC_27004	OK	14.2497	9.38936	-0.601831	0.1495
PRKCG	HGC_27con	HGC_27004	NOTEST	0.09586	0.0632	-0.600898	1
FAM155B	HGC_27con	HGC_27004	OK	0.51247	0.33796	-0.600628	0.3339
SLC15A1	HGC_27con	HGC_27004	NOTEST	0.03358	0.02216	-0.60008	1
LINC00940	HGC_27con	HGC_27004	OK	0.57574	0.37986	-0.599964	0.4125
LOC101928600	HGC_27con	HGC_27004	OK	2.47295	1.63271	-0.598963	0.3304
ACSL5	HGC_27con	HGC_27004	NOTEST	0.02977	0.01969	-0.596892	1
LOC100129550	HGC_27con	HGC_27004	NOTEST	0.30871	0.20412	-0.596864	1
LOC101927973	HGC_27con	HGC_27004	NOTEST	0.12052	0.0797	-0.596641	1
ARMC9	HGC_27con	HGC_27004	OK	6.30426	4.17014	-0.596233	0.1039
SYS1-DBNDD2	HGC_27con	HGC_27004	OK	0.81214	0.53739	-0.595753	0.5605
NUDT18	HGC_27con	HGC_27004	OK	7.22551	4.78144	-0.595654	0.1583
ABCC3	HGC_27con	HGC_27004	NOTEST	0.16746	0.11086	-0.595079	1
ADAMTSL5	HGC_27con	HGC_27004	OK	11.9206	7.89253	-0.594902	0.0828
WBP1	HGC_27con	HGC_27004	OK	80.0413	53.0123	-0.594418	0.0795
ARHGAP27	HGC_27con	HGC_27004	OK	4.27283	2.83106	-0.593849	0.2029
LOC100128006	HGC_27con	HGC_27004	NOTEST	0.03052	0.02024	-0.592915	1
LOC100288152	HGC_27con	HGC_27004	OK	41.7065	27.6546	-0.592754	0.0503
GHRL	HGC_27con	HGC_27004	NOTEST	0.14922	0.09895	-0.592683	1
PLCD3	HGC_27con	HGC_27004	OK	21.239	14.0841	-0.592649	0.0379
SCART1	HGC_27con	HGC_27004	OK	0.49714	0.32973	-0.592374	0.359
DAZAP2	HGC_27con	HGC_27004	OK	90.1128	59.7769	-0.592144	0.0307
ZNF862	HGC_27con	HGC_27004	OK	4.37348	2.90124	-0.592115	0.0615
PAN2	HGC_27con	HGC_27004	OK	25.972	17.2328	-0.591801	0.0763
LCN15	HGC_27con	HGC_27004	OK	0.72024	0.47798	-0.591525	0.5287
HDAC5	HGC_27con	HGC_27004	OK	11.8081	7.83697	-0.59141	0.0385
TNS2	HGC_27con	HGC_27004	OK	14.3936	9.55427	-0.591211	0.0815
LIF	HGC_27con	HGC_27004	OK	0.33346	0.22138	-0.591002	0.3971
CYTH3	HGC_27con	HGC_27004	OK	14.6001	9.69706	-0.590362	0.0408
KANK2	HGC_27con	HGC_27004	OK	25.7509	17.1043	-0.590262	0.0254
SNORA23	HGC_27con	HGC_27004	OK	5.19745	3.45344	-0.589771	0.7488
NEAT1	HGC_27con	HGC_27004	OK	174.878	116.225	-0.589435	0.0214

ATG4D	HGC_27con	HGC_27004	OK	16.1568	10.7426	-0.588792	0.3329
LINC01550	HGC_27con	HGC_27004	OK	2.82241	1.87671	-0.588726	0.2923
C16orf89	HGC_27con	HGC_27004	NOTEST	0.29363	0.19524	-0.588706	1
SYPL2	HGC_27con	HGC_27004	OK	0.4711	0.31327	-0.588602	0.3939
LOC146880	HGC_27con	HGC_27004	OK	3.61131	2.40162	-0.588514	0.1681
SEC16B	HGC_27con	HGC_27004	OK	0.6347	0.42214	-0.588343	0.3377
TMPRSS15	HGC_27con	HGC_27004	NOTEST	0.10925	0.07267	-0.588152	1
RGMA	HGC_27con	HGC_27004	OK	1.20339	0.80065	-0.587853	0.3286
ENO4	HGC_27con	HGC_27004	NOTEST	0.27482	0.18286	-0.587752	1
C10orf54	HGC_27con	HGC_27004	OK	0.40264	0.26795	-0.587556	0.4268
CEP170P1	HGC_27con	HGC_27004	NOTEST	0.24547	0.16336	-0.587494	1
IL31RA	HGC_27con	HGC_27004	NOTEST	0.05494	0.03657	-0.58715	1
SOX7	HGC_27con	HGC_27004	NOTEST	0.16373	0.10899	-0.587108	1
MARCH3	HGC_27con	HGC_27004	OK	1.06559	0.70947	-0.58684	0.2993
SMAD6	HGC_27con	HGC_27004	OK	10.5631	7.03426	-0.586569	0.1033
SLC6A10P	HGC_27con	HGC_27004	OK	12.2276	8.14367	-0.58639	0.0464
RANBP10	HGC_27con	HGC_27004	OK	7.82089	5.20964	-0.586149	0.0566
YPEL2	HGC_27con	HGC_27004	OK	1.56095	1.03986	-0.586032	0.1805
FAM214B	HGC_27con	HGC_27004	OK	3.81746	2.5433	-0.585913	0.1626
ISCA1	HGC_27con	HGC_27004	OK	28.8209	19.2045	-0.585672	0.0508
EPDR1	HGC_27con	HGC_27004	OK	20.6375	13.7529	-0.585532	0.051
C1orf106	HGC_27con	HGC_27004	NOTEST	0.06492	0.04327	-0.585472	1
TIGD3	HGC_27con	HGC_27004	OK	0.36949	0.24634	-0.584887	0.537
GNG3	HGC_27con	HGC_27004	OK	0.94548	0.63043	-0.584713	0.8294
MYL12A	HGC_27con	HGC_27004	OK	66.0475	44.0408	-0.584664	0.1694
RMDN2	HGC_27con	HGC_27004	OK	2.66864	1.78033	-0.58396	0.2444
TNS1	HGC_27con	HGC_27004	NOTEST	0.15718	0.10486	-0.583906	1
IRF1	HGC_27con	HGC_27004	OK	2.0688	1.38053	-0.583575	0.1965
MYADML2	HGC_27con	HGC_27004	OK	0.59102	0.39443	-0.583442	0.4352
OR8D1	HGC_27con	HGC_27004	OK	0.44918	0.29978	-0.583389	0.693
SLC12A5	HGC_27con	HGC_27004	OK	0.47361	0.31611	-0.583289	0.3358
C8orf49	HGC_27con	HGC_27004	NOTEST	0.30497	0.20363	-0.582691	1
RGPD4	HGC_27con	HGC_27004	NOTEST	0.05574	0.03723	-0.582283	1
NOXO1	HGC_27con	HGC_27004	OK	1.83931	1.22859	-0.582161	0.3683
TCTE3	HGC_27con	HGC_27004	NOTEST	0.13494	0.09017	-0.581695	1
TNFRSF18	HGC_27con	HGC_27004	NOTEST	0.22123	0.14787	-0.581239	1
CACNA1H	HGC_27con	HGC_27004	OK	17.806	11.9053	-0.580759	0.0315
CCDC40	HGC_27con	HGC_27004	OK	0.68985	0.46124	-0.580758	0.2927
FANCD2OS	HGC_27con	HGC_27004	OK	1.12995	0.75554	-0.580681	0.7044
RIMBP3	HGC_27con	HGC_27004	NOTEST	0.07238	0.04841	-0.58021	1
GATA2	HGC_27con	HGC_27004	OK	3.40139	2.27516	-0.580157	0.2082
C9orf163	HGC_27con	HGC_27004	OK	0.65038	0.43507	-0.580038	0.6311
ATP9B	HGC_27con	HGC_27004	OK	2.93824	1.96576	-0.579865	0.1317
PDZD4	HGC_27con	HGC_27004	OK	4.18922	2.80405	-0.579166	0.1201
FAM110D	HGC_27con	HGC_27004	OK	1.66646	1.1157	-0.578836	0.3878
VAMP1	HGC_27con	HGC_27004	OK	3.37979	2.26304	-0.578669	0.2053
DLL4	HGC_27con	HGC_27004	NOTEST	0.16215	0.10857	-0.578655	1
ZNF221	HGC_27con	HGC_27004	NOTEST	0.06537	0.04377	-0.578646	1
LINC01515	HGC_27con	HGC_27004	OK	1.22813	0.82256	-0.578279	0.5323
NLRC3	HGC_27con	HGC_27004	NOTEST	0.24585	0.16467	-0.578233	1
MIR3661	HGC_27con	HGC_27004	OK	388.609	260.378	-0.577712	0.8153
POF1B	HGC_27con	HGC_27004	NOTEST	0.05725	0.03837	-0.577459	1
SLC5A2	HGC_27con	HGC_27004	OK	1.90008	1.27351	-0.577255	0.5268
LTBP3	HGC_27con	HGC_27004	OK	33.1047	22.1895	-0.577159	0.0871

GOLGA2P5	HGC_27con	HGC_27004	OK	0.89143	0.598	-0.575974	0.3474
AQP6	HGC_27con	HGC_27004	OK	0.51815	0.3476	-0.575948	0.4265
NUP210L	HGC_27con	HGC_27004	NOTEST	0.01664	0.01117	-0.575707	1
PIK3C3	HGC_27con	HGC_27004	OK	14.1974	9.52617	-0.57566	0.0465
KLB	HGC_27con	HGC_27004	NOTEST	0.01665	0.01117	-0.575496	1
SGSM3	HGC_27con	HGC_27004	OK	19.7748	13.271	-0.575378	0.0919
CBX8	HGC_27con	HGC_27004	OK	22.9183	15.3842	-0.575049	0.0548
ARSA	HGC_27con	HGC_27004	OK	8.5581	5.74841	-0.574126	0.072
DPH1	HGC_27con	HGC_27004	OK	18.3812	12.3489	-0.573843	0.126
SCRN2	HGC_27con	HGC_27004	OK	23.491	15.7827	-0.573764	0.0644
PAH	HGC_27con	HGC_27004	NOTEST	0.03974	0.02671	-0.573214	1
P2RY2	HGC_27con	HGC_27004	NOTEST	0.02847	0.01914	-0.573123	1
NEB	HGC_27con	HGC_27004	NOTEST	0.0098	0.00658	-0.573081	1
DAGLA	HGC_27con	HGC_27004	OK	1.7469	1.17428	-0.573019	0.199
ZNF662	HGC_27con	HGC_27004	NOTEST	0.01821	0.01225	-0.572086	1
IL17REL	HGC_27con	HGC_27004	NOTEST	0.0464	0.03121	-0.571985	1
NCKAP5	HGC_27con	HGC_27004	OK	1.45168	0.97665	-0.571804	0.1585
SBK3	HGC_27con	HGC_27004	NOTEST	0.13557	0.09124	-0.57127	1
FAM74A3	HGC_27con	HGC_27004	NOTEST	0.04015	0.02702	-0.571266	1
EFCAB14	HGC_27con	HGC_27004	OK	10.9104	7.34365	-0.571132	0.0416
PRRT2	HGC_27con	HGC_27004	OK	2.56825	1.72881	-0.571012	0.2078
HMGN3-AS1	HGC_27con	HGC_27004	OK	0.50221	0.33808	-0.570935	0.7626
METTL12	HGC_27con	HGC_27004	OK	8.82451	5.94076	-0.57087	0.4866
LOC101929099	HGC_27con	HGC_27004	NOTEST	0.23899	0.1609	-0.570791	1
RUNX2	HGC_27con	HGC_27004	OK	5.92395	3.98883	-0.570593	0.4368
PLEKHG5	HGC_27con	HGC_27004	OK	4.15225	2.79657	-0.570233	0.1273
LOC100288846	HGC_27con	HGC_27004	OK	0.6882	0.46358	-0.57001	0.3773
ZNF707	HGC_27con	HGC_27004	OK	2.88363	1.94246	-0.570006	0.2478
TRAM2-AS1	HGC_27con	HGC_27004	OK	2.68342	1.80765	-0.569958	0.2261
FURIN	HGC_27con	HGC_27004	OK	5.98727	4.03365	-0.569814	0.0906
ENKD1	HGC_27con	HGC_27004	OK	3.84053	2.58756	-0.569716	0.2665
TNFRSF13C	HGC_27con	HGC_27004	OK	3.03719	2.04658	-0.569522	0.3935
TMC4	HGC_27con	HGC_27004	OK	1.18135	0.7965	-0.568695	0.371
CASC21	HGC_27con	HGC_27004	OK	3.04696	2.05437	-0.568673	0.5742
LOC728485	HGC_27con	HGC_27004	NOTEST	0.271	0.18273	-0.568603	1
RAB11B-AS1	HGC_27con	HGC_27004	OK	7.8091	5.26595	-0.568462	0.5895
SASH1	HGC_27con	HGC_27004	OK	3.54875	2.39312	-0.568415	0.0812
PRSS27	HGC_27con	HGC_27004	OK	3.43982	2.31987	-0.56829	0.3151
PPIL6	HGC_27con	HGC_27004	OK	0.459	0.30967	-0.567792	0.5782
LOC100506834	HGC_27con	HGC_27004	NOTEST	0.13611	0.09184	-0.567563	1
PARVB	HGC_27con	HGC_27004	NOTEST	0.24333	0.16424	-0.567114	1
CCNE1	HGC_27con	HGC_27004	OK	4.99772	3.37344	-0.56705	0.196
PBX4	HGC_27con	HGC_27004	OK	2.04516	1.38087	-0.566642	0.3454
PCDHA5	HGC_27con	HGC_27004	OK	2.113	1.42709	-0.566211	0.4317
OLFM4	HGC_27con	HGC_27004	NOTEST	0.0331	0.02236	-0.565921	1
LINC01176	HGC_27con	HGC_27004	OK	1.75405	1.18499	-0.565813	0.4552
ALPK2	HGC_27con	HGC_27004	NOTEST	0.09496	0.06418	-0.565134	1
POP5	HGC_27con	HGC_27004	OK	19.7793	13.3691	-0.565092	0.1395
MNX1-AS1	HGC_27con	HGC_27004	OK	10.4941	7.09355	-0.564999	0.2365
SEPT5	HGC_27con	HGC_27004	OK	11.8846	8.03397	-0.564903	0.2641
STXBP5-AS1	HGC_27con	HGC_27004	NOTEST	0.03039	0.02054	-0.564634	1
LOC101930071	HGC_27con	HGC_27004	OK	3.25387	2.20051	-0.564318	0.6774
SRP14-AS1	HGC_27con	HGC_27004	OK	3.86	2.61066	-0.564187	0.4426
LOC102724511	HGC_27con	HGC_27004	OK	0.50815	0.34368	-0.564186	0.7394

LINC01299	HGC_27con	HGC_27004	NOTEST	0.05007	0.03387	-0.563976	1
FLYWCH1	HGC_27con	HGC_27004	OK	19.4068	13.1287	-0.563832	0.0579
LRRC4B	HGC_27con	HGC_27004	OK	6.96409	4.71131	-0.563807	0.1254
MOV10	HGC_27con	HGC_27004	OK	13.8792	9.39315	-0.563247	0.0476
PSMB8-AS1	HGC_27con	HGC_27004	OK	1.01455	0.68665	-0.563194	0.8277
CDC42EP3	HGC_27con	HGC_27004	OK	7.1309	4.82744	-0.562828	0.063
CYSRT1	HGC_27con	HGC_27004	OK	3.49642	2.36701	-0.562816	0.3426
DNASE2B	HGC_27con	HGC_27004	NOTEST	0.11853	0.08025	-0.56261	1
FAM43A	HGC_27con	HGC_27004	OK	9.0284	6.11319	-0.562545	0.1055
HDAC9	HGC_27con	HGC_27004	OK	21.872	14.8118	-0.562333	0.0409
ZNF792	HGC_27con	HGC_27004	OK	0.49356	0.33425	-0.562292	0.3865
PORCN	HGC_27con	HGC_27004	OK	3.45864	2.34235	-0.562248	0.3039
LAMA5	HGC_27con	HGC_27004	OK	40.2126	27.2428	-0.561772	0.0274
MXRA8	HGC_27con	HGC_27004	OK	28.2406	19.1322	-0.561769	0.06
ANKRD6	HGC_27con	HGC_27004	NOTEST	0.05247	0.03556	-0.561448	1
FZD1	HGC_27con	HGC_27004	OK	18.4551	12.506	-0.561392	0.0531
LOC400684	HGC_27con	HGC_27004	OK	2.2817	1.54643	-0.561166	0.4435
PYCARD-AS1	HGC_27con	HGC_27004	OK	0.97506	0.66105	-0.560734	0.5555
CEACAM22P	HGC_27con	HGC_27004	NOTEST	0.25245	0.17123	-0.560038	1
CAPRIN2	HGC_27con	HGC_27004	OK	5.83469	3.95826	-0.559788	0.0686
WNT9A	HGC_27con	HGC_27004	OK	2.40643	1.63282	-0.559535	0.3835
FBXL6	HGC_27con	HGC_27004	OK	13.2653	9.00289	-0.559197	0.1318
WNT5A	HGC_27con	HGC_27004	OK	6.349	4.3103	-0.558741	0.0636
SCARNA17,SNHG22	HGC_27con	HGC_27004	OK	2.98837	2.02955	-0.558201	0.6393
BRICD5	HGC_27con	HGC_27004	OK	6.81364	4.62925	-0.557648	0.6351
LINC01094	HGC_27con	HGC_27004	OK	1.04154	0.70773	-0.557438	0.3054
LOC440910	HGC_27con	HGC_27004	OK	9.70116	6.59303	-0.557217	0.1417
ABHD8	HGC_27con	HGC_27004	OK	3.44057	2.33834	-0.557162	0.3064
SPRNP1	HGC_27con	HGC_27004	NOTEST	0.07979	0.05423	-0.557114	1
TRG-AS1	HGC_27con	HGC_27004	NOTEST	0.0332	0.02257	-0.556987	1
PRR5	HGC_27con	HGC_27004	OK	12.8594	8.7428	-0.55666	0.1391
ETS2	HGC_27con	HGC_27004	OK	24.2121	16.4638	-0.55643	0.0406
EHD2	HGC_27con	HGC_27004	OK	17.63	11.9887	-0.556355	0.0621
ADAP2	HGC_27con	HGC_27004	NOTEST	0.11221	0.07631	-0.556281	1
NAA60	HGC_27con	HGC_27004	OK	16.611	11.2984	-0.556019	0.0691
PTRF	HGC_27con	HGC_27004	OK	32.7357	22.2767	-0.555329	0.0405
KANK3	HGC_27con	HGC_27004	OK	2.39745	1.63188	-0.554968	0.3082
RASGEF1A	HGC_27con	HGC_27004	NOTEST	0.07091	0.04827	-0.554828	1
FMO4	HGC_27con	HGC_27004	OK	0.42659	0.2904	-0.554788	0.4784
MIR1282	HGC_27con	HGC_27004	OK	253.234	172.4	-0.554712	0.8288
N4BP2L1	HGC_27con	HGC_27004	NOTEST	0.06701	0.04565	-0.553776	1
LRRC29	HGC_27con	HGC_27004	OK	2.23634	1.52384	-0.553432	0.386
KALRN	HGC_27con	HGC_27004	OK	2.14712	1.46322	-0.553255	0.1493
AVPR1A	HGC_27con	HGC_27004	NOTEST	0.01395	0.00951	-0.553099	1
KCNIP2-AS1	HGC_27con	HGC_27004	OK	1.13384	0.77303	-0.552615	0.5707
IL1RAPL1	HGC_27con	HGC_27004	NOTEST	0.03301	0.02251	-0.552443	1
C19orf81	HGC_27con	HGC_27004	OK	5.74098	3.91631	-0.551803	0.3771
ST3GAL4-AS1	HGC_27con	HGC_27004	OK	7.27383	4.96261	-0.551617	0.52
SMAD5-AS1	HGC_27con	HGC_27004	OK	0.36516	0.24915	-0.55153	0.7797
LINC00094	HGC_27con	HGC_27004	OK	3.7463	2.55629	-0.551415	0.3499
UBXN11	HGC_27con	HGC_27004	OK	6.38866	4.3601	-0.551151	0.1865
TBX1	HGC_27con	HGC_27004	OK	1.02353	0.69861	-0.551007	0.4506
PCDHA4	HGC_27con	HGC_27004	NOTEST	0.23031	0.15721	-0.550955	1
WDTC1	HGC_27con	HGC_27004	OK	4.5911	3.13384	-0.550908	0.1022

PCED1A	HGC_27con	HGC_27004	OK	25.6466	17.5085	-0.550714	0.352
GIPC3	HGC_27con	HGC_27004	NOTEST	0.05932	0.0405	-0.550696	1
SYTL3	HGC_27con	HGC_27004	NOTEST	0.13854	0.09459	-0.550451	1
KCNQ2	HGC_27con	HGC_27004	NOTEST	0.30257	0.20662	-0.55028	1
LOC102723885	HGC_27con	HGC_27004	OK	0.85937	0.58689	-0.550201	0.7585
BISPR,MVB12A	HGC_27con	HGC_27004	OK	3.24873	2.2188	-0.550094	0.6229
DHX58	HGC_27con	HGC_27004	OK	0.40952	0.2797	-0.550082	0.4721
C100130872,SPO	HGC_27con	HGC_27004	OK	0.3507	0.23956	-0.549875	0.4936
AMT	HGC_27con	HGC_27004	OK	3.11783	2.12976	-0.549856	0.3872
ZMYM2	HGC_27con	HGC_27004	OK	12.5346	8.56248	-0.54982	0.0418
HSD17B6	HGC_27con	HGC_27004	OK	2.36524	1.61571	-0.549817	0.3138
BNIP3	HGC_27con	HGC_27004	NOTEST	0.07165	0.04895	-0.549814	1
LINC00701	HGC_27con	HGC_27004	NOTEST	0.01769	0.01209	-0.549583	1
CACNA2D4	HGC_27con	HGC_27004	OK	0.80838	0.55234	-0.54947	0.2922
PABPC3	HGC_27con	HGC_27004	NOTEST	0.04236	0.02895	-0.549456	1
SOX15	HGC_27con	HGC_27004	OK	0.95209	0.65076	-0.548962	0.4644
KIAA2022	HGC_27con	HGC_27004	NOTEST	0.01568	0.01072	-0.548807	1
LRRN1	HGC_27con	HGC_27004	OK	9.73434	6.65495	-0.548655	0.0844
ACAA1	HGC_27con	HGC_27004	OK	9.96295	6.81295	-0.548294	0.1216
PRORS1P	HGC_27con	HGC_27004	OK	1.30773	0.89442	-0.548033	0.3772
FAM229B	HGC_27con	HGC_27004	OK	1.69653	1.16062	-0.547691	0.5416
RASA3	HGC_27con	HGC_27004	OK	2.94039	2.01171	-0.547589	0.1567
PEX7	HGC_27con	HGC_27004	OK	3.66895	2.51037	-0.547463	0.2765
LOC102723354	HGC_27con	HGC_27004	OK	12.1329	8.3045	-0.546958	0.2376
LINC01011	HGC_27con	HGC_27004	OK	1.30559	0.89378	-0.546714	0.3836
LINC01057	HGC_27con	HGC_27004	OK	1.99913	1.36864	-0.546627	0.3815
BBS12	HGC_27con	HGC_27004	OK	1.39829	0.95757	-0.546218	0.3022
LOC101059948	HGC_27con	HGC_27004	OK	0.56421	0.3866	-0.545381	0.6466
LTB4R2	HGC_27con	HGC_27004	OK	7.75119	5.31158	-0.545278	0.5535
ABCA7	HGC_27con	HGC_27004	OK	6.273	4.29994	-0.544837	0.0785
LOC100996437	HGC_27con	HGC_27004	OK	0.58735	0.40263	-0.544751	0.5741
MST1	HGC_27con	HGC_27004	OK	1.9451	1.3337	-0.544414	0.3308
ZNF425	HGC_27con	HGC_27004	OK	3.32813	2.28203	-0.544397	0.1721
CYB5R3	HGC_27con	HGC_27004	OK	41.7531	28.6361	-0.544049	0.0469
CACNA2D2	HGC_27con	HGC_27004	NOTEST	0.19965	0.13696	-0.543678	1
SNORA75	HGC_27con	HGC_27004	OK	12.977	8.90562	-0.543173	0.7953
GEMIN8P4	HGC_27con	HGC_27004	OK	2.51129	1.72454	-0.54222	0.32
LOC283335	HGC_27con	HGC_27004	OK	0.58913	0.40457	-0.542205	0.768
C1GALT1C1L	HGC_27con	HGC_27004	OK	0.77453	0.53193	-0.542091	0.7979
COX7A1	HGC_27con	HGC_27004	NOTEST	0.25394	0.17441	-0.542018	1
NDUFAF3	HGC_27con	HGC_27004	OK	44.526	30.581	-0.542012	0.4521
PLA2G4B	HGC_27con	HGC_27004	OK	3.17983	2.18426	-0.541806	0.3145
EVI2A	HGC_27con	HGC_27004	NOTEST	0.06842	0.047	-0.541766	1
LOC101928809	HGC_27con	HGC_27004	NOTEST	0.07944	0.05458	-0.541643	1
ZNF565	HGC_27con	HGC_27004	OK	1.96096	1.34758	-0.541189	0.5963
SLC2A4	HGC_27con	HGC_27004	OK	2.45849	1.68993	-0.54081	0.2607
BCL6	HGC_27con	HGC_27004	OK	6.03638	4.15044	-0.54042	0.1177
SMO	HGC_27con	HGC_27004	OK	9.81616	6.74946	-0.540387	0.0842
ZBTB7C	HGC_27con	HGC_27004	OK	0.78752	0.54152	-0.540308	0.3588
PCDHB13	HGC_27con	HGC_27004	OK	0.32863	0.22602	-0.540028	0.48
ZNF205	HGC_27con	HGC_27004	OK	10.0643	6.92432	-0.539499	0.1364
LOC653160	HGC_27con	HGC_27004	OK	2.53373	1.74347	-0.539302	0.3807
IFNG-AS1	HGC_27con	HGC_27004	NOTEST	0.08505	0.05853	-0.539224	1
HLA-L	HGC_27con	HGC_27004	OK	1.11785	0.76926	-0.539195	0.7642

ZNF177	HGC_27con	HGC_27004	OK	1.54614	1.0642	-0.538897	0.567
C1orf116	HGC_27con	HGC_27004	NOTEST	0.03978	0.02739	-0.53833	1
SQSTM1	HGC_27con	HGC_27004	OK	48.4687	33.3752	-0.538278	0.0979
CEBPA-AS1	HGC_27con	HGC_27004	OK	2.05447	1.41487	-0.538099	0.334
GALNT6	HGC_27con	HGC_27004	NOTEST	0.04625	0.03185	-0.538011	1
GABPB2	HGC_27con	HGC_27004	OK	4.11138	2.8319	-0.537854	0.1979
DLGAP4-AS1	HGC_27con	HGC_27004	NOTEST	0.3139	0.21625	-0.537626	1
DGKA	HGC_27con	HGC_27004	OK	9.13009	6.29124	-0.537284	0.0911
ANXA1	HGC_27con	HGC_27004	OK	60.9149	41.9829	-0.536995	0.0566
RHBDL1	HGC_27con	HGC_27004	OK	4.20907	2.90129	-0.536806	0.3471
GCHFR	HGC_27con	HGC_27004	OK	4.17162	2.87562	-0.536739	0.4149
DOK3	HGC_27con	HGC_27004	OK	2.72881	1.88108	-0.536712	0.3143
LOC101928489	HGC_27con	HGC_27004	OK	0.74489	0.51349	-0.536701	0.5975
ZNF660	HGC_27con	HGC_27004	NOTEST	0.10248	0.07066	-0.536376	1
ZNF197-AS1	HGC_27con	HGC_27004	NOTEST	0.1917	0.13222	-0.53588	1
BAZ2B	HGC_27con	HGC_27004	NOTEST	0.14088	0.09719	-0.535641	1
VIPR1	HGC_27con	HGC_27004	OK	0.94414	0.65135	-0.53557	0.4101
SMPD3	HGC_27con	HGC_27004	OK	0.4162	0.28719	-0.53527	0.4288
GRIN2C	HGC_27con	HGC_27004	OK	0.33744	0.23285	-0.5352	0.4843
SYCE1L	HGC_27con	HGC_27004	OK	1.06202	0.73293	-0.535065	0.7589
KIZ	HGC_27con	HGC_27004	OK	6.84745	4.7266	-0.534765	0.1183
LINC00824	HGC_27con	HGC_27004	OK	26.547	18.3249	-0.534742	0.0516
PCDHGC3	HGC_27con	HGC_27004	OK	16.9871	11.7264	-0.534672	0.1708
AKT1S1	HGC_27con	HGC_27004	OK	38.0985	26.3027	-0.534526	0.1047
LINC00431	HGC_27con	HGC_27004	OK	1.42128	0.98227	-0.532998	0.5344
LOC730668	HGC_27con	HGC_27004	NOTEST	0.17116	0.1183	-0.532916	1
THRA	HGC_27con	HGC_27004	OK	24.8094	17.1478	-0.532869	0.0813
CCDC74B	HGC_27con	HGC_27004	OK	6.08646	4.20834	-0.532355	0.2449
RLTPR	HGC_27con	HGC_27004	NOTEST	0.29065	0.20107	-0.531596	1
DGKB	HGC_27con	HGC_27004	NOTEST	0.02755	0.01906	-0.531128	1
NICN1	HGC_27con	HGC_27004	OK	4.69376	3.24881	-0.530832	0.2001
ITPR1	HGC_27con	HGC_27004	OK	0.9028	0.62491	-0.530755	0.1826
NME9	HGC_27con	HGC_27004	NOTEST	0.15684	0.10857	-0.530681	1
CFAP47	HGC_27con	HGC_27004	NOTEST	0.11889	0.08235	-0.529735	1
TFCP2L1	HGC_27con	HGC_27004	NOTEST	0.02734	0.01894	-0.529549	1
NKAPP1	HGC_27con	HGC_27004	OK	0.59089	0.40935	-0.529539	0.4618
FMN2	HGC_27con	HGC_27004	OK	4.46141	3.09119	-0.52934	0.0949
GPCPD1	HGC_27con	HGC_27004	OK	3.49764	2.42367	-0.529191	0.1382
MLH3	HGC_27con	HGC_27004	NOTEST	0.04355	0.03018	-0.529042	1
CAT	HGC_27con	HGC_27004	OK	21.277	14.749	-0.528678	0.0762
CNTD1	HGC_27con	HGC_27004	NOTEST	0.29926	0.20745	-0.528603	1
SIX5	HGC_27con	HGC_27004	OK	10.9401	7.58416	-0.52857	0.0988
FUT2	HGC_27con	HGC_27004	NOTEST	0.21604	0.14978	-0.528404	1
ZNF513	HGC_27con	HGC_27004	OK	2.71948	1.88589	-0.528087	0.6696
IL11RA	HGC_27con	HGC_27004	OK	58.5907	40.632	-0.528056	0.0552
NEXN-AS1	HGC_27con	HGC_27004	NOTEST	0.28706	0.19908	-0.528014	1
SH3YL1	HGC_27con	HGC_27004	OK	3.77832	2.62043	-0.527942	0.2366
LTK	HGC_27con	HGC_27004	OK	9.23048	6.40237	-0.527801	0.1035
LDLRAP1	HGC_27con	HGC_27004	OK	6.05531	4.20104	-0.527453	0.1499
COLEC12	HGC_27con	HGC_27004	NOTEST	0.09196	0.06383	-0.526796	1
SFN	HGC_27con	HGC_27004	OK	0.37626	0.26116	-0.526758	0.5834
FCN2	HGC_27con	HGC_27004	OK	0.33853	0.23499	-0.526655	0.6291
ZNF497	HGC_27con	HGC_27004	OK	2.79869	1.94281	-0.526606	0.285
STX1B	HGC_27con	HGC_27004	NOTEST	0.20626	0.14319	-0.526581	1

TSGA10	HGC_27con	HGC_27004	NOTEST	0.02032	0.01411	-0.526572	1
SLC26A6	HGC_27con	HGC_27004	OK	4.82236	3.34816	-0.526373	0.1928
WASH2P	HGC_27con	HGC_27004	OK	1.40671	0.97682	-0.526161	0.3924
PPIEL	HGC_27con	HGC_27004	OK	0.42775	0.29706	-0.525988	0.5422
OPRM1	HGC_27con	HGC_27004	NOTEST	0.00729	0.00507	-0.52555	1
ECM2	HGC_27con	HGC_27004	OK	1.22751	0.85276	-0.525537	0.8617
LOC400541	HGC_27con	HGC_27004	OK	0.42056	0.29217	-0.525481	0.794
ANKRD62	HGC_27con	HGC_27004	NOTEST	0.01594	0.01108	-0.525139	1
SH3BGRL	HGC_27con	HGC_27004	OK	29.0653	20.1989	-0.525017	0.133
LAMA5-AS1	HGC_27con	HGC_27004	OK	0.98858	0.6871	-0.524835	0.8397
CDK20	HGC_27con	HGC_27004	OK	1.78093	1.23782	-0.524832	0.3467
RP1L1	HGC_27con	HGC_27004	NOTEST	0.01232	0.00856	-0.524767	1
KTN1-AS1	HGC_27con	HGC_27004	OK	2.482	1.7262	-0.5239	0.3642
DGAT2	HGC_27con	HGC_27004	OK	7.89359	5.48994	-0.523893	0.1385
SLC9A3R1	HGC_27con	HGC_27004	OK	17.7983	12.3794	-0.523793	0.0889
CDC37L1-AS1	HGC_27con	HGC_27004	OK	5.11363	3.55791	-0.523317	0.6462
ZNF160	HGC_27con	HGC_27004	OK	1.08601	0.75584	-0.522894	0.2972
ATG2A	HGC_27con	HGC_27004	OK	4.11251	2.86261	-0.522687	0.1118
LINC00174	HGC_27con	HGC_27004	OK	8.09053	5.6319	-0.522613	0.1287
NAPRT	HGC_27con	HGC_27004	OK	3.27703	2.28151	-0.522402	0.3574
BCAM	HGC_27con	HGC_27004	OK	9.12334	6.35658	-0.521312	0.131
GOLGA6L3	HGC_27con	HGC_27004	OK	0.63009	0.43915	-0.520838	0.4298
ZNF503-AS1	HGC_27con	HGC_27004	NOTEST	0.06011	0.04189	-0.520814	1
EPO	HGC_27con	HGC_27004	NOTEST	0.12982	0.09048	-0.520769	1
VASN	HGC_27con	HGC_27004	OK	26.3788	18.3862	-0.520759	0.1816
AES	HGC_27con	HGC_27004	OK	221.766	154.602	-0.520479	0.0431
SMG1P2	HGC_27con	HGC_27004	NOTEST	0.25365	0.17683	-0.52045	1
THAP7-AS1	HGC_27con	HGC_27004	OK	4.61771	3.22066	-0.519821	0.5622
RABL2A	HGC_27con	HGC_27004	OK	1.40134	0.97741	-0.519782	0.4164
LY6G6D	HGC_27con	HGC_27004	OK	47.8086	33.348	-0.519669	0.2085
GHDC	HGC_27con	HGC_27004	OK	10.4368	7.28057	-0.51955	0.1182
CPZ	HGC_27con	HGC_27004	OK	2.29886	1.60372	-0.519502	0.3348
KLF5	HGC_27con	HGC_27004	OK	17.416	12.1507	-0.519378	0.0745
EDNRA	HGC_27con	HGC_27004	OK	16.8108	11.7337	-0.518733	0.0771
SSH3	HGC_27con	HGC_27004	NOTEST	0.25113	0.17535	-0.51821	1
SIGIRR	HGC_27con	HGC_27004	OK	28.0669	19.5977	-0.518183	0.0903
PVRL2	HGC_27con	HGC_27004	OK	10.4854	7.32284	-0.517903	0.1077
CHRM1	HGC_27con	HGC_27004	OK	0.53088	0.37083	-0.517657	0.4742
FCHO1	HGC_27con	HGC_27004	OK	0.74012	0.51701	-0.517584	0.4155
COQ4	HGC_27con	HGC_27004	OK	34.3049	23.9709	-0.517127	0.0928
LOC101928402	HGC_27con	HGC_27004	OK	1.13549	0.79347	-0.517068	0.8359
CD27-AS1	HGC_27con	HGC_27004	OK	4.25596	2.97433	-0.516922	0.2149
RASL12	HGC_27con	HGC_27004	OK	0.9053	0.63285	-0.516525	0.4253
CACNA1G	HGC_27con	HGC_27004	OK	12.4952	8.73598	-0.516331	0.0592
EML3	HGC_27con	HGC_27004	OK	22.9539	16.049	-0.51625	0.0719
TNFRSF9	HGC_27con	HGC_27004	NOTEST	0.05933	0.04148	-0.516211	1
PXN	HGC_27con	HGC_27004	OK	13.3223	9.31949	-0.515521	0.09
ADCY6	HGC_27con	HGC_27004	OK	11.659	8.15607	-0.515493	0.0665
ZNF837	HGC_27con	HGC_27004	OK	3.47863	2.43409	-0.515139	0.325
MUC6	HGC_27con	HGC_27004	NOTEST	0.04626	0.03237	-0.515	1
HAPLN3	HGC_27con	HGC_27004	OK	2.87522	2.01221	-0.514896	0.348
SLC25A34	HGC_27con	HGC_27004	OK	0.44179	0.30919	-0.514876	0.4909
FTO-IT1	HGC_27con	HGC_27004	OK	0.76591	0.5361	-0.514665	0.7068
SH3BP5-AS1	HGC_27con	HGC_27004	OK	1.20195	0.84173	-0.513957	0.4649

TNFSF9	HGC_27con	HGC_27004	OK	3.22948	2.26222	-0.513562	0.3827
LEMD1-AS1	HGC_27con	HGC_27004	NOTEST	0.09475	0.06638	-0.513333	1
GNE	HGC_27con	HGC_27004	NOTEST	0.17519	0.12274	-0.513316	1
COL7A1	HGC_27con	HGC_27004	OK	0.87894	0.61581	-0.513297	0.2289
FKBP7	HGC_27con	HGC_27004	OK	8.1806	5.7326	-0.513018	0.5951
ARL6IP1	HGC_27con	HGC_27004	OK	73.4872	51.5118	-0.51259	0.0599
PLCD4	HGC_27con	HGC_27004	OK	3.4339	2.40721	-0.512485	0.1868
SPA17	HGC_27con	HGC_27004	OK	2.1429	1.50223	-0.512455	0.8031
ST3GAL5	HGC_27con	HGC_27004	OK	6.91989	4.85169	-0.512262	0.1435
TMEM191A	HGC_27con	HGC_27004	NOTEST	0.25831	0.18112	-0.512147	1
NOD2	HGC_27con	HGC_27004	NOTEST	0.06111	0.04286	-0.511876	1
BOC	HGC_27con	HGC_27004	OK	6.77161	4.74956	-0.511704	0.1682
B3GNT9	HGC_27con	HGC_27004	OK	19.5591	13.719	-0.511664	0.1354
PTGES3L-AARSD1	HGC_27con	HGC_27004	OK	0.95983	0.67329	-0.511556	0.7508
NR1I3	HGC_27con	HGC_27004	NOTEST	0.11728	0.08229	-0.511235	1
PCDHB2	HGC_27con	HGC_27004	OK	7.24331	5.08231	-0.511165	0.1574
EVX1	HGC_27con	HGC_27004	OK	5.58757	3.92088	-0.511043	0.175
SLC29A2	HGC_27con	HGC_27004	OK	31.482	22.0928	-0.510952	0.0682
EME2	HGC_27con	HGC_27004	OK	3.15262	2.21243	-0.510921	0.4163
TTC9	HGC_27con	HGC_27004	OK	0.63415	0.44507	-0.510804	0.3872
PDK2	HGC_27con	HGC_27004	OK	12.78	8.97118	-0.510516	0.2564
C11orf24	HGC_27con	HGC_27004	OK	19.3851	13.6091	-0.51037	0.1257
ZNF540	HGC_27con	HGC_27004	OK	0.41845	0.29379	-0.510274	0.5967
MARCH2	HGC_27con	HGC_27004	OK	14.755	10.363	-0.509756	0.1498
ATP6AP1L	HGC_27con	HGC_27004	OK	0.428	0.30065	-0.509495	0.4863
EP400NL	HGC_27con	HGC_27004	OK	1.41066	0.99108	-0.509308	0.4335
TMEM100	HGC_27con	HGC_27004	OK	0.3311	0.23266	-0.509052	0.5543
WWC2-AS2	HGC_27con	HGC_27004	OK	0.69997	0.49186	-0.509037	0.4789
ADCY10P1	HGC_27con	HGC_27004	OK	0.51982	0.3653	-0.50894	0.7544
ZBTB32	HGC_27con	HGC_27004	NOTEST	0.14455	0.10159	-0.508913	1
EFCAB7	HGC_27con	HGC_27004	OK	4.02042	2.8257	-0.508736	0.227
LOC101927181	HGC_27con	HGC_27004	OK	1.41441	0.99411	-0.508714	0.3959
LOC100507431	HGC_27con	HGC_27004	NOTEST	0.12762	0.08972	-0.508278	1
QPCTL	HGC_27con	HGC_27004	OK	7.94659	5.5879	-0.508031	0.1612
BARX1	HGC_27con	HGC_27004	OK	0.32373	0.22764	-0.508002	0.6312
LOC727896	HGC_27con	HGC_27004	NOTEST	0.05315	0.03738	-0.507895	1
LOC100507283	HGC_27con	HGC_27004	OK	0.559	0.39314	-0.507821	0.4445
TMEM50A	HGC_27con	HGC_27004	OK	35.8454	25.2111	-0.507731	0.0685
CARD14	HGC_27con	HGC_27004	OK	0.34491	0.2426	-0.50762	0.7267
SLC9A3R2	HGC_27con	HGC_27004	OK	11.8851	8.36015	-0.507558	0.1226
TREX2	HGC_27con	HGC_27004	OK	2.00262	1.4087	-0.507528	0.4774
LINC00176	HGC_27con	HGC_27004	OK	1.125	0.79137	-0.507511	0.3121
CEP162	HGC_27con	HGC_27004	OK	0.86359	0.60764	-0.507116	0.2809
S100A3	HGC_27con	HGC_27004	OK	0.55599	0.3913	-0.50677	0.8226
SLC37A1	HGC_27con	HGC_27004	OK	5.88783	4.14407	-0.50669	0.1622
MNS1	HGC_27con	HGC_27004	OK	2.58886	1.82219	-0.50664	0.2495
HIST1H2BG	HGC_27con	HGC_27004	OK	0.63514	0.44711	-0.506446	0.7404
LOC100507487	HGC_27con	HGC_27004	OK	0.46531	0.32758	-0.506379	0.4878
LINC00674	HGC_27con	HGC_27004	OK	6.18142	4.35226	-0.506175	0.0756
ARPC4-TTL3	HGC_27con	HGC_27004	OK	3.53513	2.48915	-0.506109	0.5784
HOXC13-AS	HGC_27con	HGC_27004	OK	1.94658	1.37077	-0.505957	0.5917
OSCAR	HGC_27con	HGC_27004	OK	0.36904	0.25989	-0.50589	0.5727
LRRRC19	HGC_27con	HGC_27004	NOTEST	0.20256	0.14268	-0.505535	1
POPDC2	HGC_27con	HGC_27004	NOTEST	0.09082	0.06399	-0.505177	1

RNF32	HGC_27con	HGC_27004	OK	1.30276	0.91813	-0.504799	0.4035
P2RX5-TAX1BP3	HGC_27con	HGC_27004	OK	0.46803	0.32993	-0.504434	0.7384
ZIC4	HGC_27con	HGC_27004	NOTEST	0.06562	0.04627	-0.504079	1
PDZD7	HGC_27con	HGC_27004	OK	3.09991	2.18586	-0.504027	0.6723
AVPI1	HGC_27con	HGC_27004	OK	18.5242	13.0626	-0.503974	0.1291
HLA-H	HGC_27con	HGC_27004	OK	12.2444	8.64119	-0.502818	0.1534
INSR	HGC_27con	HGC_27004	OK	2.29483	1.62015	-0.502259	0.1295
TMEM121	HGC_27con	HGC_27004	OK	4.65972	3.29082	-0.501796	0.4054
CENPBD1P1	HGC_27con	HGC_27004	OK	8.29872	5.86154	-0.501608	0.134
NCKIPSD	HGC_27con	HGC_27004	OK	4.42294	3.12401	-0.501603	0.1951
REEP6	HGC_27con	HGC_27004	OK	38.1074	26.9192	-0.501435	0.1016
ZNFX1	HGC_27con	HGC_27004	OK	4.07348	2.87794	-0.501227	0.5512
EVI2B	HGC_27con	HGC_27004	NOTEST	0.05222	0.0369	-0.50095	1
EHD3	HGC_27con	HGC_27004	OK	2.07545	1.46662	-0.500935	0.2487
MGARP	HGC_27con	HGC_27004	NOTEST	0.16767	0.1185	-0.50067	1
CCDC17	HGC_27con	HGC_27004	NOTEST	0.30237	0.21377	-0.500271	1
DNAJC22	HGC_27con	HGC_27004	OK	9.78493	6.9186	-0.500081	0.0816
GNA11	HGC_27con	HGC_27004	OK	26.4036	18.6698	-0.500029	0.0765
SEMA3C	HGC_27con	HGC_27004	OK	5.41232	3.82742	-0.499875	0.1307
TMEM56-RWDD3	HGC_27con	HGC_27004	OK	1.51033	1.06815	-0.499747	0.7661
PSD2	HGC_27con	HGC_27004	NOTEST	0.02909	0.02057	-0.499734	1
CTSK	HGC_27con	HGC_27004	OK	6.75724	4.78005	-0.499408	0.1845
WDR88	HGC_27con	HGC_27004	OK	0.66009	0.46705	-0.499085	0.512
LGI2	HGC_27con	HGC_27004	NOTEST	0.13719	0.09708	-0.498921	1
LOC284648	HGC_27con	HGC_27004	OK	0.77408	0.54787	-0.498658	0.4962
RIN1	HGC_27con	HGC_27004	OK	7.96082	5.63463	-0.498596	0.1761
MAP7D1	HGC_27con	HGC_27004	OK	33.4315	23.6823	-0.4974	0.1635
LINC00894	HGC_27con	HGC_27004	OK	1.1457	0.81161	-0.497378	0.3777
ZNF578	HGC_27con	HGC_27004	NOTEST	0.04786	0.0339	-0.497266	1
MYLIP	HGC_27con	HGC_27004	OK	17.0767	12.0982	-0.497235	0.0845
RNF180	HGC_27con	HGC_27004	NOTEST	0.06629	0.04696	-0.497148	1
CXCR2	HGC_27con	HGC_27004	OK	0.40504	0.287	-0.497016	0.4982
ZNHIT2	HGC_27con	HGC_27004	OK	18.3812	13.0279	-0.496627	0.183
BBOX1-AS1	HGC_27con	HGC_27004	OK	6.15422	4.36207	-0.496565	0.3846
FAM214A	HGC_27con	HGC_27004	OK	4.30078	3.04858	-0.496458	0.1456
FKBP1AP1	HGC_27con	HGC_27004	OK	1.03943	0.73685	-0.496358	0.4867
LINC00266-1	HGC_27con	HGC_27004	OK	1.04759	0.74272	-0.496177	0.5827
TNFSF13	HGC_27con	HGC_27004	OK	7.87263	5.58348	-0.495682	0.1935
OAF	HGC_27con	HGC_27004	OK	46.6081	33.0722	-0.494963	0.0868
NPIP81	HGC_27con	HGC_27004	OK	0.39079	0.27734	-0.494747	0.5136
LOC101929715	HGC_27con	HGC_27004	OK	0.53982	0.38319	-0.494397	0.6248
SRGAP2-AS1	HGC_27con	HGC_27004	NOTEST	0.26917	0.19107	-0.494396	1
OSTF1	HGC_27con	HGC_27004	OK	10.0498	7.13569	-0.494039	0.1877
SLC6A9	HGC_27con	HGC_27004	OK	42.2188	29.983	-0.493738	0.072
SDHD	HGC_27con	HGC_27004	OK	94.0086	66.7645	-0.49371	0.071
LOC101928372	HGC_27con	HGC_27004	OK	1.55132	1.10175	-0.493697	0.4078
CFAP58	HGC_27con	HGC_27004	NOTEST	0.06126	0.04351	-0.493642	1
CD14	HGC_27con	HGC_27004	NOTEST	0.1199	0.08516	-0.493569	1
LZTS1	HGC_27con	HGC_27004	OK	0.94801	0.67342	-0.493404	0.3414
GPR68	HGC_27con	HGC_27004	OK	0.4894	0.34767	-0.493286	0.4614
ZNF362	HGC_27con	HGC_27004	OK	8.47239	6.02268	-0.492363	0.1429
PARVA	HGC_27con	HGC_27004	OK	3.93669	2.79873	-0.492212	0.1124
LRP2BP	HGC_27con	HGC_27004	OK	1.06553	0.75762	-0.49203	0.5538
EPHA2	HGC_27con	HGC_27004	OK	4.65579	3.31083	-0.491834	0.1778

MAB21L2	HGC_27con	HGC_27004	NOTEST	0.07979	0.05674	-0.491816	1
PTPRCAP	HGC_27con	HGC_27004	OK	2.46085	1.75003	-0.491779	0.4931
STARD4-AS1	HGC_27con	HGC_27004	OK	1.71516	1.21982	-0.491675	0.6556
DKFZP434A062	HGC_27con	HGC_27004	NOTEST	0.27315	0.19426	-0.49167	1
CAPN5	HGC_27con	HGC_27004	OK	0.6763	0.48106	-0.491444	0.4045
AIM1	HGC_27con	HGC_27004	NOTEST	0.02755	0.0196	-0.491443	1
TAOK3	HGC_27con	HGC_27004	OK	9.16477	6.51915	-0.491414	0.0974
BBS1	HGC_27con	HGC_27004	OK	11.2339	7.99138	-0.491339	0.1081
SBF2-AS1	HGC_27con	HGC_27004	NOTEST	0.1577	0.11218	-0.491273	1
TLR5	HGC_27con	HGC_27004	NOTEST	0.0838	0.05962	-0.491241	1
PSD	HGC_27con	HGC_27004	OK	2.3962	1.70475	-0.491186	0.5153
CD96	HGC_27con	HGC_27004	NOTEST	0.06542	0.04655	-0.490716	1
TECPR2	HGC_27con	HGC_27004	OK	5.37642	3.82791	-0.490088	0.1058
SLC25A25-AS1	HGC_27con	HGC_27004	OK	1.96445	1.39877	-0.489966	0.3058
ZYX	HGC_27con	HGC_27004	OK	26.5774	18.9251	-0.489901	0.0895
HOXC-AS3	HGC_27con	HGC_27004	OK	2.15074	1.53167	-0.48973	0.6301
ANGPTL4	HGC_27con	HGC_27004	OK	4.30914	3.06932	-0.489478	0.2874
PCMTD1	HGC_27con	HGC_27004	OK	7.29476	5.19735	-0.489085	0.1158
RPL23P8	HGC_27con	HGC_27004	NOTEST	0.29012	0.2067	-0.489077	1
CLEC7A	HGC_27con	HGC_27004	OK	0.43943	0.31314	-0.488836	0.52
TM4SF19-AS1	HGC_27con	HGC_27004	OK	0.56592	0.40345	-0.488219	0.7052
TACR2	HGC_27con	HGC_27004	NOTEST	0.07116	0.05074	-0.488042	1
OCEL1	HGC_27con	HGC_27004	OK	14.8971	10.6219	-0.487993	0.2015
ING4	HGC_27con	HGC_27004	OK	8.51118	6.0721	-0.487164	0.2079
SYT12	HGC_27con	HGC_27004	NOTEST	0.30392	0.21689	-0.486759	1
FBP2	HGC_27con	HGC_27004	OK	1.09125	0.77877	-0.486701	0.6624
SCARF2	HGC_27con	HGC_27004	OK	31.7156	22.6375	-0.486476	0.0922
KIRREL	HGC_27con	HGC_27004	OK	13.9455	9.95438	-0.4864	0.0673
PLEKHG4B	HGC_27con	HGC_27004	NOTEST	0.08562	0.06113	-0.486148	1
MAP2K3	HGC_27con	HGC_27004	OK	9.92453	7.08553	-0.486124	0.1479
HDAC7	HGC_27con	HGC_27004	OK	17.6013	12.5688	-0.485834	0.1414
GGT1	HGC_27con	HGC_27004	OK	2.47142	1.76548	-0.48528	0.3294
LOC101929140	HGC_27con	HGC_27004	NOTEST	0.25195	0.18001	-0.485069	1
PITRM1-AS1	HGC_27con	HGC_27004	OK	1.29055	0.9221	-0.484989	0.5842
SLC30A3	HGC_27con	HGC_27004	OK	1.38096	0.98672	-0.484969	0.4559
ADGRG2	HGC_27con	HGC_27004	OK	8.43525	6.02747	-0.484878	0.1107
DLGAP3	HGC_27con	HGC_27004	NOTEST	0.11189	0.07997	-0.484613	1
CA14	HGC_27con	HGC_27004	OK	17.1395	12.2526	-0.484242	0.1288
PLOD1	HGC_27con	HGC_27004	OK	34.3976	24.5918	-0.484131	0.0809
SSBP3	HGC_27con	HGC_27004	OK	18.5235	13.2431	-0.484114	0.0951
RAB15	HGC_27con	HGC_27004	OK	6.71913	4.80402	-0.484032	0.5761
PLEKHM1	HGC_27con	HGC_27004	OK	4.0673	2.90823	-0.48393	0.1548
LINC01521	HGC_27con	HGC_27004	OK	4.26115	3.04726	-0.48373	0.1782
NPHP3	HGC_27con	HGC_27004	OK	2.1579	1.54394	-0.483014	0.535
LCA5	HGC_27con	HGC_27004	OK	0.90853	0.65022	-0.48261	0.3392
ZDHHC24	HGC_27con	HGC_27004	OK	26.0201	18.6228	-0.482557	0.17
CELF2	HGC_27con	HGC_27004	NOTEST	0.04894	0.03503	-0.482491	1
ZC3H3	HGC_27con	HGC_27004	OK	11.0397	7.90227	-0.482359	0.1293
LINC01160	HGC_27con	HGC_27004	OK	0.51034	0.36534	-0.482244	0.5234
MIR1307	HGC_27con	HGC_27004	OK	59.4468	42.5601	-0.482099	0.7374
ERCC6-PGBD3	HGC_27con	HGC_27004	OK	0.54516	0.39032	-0.482013	0.5903
EFNB3	HGC_27con	HGC_27004	OK	7.8923	5.65073	-0.482009	0.1523
C1QTNF6	HGC_27con	HGC_27004	OK	7.99863	5.72784	-0.481761	0.1805
TRIM50	HGC_27con	HGC_27004	NOTEST	0.08245	0.05904	-0.481741	1

CAMK2N2	HGC_27con	HGC_27004	OK	1.97963	1.4178	-0.481576	0.648
ZNF75D	HGC_27con	HGC_27004	OK	0.53924	0.38622	-0.481526	0.4295
HEATR5A	HGC_27con	HGC_27004	OK	4.11516	2.94786	-0.481283	0.1298
INTS4P2	HGC_27con	HGC_27004	NOTEST	0.30072	0.21544	-0.481134	1
FAR2P2	HGC_27con	HGC_27004	OK	2.32475	1.66552	-0.481102	0.2593
CMTM1	HGC_27con	HGC_27004	OK	2.95418	2.11653	-0.481055	0.7136
C9orf173	HGC_27con	HGC_27004	OK	1.15208	0.82544	-0.481005	0.616
SH3TC1	HGC_27con	HGC_27004	NOTEST	0.12809	0.0918	-0.480593	1
ABHD16A	HGC_27con	HGC_27004	OK	20.4781	14.6772	-0.480505	0.1076
GABPB1-AS1	HGC_27con	HGC_27004	OK	3.78907	2.71581	-0.480463	0.3835
ANKRD19P	HGC_27con	HGC_27004	OK	0.59975	0.42989	-0.480417	0.5054
RAB20	HGC_27con	HGC_27004	OK	0.82463	0.59117	-0.480184	0.5064
C16orf70	HGC_27con	HGC_27004	OK	7.45744	5.34622	-0.48016	0.3523
C1R	HGC_27con	HGC_27004	OK	6.93669	4.97308	-0.480107	0.1904
CELF5	HGC_27con	HGC_27004	NOTEST	0.25807	0.18502	-0.480084	1
ADIPOR1	HGC_27con	HGC_27004	OK	34.9342	25.0522	-0.479701	0.0863
TMEM205	HGC_27con	HGC_27004	OK	82.3299	59.0448	-0.479606	0.0961
AKR1C1	HGC_27con	HGC_27004	OK	0.89125	0.63918	-0.479595	0.5059
TNNC2	HGC_27con	HGC_27004	OK	0.49075	0.35206	-0.479159	0.6523
CCR6	HGC_27con	HGC_27004	NOTEST	0.07406	0.05313	-0.479081	1
REC8	HGC_27con	HGC_27004	OK	0.66272	0.47554	-0.478845	0.629
PGPEP1L	HGC_27con	HGC_27004	NOTEST	0.07055	0.05063	-0.478538	1
PDE4C	HGC_27con	HGC_27004	NOTEST	0.1092	0.07839	-0.478358	1
KDM5B	HGC_27con	HGC_27004	OK	7.16812	5.14576	-0.47821	0.1056
RFNG	HGC_27con	HGC_27004	OK	21.2645	15.27	-0.477751	0.1392
LOC100288778	HGC_27con	HGC_27004	OK	2.21161	1.5883	-0.477618	0.3675
SOCS3	HGC_27con	HGC_27004	OK	1.68581	1.21071	-0.477585	0.3808
LOC643072	HGC_27con	HGC_27004	OK	1.94352	1.39592	-0.477455	0.6256
TIMP1	HGC_27con	HGC_27004	OK	49.4351	35.5206	-0.476879	0.2345
INAFM2	HGC_27con	HGC_27004	OK	7.98507	5.73802	-0.476752	0.1683
TIMP2	HGC_27con	HGC_27004	OK	54.1359	38.9141	-0.476293	0.072
TMEM129	HGC_27con	HGC_27004	OK	22.8917	16.4564	-0.47618	0.1028
AOC3	HGC_27con	HGC_27004	OK	1.30568	0.93863	-0.476171	0.4097
H1FX-AS1	HGC_27con	HGC_27004	OK	0.61985	0.4458	-0.475526	0.435
KLRAP1	HGC_27con	HGC_27004	OK	1.55501	1.11842	-0.475457	0.4021
UBALD2	HGC_27con	HGC_27004	OK	8.29364	5.9652	-0.475435	0.2533
VCL	HGC_27con	HGC_27004	OK	53.9058	38.7815	-0.475073	0.0593
ZNF311	HGC_27con	HGC_27004	OK	1.07271	0.77188	-0.474817	0.3918
CLDN7	HGC_27con	HGC_27004	OK	11.8868	8.55373	-0.474731	0.4017
MYH3	HGC_27con	HGC_27004	NOTEST	0.19028	0.13694	-0.47456	1
TMEM179B	HGC_27con	HGC_27004	OK	39.2116	28.2232	-0.474397	0.1962
TLE3	HGC_27con	HGC_27004	OK	4.28165	3.08179	-0.474396	0.1586
FSTL1	HGC_27con	HGC_27004	OK	155.38	111.884	-0.473792	0.0616
SEPT1	HGC_27con	HGC_27004	OK	0.57006	0.41069	-0.47306	0.8207
ALX4	HGC_27con	HGC_27004	OK	0.75717	0.54596	-0.471817	0.4021
HSD17B12	HGC_27con	HGC_27004	OK	10.4141	7.50925	-0.47179	0.1523
ZBTB47	HGC_27con	HGC_27004	OK	3.24394	2.33976	-0.471384	0.5494
SYDE1	HGC_27con	HGC_27004	OK	10.8733	7.84473	-0.470987	0.5275
SCARNA21	HGC_27con	HGC_27004	OK	26.6273	19.2142	-0.470739	0.833
HOTTIP	HGC_27con	HGC_27004	OK	33.5993	24.2481	-0.470562	0.0833
TPM4	HGC_27con	HGC_27004	OK	196.081	141.571	-0.469919	0.0638
DGCR10	HGC_27con	HGC_27004	OK	0.62115	0.44849	-0.469848	0.7883
TTLL1	HGC_27con	HGC_27004	OK	5.32408	3.84489	-0.469591	0.2498
B3GALT4	HGC_27con	HGC_27004	NOTEST	0.27529	0.19885	-0.46926	1

LRRN2	HGC_27con	HGC_27004	OK	2.34018	1.69043	-0.469227	0.3291
WDPCP	HGC_27con	HGC_27004	OK	3.01416	2.17755	-0.469048	0.7126
INPPL1	HGC_27con	HGC_27004	OK	42.272	30.5392	-0.46904	0.0711
ALAD	HGC_27con	HGC_27004	OK	12.1569	8.78389	-0.468849	0.1141
PEX5L	HGC_27con	HGC_27004	NOTEST	0.06052	0.04373	-0.468846	1
LOC101927708	HGC_27con	HGC_27004	OK	0.52497	0.37933	-0.46878	0.6945
MIEF2	HGC_27con	HGC_27004	OK	3.09693	2.23793	-0.468673	0.3244
ADAM1A	HGC_27con	HGC_27004	OK	0.48151	0.34797	-0.468615	0.4834
C5orf56	HGC_27con	HGC_27004	OK	4.17143	3.01574	-0.468029	0.4429
BHLHE40	HGC_27con	HGC_27004	OK	14.686	10.6173	-0.46802	0.1157
GPR137C	HGC_27con	HGC_27004	OK	0.81015	0.58574	-0.467921	0.4501
ASB16	HGC_27con	HGC_27004	OK	2.35369	1.70173	-0.46792	0.5764
AGER	HGC_27con	HGC_27004	OK	4.17895	3.02148	-0.467882	0.2849
EPB41L5	HGC_27con	HGC_27004	OK	3.56847	2.58061	-0.46759	0.1491
ZNF503-AS2	HGC_27con	HGC_27004	OK	5.65854	4.09222	-0.467546	0.6266
GALNT9	HGC_27con	HGC_27004	OK	0.5118	0.37017	-0.467423	0.6444
ZNF112	HGC_27con	HGC_27004	OK	1.93092	1.39656	-0.467409	0.2704
CYP7B1	HGC_27con	HGC_27004	OK	0.64972	0.46999	-0.467171	0.5139
GPR157	HGC_27con	HGC_27004	OK	3.42332	2.47637	-0.467169	0.4808
LOH12CR2	HGC_27con	HGC_27004	OK	0.77855	0.56321	-0.467122	0.519
PRRT1	HGC_27con	HGC_27004	OK	8.05607	5.82852	-0.466946	0.3051
GDF11	HGC_27con	HGC_27004	OK	22.3398	16.1672	-0.46655	0.1934
TNFSF15	HGC_27con	HGC_27004	NOTEST	0.03565	0.0258	-0.466501	1
SEPW1	HGC_27con	HGC_27004	OK	34.7545	25.154	-0.466408	0.1656
BCAN	HGC_27con	HGC_27004	NOTEST	0.06928	0.05015	-0.466209	1
ALDH16A1	HGC_27con	HGC_27004	OK	19.7167	14.2723	-0.466204	0.1104
CYBRD1	HGC_27con	HGC_27004	OK	7.97057	5.77242	-0.465505	0.1342
MORN2	HGC_27con	HGC_27004	OK	11.9913	8.6855	-0.465301	0.2566
ZNF319	HGC_27con	HGC_27004	OK	2.69773	1.95407	-0.465262	0.2649
NAT14	HGC_27con	HGC_27004	OK	20.7775	15.0541	-0.464869	0.162
GABRA2	HGC_27con	HGC_27004	OK	9.18077	6.65318	-0.464572	0.1731
FBXO24	HGC_27con	HGC_27004	OK	1.59237	1.15451	-0.463905	0.8388
VSIG2	HGC_27con	HGC_27004	NOTEST	0.19611	0.1422	-0.463708	1
PTPRN2	HGC_27con	HGC_27004	NOTEST	0.27228	0.19751	-0.463154	1
COL27A1	HGC_27con	HGC_27004	OK	3.75708	2.72557	-0.463055	0.1377
ELMOD3	HGC_27con	HGC_27004	OK	9.16369	6.64801	-0.463006	0.1562
RDH5	HGC_27con	HGC_27004	OK	11.3968	8.26906	-0.462835	0.5238
STX3	HGC_27con	HGC_27004	OK	2.426	1.76051	-0.46258	0.1994
CRYL1	HGC_27con	HGC_27004	OK	18.4239	13.3701	-0.462567	0.1486
JAG1	HGC_27con	HGC_27004	OK	2.19671	1.59438	-0.462347	0.2262
WBSR17	HGC_27con	HGC_27004	OK	2.19188	1.59095	-0.462287	0.3014
COL11A1	HGC_27con	HGC_27004	OK	59.2558	43.0187	-0.461993	0.0764
PCDHGA7	HGC_27con	HGC_27004	OK	0.39679	0.28815	-0.46157	0.8682
NCK1-AS1	HGC_27con	HGC_27004	OK	1.94531	1.41278	-0.461464	0.4853
DLX4	HGC_27con	HGC_27004	OK	25.7915	18.7394	-0.460825	0.1125
FAM117A	HGC_27con	HGC_27004	OK	6.22542	4.52358	-0.460704	0.2178
ST8SIA1	HGC_27con	HGC_27004	OK	2.08439	1.51466	-0.460629	0.1718
ACBD4	HGC_27con	HGC_27004	OK	5.46233	3.96934	-0.460617	0.2802
PRELP	HGC_27con	HGC_27004	NOTEST	0.21505	0.15627	-0.460577	1
DNAL4	HGC_27con	HGC_27004	OK	7.0002	5.08735	-0.460482	0.2596
ACTG1	HGC_27con	HGC_27004	OK	873.158	634.581	-0.460437	0.0738
PLCH2	HGC_27con	HGC_27004	NOTEST	0.03752	0.02727	-0.460344	1
GABRB3	HGC_27con	HGC_27004	OK	2.60937	1.89681	-0.460131	0.2182
CD19	HGC_27con	HGC_27004	OK	0.96701	0.70302	-0.459965	0.4755

FLJ37201	HGC_27con	HGC_27004	NOTEST	0.15983	0.1162	-0.459945	1
PRAC2	HGC_27con	HGC_27004	OK	21.2889	15.4806	-0.459639	0.2838
KCNMB4	HGC_27con	HGC_27004	NOTEST	0.14215	0.10337	-0.459614	1
CBX3P2	HGC_27con	HGC_27004	OK	1.70842	1.24274	-0.45913	0.4598
LOC100506023	HGC_27con	HGC_27004	NOTEST	0.18496	0.13455	-0.459089	1
LBX2	HGC_27con	HGC_27004	OK	5.65876	4.11693	-0.458917	0.6748
GGT6	HGC_27con	HGC_27004	NOTEST	0.15394	0.11204	-0.458331	1
AMH	HGC_27con	HGC_27004	OK	2.52962	1.84184	-0.457773	0.4519
TRIM54	HGC_27con	HGC_27004	NOTEST	0.14198	0.10339	-0.457627	1
IQCG	HGC_27con	HGC_27004	OK	0.91061	0.66331	-0.457149	0.838
EVA1C	HGC_27con	HGC_27004	OK	3.99906	2.91321	-0.457053	0.3433
C11orf96	HGC_27con	HGC_27004	OK	5.41328	3.94391	-0.456877	0.4398
MAN1B1-AS1	HGC_27con	HGC_27004	OK	2.08717	1.52086	-0.456665	0.4411
LRP5	HGC_27con	HGC_27004	OK	11.4666	8.35545	-0.456654	0.1134
MKNK1	HGC_27con	HGC_27004	OK	6.45168	4.70122	-0.456639	0.2047
PBX1	HGC_27con	HGC_27004	OK	7.80046	5.68466	-0.456486	0.1203
FGB	HGC_27con	HGC_27004	NOTEST	0.05856	0.04269	-0.456109	1
IFT140	HGC_27con	HGC_27004	OK	4.92019	3.58709	-0.4559	0.3186
KCNH4	HGC_27con	HGC_27004	NOTEST	0.05845	0.04262	-0.45585	1
ZNF585B	HGC_27con	HGC_27004	OK	0.74656	0.5446	-0.455071	0.3957
OSBPL7	HGC_27con	HGC_27004	OK	3.49947	2.55284	-0.455035	0.233
TASP1	HGC_27con	HGC_27004	OK	2.73463	1.99491	-0.455026	0.3281
CIART	HGC_27con	HGC_27004	OK	1.63978	1.19622	-0.455017	0.4531
LGALS3BP	HGC_27con	HGC_27004	OK	28.7898	21.0023	-0.45501	0.1201
LINC00839	HGC_27con	HGC_27004	OK	7.1894	5.24596	-0.454664	0.1968
METTL22	HGC_27con	HGC_27004	OK	12.7914	9.33386	-0.454632	0.1985
STK11IP	HGC_27con	HGC_27004	OK	6.37592	4.65318	-0.454416	0.1752
GPBAR1	HGC_27con	HGC_27004	NOTEST	0.23396	0.17077	-0.45421	1
GLB1L3	HGC_27con	HGC_27004	NOTEST	0.09777	0.07136	-0.454172	1
PDLIM1	HGC_27con	HGC_27004	OK	40.7999	29.7916	-0.453659	0.1187
SMG1P1	HGC_27con	HGC_27004	NOTEST	0.27157	0.19831	-0.453561	1
C2CD4C	HGC_27con	HGC_27004	OK	1.09392	0.79888	-0.453456	0.4742
UBXN1	HGC_27con	HGC_27004	OK	69.0704	50.4429	-0.453415	0.1012
SLFN5	HGC_27con	HGC_27004	OK	11.1746	8.16148	-0.453315	0.1208
ZNF790	HGC_27con	HGC_27004	OK	2.04268	1.49257	-0.452666	0.5449
MPP1	HGC_27con	HGC_27004	OK	4.20096	3.07015	-0.452413	0.2765
FLJ30679	HGC_27con	HGC_27004	NOTEST	0.07972	0.05826	-0.452296	1
PMM2	HGC_27con	HGC_27004	OK	14.003	10.2361	-0.452065	0.138
SLC25A23	HGC_27con	HGC_27004	OK	50.7274	37.0825	-0.452024	0.0899
PARVG	HGC_27con	HGC_27004	NOTEST	0.04589	0.03355	-0.451885	1
TCTN1	HGC_27con	HGC_27004	OK	11.9554	8.74126	-0.451749	0.1958
GPR20	HGC_27con	HGC_27004	OK	0.53234	0.38928	-0.451529	0.6461
SEC31B	HGC_27con	HGC_27004	OK	6.73726	4.92766	-0.451259	0.154
TNS3	HGC_27con	HGC_27004	OK	5.86036	4.2863	-0.451257	0.1249
SOX13	HGC_27con	HGC_27004	OK	3.92601	2.87168	-0.45117	0.2235
PIP5K1C	HGC_27con	HGC_27004	OK	11.0623	8.09684	-0.450217	0.131
SPATA7	HGC_27con	HGC_27004	OK	4.11587	3.0136	-0.449711	0.2896
MYO5B	HGC_27con	HGC_27004	NOTEST	0.15007	0.1099	-0.449506	1
TAF10	HGC_27con	HGC_27004	OK	110.506	80.9232	-0.449496	0.2531
USH1G	HGC_27con	HGC_27004	OK	0.55065	0.4033	-0.449287	0.512
MOSPD3	HGC_27con	HGC_27004	OK	14.5868	10.6846	-0.449126	0.2559
LOC101927051	HGC_27con	HGC_27004	OK	0.79021	0.57886	-0.449029	0.6805
UBL7	HGC_27con	HGC_27004	OK	54.6684	40.0475	-0.448994	0.1104
LOC100240734	HGC_27con	HGC_27004	OK	0.566	0.41467	-0.448833	0.393

LINC00898	HGC_27con	HGC_27004	OK	0.69932	0.51235	-0.448807	0.4679
UPK1B	HGC_27con	HGC_27004	NOTEST	0.26842	0.19666	-0.448753	1
TMEM150A	HGC_27con	HGC_27004	OK	12.8905	9.44598	-0.448536	0.2246
MYO5C	HGC_27con	HGC_27004	NOTEST	0.068	0.04984	-0.448265	1
CCDC61	HGC_27con	HGC_27004	OK	3.06333	2.24521	-0.448247	0.4057
KLHL31	HGC_27con	HGC_27004	OK	0.43448	0.31845	-0.448194	0.4755
VAX2	HGC_27con	HGC_27004	OK	2.82622	2.0716	-0.448132	0.4747
OXLD1	HGC_27con	HGC_27004	OK	45.3535	33.2604	-0.447406	0.1868
LINC00958	HGC_27con	HGC_27004	NOTEST	0.08421	0.06177	-0.44716	1
WWTR1-AS1	HGC_27con	HGC_27004	NOTEST	0.08333	0.06113	-0.446982	1
LOC102723729	HGC_27con	HGC_27004	OK	3.02204	2.21714	-0.446822	0.7842
ECM1	HGC_27con	HGC_27004	OK	0.38289	0.28096	-0.446541	0.5726
COL9A3	HGC_27con	HGC_27004	OK	47.2208	34.6531	-0.446441	0.1309
ZNF443	HGC_27con	HGC_27004	OK	1.03485	0.75946	-0.446374	0.4367
CPNE5	HGC_27con	HGC_27004	OK	0.72595	0.53278	-0.446322	0.4722
SVEP1	HGC_27con	HGC_27004	OK	3.06625	2.25061	-0.446163	0.1344
BCAS4	HGC_27con	HGC_27004	OK	12.0552	8.84912	-0.446043	0.2607
ZNF879	HGC_27con	HGC_27004	OK	1.39184	1.02185	-0.445808	0.4131
PPP3CB-AS1	HGC_27con	HGC_27004	OK	1.64765	1.20966	-0.445808	0.727
LINC00324	HGC_27con	HGC_27004	OK	0.56162	0.41236	-0.445698	0.5562
ASB13	HGC_27con	HGC_27004	OK	20.6646	15.1729	-0.44566	0.1274
C1orf198	HGC_27con	HGC_27004	OK	11.6105	8.52577	-0.445525	0.136
USF1	HGC_27con	HGC_27004	OK	13.9261	10.2263	-0.445515	0.159
FGF7	HGC_27con	HGC_27004	NOTEST	0.13153	0.09661	-0.445215	1
MEGF8	HGC_27con	HGC_27004	OK	6.34991	4.66486	-0.444904	0.1132
GPR158	HGC_27con	HGC_27004	OK	1.1177	0.82111	-0.444894	0.3115
FOXP4-AS1	HGC_27con	HGC_27004	OK	3.14589	2.31141	-0.444691	0.8547
RMDN1	HGC_27con	HGC_27004	OK	14.4784	10.638	-0.444685	0.1254
DLG1-AS1	HGC_27con	HGC_27004	NOTEST	0.07834	0.05756	-0.444622	1
OAS3	HGC_27con	HGC_27004	OK	0.50847	0.37362	-0.444565	0.4498
CSAD	HGC_27con	HGC_27004	OK	14.0672	10.3369	-0.44454	0.3667
LMCD1	HGC_27con	HGC_27004	OK	7.23523	5.31736	-0.444329	0.2499
DSG2-AS1	HGC_27con	HGC_27004	OK	1.66359	1.22271	-0.444218	0.7896
HLA-A	HGC_27con	HGC_27004	OK	168.798	124.079	-0.444041	0.0917
ZNF524	HGC_27con	HGC_27004	OK	8.78869	6.46061	-0.443977	0.3494
PLEKHM1P	HGC_27con	HGC_27004	OK	1.46941	1.08021	-0.443933	0.4178
PRSS56	HGC_27con	HGC_27004	NOTEST	0.14522	0.10677	-0.443782	1
ENTHD2	HGC_27con	HGC_27004	OK	8.18508	6.0191	-0.443449	0.2408
CCDC106	HGC_27con	HGC_27004	OK	10.9611	8.06068	-0.443416	0.2064
TRIL	HGC_27con	HGC_27004	OK	0.48455	0.35639	-0.443172	0.5068
ACCS	HGC_27con	HGC_27004	OK	2.41262	1.7747	-0.443024	0.3905
WT1-AS	HGC_27con	HGC_27004	OK	0.76382	0.5619	-0.44291	0.7311
DCP1B	HGC_27con	HGC_27004	OK	6.92369	5.09344	-0.442903	0.2302
ACSS2	HGC_27con	HGC_27004	OK	10.0353	7.38322	-0.442761	0.1472
FAM84B	HGC_27con	HGC_27004	OK	3.75367	2.76176	-0.442714	0.2062
DVL3	HGC_27con	HGC_27004	OK	15.1209	11.1255	-0.442667	0.1155
SELM	HGC_27con	HGC_27004	OK	36.9724	27.2098	-0.442321	0.2505
FAM57B	HGC_27con	HGC_27004	OK	0.95157	0.70031	-0.442314	0.5484
SEPT12	HGC_27con	HGC_27004	NOTEST	0.23558	0.17342	-0.441935	1
KLHL41	HGC_27con	HGC_27004	OK	6.88442	5.06805	-0.441904	0.2131
TOB2	HGC_27con	HGC_27004	OK	15.405	11.3428	-0.441623	0.1236
PLEKHA3	HGC_27con	HGC_27004	OK	6.48065	4.77254	-0.441381	0.6937
CD68	HGC_27con	HGC_27004	OK	0.69957	0.51522	-0.441263	0.5398
SNORA21	HGC_27con	HGC_27004	OK	16.6996	12.2995	-0.441215	0.8179

DCST2	HGC_27con	HGC_27004	OK	2.55391	1.88105	-0.441168	0.4061
SHC1	HGC_27con	HGC_27004	OK	40.3191	29.7135	-0.440347	0.097
G3L5P-PVRIG2P-PI	HGC_27con	HGC_27004	OK	12.9595	9.55085	-0.440308	0.2534
WDR45	HGC_27con	HGC_27004	OK	12.7959	9.43245	-0.439977	0.2012
LOC401134	HGC_27con	HGC_27004	NOTEST	0.17411	0.12835	-0.439947	1
SNPH	HGC_27con	HGC_27004	NOTEST	0.16031	0.11819	-0.439709	1
PIAS1	HGC_27con	HGC_27004	OK	14.7305	10.8613	-0.439606	0.1588
CORO7-PAM16	HGC_27con	HGC_27004	NOTEST	0.00097	0.00072	-0.43958	1
GATSL2	HGC_27con	HGC_27004	OK	2.10143	1.54973	-0.439351	0.2119
ARRDC1-AS1	HGC_27con	HGC_27004	OK	9.82601	7.24692	-0.439238	0.3668
LOC100289561	HGC_27con	HGC_27004	OK	3.26724	2.40998	-0.439054	0.6538
ZNF571	HGC_27con	HGC_27004	OK	1.82624	1.34714	-0.438973	0.4079
ANKRD23	HGC_27con	HGC_27004	OK	0.86465	0.63784	-0.438928	0.4854
CLSTN1	HGC_27con	HGC_27004	OK	24.5122	18.0829	-0.43887	0.1152
NRXN1	HGC_27con	HGC_27004	OK	0.34177	0.25215	-0.438768	0.4996
DSEL	HGC_27con	HGC_27004	NOTEST	0.02482	0.01831	-0.438708	1
DCST1	HGC_27con	HGC_27004	NOTEST	0.24506	0.18084	-0.438424	1
SMPD1	HGC_27con	HGC_27004	OK	7.66709	5.65828	-0.438315	0.2203
PMEL	HGC_27con	HGC_27004	OK	0.80795	0.59627	-0.438305	0.5217
RXRA	HGC_27con	HGC_27004	OK	18.6328	13.7517	-0.43823	0.1109
TRIM2	HGC_27con	HGC_27004	OK	4.20132	3.10074	-0.438229	0.2041
ADGRE5	HGC_27con	HGC_27004	OK	25.1129	18.5371	-0.438012	0.1137
CEACAM1	HGC_27con	HGC_27004	NOTEST	0.07569	0.05588	-0.43772	1
MST1P2	HGC_27con	HGC_27004	OK	1.68765	1.24613	-0.437561	0.437
SNX4	HGC_27con	HGC_27004	OK	10.1015	7.46135	-0.437054	0.1709
MCEE	HGC_27con	HGC_27004	OK	17.5799	12.9867	-0.436896	0.2442
HLA-B	HGC_27con	HGC_27004	OK	79.5346	58.7545	-0.436884	0.1003
SLC40A1	HGC_27con	HGC_27004	OK	3.39534	2.50833	-0.436829	0.281
ZNF285	HGC_27con	HGC_27004	OK	0.74065	0.54726	-0.436577	0.4761
NDUFA6-AS1	HGC_27con	HGC_27004	OK	4.31076	3.1854	-0.436468	0.3537
PRR4	HGC_27con	HGC_27004	OK	2.47921	1.83205	-0.436423	0.8022
TMEM176B	HGC_27con	HGC_27004	OK	0.32518	0.2403	-0.436397	0.6522
LINC00152	HGC_27con	HGC_27004	OK	16.9615	12.5343	-0.436391	0.3585
GPC1	HGC_27con	HGC_27004	OK	11.6547	8.61332	-0.436277	0.1569
CLTB	HGC_27con	HGC_27004	OK	40.7412	30.1135	-0.436077	0.1373
DNASE1	HGC_27con	HGC_27004	OK	0.97406	0.72023	-0.435538	0.6208
HERC2P7	HGC_27con	HGC_27004	OK	6.58302	4.86792	-0.435446	0.2945
STAT2	HGC_27con	HGC_27004	OK	10.5234	7.78313	-0.435184	0.1212
ZNF333	HGC_27con	HGC_27004	OK	3.20029	2.36704	-0.435118	0.263
ADGRF5	HGC_27con	HGC_27004	NOTEST	0.07801	0.05772	-0.434654	1
LINC00888	HGC_27con	HGC_27004	OK	1.46091	1.081	-0.43451	0.5055
NPIPB5	HGC_27con	HGC_27004	OK	0.78973	0.58437	-0.43448	0.4813
PAIP2B	HGC_27con	HGC_27004	OK	0.88145	0.65224	-0.434467	0.3807
LGMN	HGC_27con	HGC_27004	OK	44.9337	33.2502	-0.434433	0.1077
ZNF549	HGC_27con	HGC_27004	OK	1.25649	0.92982	-0.434381	0.3687
CD79B	HGC_27con	HGC_27004	NOTEST	0.26434	0.19565	-0.434085	1
TMED8	HGC_27con	HGC_27004	OK	6.0384	4.46946	-0.434067	0.368
SLC38A7	HGC_27con	HGC_27004	OK	5.70556	4.22328	-0.434003	0.1979
MAN2B2	HGC_27con	HGC_27004	OK	6.83498	5.0596	-0.433913	0.1815
CYP2D7	HGC_27con	HGC_27004	OK	0.65442	0.48448	-0.433791	0.5937
ZNF155	HGC_27con	HGC_27004	OK	0.99801	0.73885	-0.433762	0.4809
FUOM	HGC_27con	HGC_27004	OK	11.5698	8.5657	-0.433716	0.3528
CLIC2	HGC_27con	HGC_27004	OK	0.43248	0.32019	-0.433713	0.5469
TMEM220	HGC_27con	HGC_27004	OK	1.43301	1.0612	-0.433344	0.4352

ASPHD2	HGC_27con	HGC_27004	OK	0.35461	0.26262	-0.43328	0.568
MICAL1	HGC_27con	HGC_27004	OK	6.79003	5.02873	-0.433224	0.2767
TSIX	HGC_27con	HGC_27004	NOTEST	0.03325	0.02462	-0.433182	1
SEMA6C	HGC_27con	HGC_27004	OK	0.85572	0.63402	-0.432604	0.4665
ATP5J2-PTCD1	HGC_27con	HGC_27004	OK	0.85043	0.63015	-0.432499	0.8203
SYP	HGC_27con	HGC_27004	OK	0.35195	0.26082	-0.432308	0.5745
PARP3	HGC_27con	HGC_27004	OK	9.74859	7.22556	-0.432085	0.1816
PMP22	HGC_27con	HGC_27004	OK	22.9627	17.02	-0.432058	0.1612
TOR4A	HGC_27con	HGC_27004	OK	1.36516	1.01189	-0.432023	0.4352
TRPV4	HGC_27con	HGC_27004	OK	2.44284	1.81095	-0.431811	0.3696
ZNF16	HGC_27con	HGC_27004	OK	2.53713	1.88087	-0.4318	0.3355
EDN2	HGC_27con	HGC_27004	NOTEST	0.28417	0.21069	-0.431646	1
RPS28	HGC_27con	HGC_27004	OK	4328.57	3209.75	-0.431427	0.0959
LINC00663	HGC_27con	HGC_27004	OK	1.16771	0.86595	-0.431338	0.4669
FAR2P1	HGC_27con	HGC_27004	OK	4.01879	2.98076	-0.431085	0.1938
CCDC87	HGC_27con	HGC_27004	NOTEST	0.27939	0.20723	-0.43104	1
ZSCAN16-AS1	HGC_27con	HGC_27004	OK	2.79952	2.07664	-0.430931	0.4408
DOK4	HGC_27con	HGC_27004	OK	8.27391	6.13763	-0.430889	0.4026
TCP11L2	HGC_27con	HGC_27004	OK	1.22989	0.91242	-0.430771	0.4787
CDON	HGC_27con	HGC_27004	OK	10.2676	7.61737	-0.430728	0.1131
YAP1	HGC_27con	HGC_27004	OK	39.4962	29.3019	-0.430722	0.1019
CLUAP1	HGC_27con	HGC_27004	OK	5.83283	4.32733	-0.430716	0.1794
GAPDHS	HGC_27con	HGC_27004	OK	2.82846	2.09852	-0.430648	0.7793
MDGA1	HGC_27con	HGC_27004	NOTEST	0.12811	0.09505	-0.430618	1
RPL10L	HGC_27con	HGC_27004	OK	0.90213	0.66933	-0.430614	0.6316
HOXA9	HGC_27con	HGC_27004	OK	2.64036	1.95938	-0.430337	0.5554
SDK1	HGC_27con	HGC_27004	OK	5.06712	3.76031	-0.430315	0.1603
NOV	HGC_27con	HGC_27004	OK	8.03365	5.962	-0.430259	0.2092
LINC00941	HGC_27con	HGC_27004	NOTEST	0.19137	0.14204	-0.430088	1
ZNF773	HGC_27con	HGC_27004	OK	0.79144	0.58762	-0.429597	0.546
PLTP	HGC_27con	HGC_27004	OK	111.118	82.5129	-0.429405	0.1491
GALT	HGC_27con	HGC_27004	OK	18.0022	13.3715	-0.429007	0.1989
SH3RF2	HGC_27con	HGC_27004	OK	2.52288	1.87419	-0.428808	0.3422
PTP4A3	HGC_27con	HGC_27004	OK	5.27504	3.91977	-0.428411	0.2762
PIH1D2	HGC_27con	HGC_27004	OK	2.65538	1.97322	-0.428366	0.8107
WBSCR27	HGC_27con	HGC_27004	OK	10.2495	7.61722	-0.428212	0.3498
APBA3	HGC_27con	HGC_27004	OK	13.2801	9.86985	-0.428162	0.8717
DNM3OS	HGC_27con	HGC_27004	OK	8.74139	6.49725	-0.428035	0.1596
DCTN1	HGC_27con	HGC_27004	OK	55.6256	41.3519	-0.427796	0.0925
CHST3	HGC_27con	HGC_27004	OK	6.42393	4.77572	-0.427739	0.1444
C9orf3	HGC_27con	HGC_27004	OK	23.1598	17.219	-0.42762	0.1251
APOM	HGC_27con	HGC_27004	OK	8.1061	6.02726	-0.427507	0.622
RETSAT	HGC_27con	HGC_27004	OK	29.1474	21.673	-0.427471	0.1217
GJD3	HGC_27con	HGC_27004	OK	2.80205	2.08368	-0.427348	0.3215
ICOSLG	HGC_27con	HGC_27004	OK	3.29647	2.45193	-0.427005	0.3344
RASL11A	HGC_27con	HGC_27004	OK	1.11565	0.82988	-0.426916	0.5552
GLT8D2	HGC_27con	HGC_27004	OK	9.91025	7.3723	-0.426807	0.2071
YJEFN3	HGC_27con	HGC_27004	OK	11.7923	8.77446	-0.426468	0.3646
P2RY11	HGC_27con	HGC_27004	OK	20.8886	15.5454	-0.426225	0.6924
GRIN1	HGC_27con	HGC_27004	NOTEST	0.29858	0.2223	-0.425618	1
GMPPA	HGC_27con	HGC_27004	OK	44.1042	32.8382	-0.425541	0.1245
ACY3	HGC_27con	HGC_27004	OK	2.84677	2.1203	-0.425054	0.5003
EIF5AL1	HGC_27con	HGC_27004	NOTEST	0.05819	0.04334	-0.425029	1
MAN2B1	HGC_27con	HGC_27004	OK	36.9525	27.5248	-0.424943	0.1167

CKM	HGC_27con	HGC_27004	NOTEST	0.10946	0.08154	-0.424849	1
LOC101928254	HGC_27con	HGC_27004	NOTEST	0.20409	0.15204	-0.424756	1
ZNF175	HGC_27con	HGC_27004	OK	1.4406	1.07335	-0.424549	0.3753
LRRC23	HGC_27con	HGC_27004	OK	2.90193	2.16217	-0.424532	0.3737
SCN1B	HGC_27con	HGC_27004	OK	3.74566	2.79094	-0.42447	0.4338
STAR	HGC_27con	HGC_27004	NOTEST	0.15291	0.11397	-0.424088	1
PSPN	HGC_27con	HGC_27004	OK	4.83361	3.60269	-0.424025	0.5712
TSPY26P	HGC_27con	HGC_27004	NOTEST	0.19648	0.14649	-0.42352	1
GRIN2D	HGC_27con	HGC_27004	OK	1.50807	1.12452	-0.423387	0.4268
FAXDC2	HGC_27con	HGC_27004	OK	0.34577	0.25784	-0.423348	0.5735
LOC101927056	HGC_27con	HGC_27004	OK	0.41519	0.30961	-0.423288	0.6932
PGM5P2	HGC_27con	HGC_27004	OK	1.73209	1.29175	-0.423184	0.4982
DHRS1	HGC_27con	HGC_27004	OK	6.62203	4.93891	-0.42308	0.3473
RNPEP	HGC_27con	HGC_27004	OK	35.0149	26.116	-0.423037	0.1302
CIDCEP	HGC_27con	HGC_27004	OK	9.86398	7.36025	-0.422415	0.3972
LINC01569	HGC_27con	HGC_27004	OK	2.57948	1.92545	-0.421881	0.4358
DHRS3	HGC_27con	HGC_27004	OK	5.78876	4.32132	-0.421785	0.3161
HSPG2	HGC_27con	HGC_27004	OK	9.959	7.43484	-0.4217	0.1156
METTL20	HGC_27con	HGC_27004	OK	0.60863	0.45442	-0.421535	0.5672
ERBB2	HGC_27con	HGC_27004	OK	14.7305	11.0008	-0.421202	0.1271
LINC00934	HGC_27con	HGC_27004	NOTEST	0.13129	0.09805	-0.421196	1
EIF4EBP3	HGC_27con	HGC_27004	OK	3.87572	2.89493	-0.420936	0.5308
TRPV2	HGC_27con	HGC_27004	NOTEST	0.13339	0.09964	-0.420918	1
OCLM	HGC_27con	HGC_27004	OK	0.58674	0.43841	-0.420462	0.8472
SCARNA10	HGC_27con	HGC_27004	OK	0.9402	0.70254	-0.420386	0.82
ADIPOR2	HGC_27con	HGC_27004	OK	44.4953	33.2517	-0.420225	0.1168
CASKIN2	HGC_27con	HGC_27004	OK	5.26945	3.93815	-0.420136	0.3921
FAM126A	HGC_27con	HGC_27004	OK	22.4733	16.7968	-0.420027	0.1212
GTPBP1	HGC_27con	HGC_27004	OK	12.6162	9.4312	-0.419769	0.1479
C9orf16	HGC_27con	HGC_27004	OK	39.242	29.3442	-0.419324	0.2308
PPM1H	HGC_27con	HGC_27004	OK	2.81542	2.10545	-0.419226	0.2418
GPNMB	HGC_27con	HGC_27004	OK	198.15	148.185	-0.419197	0.1005
LOC100133050	HGC_27con	HGC_27004	OK	1.38438	1.03548	-0.418942	0.594
BCL9L	HGC_27con	HGC_27004	OK	22.6502	16.9427	-0.418863	0.1155
TPRG1	HGC_27con	HGC_27004	NOTEST	0.11309	0.08459	-0.418826	1
SCUBE3	HGC_27con	HGC_27004	OK	0.37998	0.28429	-0.418576	0.4743
ASCL5	HGC_27con	HGC_27004	NOTEST	0.26123	0.19556	-0.417726	1
INSIG1	HGC_27con	HGC_27004	OK	43.1088	32.2735	-0.417631	0.1321
NPW	HGC_27con	HGC_27004	OK	1.06432	0.79698	-0.417319	0.6344
CFAP36	HGC_27con	HGC_27004	OK	23.7364	17.7754	-0.417216	0.1592
LINCR-0001	HGC_27con	HGC_27004	OK	2.37315	1.77729	-0.417127	0.5626
LTBP2	HGC_27con	HGC_27004	OK	2.12581	1.59222	-0.416975	0.2372
ADAMTS13	HGC_27con	HGC_27004	OK	4.56522	3.41942	-0.41693	0.7152
IRAK2	HGC_27con	HGC_27004	NOTEST	0.30538	0.22876	-0.416771	1
CFAP44	HGC_27con	HGC_27004	OK	0.58108	0.43531	-0.416695	0.5186
RNF43	HGC_27con	HGC_27004	NOTEST	0.26908	0.2016	-0.416573	1
TRIM66	HGC_27con	HGC_27004	OK	3.9365	2.94925	-0.416564	0.1708
AGRP	HGC_27con	HGC_27004	NOTEST	0.31652	0.23717	-0.416367	1
AXL	HGC_27con	HGC_27004	OK	10.7646	8.06625	-0.416319	0.1434
CROCC	HGC_27con	HGC_27004	OK	3.21597	2.41106	-0.415587	0.2166
ITGB5	HGC_27con	HGC_27004	OK	11.1338	8.34789	-0.415461	0.1553
HLA-C	HGC_27con	HGC_27004	OK	43.9867	32.982	-0.415392	0.1435
DPM3	HGC_27con	HGC_27004	OK	32.1221	24.086	-0.41537	0.365
C1QTNF8	HGC_27con	HGC_27004	NOTEST	0.13301	0.09973	-0.415343	1

LPIN3	HGC_27con	HGC_27004	OK	1.15108	0.86336	-0.414969	0.4138
CDKN1A	HGC_27con	HGC_27004	OK	7.88903	5.91715	-0.414945	0.2542
LINC01465	HGC_27con	HGC_27004	NOTEST	0.26083	0.1957	-0.414487	1
TYW1B	HGC_27con	HGC_27004	OK	0.45413	0.34074	-0.414425	0.5321
SLC25A35	HGC_27con	HGC_27004	OK	5.5608	4.17318	-0.414147	0.4394
TMEM151B	HGC_27con	HGC_27004	NOTEST	0.10053	0.07545	-0.41409	1
GLS2	HGC_27con	HGC_27004	OK	0.88563	0.66471	-0.413975	0.709
IGFBP4	HGC_27con	HGC_27004	OK	162.804	122.238	-0.413445	0.1137
LINC00570	HGC_27con	HGC_27004	OK	0.44059	0.33085	-0.413245	0.6182
LINC00926	HGC_27con	HGC_27004	OK	0.68499	0.51439	-0.413216	0.5518
ERMAP	HGC_27con	HGC_27004	OK	5.79996	4.35575	-0.413122	0.2785
LOC101928100	HGC_27con	HGC_27004	OK	1.16933	0.87827	-0.412951	0.5043
SV2B	HGC_27con	HGC_27004	NOTEST	0.03807	0.0286	-0.412832	1
IDNK	HGC_27con	HGC_27004	OK	1.52073	1.14242	-0.412667	0.5403
ATXN1	HGC_27con	HGC_27004	OK	1.99441	1.4983	-0.412634	0.2246
IQSEC2	HGC_27con	HGC_27004	OK	4.21917	3.16996	-0.412496	0.3688
TTC30B	HGC_27con	HGC_27004	OK	3.46113	2.60065	-0.412371	0.3122
LINC00507	HGC_27con	HGC_27004	NOTEST	0.28304	0.21268	-0.412275	1
CDSN	HGC_27con	HGC_27004	NOTEST	0.09509	0.07145	-0.412253	1
CDX2	HGC_27con	HGC_27004	OK	1.46064	1.09779	-0.412005	0.4746
TENM1	HGC_27con	HGC_27004	OK	2.06405	1.55193	-0.411417	0.1866
PACSIN2	HGC_27con	HGC_27004	OK	22.2233	16.71	-0.411359	0.1318
WSCD1	HGC_27con	HGC_27004	NOTEST	0.02623	0.01972	-0.411315	1
LINC01024	HGC_27con	HGC_27004	OK	0.35268	0.26526	-0.410965	0.5902
OSBPL5	HGC_27con	HGC_27004	OK	3.52831	2.65399	-0.410811	0.2769
RHPN1-AS1	HGC_27con	HGC_27004	OK	0.96007	0.72219	-0.410748	0.5715
FABP6	HGC_27con	HGC_27004	OK	0.42436	0.31931	-0.410317	0.6923
LOC650293	HGC_27con	HGC_27004	OK	0.43377	0.32639	-0.410304	0.8033
LRRC1	HGC_27con	HGC_27004	OK	9.25957	6.96797	-0.410206	0.1916
PRX	HGC_27con	HGC_27004	OK	0.89908	0.67661	-0.410125	0.4071
SLC9A3	HGC_27con	HGC_27004	OK	4.65439	3.50277	-0.410095	0.5662
AGAP2	HGC_27con	HGC_27004	OK	1.98192	1.49185	-0.409796	0.4253
PLEKHA6	HGC_27con	HGC_27004	NOTEST	0.06176	0.0465	-0.409421	1
DECR2	HGC_27con	HGC_27004	OK	47.8618	36.0377	-0.409369	0.1603
RFTN2	HGC_27con	HGC_27004	OK	1.80981	1.36273	-0.409335	0.4003
PHACTR2	HGC_27con	HGC_27004	OK	2.5143	1.89323	-0.409306	0.2023
MTURN	HGC_27con	HGC_27004	OK	7.40966	5.57956	-0.409258	0.1628
DOCK9-AS2	HGC_27con	HGC_27004	OK	0.53626	0.40391	-0.408928	0.6172
MYH14	HGC_27con	HGC_27004	OK	6.53101	4.91952	-0.408789	0.1499
CIDEA	HGC_27con	HGC_27004	NOTEST	0.15641	0.11782	-0.408767	1
FHL3	HGC_27con	HGC_27004	OK	56.0225	42.2011	-0.408727	0.1451
C17orf49	HGC_27con	HGC_27004	OK	16.0486	12.0922	-0.408373	0.531
UCP2	HGC_27con	HGC_27004	OK	76.7713	57.8559	-0.408104	0.1385
IER2	HGC_27con	HGC_27004	OK	41.167	31.0249	-0.408062	0.1548
ZNF213	HGC_27con	HGC_27004	OK	8.4965	6.40474	-0.407728	0.22
RHBDF1	HGC_27con	HGC_27004	OK	4.51138	3.40122	-0.407518	0.3304
ZNF471	HGC_27con	HGC_27004	OK	1.31227	0.98937	-0.407491	0.3521
ARID5B	HGC_27con	HGC_27004	OK	7.03588	5.30486	-0.407416	0.1572
LINC01278	HGC_27con	HGC_27004	OK	7.69418	5.80157	-0.407324	0.2549
PNPLA2	HGC_27con	HGC_27004	OK	27.2923	20.5796	-0.407275	0.17
BAIAP2L2	HGC_27con	HGC_27004	OK	1.03427	0.7799	-0.407263	0.544
INHBB	HGC_27con	HGC_27004	OK	0.59263	0.44689	-0.40721	0.532
LOC101927267	HGC_27con	HGC_27004	OK	1.55311	1.17124	-0.407125	0.7505
ST7-OT3	HGC_27con	HGC_27004	OK	0.32787	0.24726	-0.407082	0.7562

TSPEAR	HGC_27con	HGC_27004	OK	0.52364	0.39491	-0.407049	0.6073
GDAP1L1	HGC_27con	HGC_27004	NOTEST	0.188	0.14182	-0.406651	1
LOC101927905	HGC_27con	HGC_27004	OK	1.23142	0.929	-0.406578	0.7453
PPP2R5B	HGC_27con	HGC_27004	OK	4.41889	3.33496	-0.406012	0.298
FBXO36	HGC_27con	HGC_27004	OK	1.87532	1.41537	-0.40596	0.4325
BC1D3P1-DHX40P	HGC_27con	HGC_27004	NOTEST	0.10965	0.08276	-0.40595	1
RAB3B	HGC_27con	HGC_27004	OK	1.45454	1.09785	-0.405891	0.2269
BRINP2	HGC_27con	HGC_27004	OK	0.60086	0.45356	-0.405725	0.5177
SLC27A5	HGC_27con	HGC_27004	OK	4.47695	3.37959	-0.405669	0.3467
APOBR	HGC_27con	HGC_27004	NOTEST	0.03248	0.02452	-0.405636	1
TNRC6C	HGC_27con	HGC_27004	OK	3.04398	2.29832	-0.405379	0.1916
SPATA22	HGC_27con	HGC_27004	OK	1.96889	1.48689	-0.405091	0.5001
ARMC7	HGC_27con	HGC_27004	OK	7.88106	5.95219	-0.404968	0.4986
LOC101928837	HGC_27con	HGC_27004	OK	0.67731	0.51154	-0.404965	0.833
ANTXR1	HGC_27con	HGC_27004	OK	18.721	14.1395	-0.40493	0.1533
MYH7B	HGC_27con	HGC_27004	NOTEST	0.07691	0.05809	-0.404751	1
PLEKHG2	HGC_27con	HGC_27004	OK	4.70065	3.55077	-0.40473	0.1914
DUSP6	HGC_27con	HGC_27004	NOTEST	0.0358	0.02704	-0.404701	1
TMEM179	HGC_27con	HGC_27004	OK	1.57488	1.18972	-0.40462	0.4558
LINC00670	HGC_27con	HGC_27004	NOTEST	0.06006	0.04538	-0.404466	1
ACY1	HGC_27con	HGC_27004	OK	33.9311	25.6405	-0.404187	0.1924
TIPARP	HGC_27con	HGC_27004	OK	5.07888	3.83808	-0.404123	0.2386
OSMR	HGC_27con	HGC_27004	OK	6.26103	4.73167	-0.404051	0.2611
PCDHB19P	HGC_27con	HGC_27004	NOTEST	0.11999	0.09069	-0.403982	1
ARGFXP2	HGC_27con	HGC_27004	NOTEST	0.11697	0.08841	-0.403904	1
NIFK-AS1	HGC_27con	HGC_27004	OK	4.5232	3.41924	-0.40367	0.6995
PICK1	HGC_27con	HGC_27004	OK	5.28522	3.99532	-0.403653	0.2822
TEX36	HGC_27con	HGC_27004	NOTEST	0.31925	0.24135	-0.403528	1
MAML2	HGC_27con	HGC_27004	OK	1.01863	0.77034	-0.403064	0.3552
ERCC2	HGC_27con	HGC_27004	OK	18.5895	14.0601	-0.402878	0.1809
LINC01508	HGC_27con	HGC_27004	OK	3.52162	2.664	-0.402646	0.4654
FBXW10	HGC_27con	HGC_27004	NOTEST	0.0702	0.05311	-0.402539	1
SAXO1	HGC_27con	HGC_27004	NOTEST	0.0754	0.05705	-0.402527	1
NUTM2B	HGC_27con	HGC_27004	NOTEST	0.21284	0.16104	-0.402388	1
PILRA	HGC_27con	HGC_27004	OK	0.56803	0.43004	-0.401471	0.6477
MEIG1	HGC_27con	HGC_27004	NOTEST	0.21052	0.15941	-0.401256	1
NPHP1	HGC_27con	HGC_27004	OK	0.44994	0.34082	-0.40075	0.5573
USB1	HGC_27con	HGC_27004	OK	19.4118	14.7038	-0.400749	0.2015
HSPA1L	HGC_27con	HGC_27004	OK	0.563	0.4265	-0.400587	0.5432
LINC01481	HGC_27con	HGC_27004	OK	1.7642	1.33647	-0.400579	0.8087
KIF9-AS1	HGC_27con	HGC_27004	OK	0.69947	0.52999	-0.400313	0.758
SPX	HGC_27con	HGC_27004	OK	0.55782	0.42272	-0.400097	0.7454
TMEM25	HGC_27con	HGC_27004	OK	3.28467	2.48917	-0.400082	0.8408
GLTSCR1	HGC_27con	HGC_27004	OK	3.11026	2.35714	-0.399999	0.3087
OPTC	HGC_27con	HGC_27004	NOTEST	0.28961	0.21948	-0.399991	1
ENPP1	HGC_27con	HGC_27004	OK	2.33706	1.77129	-0.399894	0.2602
HOXB13	HGC_27con	HGC_27004	OK	8.50737	6.44927	-0.399578	0.2114
RSAD2	HGC_27con	HGC_27004	NOTEST	0.13715	0.10398	-0.399521	1
HIC1	HGC_27con	HGC_27004	NOTEST	0.21935	0.16631	-0.399385	1
SCGB2B2	HGC_27con	HGC_27004	OK	0.87611	0.66427	-0.399338	0.7868
TPRG1L	HGC_27con	HGC_27004	OK	9.33834	7.08058	-0.399298	0.2519
CCDC92	HGC_27con	HGC_27004	OK	11.7804	8.93284	-0.399202	0.2312
CNN3	HGC_27con	HGC_27004	OK	40.384	30.629	-0.398887	0.15
ISM1	HGC_27con	HGC_27004	OK	0.96189	0.72974	-0.398491	0.5165

MEIOB	HGC_27con	HGC_27004	NOTEST	0.09836	0.07463	-0.398295	1
SOX9	HGC_27con	HGC_27004	NOTEST	0.10411	0.07903	-0.39771	1
CFAP70	HGC_27con	HGC_27004	NOTEST	0.17553	0.13326	-0.39754	1
TBC1D2B	HGC_27con	HGC_27004	OK	14.3752	10.914	-0.397409	0.1413
CLEC4F	HGC_27con	HGC_27004	NOTEST	0.23974	0.18206	-0.397119	1
LINC00327	HGC_27con	HGC_27004	NOTEST	0.05252	0.03988	-0.397051	1
DDX39B	HGC_27con	HGC_27004	OK	81.8001	62.1204	-0.397034	0.1314
ACADS	HGC_27con	HGC_27004	OK	5.07415	3.85375	-0.396903	0.3723
IL12RB2	HGC_27con	HGC_27004	NOTEST	0.14759	0.11211	-0.396779	1
IFITM10	HGC_27con	HGC_27004	NOTEST	0.28205	0.21423	-0.396769	1
EMILIN1	HGC_27con	HGC_27004	OK	42.7481	32.4708	-0.396718	0.1356
TTLL3	HGC_27con	HGC_27004	OK	3.90192	2.96391	-0.396683	0.6727
ZNF672	HGC_27con	HGC_27004	OK	15.9714	12.1321	-0.396665	0.1921
PCDHGB7	HGC_27con	HGC_27004	OK	1.52654	1.15963	-0.396603	0.7253
MSRB3	HGC_27con	HGC_27004	OK	10.4404	7.93123	-0.396558	0.1763
RNF44	HGC_27con	HGC_27004	OK	24.507	18.6175	-0.396532	0.1543
PDXDC2P	HGC_27con	HGC_27004	OK	6.65359	5.0553	-0.396336	0.1935
RAB3D	HGC_27con	HGC_27004	OK	9.61804	7.30841	-0.396186	0.1867
ERMARD	HGC_27con	HGC_27004	OK	5.21167	3.9609	-0.395918	0.3424
SHARPIN	HGC_27con	HGC_27004	OK	24.6161	18.7088	-0.395882	0.1957
SCN2B	HGC_27con	HGC_27004	NOTEST	0.03068	0.02332	-0.395782	1
HOXA-AS3	HGC_27con	HGC_27004	NOTEST	0.04487	0.03411	-0.395552	1
SOCS1	HGC_27con	HGC_27004	OK	1.46666	1.11527	-0.395135	0.625
OSR2	HGC_27con	HGC_27004	OK	7.28977	5.54331	-0.395126	0.3385
MGRN1	HGC_27con	HGC_27004	OK	13.8821	10.5563	-0.395122	0.1811
BMPER	HGC_27con	HGC_27004	OK	4.97841	3.78582	-0.395081	0.216
HTR3E	HGC_27con	HGC_27004	NOTEST	0.0204	0.01551	-0.395022	1
SLC17A7	HGC_27con	HGC_27004	OK	2.3793	1.80982	-0.394691	0.4366
LOC401320	HGC_27con	HGC_27004	OK	2.27522	1.73081	-0.39456	0.3413
PCSK7	HGC_27con	HGC_27004	OK	10.5967	8.06129	-0.394532	0.1854
ALOXE3	HGC_27con	HGC_27004	NOTEST	0.19517	0.14848	-0.394425	1
MYO10	HGC_27con	HGC_27004	OK	21.987	16.7278	-0.394402	0.1319
PRUNE	HGC_27con	HGC_27004	OK	12.4053	9.43863	-0.394305	0.207
COL6A2	HGC_27con	HGC_27004	OK	47.4854	36.1367	-0.39402	0.1386
ABHD14A	HGC_27con	HGC_27004	OK	9.31749	7.092	-0.393749	0.6399
TRIM38	HGC_27con	HGC_27004	OK	3.57362	2.72023	-0.393657	0.2225
CREB3L4	HGC_27con	HGC_27004	OK	12.9819	9.88226	-0.393588	0.7178
MRPL54	HGC_27con	HGC_27004	OK	67.433	51.3388	-0.393406	0.8708
CDC42EP5	HGC_27con	HGC_27004	OK	10.8355	8.24959	-0.393372	0.462
MR1	HGC_27con	HGC_27004	OK	5.35656	4.07848	-0.393276	0.1847
ACADVL	HGC_27con	HGC_27004	OK	37.0863	28.2393	-0.393183	0.2045
LOC100507373	HGC_27con	HGC_27004	OK	1.21003	0.92148	-0.393014	0.7993
EMX1	HGC_27con	HGC_27004	OK	0.60532	0.461	-0.392936	0.6004
DNAJC28	HGC_27con	HGC_27004	OK	0.84444	0.64313	-0.392877	0.5447
LPPR2	HGC_27con	HGC_27004	OK	27.2089	20.726	-0.392642	0.166
LTB4R	HGC_27con	HGC_27004	OK	6.01889	4.58482	-0.392633	0.3799
ZNF391	HGC_27con	HGC_27004	OK	2.72446	2.07539	-0.392589	0.4389
FAM186B	HGC_27con	HGC_27004	OK	0.64424	0.4908	-0.392451	0.508
CX5-GPRASP2,GPR	HGC_27con	HGC_27004	OK	3.01645	2.29861	-0.392088	0.5124
ACOT8	HGC_27con	HGC_27004	OK	14.9799	11.4165	-0.391911	0.3199
CBWD3	HGC_27con	HGC_27004	NOTEST	0.1989	0.15159	-0.391892	1
BCAR1	HGC_27con	HGC_27004	OK	18.1976	13.8698	-0.391801	0.1862
LOC100129924	HGC_27con	HGC_27004	NOTEST	0.24724	0.18845	-0.391673	1
DHFRL1	HGC_27con	HGC_27004	OK	1.81355	1.38275	-0.391278	0.3994

LOC202181	HGC_27con	HGC_27004	OK	1.58123	1.20568	-0.391204	0.4589
LOC102723854	HGC_27con	HGC_27004	NOTEST	0.06801	0.05186	-0.391076	1
LOC731424	HGC_27con	HGC_27004	NOTEST	0.12119	0.09243	-0.390855	1
NOL3	HGC_27con	HGC_27004	OK	17.5391	13.377	-0.390828	0.315
IFT57	HGC_27con	HGC_27004	OK	9.11295	6.95081	-0.390737	0.2039
TMEM17	HGC_27con	HGC_27004	OK	1.54372	1.17752	-0.390655	0.5094
DANCR	HGC_27con	HGC_27004	OK	215.659	164.505	-0.390619	0.1415
ZNF665	HGC_27con	HGC_27004	NOTEST	0.03415	0.02605	-0.390458	1
CADM2	HGC_27con	HGC_27004	OK	12.171	9.28577	-0.390353	0.1481
TMEM254-AS1	HGC_27con	HGC_27004	OK	0.60871	0.46445	-0.390238	0.7054
MAB21L3	HGC_27con	HGC_27004	OK	5.91752	4.51515	-0.390218	0.2528
MRO	HGC_27con	HGC_27004	NOTEST	0.29372	0.22412	-0.390152	1
ZNF2	HGC_27con	HGC_27004	OK	3.0821	2.35195	-0.390056	0.3223
SPIN2B	HGC_27con	HGC_27004	OK	3.19552	2.43854	-0.390033	0.5018
ONECUT3	HGC_27con	HGC_27004	OK	5.27084	4.02249	-0.389943	0.5025
PINK1	HGC_27con	HGC_27004	OK	4.54917	3.47193	-0.389867	0.788
PLXNB3	HGC_27con	HGC_27004	OK	2.31543	1.7673	-0.389734	0.3175
SGPP2	HGC_27con	HGC_27004	NOTEST	0.22334	0.17049	-0.389555	1
PARP10	HGC_27con	HGC_27004	OK	4.50801	3.44131	-0.389533	0.2958
IFNGR1	HGC_27con	HGC_27004	OK	13.7315	10.4837	-0.389341	0.2182
CA3	HGC_27con	HGC_27004	OK	1.14053	0.87084	-0.389234	0.6984
SPATA33	HGC_27con	HGC_27004	OK	3.41396	2.60692	-0.389096	0.7262
NAALADL2	HGC_27con	HGC_27004	NOTEST	0.21999	0.16801	-0.388913	1
LMO7	HGC_27con	HGC_27004	OK	7.26406	5.54855	-0.388666	0.2529
LTBP4	HGC_27con	HGC_27004	OK	68.5438	52.3583	-0.388608	0.1295
MGP	HGC_27con	HGC_27004	OK	1.53256	1.17074	-0.388526	0.5446
LOC100289361	HGC_27con	HGC_27004	OK	0.35513	0.27134	-0.388236	0.7806
BMP5	HGC_27con	HGC_27004	OK	13.7212	10.4841	-0.388204	0.2026
CAPNS1	HGC_27con	HGC_27004	OK	255.316	195.084	-0.388188	0.1358
TTC28	HGC_27con	HGC_27004	OK	6.61685	5.05791	-0.387603	0.1795
KIF9	HGC_27con	HGC_27004	OK	0.50852	0.38877	-0.387376	0.7629
ZNF235	HGC_27con	HGC_27004	OK	1.1294	0.86351	-0.387265	0.4586
ZMIZ1	HGC_27con	HGC_27004	OK	7.46698	5.70956	-0.387146	0.189
LINC01311	HGC_27con	HGC_27004	OK	1.30563	0.99861	-0.386763	0.5875
FAM66C	HGC_27con	HGC_27004	NOTEST	0.27601	0.21112	-0.386695	1
KRI1	HGC_27con	HGC_27004	OK	18.1406	13.8782	-0.386406	0.2065
IQCE	HGC_27con	HGC_27004	OK	7.55755	5.78203	-0.386343	0.2185
SGSH	HGC_27con	HGC_27004	OK	5.5591	4.25317	-0.386313	0.3341
BIRC7	HGC_27con	HGC_27004	OK	0.38374	0.29362	-0.386162	0.692
C10orf107	HGC_27con	HGC_27004	OK	1.1859	0.90756	-0.385907	0.5597
TCF25	HGC_27con	HGC_27004	OK	51.7028	39.5719	-0.385766	0.1511
APBB3	HGC_27con	HGC_27004	OK	6.68789	5.11884	-0.385734	0.6537
ACTN4	HGC_27con	HGC_27004	OK	42.8499	32.8021	-0.385503	0.139
IFT88	HGC_27con	HGC_27004	OK	3.26387	2.49873	-0.385387	0.319
RPP25L	HGC_27con	HGC_27004	OK	33.2019	25.4186	-0.385379	0.2612
PYROXD2	HGC_27con	HGC_27004	OK	6.52924	5.00152	-0.384548	0.3184
RRS1-AS1	HGC_27con	HGC_27004	NOTEST	0.02834	0.02171	-0.384539	1
ERG	HGC_27con	HGC_27004	OK	0.6995	0.53584	-0.384523	0.5323
LINC01389	HGC_27con	HGC_27004	OK	0.50035	0.38342	-0.384025	0.849
LDHAL6A	HGC_27con	HGC_27004	NOTEST	0.07342	0.05627	-0.38387	1
KLHL17	HGC_27con	HGC_27004	OK	7.63792	5.85359	-0.383858	0.3066
PLD3	HGC_27con	HGC_27004	OK	58.0008	44.4558	-0.383701	0.1747
SH3BP4	HGC_27con	HGC_27004	OK	8.33466	6.38869	-0.383603	0.2061
CYP2U1	HGC_27con	HGC_27004	OK	1.55618	1.19298	-0.383444	0.5342

DERL3	HGC_27con	HGC_27004	NOTEST	0.05042	0.03866	-0.383238	1
CDIPT-AS1	HGC_27con	HGC_27004	OK	1.11061	0.85157	-0.383154	0.6471
RPL23	HGC_27con	HGC_27004	OK	1727.32	1324.54	-0.383039	0.1321
TTC6	HGC_27con	HGC_27004	NOTEST	0.01761	0.01351	-0.382861	1
USP46-AS1	HGC_27con	HGC_27004	OK	3.6735	2.81733	-0.382826	0.5191
QSOX1	HGC_27con	HGC_27004	OK	19.0189	14.5885	-0.3826	0.1952
ABCC6P2	HGC_27con	HGC_27004	OK	0.65374	0.50149	-0.3825	0.6926
NLGN3	HGC_27con	HGC_27004	OK	1.09601	0.84088	-0.382292	0.4728
ABCA9	HGC_27con	HGC_27004	NOTEST	0.01895	0.01454	-0.382289	1
UNC5CL	HGC_27con	HGC_27004	OK	0.5492	0.42138	-0.382211	0.5834
NPDC1	HGC_27con	HGC_27004	OK	59.4132	45.5891	-0.382095	0.1865
DHPS	HGC_27con	HGC_27004	OK	67.6138	51.8832	-0.382051	0.3416
CSAG4	HGC_27con	HGC_27004	OK	0.5622	0.43147	-0.381829	0.7545
DNAJC3-AS1	HGC_27con	HGC_27004	OK	1.62516	1.24733	-0.381743	0.4433
ABHD16B	HGC_27con	HGC_27004	OK	4.17069	3.20114	-0.3817	0.495
PITPNA-AS1	HGC_27con	HGC_27004	OK	7.75647	5.95348	-0.381666	0.7027
SPATA3-AS1	HGC_27con	HGC_27004	NOTEST	0.04448	0.03414	-0.381613	1
HIST1H3I	HGC_27con	HGC_27004	OK	1.13633	0.87223	-0.381592	0.7587
PP7080	HGC_27con	HGC_27004	OK	16.1537	12.3998	-0.381552	0.2606
RPL13A	HGC_27con	HGC_27004	OK	825.349	633.566	-0.381508	0.3247
HLA-E	HGC_27con	HGC_27004	OK	32.4357	24.9021	-0.381315	0.1654
GLTSCR1L	HGC_27con	HGC_27004	OK	3.13102	2.40392	-0.381244	0.2743
GATA4	HGC_27con	HGC_27004	OK	5.51813	4.23677	-0.381213	0.2932
DNAJC30	HGC_27con	HGC_27004	OK	8.4257	6.47086	-0.38084	0.2833
ZNF789	HGC_27con	HGC_27004	OK	4.22588	3.24562	-0.380759	0.5816
C21orf59	HGC_27con	HGC_27004	OK	18.104	13.9063	-0.380572	0.216
CHST12	HGC_27con	HGC_27004	OK	12.8016	9.83532	-0.380274	0.2621
SPAG4	HGC_27con	HGC_27004	OK	1.89641	1.457	-0.380267	0.5519
LOC100287015	HGC_27con	HGC_27004	OK	0.82956	0.63739	-0.380179	0.5701
ZNF554	HGC_27con	HGC_27004	OK	1.45867	1.12079	-0.380146	0.4318
LOC100130691	HGC_27con	HGC_27004	OK	0.55555	0.42689	-0.380031	0.5155
CPLX1	HGC_27con	HGC_27004	OK	3.11111	2.39166	-0.379413	0.4821
ZNF449	HGC_27con	HGC_27004	OK	1.15417	0.88734	-0.379299	0.4609
ZNF316	HGC_27con	HGC_27004	OK	11.0484	8.49422	-0.379286	0.1835
MAP3K14-AS1	HGC_27con	HGC_27004	OK	4.50443	3.46313	-0.37927	0.6105
UBE2H	HGC_27con	HGC_27004	OK	32.9809	25.36	-0.379077	0.1459
RUNX1T1	HGC_27con	HGC_27004	OK	3.62785	2.78975	-0.37898	0.2273
SLC39A3	HGC_27con	HGC_27004	OK	27.8996	21.4544	-0.378968	0.2284
ITGA5	HGC_27con	HGC_27004	OK	20.3156	15.6234	-0.378887	0.2743
PDE9A	HGC_27con	HGC_27004	OK	3.12968	2.40716	-0.378683	0.401
CCDC183-AS1	HGC_27con	HGC_27004	OK	1.39135	1.07016	-0.378663	0.8215
RGS11	HGC_27con	HGC_27004	NOTEST	0.10375	0.0798	-0.378613	1
CHRNB1	HGC_27con	HGC_27004	OK	0.89721	0.69014	-0.378554	0.5535
HSD17B7P2	HGC_27con	HGC_27004	OK	3.48989	2.68465	-0.378443	0.4693
LOXL1	HGC_27con	HGC_27004	OK	65.8135	50.6375	-0.378178	0.1893
MICAL2	HGC_27con	HGC_27004	OK	0.66658	0.51289	-0.378122	0.4985
DFFB	HGC_27con	HGC_27004	OK	2.97464	2.28913	-0.377918	0.3941
LOC100506207	HGC_27con	HGC_27004	OK	3.35175	2.5798	-0.377656	0.5201
GGA1	HGC_27con	HGC_27004	OK	23.78	18.3032	-0.377652	0.1764
LOC101927588	HGC_27con	HGC_27004	NOTEST	0.2883	0.22191	-0.377608	1
IFI35	HGC_27con	HGC_27004	OK	17.0347	13.1121	-0.377573	0.262
LINC00982	HGC_27con	HGC_27004	OK	9.89164	7.6139	-0.377573	0.5326
LNX1	HGC_27con	HGC_27004	OK	0.63298	0.48728	-0.377411	0.5531
PINK1-AS	HGC_27con	HGC_27004	OK	4.38652	3.37716	-0.377265	0.7372

GOLGA1	HGC_27con	HGC_27004	OK	5.14528	3.96149	-0.377204	0.2324
PRCP	HGC_27con	HGC_27004	OK	36.9987	28.4938	-0.376827	0.1812
EFHD1	HGC_27con	HGC_27004	OK	97.5271	75.1089	-0.37682	0.1558
RIN3	HGC_27con	HGC_27004	OK	1.24716	0.96049	-0.376812	0.4909
MAGEH1	HGC_27con	HGC_27004	OK	5.75285	4.43086	-0.376691	0.4067
KLHL21	HGC_27con	HGC_27004	OK	23.2603	17.9159	-0.376625	0.1742
C9orf47	HGC_27con	HGC_27004	NOTEST	0.06685	0.05149	-0.376546	1
ZNF528	HGC_27con	HGC_27004	OK	1.36306	1.05009	-0.376341	0.4288
ZNF883	HGC_27con	HGC_27004	NOTEST	0.17567	0.13535	-0.376125	1
WWC2	HGC_27con	HGC_27004	OK	7.92234	6.10493	-0.375952	0.178
LOC100506603	HGC_27con	HGC_27004	OK	5.53306	4.26466	-0.375647	0.407
CKB	HGC_27con	HGC_27004	OK	451.607	348.106	-0.375539	0.1471
SIRT2	HGC_27con	HGC_27004	OK	16.5801	12.7822	-0.375311	0.2735
IPO5P1	HGC_27con	HGC_27004	OK	1.76273	1.35895	-0.375311	0.3631
HES6	HGC_27con	HGC_27004	OK	12.8873	9.93565	-0.375262	0.3152
LINC01234	HGC_27con	HGC_27004	OK	4.6872	3.61475	-0.374831	0.3123
TPK1	HGC_27con	HGC_27004	OK	1.87067	1.44268	-0.374802	0.4729
FYCO1	HGC_27con	HGC_27004	OK	2.65824	2.05021	-0.3747	0.2397
CX3CL1	HGC_27con	HGC_27004	NOTEST	0.14704	0.11341	-0.374603	1
COX6B2	HGC_27con	HGC_27004	OK	0.97645	0.75316	-0.374589	0.6065
LOC102724814	HGC_27con	HGC_27004	OK	6.22537	4.80267	-0.374323	0.4227
HIST1H1C	HGC_27con	HGC_27004	OK	9.05378	6.98548	-0.374162	0.4692
FZD2	HGC_27con	HGC_27004	OK	15.4663	11.9349	-0.373933	0.2134
C7orf13	HGC_27con	HGC_27004	OK	0.57946	0.4472	-0.373807	0.6231
PAPPA	HGC_27con	HGC_27004	NOTEST	0.02631	0.02031	-0.373725	1
TRAK1	HGC_27con	HGC_27004	OK	5.58982	4.31442	-0.373635	0.2286
FBXO46	HGC_27con	HGC_27004	OK	5.53322	4.27167	-0.37332	0.3209
SSTR2	HGC_27con	HGC_27004	NOTEST	0.05436	0.04197	-0.373118	1
THAP3	HGC_27con	HGC_27004	OK	6.03571	4.66033	-0.373092	0.723
PABPC1L	HGC_27con	HGC_27004	OK	9.52418	7.35429	-0.373008	0.288
MTG2	HGC_27con	HGC_27004	OK	9.83021	7.59254	-0.37264	0.2466
ARHGDIG	HGC_27con	HGC_27004	OK	11.6262	8.97986	-0.37261	0.4039
SULF2	HGC_27con	HGC_27004	OK	18.6645	14.4165	-0.372579	0.1657
RASA4B	HGC_27con	HGC_27004	NOTEST	0.29763	0.22993	-0.372367	1
NRP2	HGC_27con	HGC_27004	OK	2.61682	2.02182	-0.372158	0.3155
LINC00476	HGC_27con	HGC_27004	OK	7.14087	5.5173	-0.372138	0.6681
C9orf114	HGC_27con	HGC_27004	OK	9.40844	7.27079	-0.371843	0.2335
SPPL2B	HGC_27con	HGC_27004	OK	23.3422	18.0401	-0.37173	0.1816
PPP2R3A	HGC_27con	HGC_27004	OK	0.66036	0.51037	-0.371724	0.4958
SH3BGRL2	HGC_27con	HGC_27004	OK	3.42304	2.64557	-0.371703	0.3021
LOC100506371	HGC_27con	HGC_27004	OK	1.17002	0.90429	-0.371681	0.6446
SAT2	HGC_27con	HGC_27004	OK	41.978	32.4444	-0.371665	0.3935
GAA	HGC_27con	HGC_27004	OK	47.4696	36.6909	-0.371582	0.1576
ACOX3	HGC_27con	HGC_27004	OK	3.2073	2.47942	-0.37136	0.3979
NADSYN1	HGC_27con	HGC_27004	OK	11.3539	8.77761	-0.371294	0.2301
NDNF	HGC_27con	HGC_27004	OK	1.7583	1.35932	-0.371293	0.455
PCYOX1L	HGC_27con	HGC_27004	OK	11.9341	9.22704	-0.371149	0.2363
SBSN	HGC_27con	HGC_27004	NOTEST	0.04208	0.03253	-0.371121	1
KIAA0825	HGC_27con	HGC_27004	OK	0.7099	0.5489	-0.37107	0.6071
ZBTB7B	HGC_27con	HGC_27004	OK	28.1925	21.7993	-0.371024	0.1701
STAT6	HGC_27con	HGC_27004	OK	36.3805	28.1319	-0.370956	0.2021
TSSK3	HGC_27con	HGC_27004	OK	2.96761	2.29481	-0.370925	0.5157
CCDC74A	HGC_27con	HGC_27004	OK	6.54351	5.06304	-0.37006	0.6938
SIAE	HGC_27con	HGC_27004	OK	15.3708	11.8939	-0.369968	0.3749

TBC1D8	HGC_27con	HGC_27004	OK	4.12508	3.19281	-0.369592	0.8194
GBP4	HGC_27con	HGC_27004	NOTEST	0.06803	0.05265	-0.369585	1
TP53INP2	HGC_27con	HGC_27004	OK	17.4208	13.4839	-0.369578	0.194
SMAD3	HGC_27con	HGC_27004	OK	10.2574	7.94184	-0.369117	0.1864
C5orf17	HGC_27con	HGC_27004	OK	1.14365	0.88573	-0.368705	0.5485
RHBDL3	HGC_27con	HGC_27004	OK	1.15125	0.89164	-0.368679	0.4519
ABHD3	HGC_27con	HGC_27004	OK	3.70806	2.87194	-0.36864	0.4384
SEPT4	HGC_27con	HGC_27004	OK	1.01802	0.7885	-0.36859	0.5799
TPH1	HGC_27con	HGC_27004	NOTEST	0.07232	0.05603	-0.368328	1
COA4	HGC_27con	HGC_27004	OK	41.3454	32.0299	-0.368307	0.3702
TMEM187	HGC_27con	HGC_27004	OK	10.6922	8.28403	-0.368156	0.3792
CCER2	HGC_27con	HGC_27004	NOTEST	0.15611	0.12095	-0.36815	1
LZTFL1	HGC_27con	HGC_27004	OK	4.06672	3.15087	-0.368113	0.3006
LDLR	HGC_27con	HGC_27004	OK	24.9053	19.2976	-0.368032	0.1679
SEPT5-GP1BB	HGC_27con	HGC_27004	OK	19.5732	15.1674	-0.367906	0.2833
EPHB3	HGC_27con	HGC_27004	OK	7.02333	5.44267	-0.367839	0.2545
KIAA1462	HGC_27con	HGC_27004	OK	3.76658	2.91925	-0.367657	0.2215
RWDD2B	HGC_27con	HGC_27004	OK	21.8666	16.948	-0.367615	0.2305
AHR	HGC_27con	HGC_27004	OK	13.8268	10.7168	-0.367595	0.1911
PIH1D1	HGC_27con	HGC_27004	OK	23.8749	18.5061	-0.367494	0.2487
PHKA2	HGC_27con	HGC_27004	OK	5.8074	4.50164	-0.367441	0.2328
MAGI1	HGC_27con	HGC_27004	OK	2.70549	2.09763	-0.367125	0.2637
TTC23	HGC_27con	HGC_27004	OK	4.37434	3.39163	-0.367088	0.276
TMCC1-AS1	HGC_27con	HGC_27004	OK	1.95249	1.51394	-0.367008	0.4052
MPG	HGC_27con	HGC_27004	OK	72.6341	56.3354	-0.366605	0.3646
IL27RA	HGC_27con	HGC_27004	OK	11.5711	8.97492	-0.36655	0.2464
BLOC1S4	HGC_27con	HGC_27004	OK	7.80626	6.05483	-0.366545	0.3916
GAS2L1	HGC_27con	HGC_27004	OK	14.0937	10.9317	-0.366533	0.2604
NUP35	HGC_27con	HGC_27004	OK	13.3849	10.3825	-0.366447	0.2809
NR4A2	HGC_27con	HGC_27004	OK	0.71053	0.55119	-0.36636	0.5562
ALKBH6	HGC_27con	HGC_27004	OK	22.6071	17.5437	-0.36582	0.2877
HSD3B7	HGC_27con	HGC_27004	OK	7.29648	5.66415	-0.365341	0.3237
EPB41L4A-AS1	HGC_27con	HGC_27004	OK	51.4484	39.9389	-0.36533	0.2074
MIB2	HGC_27con	HGC_27004	OK	15.613	12.1204	-0.365315	0.2169
SLC22A5	HGC_27con	HGC_27004	OK	2.74981	2.13525	-0.364924	0.4281
PRAC1	HGC_27con	HGC_27004	OK	262.071	203.502	-0.364917	0.2264
IMMP2L	HGC_27con	HGC_27004	OK	8.55595	6.644	-0.364878	0.5719
TPRA1	HGC_27con	HGC_27004	OK	19.3591	15.0333	-0.364848	0.2576
MRPL53	HGC_27con	HGC_27004	OK	112.893	87.6819	-0.364601	0.2193
TMEM45A	HGC_27con	HGC_27004	OK	15.9369	12.3781	-0.364578	0.2926
MKL2	HGC_27con	HGC_27004	OK	7.35238	5.71058	-0.364575	0.1925
LCAT	HGC_27con	HGC_27004	OK	2.24878	1.74682	-0.364413	0.7589
PEX6	HGC_27con	HGC_27004	OK	11.7507	9.12778	-0.364404	0.222
SLC29A4	HGC_27con	HGC_27004	OK	12.2377	9.50644	-0.364359	0.2683
LINC01106	HGC_27con	HGC_27004	NOTEST	0.12847	0.0998	-0.364309	1
LINC00467	HGC_27con	HGC_27004	OK	3.64011	2.82799	-0.364207	0.5135
PPP1R12C	HGC_27con	HGC_27004	OK	9.33745	7.25473	-0.364107	0.2424
ZFHX3	HGC_27con	HGC_27004	OK	5.44598	4.23142	-0.364049	0.189
ZNF558	HGC_27con	HGC_27004	OK	6.93975	5.39218	-0.364016	0.2505
CASS4	HGC_27con	HGC_27004	NOTEST	0.04104	0.03189	-0.363878	1
C1orf101	HGC_27con	HGC_27004	NOTEST	0.04179	0.03247	-0.363707	1
CDR2L	HGC_27con	HGC_27004	OK	13.1868	10.2513	-0.363295	0.2258
URAHP	HGC_27con	HGC_27004	OK	6.30971	4.90509	-0.363293	0.6556
TUBB6	HGC_27con	HGC_27004	OK	0.71035	0.5523	-0.363075	0.8458

IRF2BPL	HGC_27con	HGC_27004	OK	34.9883	27.2066	-0.362916	0.1875
PLEKHA8P1	HGC_27con	HGC_27004	OK	1.96541	1.52831	-0.362897	0.8385
STARD3	HGC_27con	HGC_27004	OK	12.675	9.85727	-0.362728	0.2362
ARHGEF17	HGC_27con	HGC_27004	OK	8.32149	6.47166	-0.362705	0.2074
CCDC85B	HGC_27con	HGC_27004	OK	81.1309	63.1112	-0.362356	0.2054
LINC00471	HGC_27con	HGC_27004	OK	0.34524	0.26863	-0.361964	0.7011
VWA5B2	HGC_27con	HGC_27004	NOTEST	0.08212	0.0639	-0.361872	1
NSUN5P2	HGC_27con	HGC_27004	OK	5.50344	4.28318	-0.361651	0.7466
S100A5	HGC_27con	HGC_27004	NOTEST	0.22371	0.17411	-0.361584	1
NKRD62P1-PARP4P	HGC_27con	HGC_27004	NOTEST	0.07005	0.05452	-0.361579	1
SERTAD4-AS1	HGC_27con	HGC_27004	OK	0.94169	0.73295	-0.361535	0.8287
LCN12	HGC_27con	HGC_27004	OK	0.57359	0.44648	-0.361421	0.7643
PTCH1	HGC_27con	HGC_27004	OK	11.4356	8.90191	-0.361341	0.2003
SMPDL3B	HGC_27con	HGC_27004	OK	1.04269	0.81175	-0.361194	0.5744
ZBTB22	HGC_27con	HGC_27004	OK	6.80661	5.2998	-0.360997	0.2859
ABHD14A-ACY1	HGC_27con	HGC_27004	OK	1.68746	1.31396	-0.360934	0.7979
AOC2	HGC_27con	HGC_27004	OK	2.00352	1.56031	-0.360702	0.4773
WIBG	HGC_27con	HGC_27004	OK	20.3846	15.8759	-0.360642	0.2484
SLC25A5-AS1	HGC_27con	HGC_27004	OK	0.5668	0.44153	-0.360303	0.883
IGFBP6	HGC_27con	HGC_27004	OK	21.724	16.9238	-0.360238	0.3159
FGFR2	HGC_27con	HGC_27004	OK	15.1937	11.8391	-0.359916	0.1943
PCOLCE	HGC_27con	HGC_27004	OK	520.547	405.659	-0.35976	0.161
VASP	HGC_27con	HGC_27004	OK	12.4564	9.70746	-0.359717	0.2481
AMIGO3	HGC_27con	HGC_27004	OK	3.6525	2.84751	-0.359182	0.6869
APOLD1	HGC_27con	HGC_27004	OK	2.21957	1.73043	-0.359156	0.3792
DENND6B	HGC_27con	HGC_27004	OK	3.92404	3.06008	-0.358769	0.4594
CTD-2151A2.1	HGC_27con	HGC_27004	OK	1.54033	1.20137	-0.358566	0.6217
WDR54	HGC_27con	HGC_27004	OK	22.4562	17.5164	-0.358405	0.2901
PAXBP1-AS1	HGC_27con	HGC_27004	OK	0.55168	0.43035	-0.358344	0.8236
MIR4697HG	HGC_27con	HGC_27004	OK	0.3862	0.30128	-0.35824	0.5618
PBLD	HGC_27con	HGC_27004	OK	3.14519	2.45388	-0.358087	0.7944
GNG4	HGC_27con	HGC_27004	OK	1.01398	0.79123	-0.357865	0.7119
ZSCAN2	HGC_27con	HGC_27004	OK	3.29299	2.5696	-0.357851	0.5059
LMTK3	HGC_27con	HGC_27004	OK	1.69682	1.32435	-0.357549	0.427
DZANK1	HGC_27con	HGC_27004	OK	0.35698	0.27863	-0.357515	0.6054
TPPP	HGC_27con	HGC_27004	OK	1.38714	1.08298	-0.357104	0.4176
FAM160B1	HGC_27con	HGC_27004	OK	3.41749	2.66865	-0.356828	0.3032
LRRIQ1	HGC_27con	HGC_27004	NOTEST	0.15517	0.12118	-0.356654	1
PIBF1	HGC_27con	HGC_27004	OK	4.4922	3.50841	-0.356602	0.6481
NEU1	HGC_27con	HGC_27004	OK	25.0916	19.5982	-0.356486	0.2299
HEMK1	HGC_27con	HGC_27004	OK	2.15087	1.68004	-0.356428	0.3584
LOC100507346	HGC_27con	HGC_27004	OK	2.59687	2.02845	-0.356396	0.7644
LINC00371	HGC_27con	HGC_27004	NOTEST	0.16079	0.1256	-0.356245	1
AREL1	HGC_27con	HGC_27004	OK	14.2421	11.1274	-0.356048	0.1995
OR8B12	HGC_27con	HGC_27004	OK	0.3538	0.27643	-0.356001	0.7922
IGFBP2	HGC_27con	HGC_27004	OK	89.2033	69.7116	-0.3557	0.2038
TMEM175	HGC_27con	HGC_27004	OK	15.0378	11.7524	-0.355631	0.61
TBX5	HGC_27con	HGC_27004	OK	1.37432	1.07417	-0.355495	0.4927
LOC284023	HGC_27con	HGC_27004	OK	2.45925	1.92233	-0.355357	0.4825
PLIN3	HGC_27con	HGC_27004	OK	19.419	15.1829	-0.355021	0.2232
LIMCH1	HGC_27con	HGC_27004	OK	2.12024	1.6578	-0.354959	0.3157
LOC101928137	HGC_27con	HGC_27004	OK	5.23886	4.09646	-0.354874	0.4954
ERICH2	HGC_27con	HGC_27004	OK	15.5986	12.1972	-0.354866	0.4075
PDLIM7	HGC_27con	HGC_27004	OK	54.4904	42.6155	-0.354623	0.2385

HNRNPUL2-BSCL2	HGC_27con	HGC_27004	OK	18.2587	14.2832	-0.354261	0.3938
PVRL1	HGC_27con	HGC_27004	OK	9.11407	7.1315	-0.353889	0.3065
PLEKHG3	HGC_27con	HGC_27004	OK	8.76158	6.85676	-0.353664	0.2343
SLC38A10	HGC_27con	HGC_27004	OK	38.9328	30.4687	-0.353656	0.1885
ADAMTS9	HGC_27con	HGC_27004	OK	2.10778	1.64977	-0.353458	0.3095
SLC2A12	HGC_27con	HGC_27004	OK	0.42874	0.33558	-0.353444	0.5745
HBA1	HGC_27con	HGC_27004	OK	2.88211	2.2559	-0.353423	0.6484
MGC72080	HGC_27con	HGC_27004	OK	12.5494	9.82366	-0.353281	0.4407
WWTR1	HGC_27con	HGC_27004	OK	10.1116	7.91741	-0.352905	0.2185
RPLPOP2	HGC_27con	HGC_27004	OK	0.96803	0.75802	-0.352808	0.52
OR8A1	HGC_27con	HGC_27004	OK	1.70419	1.3346	-0.352676	0.6383
PASK	HGC_27con	HGC_27004	OK	3.57248	2.79825	-0.352401	0.543
OXCT2	HGC_27con	HGC_27004	NOTEST	0.14245	0.11158	-0.35232	1
KIAA0895	HGC_27con	HGC_27004	OK	6.23732	4.88614	-0.352231	0.6381
GPR82	HGC_27con	HGC_27004	NOTEST	0.04298	0.03367	-0.352139	1
CRB2	HGC_27con	HGC_27004	NOTEST	0.23393	0.18329	-0.351979	1
HSD17B1	HGC_27con	HGC_27004	OK	5.36339	4.20253	-0.351888	0.3797
TMEM159	HGC_27con	HGC_27004	OK	16.7346	13.1139	-0.351739	0.2819
PRR22	HGC_27con	HGC_27004	OK	10.5609	8.27599	-0.351735	0.4071
TAX1BP3	HGC_27con	HGC_27004	OK	23.8947	18.728	-0.351492	0.4122
SERTAD1	HGC_27con	HGC_27004	OK	6.27888	4.92195	-0.351277	0.4446
LOC729970	HGC_27con	HGC_27004	OK	0.97402	0.76353	-0.351277	0.6427
NOG	HGC_27con	HGC_27004	OK	8.60817	6.74803	-0.351241	0.3761
TESK2	HGC_27con	HGC_27004	OK	1.58133	1.23977	-0.351067	0.7281
SLC12A7	HGC_27con	HGC_27004	OK	21.5827	16.9238	-0.350824	0.1962
LINC01410	HGC_27con	HGC_27004	OK	6.92658	5.43243	-0.350545	0.3108
PSD4	HGC_27con	HGC_27004	NOTEST	0.08122	0.0637	-0.350425	1
GABARAPL1	HGC_27con	HGC_27004	OK	8.58271	6.73215	-0.350366	0.3139
S100A4	HGC_27con	HGC_27004	OK	248.916	195.248	-0.350353	0.2009
MAFA	HGC_27con	HGC_27004	OK	9.69723	7.60701	-0.350242	0.3438
RPL21P44	HGC_27con	HGC_27004	NOTEST	0.1478	0.11598	-0.349826	1
GMDS	HGC_27con	HGC_27004	OK	8.50413	6.67376	-0.349664	0.3331
ZNF724P	HGC_27con	HGC_27004	OK	1.37555	1.07958	-0.349537	0.6802
DUSP5P1	HGC_27con	HGC_27004	OK	3.70188	2.90541	-0.349512	0.5402
NELL2	HGC_27con	HGC_27004	OK	147.904	116.095	-0.349358	0.1768
ACSL1	HGC_27con	HGC_27004	OK	37.414	29.3691	-0.349278	0.1849
TARID	HGC_27con	HGC_27004	OK	0.56194	0.44111	-0.349263	0.8422
ASAH2B	HGC_27con	HGC_27004	NOTEST	0.3021	0.23716	-0.349147	1
TOMM7	HGC_27con	HGC_27004	OK	225.253	176.841	-0.349094	0.1948
FIS1	HGC_27con	HGC_27004	OK	85.4067	67.052	-0.34907	0.2321
PCDHGA10	HGC_27con	HGC_27004	OK	1.74552	1.37042	-0.349044	0.7384
ASPHD1	HGC_27con	HGC_27004	OK	12.3022	9.65852	-0.34904	0.3002
MRPS21	HGC_27con	HGC_27004	OK	71.0787	55.8048	-0.349028	0.1986
CRELD1	HGC_27con	HGC_27004	OK	17.7092	13.9038	-0.349014	0.2378
RSRP1	HGC_27con	HGC_27004	OK	16.4233	12.8943	-0.349013	0.2975
MZF1	HGC_27con	HGC_27004	OK	8.31902	6.53207	-0.348873	0.3478
SEMA6A-AS1	HGC_27con	HGC_27004	OK	4.30165	3.37787	-0.348777	0.8072
RASA4CP	HGC_27con	HGC_27004	OK	0.40478	0.31791	-0.34855	0.6917
IFT122	HGC_27con	HGC_27004	OK	5.30103	4.16384	-0.348361	0.4222
ZNF57	HGC_27con	HGC_27004	OK	3.45059	2.71037	-0.348355	0.4224
SPATA20	HGC_27con	HGC_27004	OK	50.7528	39.867	-0.348293	0.1947
MGST2	HGC_27con	HGC_27004	OK	22.1664	17.4135	-0.348171	0.448
CACNG8	HGC_27con	HGC_27004	OK	0.55728	0.43789	-0.347821	0.4432
LBX1	HGC_27con	HGC_27004	OK	0.3672	0.28856	-0.347707	0.7584

EDEM3	HGC_27con	HGC_27004	OK	14.9796	11.772	-0.347644	0.2076
LDOC1	HGC_27con	HGC_27004	OK	9.03265	7.09856	-0.347622	0.4177
CD59	HGC_27con	HGC_27004	OK	4.93055	3.87483	-0.347614	0.2418
FAAP100	HGC_27con	HGC_27004	OK	6.69196	5.25912	-0.347605	0.3041
ARHGEF25	HGC_27con	HGC_27004	OK	6.70441	5.2696	-0.347418	0.3064
IL20RB	HGC_27con	HGC_27004	OK	0.5197	0.4085	-0.347351	0.6267
LINC01524	HGC_27con	HGC_27004	NOTEST	0.06548	0.05147	-0.347338	1
LIN37	HGC_27con	HGC_27004	OK	8.00159	6.29026	-0.347166	0.3867
ROBO3	HGC_27con	HGC_27004	OK	5.58459	4.39029	-0.347133	0.2851
BAIAP2-AS1	HGC_27con	HGC_27004	OK	3.30498	2.59839	-0.347027	0.3408
CSRNP3	HGC_27con	HGC_27004	NOTEST	0.1955	0.1537	-0.347017	1
LINC00667	HGC_27con	HGC_27004	OK	5.39209	4.24034	-0.346665	0.2956
UBE2E1-AS1	HGC_27con	HGC_27004	NOTEST	0.22229	0.17481	-0.346662	1
LIFR-AS1	HGC_27con	HGC_27004	OK	0.71147	0.55954	-0.346567	0.6892
IGSF8	HGC_27con	HGC_27004	OK	5.08819	4.00202	-0.346424	0.4043
DNASE2	HGC_27con	HGC_27004	OK	64.5629	50.7841	-0.346328	0.2014
PSENNEN	HGC_27con	HGC_27004	OK	74.0152	58.2242	-0.346202	0.2429
TLE4	HGC_27con	HGC_27004	OK	10.8022	8.49784	-0.346158	0.2254
GLYCTK	HGC_27con	HGC_27004	OK	1.96223	1.54368	-0.346118	0.5841
PIK3R1	HGC_27con	HGC_27004	OK	13.6452	10.7353	-0.34603	0.1971
ZNF461	HGC_27con	HGC_27004	OK	1.92707	1.51624	-0.345912	0.456
GLB1L2	HGC_27con	HGC_27004	OK	8.23968	6.48327	-0.345866	0.2847
FMOD	HGC_27con	HGC_27004	OK	2.04964	1.61273	-0.345865	0.4703
PCDHA8	HGC_27con	HGC_27004	NOTEST	0.27033	0.21274	-0.345587	1
SSR4	HGC_27con	HGC_27004	OK	440.596	346.772	-0.345469	0.2562
MAFF	HGC_27con	HGC_27004	OK	0.52321	0.41184	-0.345281	0.6181
GUSBP3	HGC_27con	HGC_27004	NOTEST	0.27821	0.21902	-0.345141	1
SEC11C	HGC_27con	HGC_27004	OK	39.3227	30.9599	-0.344961	0.2639
ABL1	HGC_27con	HGC_27004	OK	20.9295	16.4801	-0.34482	0.1854
PTRH1	HGC_27con	HGC_27004	OK	26.6253	20.9649	-0.34482	0.3762
C20orf96	HGC_27con	HGC_27004	OK	18.3606	14.4573	-0.344812	0.25
FTH1	HGC_27con	HGC_27004	OK	2908.69	2290.77	-0.344541	0.1936
C21orf140	HGC_27con	HGC_27004	OK	0.4631	0.36477	-0.344333	0.7074
GLI2	HGC_27con	HGC_27004	OK	6.72184	5.29526	-0.344155	0.2544
ELFN1	HGC_27con	HGC_27004	OK	11.1479	8.7833	-0.343933	0.271
NCSTN	HGC_27con	HGC_27004	OK	32.4267	25.5541	-0.343629	0.5648
LRP4	HGC_27con	HGC_27004	OK	2.90619	2.29082	-0.343263	0.288
PCYT2	HGC_27con	HGC_27004	OK	7.24882	5.71467	-0.343077	0.3023
MAML1	HGC_27con	HGC_27004	OK	13.3694	10.5418	-0.342816	0.2297
LOC101928650	HGC_27con	HGC_27004	OK	0.33944	0.26765	-0.342808	0.7615
LINC01125	HGC_27con	HGC_27004	OK	1.32807	1.0472	-0.342801	0.6147
PPIC	HGC_27con	HGC_27004	OK	14.2329	11.2234	-0.342727	0.3512
PARP8	HGC_27con	HGC_27004	OK	5.02938	3.96703	-0.342322	0.251
RPS27	HGC_27con	HGC_27004	OK	5264.1	4152.35	-0.34226	0.1865
RAP2C-AS1	HGC_27con	HGC_27004	OK	0.69768	0.55037	-0.342172	0.8596
TMEM151A	HGC_27con	HGC_27004	NOTEST	0.17375	0.13708	-0.341991	1
SERPINB9	HGC_27con	HGC_27004	NOTEST	0.08942	0.07056	-0.341825	1
ADAM8	HGC_27con	HGC_27004	OK	0.6666	0.52598	-0.341824	0.6133
ARC	HGC_27con	HGC_27004	OK	0.59692	0.47102	-0.341748	0.6224
CATSPER2	HGC_27con	HGC_27004	OK	0.97346	0.76823	-0.341575	0.6169
VPS37D	HGC_27con	HGC_27004	OK	7.04786	5.5622	-0.341528	0.4215
GEMIN8	HGC_27con	HGC_27004	OK	2.40233	1.89596	-0.341503	0.4488
TUBB4A	HGC_27con	HGC_27004	OK	6.784	5.35422	-0.341459	0.3698
MIR646HG	HGC_27con	HGC_27004	OK	0.92522	0.73031	-0.341277	0.5906

SMG1P7	HGC_27con	HGC_27004	OK	4.02143	3.17515	-0.340885	0.4601
PDCD4-AS1	HGC_27con	HGC_27004	OK	4.0034	3.16113	-0.340787	0.5045
SLC39A5	HGC_27con	HGC_27004	NOTEST	0.16482	0.13015	-0.340758	1
BIVM	HGC_27con	HGC_27004	OK	5.60619	4.42707	-0.340667	0.5173
MGAT1	HGC_27con	HGC_27004	OK	27.933	22.0588	-0.34062	0.2304
TMEM231	HGC_27con	HGC_27004	OK	7.38168	5.82941	-0.340601	0.3137
ARHGAP4	HGC_27con	HGC_27004	OK	2.07442	1.63833	-0.340477	0.4525
FAM86HP	HGC_27con	HGC_27004	OK	0.73234	0.57846	-0.340296	0.6239
ATF7IP2	HGC_27con	HGC_27004	OK	1.23267	0.97371	-0.340221	0.5131
RAB5C	HGC_27con	HGC_27004	OK	53.2552	42.0686	-0.340178	0.2164
RBAKDN	HGC_27con	HGC_27004	OK	0.86579	0.68393	-0.340158	0.7427
NRAV	HGC_27con	HGC_27004	OK	4.45191	3.51697	-0.340091	0.7879
HIST1H2AE	HGC_27con	HGC_27004	OK	1.36819	1.08086	-0.340085	0.724
SGCD	HGC_27con	HGC_27004	OK	1.22842	0.97076	-0.339612	0.592
MEGF9	HGC_27con	HGC_27004	OK	4.68123	3.69949	-0.339559	0.2854
ADGRG6	HGC_27con	HGC_27004	OK	1.3496	1.06656	-0.339559	0.4112
H2AFX	HGC_27con	HGC_27004	OK	90.4858	71.5157	-0.339431	0.2257
MYH11	HGC_27con	HGC_27004	NOTEST	0.28817	0.22777	-0.339349	1
TSPEAR-AS2	HGC_27con	HGC_27004	OK	1.2289	0.9714	-0.339219	0.7848
PARD6G-AS1	HGC_27con	HGC_27004	OK	0.88406	0.69888	-0.339114	0.8622
ACRC	HGC_27con	HGC_27004	OK	0.40815	0.32268	-0.338976	0.893
MTOR-AS1	HGC_27con	HGC_27004	OK	0.50046	0.39567	-0.338944	0.8616
DGCR11	HGC_27con	HGC_27004	OK	0.42982	0.33987	-0.338739	0.2319
D2HGDH	HGC_27con	HGC_27004	OK	14.0552	11.1169	-0.338351	0.283
LOC101928069	HGC_27con	HGC_27004	OK	5.34057	4.22426	-0.338297	0.8808
LOC101926933	HGC_27con	HGC_27004	NOTEST	0.22633	0.17906	-0.337969	1
LINC01138	HGC_27con	HGC_27004	OK	4.96681	3.93061	-0.337566	0.4304
SLC39A10	HGC_27con	HGC_27004	OK	7.69912	6.09342	-0.337441	0.2592
HSPBAP1	HGC_27con	HGC_27004	OK	2.23718	1.77071	-0.337353	0.5168
PTOV1-AS2	HGC_27con	HGC_27004	OK	6.22405	4.92665	-0.337247	0.7512
NDRG2	HGC_27con	HGC_27004	OK	6.3867	5.05573	-0.33715	0.6673
C10orf131	HGC_27con	HGC_27004	NOTEST	0.20346	0.16106	-0.337135	1
NAPA	HGC_27con	HGC_27004	OK	22.368	17.7068	-0.33713	0.2722
C9orf9	HGC_27con	HGC_27004	OK	6.92032	5.47831	-0.337108	0.5471
NFATC4	HGC_27con	HGC_27004	OK	16.5958	13.1383	-0.337043	0.2269
KCTD11	HGC_27con	HGC_27004	OK	2.36288	1.8709	-0.336817	0.4625
HADHB	HGC_27con	HGC_27004	OK	59.5372	47.1438	-0.336724	0.2128
LINC01492	HGC_27con	HGC_27004	NOTEST	0.14148	0.11203	-0.33667	1
ZNF567	HGC_27con	HGC_27004	OK	4.10809	3.25344	-0.336502	0.3471
PI4K2A	HGC_27con	HGC_27004	OK	17.8189	14.1125	-0.336435	0.2315
COL18A1	HGC_27con	HGC_27004	OK	4.26058	3.37462	-0.336325	0.3027
ITIH6	HGC_27con	HGC_27004	NOTEST	0.31749	0.25147	-0.336281	1
TENM2	HGC_27con	HGC_27004	OK	6.34288	5.02436	-0.336198	0.231
NEK11	HGC_27con	HGC_27004	OK	0.3592	0.28457	-0.336032	0.842
MSRB1	HGC_27con	HGC_27004	OK	21.5883	17.1033	-0.33598	0.3157
WNK4	HGC_27con	HGC_27004	OK	2.12947	1.68772	-0.33542	0.4322
GALM	HGC_27con	HGC_27004	OK	3.69573	2.92916	-0.335369	0.3916
LOC101927815	HGC_27con	HGC_27004	OK	2.63052	2.08507	-0.335251	0.6302
ZNF192P1	HGC_27con	HGC_27004	OK	1.31904	1.04569	-0.335026	0.5849
WDR86-AS1	HGC_27con	HGC_27004	OK	0.3413	0.27063	-0.334729	0.8095
NUP62	HGC_27con	HGC_27004	OK	22.1638	17.575	-0.33468	0.5314
ANKZF1	HGC_27con	HGC_27004	OK	9.56792	7.58739	-0.334602	0.3176
CCND2-AS1	HGC_27con	HGC_27004	OK	1.40091	1.11107	-0.33441	0.8863
MTRNR2L9	HGC_27con	HGC_27004	OK	22.5276	17.8673	-0.334375	0.4596

PHYKPL	HGC_27con	HGC_27004	OK	20.7681	16.4719	-0.334361	0.6856
TMEM115	HGC_27con	HGC_27004	OK	13.7537	10.9097	-0.334206	0.4288
CCDC176	HGC_27con	HGC_27004	OK	0.71546	0.56754	-0.334156	0.8395
HEXA	HGC_27con	HGC_27004	OK	28.1417	22.3254	-0.334025	0.2199
NUDT22	HGC_27con	HGC_27004	OK	32.5959	25.8607	-0.333928	0.313
FUCA1	HGC_27con	HGC_27004	OK	3.35589	2.66248	-0.333925	0.4575
S100A13	HGC_27con	HGC_27004	OK	92.5637	73.4421	-0.333838	0.4803
FLJ31104	HGC_27con	HGC_27004	NOTEST	0.25753	0.20437	-0.333608	1
MYH9	HGC_27con	HGC_27004	OK	43.4151	34.4525	-0.333586	0.1877
ZCCHC24	HGC_27con	HGC_27004	OK	11.8567	9.40986	-0.333461	0.2533
NDUFA2	HGC_27con	HGC_27004	OK	63.7039	50.5582	-0.333436	0.3676
FRS3	HGC_27con	HGC_27004	OK	2.33407	1.85274	-0.333187	0.5143
RUSC2	HGC_27con	HGC_27004	OK	4.99666	3.96648	-0.333105	0.2883
UBA1	HGC_27con	HGC_27004	OK	81.84	64.9694	-0.333047	0.2029
TK2	HGC_27con	HGC_27004	OK	6.35859	5.04976	-0.332493	0.2918
KDM7A	HGC_27con	HGC_27004	OK	1.56599	1.24375	-0.332376	0.3568
RAB30	HGC_27con	HGC_27004	OK	2.7122	2.15412	-0.332364	0.2994
XYLT2	HGC_27con	HGC_27004	OK	9.71487	7.71699	-0.332156	0.2807
C7orf55	HGC_27con	HGC_27004	OK	8.39237	6.66678	-0.332087	0.7932
SLC2A1-AS1	HGC_27con	HGC_27004	OK	1.11717	0.88748	-0.332065	0.5643
LINC01272	HGC_27con	HGC_27004	NOTEST	0.12493	0.09925	-0.332041	1
ASB14	HGC_27con	HGC_27004	OK	0.64844	0.51522	-0.331766	0.8328
LEPROT	HGC_27con	HGC_27004	OK	9.5954	7.62555	-0.331503	0.4169
CDK11A	HGC_27con	HGC_27004	OK	2.76576	2.19803	-0.331461	0.6858
G6PD	HGC_27con	HGC_27004	OK	21.9286	17.4309	-0.331165	0.3614
STX4	HGC_27con	HGC_27004	OK	24.5103	19.4858	-0.330964	0.2549
GAB3	HGC_27con	HGC_27004	NOTEST	0.25227	0.20056	-0.330929	1
MAFG-AS1	HGC_27con	HGC_27004	OK	9.94733	7.9084	-0.330925	0.3748
PGBD2	HGC_27con	HGC_27004	OK	3.16421	2.51572	-0.330874	0.4453
PCDHGA6	HGC_27con	HGC_27004	OK	1.06207	0.84444	-0.330813	0.8522
SATB2-AS1	HGC_27con	HGC_27004	NOTEST	0.06647	0.05285	-0.330684	1
GSTA4	HGC_27con	HGC_27004	OK	32.3961	25.7604	-0.33067	0.2677
HCN2	HGC_27con	HGC_27004	OK	14.7535	11.7336	-0.330422	0.2891
PARP12	HGC_27con	HGC_27004	OK	1.80843	1.43847	-0.330208	0.4994
KDM6B	HGC_27con	HGC_27004	OK	7.46235	5.93572	-0.330207	0.2664
CLHC1	HGC_27con	HGC_27004	OK	2.11924	1.68591	-0.330021	0.884
LINC00339	HGC_27con	HGC_27004	OK	14.7593	11.7418	-0.329962	0.3667
COL16A1	HGC_27con	HGC_27004	OK	36.9583	29.4035	-0.329907	0.2092
ZNF446	HGC_27con	HGC_27004	OK	5.19493	4.1331	-0.329881	0.402
NSUN5P1	HGC_27con	HGC_27004	OK	9.81662	7.81029	-0.32985	0.6186
ELF1	HGC_27con	HGC_27004	OK	9.13253	7.26684	-0.329686	0.2791
TMEM52	HGC_27con	HGC_27004	OK	5.48358	4.36341	-0.329662	0.5632
ZNF480	HGC_27con	HGC_27004	OK	1.75225	1.39448	-0.329486	0.4101
RNASE4	HGC_27con	HGC_27004	OK	5.49524	4.37331	-0.329457	0.495
LOC285847	HGC_27con	HGC_27004	NOTEST	0.26142	0.20805	-0.329424	1
PLEKHO2	HGC_27con	HGC_27004	OK	2.18329	1.73758	-0.32942	0.4491
CADM1	HGC_27con	HGC_27004	OK	13.5404	10.7765	-0.329387	0.2433
C15orf65	HGC_27con	HGC_27004	OK	3.2003	2.54712	-0.329344	0.6438
FAM41C	HGC_27con	HGC_27004	OK	1.56636	1.24681	-0.329172	0.6013
SYNM	HGC_27con	HGC_27004	OK	9.09863	7.24248	-0.329166	0.2246
HOTS	HGC_27con	HGC_27004	NOTEST	0.02087	0.01661	-0.329096	1
ITFG3	HGC_27con	HGC_27004	OK	28.3958	22.6047	-0.329053	0.2233
TTF1	HGC_27con	HGC_27004	OK	5.6009	4.45891	-0.328966	0.33
FBF1	HGC_27con	HGC_27004	OK	4.23649	3.37308	-0.328804	0.3442

S100A10	HGC_27con	HGC_27004	OK	63.2778	50.3827	-0.328771	0.2534
ABCA2	HGC_27con	HGC_27004	OK	17.7878	14.1643	-0.328624	0.2215
DHCR24	HGC_27con	HGC_27004	OK	33.4398	26.6281	-0.328618	0.2203
ZDHC1	HGC_27con	HGC_27004	OK	6.62958	5.28152	-0.327964	0.4338
TMEM161B-AS1	HGC_27con	HGC_27004	OK	1.72573	1.37488	-0.327905	0.5947
THBS3	HGC_27con	HGC_27004	OK	20.7375	16.5251	-0.327588	0.2333
MPV17L	HGC_27con	HGC_27004	NOTEST	0.11656	0.09289	-0.327456	1
NACC2	HGC_27con	HGC_27004	OK	6.28994	5.01296	-0.327382	0.2826
PIGQ	HGC_27con	HGC_27004	OK	14.5163	11.5705	-0.32722	0.2906
TRIB2	HGC_27con	HGC_27004	OK	4.56231	3.63673	-0.327123	0.3542
CPT1C	HGC_27con	HGC_27004	OK	0.45218	0.36053	-0.326765	0.6379
ULBP3	HGC_27con	HGC_27004	OK	0.63365	0.50525	-0.326695	0.7291
OTUB1	HGC_27con	HGC_27004	OK	39.175	31.24	-0.326537	0.2288
CTSD	HGC_27con	HGC_27004	OK	85.7862	68.4211	-0.326304	0.228
RILP	HGC_27con	HGC_27004	OK	3.43161	2.73698	-0.326298	0.5247
EIF2B5-AS1	HGC_27con	HGC_27004	OK	0.44348	0.35371	-0.326287	0.7718
GRIPAP1	HGC_27con	HGC_27004	OK	7.86901	6.27722	-0.326056	0.2864
SLC25A45	HGC_27con	HGC_27004	OK	8.23151	6.56682	-0.325963	0.3675
CHURC1-FNTB	HGC_27con	HGC_27004	OK	7.12773	5.68835	-0.325432	0.7247
RILPL2	HGC_27con	HGC_27004	OK	3.74479	2.98863	-0.325401	0.4611
LOC101928674	HGC_27con	HGC_27004	OK	0.47837	0.38178	-0.325394	0.7227
ZMAT5	HGC_27con	HGC_27004	OK	16.4175	13.1033	-0.325303	0.3993
TRIM51HP	HGC_27con	HGC_27004	OK	0.87514	0.69849	-0.325279	0.659
TRIM41	HGC_27con	HGC_27004	OK	19.4287	15.5075	-0.325228	0.237
SLC16A4	HGC_27con	HGC_27004	OK	12.5074	9.98382	-0.325119	0.3089
PABPC1P2	HGC_27con	HGC_27004	NOTEST	0.07488	0.05977	-0.325092	1
NAT9	HGC_27con	HGC_27004	OK	20.8712	16.6607	-0.325069	0.2664
EDEM2	HGC_27con	HGC_27004	OK	15.2947	12.2119	-0.324746	0.2951
MIEN1	HGC_27con	HGC_27004	OK	46.6425	37.243	-0.324677	0.305
MOAP1	HGC_27con	HGC_27004	OK	12.944	10.337	-0.324475	0.2941
ETV5	HGC_27con	HGC_27004	OK	0.88109	0.70369	-0.32436	0.5793
PHC2	HGC_27con	HGC_27004	OK	19.6521	15.6959	-0.324296	0.2745
SLC38A3	HGC_27con	HGC_27004	OK	3.20665	2.56115	-0.324273	0.4943
CASP4	HGC_27con	HGC_27004	OK	4.13078	3.29997	-0.323963	0.4805
ULK3	HGC_27con	HGC_27004	OK	14.0672	11.2386	-0.323869	0.2851
ZNF583	HGC_27con	HGC_27004	OK	0.89804	0.71756	-0.323693	0.5945
TMEM53	HGC_27con	HGC_27004	OK	3.69639	2.95353	-0.323676	0.4623
IZUMO4	HGC_27con	HGC_27004	OK	1.15174	0.9203	-0.323642	0.6754
TLE2	HGC_27con	HGC_27004	OK	43.2364	34.5539	-0.323397	0.2377
OAZ3	HGC_27con	HGC_27004	OK	12.3605	9.87906	-0.323286	0.7193
GIN1	HGC_27con	HGC_27004	OK	1.45625	1.16404	-0.323123	0.4967
LINC00645	HGC_27con	HGC_27004	NOTEST	0.08738	0.06985	-0.323107	1
PRODH	HGC_27con	HGC_27004	OK	5.67388	4.53544	-0.323093	0.3923
TGIF1	HGC_27con	HGC_27004	OK	11.805	9.43665	-0.323051	0.3645
ABCC9	HGC_27con	HGC_27004	OK	4.3817	3.50304	-0.322885	0.2783
PIK3C2A	HGC_27con	HGC_27004	OK	8.98242	7.18149	-0.322822	0.2461
WDR19	HGC_27con	HGC_27004	OK	4.08949	3.26966	-0.322778	0.4473
TSPAN9	HGC_27con	HGC_27004	OK	4.55325	3.64064	-0.322703	0.3289
SH3RF3	HGC_27con	HGC_27004	NOTEST	0.09277	0.07419	-0.322457	1
LOC400548	HGC_27con	HGC_27004	OK	0.42608	0.34075	-0.322417	0.6839
ZNF668	HGC_27con	HGC_27004	OK	15.2805	12.2203	-0.322414	0.3028
LOC100133331	HGC_27con	HGC_27004	OK	0.55513	0.44396	-0.322395	0.6238
GBA	HGC_27con	HGC_27004	OK	16.6979	13.355	-0.32229	0.2933
NUDT16	HGC_27con	HGC_27004	OK	4.86341	3.89013	-0.322148	0.6297

SYTL1	HGC_27con	HGC_27004	OK	8.03671	6.42962	-0.321872	0.3952
LUM	HGC_27con	HGC_27004	OK	72.3443	57.8806	-0.321799	0.2324
SNTA1	HGC_27con	HGC_27004	OK	19.4977	15.5996	-0.321797	0.2823
CTC-436P18.1	HGC_27con	HGC_27004	OK	0.98813	0.7906	-0.321753	0.8205
ACVR1C	HGC_27con	HGC_27004	NOTEST	0.017	0.0136	-0.321655	1
OSBPL2	HGC_27con	HGC_27004	OK	4.41235	3.53067	-0.321604	0.3451
RPARP-AS1	HGC_27con	HGC_27004	OK	14.0457	11.2395	-0.321555	0.375
CTBS	HGC_27con	HGC_27004	OK	9.46388	7.57315	-0.321539	0.6025
UBE4A	HGC_27con	HGC_27004	OK	17.6277	14.1071	-0.32142	0.4056
LOC100506606	HGC_27con	HGC_27004	OK	0.45379	0.36317	-0.321408	0.8305
LINC01060	HGC_27con	HGC_27004	OK	2.78397	2.22801	-0.321385	0.6582
GRK5	HGC_27con	HGC_27004	OK	4.14144	3.31442	-0.321376	0.3988
DSTN	HGC_27con	HGC_27004	OK	118.931	95.1858	-0.321308	0.2198
P3H1	HGC_27con	HGC_27004	OK	27.7265	22.1985	-0.320805	0.242
SMAD9	HGC_27con	HGC_27004	OK	9.37953	7.50978	-0.320744	0.2724
APLP2	HGC_27con	HGC_27004	OK	67.9343	54.3941	-0.320688	0.2103
SCARB1	HGC_27con	HGC_27004	OK	30.4619	24.391	-0.320659	0.2474
STARD13	HGC_27con	HGC_27004	OK	0.83147	0.66577	-0.320645	0.5267
CCDC22	HGC_27con	HGC_27004	OK	7.63037	6.11014	-0.320547	0.3571
POU6F2	HGC_27con	HGC_27004	OK	2.04011	1.63371	-0.320495	0.5587
FAM160A2	HGC_27con	HGC_27004	OK	8.61993	6.90316	-0.320419	0.3065
DDAH2	HGC_27con	HGC_27004	OK	28.0559	22.4708	-0.320255	0.2946
SH3BP1	HGC_27con	HGC_27004	OK	4.65738	3.73037	-0.320203	0.4248
HSPA1B	HGC_27con	HGC_27004	OK	7.13863	5.71797	-0.320142	0.367
UGT1A10	HGC_27con	HGC_27004	NOTEST	0.03998	0.03203	-0.32014	1
ACADSB	HGC_27con	HGC_27004	OK	1.78892	1.43297	-0.32008	0.4048
C11orf71	HGC_27con	HGC_27004	OK	6.20355	4.96922	-0.320073	0.6922
ZNF730	HGC_27con	HGC_27004	OK	0.82497	0.66083	-0.320068	0.6096
RUNX1	HGC_27con	HGC_27004	OK	6.58851	5.27777	-0.320023	0.2955
IFI6	HGC_27con	HGC_27004	OK	3.50343	2.80676	-0.319864	0.6316
SPINT1	HGC_27con	HGC_27004	NOTEST	0.07563	0.0606	-0.319797	1
CTNNBIP1	HGC_27con	HGC_27004	OK	10.9494	8.77317	-0.319677	0.3044
KLRK1	HGC_27con	HGC_27004	NOTEST	0.19201	0.15386	-0.319535	1
NGEF	HGC_27con	HGC_27004	NOTEST	0.17137	0.13734	-0.319333	1
ZFAT-AS1	HGC_27con	HGC_27004	OK	0.35699	0.28611	-0.319287	0.8211
ATAD1	HGC_27con	HGC_27004	NOTEST	0.30467	0.24418	-0.319265	1
RASD2	HGC_27con	HGC_27004	OK	3.77657	3.02706	-0.319156	0.4541
AKR7A2	HGC_27con	HGC_27004	OK	15.9258	12.7659	-0.319077	0.3012
P3H2-AS1	HGC_27con	HGC_27004	OK	1.37606	1.10306	-0.319033	0.6304
QKI	HGC_27con	HGC_27004	OK	18.0324	14.4563	-0.318899	0.229
BRE	HGC_27con	HGC_27004	OK	18.1911	14.5841	-0.318834	0.3144
PIGT	HGC_27con	HGC_27004	OK	80.0709	64.1954	-0.318808	0.2329
CHST7	HGC_27con	HGC_27004	OK	3.85428	3.09011	-0.318805	0.515
AAMDC	HGC_27con	HGC_27004	OK	16.426	13.1694	-0.31879	0.4773
TPT1-AS1	HGC_27con	HGC_27004	OK	3.39924	2.72547	-0.318704	0.5743
AGRN	HGC_27con	HGC_27004	OK	49.1732	39.4267	-0.318698	0.2174
LOC102606465	HGC_27con	HGC_27004	OK	4.31087	3.45656	-0.31864	0.5277
LINC01105	HGC_27con	HGC_27004	NOTEST	0.01353	0.01085	-0.318492	1
NYAP1	HGC_27con	HGC_27004	OK	0.7945	0.63713	-0.318452	0.5904
FAM95C	HGC_27con	HGC_27004	OK	2.14068	1.71684	-0.318316	0.5145
ZNF132	HGC_27con	HGC_27004	OK	0.46015	0.36909	-0.318127	0.6519
ERCC1	HGC_27con	HGC_27004	OK	37.6726	30.2188	-0.318071	0.3007
HEXIM1	HGC_27con	HGC_27004	OK	15.8302	12.6981	-0.318064	0.2495
TCTA	HGC_27con	HGC_27004	OK	8.1197	6.51353	-0.317987	0.3775

RNF144A-AS1	HGC_27con	HGC_27004	NOTEST	0.14746	0.11831	-0.31776	1
MEF2D	HGC_27con	HGC_27004	OK	9.14875	7.3415	-0.3175	0.2656
PDCD4	HGC_27con	HGC_27004	OK	24.5762	19.7229	-0.317393	0.2774
ZNF414	HGC_27con	HGC_27004	OK	16.4061	13.1665	-0.317355	0.3807
LOC729218	HGC_27con	HGC_27004	OK	4.58411	3.67918	-0.317254	0.3758
SEC14L2	HGC_27con	HGC_27004	OK	1.42508	1.14382	-0.317192	0.5669
AKAP6	HGC_27con	HGC_27004	OK	0.56393	0.45279	-0.316687	0.4746
GFRA1	HGC_27con	HGC_27004	NOTEST	0.20574	0.1652	-0.316639	1
C5orf45	HGC_27con	HGC_27004	OK	8.33166	6.68982	-0.316637	0.7716
UXT-AS1	HGC_27con	HGC_27004	OK	1.86628	1.49853	-0.316618	0.8509
BCL2L12	HGC_27con	HGC_27004	OK	12.9306	10.3833	-0.316526	0.5059
NUAK2	HGC_27con	HGC_27004	OK	0.38559	0.30967	-0.316304	0.6564
TIGD6	HGC_27con	HGC_27004	OK	1.99962	1.60595	-0.316298	0.6937
BCL2L1	HGC_27con	HGC_27004	OK	15.404	12.3714	-0.316294	0.3554
PLCE1	HGC_27con	HGC_27004	OK	13.3786	10.7449	-0.316275	0.2317
MITF	HGC_27con	HGC_27004	OK	6.49201	5.21414	-0.316236	0.3039
EXOSC6	HGC_27con	HGC_27004	OK	39.221	31.5027	-0.31615	0.2963
PHLPP1	HGC_27con	HGC_27004	OK	3.42784	2.75332	-0.316128	0.3487
GAS1	HGC_27con	HGC_27004	OK	14.4906	11.6399	-0.316035	0.3272
MIRLET7BHG	HGC_27con	HGC_27004	OK	2.32571	1.86823	-0.315997	0.4211
HHLA3	HGC_27con	HGC_27004	OK	13.1109	10.5322	-0.315952	0.4581
SNORA33	HGC_27con	HGC_27004	OK	77.0503	61.9012	-0.315834	0.8966
AMY2B	HGC_27con	HGC_27004	OK	1.15634	0.929	-0.31582	0.7183
PRNCR1	HGC_27con	HGC_27004	NOTEST	0.07477	0.06007	-0.315798	1
KIF7	HGC_27con	HGC_27004	OK	5.01322	4.02787	-0.315719	0.4574
KTI12	HGC_27con	HGC_27004	OK	9.6909	7.78617	-0.315717	0.6268
TUBB8	HGC_27con	HGC_27004	NOTEST	0.18009	0.1447	-0.315705	1
ADGRB2	HGC_27con	HGC_27004	OK	9.57685	7.69463	-0.3157	0.2851
LINC00969	HGC_27con	HGC_27004	OK	1.36731	1.09873	-0.315507	0.7575
CAPN1	HGC_27con	HGC_27004	OK	39.6727	31.8816	-0.315425	0.2365
APLP1	HGC_27con	HGC_27004	OK	27.6285	22.203	-0.315398	0.2667
MUM1	HGC_27con	HGC_27004	OK	16.7852	13.4896	-0.315347	0.2525
STK36	HGC_27con	HGC_27004	OK	7.08971	5.69775	-0.315333	0.3945
HIST1H2BK	HGC_27con	HGC_27004	OK	46.2318	37.1619	-0.315061	0.3185
CCR10	HGC_27con	HGC_27004	OK	29.5403	23.7457	-0.31502	0.3762
C8orf48	HGC_27con	HGC_27004	OK	2.12638	1.70966	-0.314686	0.5669
PKDCC	HGC_27con	HGC_27004	OK	2.84586	2.28821	-0.314642	0.5243
TMEM147-AS1	HGC_27con	HGC_27004	OK	11.9077	9.5746	-0.314613	0.6608
FAM222B	HGC_27con	HGC_27004	OK	4.68074	3.76393	-0.314498	0.3784
JAGN1	HGC_27con	HGC_27004	OK	36.5053	29.3593	-0.314287	0.2801
WASH3P	HGC_27con	HGC_27004	OK	2.63545	2.11988	-0.314067	0.4962
JAM3	HGC_27con	HGC_27004	OK	12.9811	10.443	-0.313873	0.2795
PTRHD1	HGC_27con	HGC_27004	OK	62.6716	50.4189	-0.313847	0.6161
CCDC102A	HGC_27con	HGC_27004	OK	9.9511	8.0061	-0.313757	0.3428
CAMSAP2	HGC_27con	HGC_27004	OK	15.5439	12.5058	-0.313744	0.2325
FIZ1	HGC_27con	HGC_27004	OK	6.73517	5.41888	-0.313721	0.4186
NBR1	HGC_27con	HGC_27004	OK	18.6117	14.9757	-0.313586	0.2341
ZNF25	HGC_27con	HGC_27004	OK	2.29901	1.8506	-0.313018	0.4417
CSNK1G2	HGC_27con	HGC_27004	OK	39.5031	31.8013	-0.312879	0.2436
PARP9	HGC_27con	HGC_27004	OK	0.99572	0.80166	-0.312749	0.6444
TXK	HGC_27con	HGC_27004	NOTEST	0.09431	0.07593	-0.312723	1
PTGFRN	HGC_27con	HGC_27004	OK	22.0268	17.7347	-0.312683	0.248
AGAP6	HGC_27con	HGC_27004	OK	3.1639	2.54745	-0.312649	0.4525
PRRX2	HGC_27con	HGC_27004	OK	69.4077	55.8854	-0.312626	0.2763

PCDHA12	HGC_27con	HGC_27004	OK	0.51318	0.41322	-0.31256	0.8364
WDR92	HGC_27con	HGC_27004	OK	7.08111	5.70202	-0.312501	0.3765
LOC729348	HGC_27con	HGC_27004	OK	27.7232	22.3249	-0.312441	0.2776
ARHGFE10L	HGC_27con	HGC_27004	OK	3.85044	3.10106	-0.312265	0.3713
PELI3	HGC_27con	HGC_27004	OK	3.91108	3.15024	-0.312104	0.7524
ROMO1	HGC_27con	HGC_27004	OK	131.506	105.926	-0.312066	0.4922
KIAA1456	HGC_27con	HGC_27004	OK	1.83895	1.48157	-0.311751	0.3605
CSRNP1	HGC_27con	HGC_27004	OK	1.4275	1.15009	-0.311751	0.5542
FAM111A	HGC_27con	HGC_27004	OK	2.25195	1.81436	-0.311713	0.4527
ABCA5	HGC_27con	HGC_27004	OK	1.81062	1.45888	-0.311627	0.3894
CAP2	HGC_27con	HGC_27004	OK	4.19978	3.38404	-0.311569	0.3986
MIATNB	HGC_27con	HGC_27004	OK	0.65793	0.53021	-0.311382	0.6828
CCDC88B	HGC_27con	HGC_27004	OK	1.56235	1.25934	-0.311053	0.4748
SUMF2	HGC_27con	HGC_27004	OK	89.7835	72.3707	-0.311044	0.2666
PPP1R9B	HGC_27con	HGC_27004	OK	20.7372	16.7156	-0.311032	0.2608
TMEM44-AS1	HGC_27con	HGC_27004	OK	3.8427	3.09755	-0.310995	0.6714
HDAC6	HGC_27con	HGC_27004	OK	7.57769	6.10843	-0.310956	0.3175
SMIM20	HGC_27con	HGC_27004	OK	21.5219	17.3496	-0.310903	0.3678
IDI2	HGC_27con	HGC_27004	OK	4.2556	3.43093	-0.310764	0.7786
ZNF785	HGC_27con	HGC_27004	OK	1.86867	1.50655	-0.310759	0.5216
KLK2	HGC_27con	HGC_27004	NOTEST	0.06309	0.05086	-0.310656	1
NTRK1	HGC_27con	HGC_27004	NOTEST	0.30742	0.24787	-0.3106	1
RIN2	HGC_27con	HGC_27004	OK	6.7915	5.47675	-0.310408	0.3182
LYRM5	HGC_27con	HGC_27004	OK	10.2514	8.26792	-0.310227	0.7182
LOC101928445	HGC_27con	HGC_27004	OK	0.43332	0.34952	-0.310066	0.4166
SREBF1	HGC_27con	HGC_27004	OK	96.1757	77.5861	-0.309875	0.2721
ERVK13-1	HGC_27con	HGC_27004	OK	1.35341	1.0919	-0.30976	0.429
SLC27A3	HGC_27con	HGC_27004	OK	6.17493	4.98185	-0.309741	0.4213
RCAN1	HGC_27con	HGC_27004	OK	7.69518	6.20929	-0.309527	0.366
DHRS4L2	HGC_27con	HGC_27004	OK	4.95615	3.99976	-0.309305	0.5034
CRTAP	HGC_27con	HGC_27004	OK	66.1513	53.3876	-0.309264	0.2323
ZFP36L2	HGC_27con	HGC_27004	OK	44.0464	35.5482	-0.309247	0.2574
CCDC146	HGC_27con	HGC_27004	NOTEST	0.07805	0.06299	-0.309195	1
LGALS3	HGC_27con	HGC_27004	OK	13.5275	10.9188	-0.309074	0.4308
TIRAP	HGC_27con	HGC_27004	OK	3.64006	2.93814	-0.309059	0.4931
CCDC51	HGC_27con	HGC_27004	OK	15.0991	12.1884	-0.308954	0.345
C10orf32	HGC_27con	HGC_27004	OK	5.52411	4.45934	-0.308911	0.439
DPCD	HGC_27con	HGC_27004	OK	32.5717	26.2969	-0.308728	0.3181
ANKRD30BP2	HGC_27con	HGC_27004	NOTEST	0.03763	0.03038	-0.308691	1
ATHL1	HGC_27con	HGC_27004	OK	9.69248	7.8257	-0.308647	0.3281
SLC35E2B	HGC_27con	HGC_27004	OK	11.613	9.37647	-0.308624	0.4072
USP2-AS1	HGC_27con	HGC_27004	OK	0.6087	0.49148	-0.308596	0.8567
KAZALD1	HGC_27con	HGC_27004	OK	43.6252	35.2267	-0.308494	0.2594
LOC641367	HGC_27con	HGC_27004	NOTEST	0.13803	0.11146	-0.308464	1
ACOT11	HGC_27con	HGC_27004	OK	1.01834	0.82247	-0.308189	0.6453
ZNF746	HGC_27con	HGC_27004	OK	7.05146	5.69588	-0.308004	0.3334
UNC93B1	HGC_27con	HGC_27004	OK	11.6989	9.45161	-0.307742	0.3833
HS2ST1	HGC_27con	HGC_27004	OK	17.1546	13.8616	-0.307494	0.3225
TRIP6	HGC_27con	HGC_27004	OK	59.5212	48.0998	-0.307374	0.2615
ZSCAN30	HGC_27con	HGC_27004	OK	2.68403	2.16918	-0.307253	0.5488
BDNF-AS	HGC_27con	HGC_27004	OK	0.58099	0.46956	-0.307194	0.8953
SNUPN	HGC_27con	HGC_27004	OK	15.8706	12.8272	-0.307145	0.3215
CXXC5	HGC_27con	HGC_27004	OK	15.5341	12.5563	-0.307034	0.3882
C11orf68	HGC_27con	HGC_27004	OK	17.0922	13.8168	-0.306915	0.3432

CHMP2A	HGC_27con	HGC_27004	OK	44.1629	35.705	-0.306708	0.2892
RNF208	HGC_27con	HGC_27004	OK	2.20055	1.77911	-0.306706	0.6513
PCDHB6	HGC_27con	HGC_27004	OK	2.51513	2.03364	-0.306573	0.5066
MEF2BNB	HGC_27con	HGC_27004	OK	11.0231	8.91336	-0.306489	0.7405
SIRPB1	HGC_27con	HGC_27004	NOTEST	0.15291	0.12366	-0.30626	1
EN1	HGC_27con	HGC_27004	OK	3.22485	2.60806	-0.306255	0.5078
ST5	HGC_27con	HGC_27004	OK	13.5695	10.9765	-0.305951	0.3043
TERF2IP	HGC_27con	HGC_27004	OK	19.2313	15.5587	-0.305736	0.2991
TMEM256-PLSCR3	HGC_27con	HGC_27004	OK	2.68705	2.17411	-0.305598	0.7377
ASAH2	HGC_27con	HGC_27004	NOTEST	0.13878	0.1123	-0.305366	1
E2F2	HGC_27con	HGC_27004	OK	3.49314	2.82715	-0.305178	0.3837
METTL1	HGC_27con	HGC_27004	OK	5.16256	4.17888	-0.304968	0.5004
MAGED1	HGC_27con	HGC_27004	OK	52.9081	42.8281	-0.304932	0.2477
RRP36	HGC_27con	HGC_27004	OK	24.8449	20.1122	-0.304875	0.3236
HIST1H2BC	HGC_27con	HGC_27004	OK	1.2064	0.97666	-0.304774	0.8026
ALDH3A1	HGC_27con	HGC_27004	OK	12.7226	10.3006	-0.304668	0.3433
FKBP10	HGC_27con	HGC_27004	OK	138.057	111.797	-0.304377	0.2398
FLYWCH2	HGC_27con	HGC_27004	OK	53.0799	43.0075	-0.303578	0.2947
PAXIP1-AS1	HGC_27con	HGC_27004	OK	5.99529	4.85781	-0.303524	0.433
LOC729603	HGC_27con	HGC_27004	OK	0.81034	0.6567	-0.303294	0.5245
LINC00648	HGC_27con	HGC_27004	OK	1.44741	1.173	-0.303273	0.5924
CCDC85C	HGC_27con	HGC_27004	OK	24.6584	19.9843	-0.303215	0.3576
LINC01271	HGC_27con	HGC_27004	OK	1.52507	1.23631	-0.302832	0.6098
ANXA2R	HGC_27con	HGC_27004	OK	5.32018	4.31321	-0.302712	0.7012
BGN	HGC_27con	HGC_27004	OK	279.975	227.009	-0.302554	0.2363
GSN-AS1	HGC_27con	HGC_27004	NOTEST	0.07998	0.06485	-0.302544	1
GRTP1	HGC_27con	HGC_27004	OK	4.28502	3.47451	-0.302494	0.5615
RHBDD3	HGC_27con	HGC_27004	OK	19.5023	15.814	-0.302444	0.3529
VPS39	HGC_27con	HGC_27004	OK	11.9641	9.70162	-0.302418	0.2764
CEBPB-AS1	HGC_27con	HGC_27004	OK	0.43567	0.35328	-0.302408	0.4545
PCDH12	HGC_27con	HGC_27004	NOTEST	0.21347	0.17313	-0.302197	1
SPSB3	HGC_27con	HGC_27004	OK	15.5937	12.6473	-0.302135	0.3859
EDF1	HGC_27con	HGC_27004	OK	141.99	115.168	-0.302054	0.2635
LGALS1	HGC_27con	HGC_27004	OK	1504.99	1220.78	-0.301957	0.2407
LRTOMT	HGC_27con	HGC_27004	OK	2.30421	1.86933	-0.301748	0.8142
ULBP2	HGC_27con	HGC_27004	NOTEST	0.31226	0.25335	-0.301615	1
AGAP5	HGC_27con	HGC_27004	OK	1.44338	1.17109	-0.301591	0.5759
C14orf79	HGC_27con	HGC_27004	OK	8.41144	6.82474	-0.301578	0.396
QARS	HGC_27con	HGC_27004	OK	63.669	51.6613	-0.301508	0.2461
CRX	HGC_27con	HGC_27004	NOTEST	0.14562	0.11816	-0.301483	1
ARHGEF12	HGC_27con	HGC_27004	OK	21.7515	17.6497	-0.301476	0.237
PHKG1	HGC_27con	HGC_27004	OK	12.6589	10.2725	-0.301369	0.6633
CRB3	HGC_27con	HGC_27004	OK	0.56927	0.46198	-0.301284	0.8086
DOK1	HGC_27con	HGC_27004	OK	8.16909	6.62956	-0.301263	0.7397
FNBP1L	HGC_27con	HGC_27004	OK	17.3814	14.1061	-0.301217	0.2743
LOC101926935	HGC_27con	HGC_27004	OK	0.92173	0.74806	-0.301189	0.5295
ZNF579	HGC_27con	HGC_27004	OK	10.478	8.50426	-0.301103	0.3918
LOC100505716	HGC_27con	HGC_27004	NOTEST	0.09	0.07305	-0.300958	1
FRMD6	HGC_27con	HGC_27004	OK	11.0207	8.94584	-0.300927	0.3064
GLTSCR2	HGC_27con	HGC_27004	OK	178.731	145.106	-0.300678	0.2447
ATOX1	HGC_27con	HGC_27004	OK	90.0947	73.154	-0.300506	0.3505
PRSS53	HGC_27con	HGC_27004	OK	3.78053	3.06971	-0.300487	0.7395
LPAR1	HGC_27con	HGC_27004	OK	0.56592	0.45957	-0.30033	0.6624
LOC100996255	HGC_27con	HGC_27004	OK	3.9415	3.20079	-0.300317	0.5777

PCDHA2	HGC_27con	HGC_27004	OK	0.89461	0.72658	-0.300138	0.8342
LOC101928495	HGC_27con	HGC_27004	OK	0.42229	0.34297	-0.300128	0.8309
WRAP53	HGC_27con	HGC_27004	OK	6.68592	5.43096	-0.299921	0.5006
LINC00869	HGC_27con	HGC_27004	OK	1.39923	1.13677	-0.299692	0.5077
MF12	HGC_27con	HGC_27004	OK	11.5803	9.40974	-0.299443	0.3464
LINC00308	HGC_27con	HGC_27004	NOTEST	0.27681	0.22495	-0.299325	1
PROB1	HGC_27con	HGC_27004	OK	2.05552	1.6705	-0.299224	0.5631
ACTB	HGC_27con	HGC_27004	OK	1536.26	1248.54	-0.299182	0.2585
GSG1	HGC_27con	HGC_27004	NOTEST	0.11927	0.09693	-0.299179	1
DNAJB2	HGC_27con	HGC_27004	OK	12.2614	9.96549	-0.299116	0.3483
CPA4	HGC_27con	HGC_27004	NOTEST	0.08463	0.06879	-0.299041	1
BMP1	HGC_27con	HGC_27004	OK	20.4608	16.6315	-0.298943	0.2898
ZNF649	HGC_27con	HGC_27004	OK	0.71494	0.58116	-0.298883	0.6242
UPK3BL	HGC_27con	HGC_27004	OK	12.2197	9.93324	-0.298869	0.4772
DISP1	HGC_27con	HGC_27004	OK	12.6527	10.2869	-0.298639	0.2928
RAB24	HGC_27con	HGC_27004	OK	37.0916	30.1565	-0.298625	0.2919
DNMBP	HGC_27con	HGC_27004	OK	3.19859	2.60059	-0.298597	0.3669
SNAI3-AS1	HGC_27con	HGC_27004	OK	1.08193	0.87967	-0.298572	0.6994
ESRRB	HGC_27con	HGC_27004	NOTEST	0.22285	0.18119	-0.298547	1
PLXDC1	HGC_27con	HGC_27004	NOTEST	0.14237	0.11576	-0.298528	1
LMF2	HGC_27con	HGC_27004	OK	27.8266	22.6262	-0.298468	0.3124
C11orf1	HGC_27con	HGC_27004	OK	22.6253	18.3975	-0.298433	0.4031
ZNRD1-AS1	HGC_27con	HGC_27004	OK	1.11568	0.90722	-0.298395	0.6358
LOC100129461	HGC_27con	HGC_27004	OK	4.45925	3.62606	-0.298395	0.8237
CRADD	HGC_27con	HGC_27004	OK	5.05102	4.10794	-0.29816	0.5374
MIDN	HGC_27con	HGC_27004	OK	20.9832	17.0657	-0.298133	0.2992
SUMF1	HGC_27con	HGC_27004	OK	6.08174	4.94633	-0.298126	0.4361
BCRP2	HGC_27con	HGC_27004	OK	1.46644	1.19269	-0.298101	0.5962
KCNMB3	HGC_27con	HGC_27004	OK	0.92037	0.74858	-0.298072	0.6259
NQO2	HGC_27con	HGC_27004	OK	53.5538	43.5587	-0.298028	0.2941
SIL1	HGC_27con	HGC_27004	OK	30.5666	24.8627	-0.297972	0.2854
ITPR2	HGC_27con	HGC_27004	OK	3.61784	2.94344	-0.297624	0.2943
ZNHIT1	HGC_27con	HGC_27004	OK	50.3295	40.9506	-0.297517	0.5814
ZNF688	HGC_27con	HGC_27004	OK	9.77002	7.9498	-0.297442	0.4404
NBAT1	HGC_27con	HGC_27004	NOTEST	0.28645	0.2331	-0.297303	1
SH3GL1	HGC_27con	HGC_27004	OK	37.0876	30.1813	-0.297285	0.2779
GUSBP11	HGC_27con	HGC_27004	OK	3.5744	2.90881	-0.297271	0.4909
ZNF532	HGC_27con	HGC_27004	OK	12.0948	9.84673	-0.296665	0.2792
BSDC1	HGC_27con	HGC_27004	OK	6.10856	4.9733	-0.296631	0.3481
ELOF1	HGC_27con	HGC_27004	OK	71.0608	57.8595	-0.296501	0.3018
OR8U1	HGC_27con	HGC_27004	NOTEST	6.9E-05	5.6E-05	-0.296448	1
FAM110B	HGC_27con	HGC_27004	NOTEST	0.09844	0.08016	-0.296403	1
TIGAR	HGC_27con	HGC_27004	OK	4.42881	3.60644	-0.296344	0.3367
LINC00265	HGC_27con	HGC_27004	OK	6.92777	5.64226	-0.296117	0.369
SLC9A4	HGC_27con	HGC_27004	NOTEST	0.31678	0.25801	-0.29601	1
LDB1	HGC_27con	HGC_27004	OK	90.3966	73.6329	-0.295919	0.2523
LOC399815	HGC_27con	HGC_27004	OK	1.26244	1.02843	-0.29577	0.6908
HENMT1	HGC_27con	HGC_27004	OK	3.34838	2.72815	-0.295542	0.5358
IL32	HGC_27con	HGC_27004	OK	1.00556	0.81934	-0.295456	0.6947
RNF123	HGC_27con	HGC_27004	OK	8.8941	7.24791	-0.295284	0.4341
CST3	HGC_27con	HGC_27004	OK	127.666	104.041	-0.295217	0.2798
PPP1R16A	HGC_27con	HGC_27004	OK	15.0676	12.2796	-0.295181	0.3555
DYNC2LI1	HGC_27con	HGC_27004	OK	14.8333	12.0889	-0.295158	0.3691
ZFAT	HGC_27con	HGC_27004	OK	1.3732	1.11917	-0.295103	0.5155

LYSMD1	HGC_27con	HGC_27004	OK	4.06211	3.31102	-0.294952	0.589
BAHCC1	HGC_27con	HGC_27004	OK	4.29878	3.50449	-0.294723	0.3125
WDR5B	HGC_27con	HGC_27004	OK	2.17849	1.77601	-0.294689	0.4812
SDHAF1	HGC_27con	HGC_27004	OK	19.0769	15.5558	-0.294376	0.4023
POU5F1B	HGC_27con	HGC_27004	OK	0.85634	0.69829	-0.294364	0.7254
SDCCAG8	HGC_27con	HGC_27004	OK	4.70622	3.83762	-0.294357	0.4171
NSUN4	HGC_27con	HGC_27004	OK	11.6093	9.46741	-0.294233	0.3103
SMAGP	HGC_27con	HGC_27004	OK	9.03251	7.36606	-0.294233	0.823
GUSBP4	HGC_27con	HGC_27004	OK	5.48047	4.46979	-0.294091	0.5176
COL4A5	HGC_27con	HGC_27004	OK	8.35735	6.81646	-0.294024	0.2925
NPHS1	HGC_27con	HGC_27004	NOTEST	0.09847	0.08032	-0.293961	1
C21orf58	HGC_27con	HGC_27004	OK	8.43851	6.88313	-0.293924	0.3953
TPCN1	HGC_27con	HGC_27004	OK	6.81094	5.5556	-0.29391	0.3388
TMEM64	HGC_27con	HGC_27004	OK	8.51241	6.94351	-0.293902	0.3677
ACO1	HGC_27con	HGC_27004	OK	11.5593	9.42885	-0.293895	0.305
DIRAS3	HGC_27con	HGC_27004	NOTEST	0.25425	0.2074	-0.293799	1
C14orf132	HGC_27con	HGC_27004	OK	5.22761	4.26458	-0.293747	0.3584
LINC00282	HGC_27con	HGC_27004	NOTEST	0.05228	0.04265	-0.293588	1
CCDC167	HGC_27con	HGC_27004	OK	16.6408	13.5777	-0.293487	0.467
MMP28	HGC_27con	HGC_27004	OK	0.42384	0.34594	-0.293007	0.7529
CDC14A	HGC_27con	HGC_27004	OK	4.30525	3.51395	-0.293004	0.3822
GREB1	HGC_27con	HGC_27004	NOTEST	0.10892	0.0889	-0.292979	1
TTC28-AS1	HGC_27con	HGC_27004	OK	8.35706	6.82138	-0.292931	0.7411
GFAP	HGC_27con	HGC_27004	NOTEST	0.07557	0.06168	-0.292914	1
MUTYH	HGC_27con	HGC_27004	OK	11.4468	9.34415	-0.292814	0.5173
MON1B	HGC_27con	HGC_27004	OK	14.8501	12.1247	-0.292525	0.3225
ADORA1	HGC_27con	HGC_27004	OK	1.38378	1.12984	-0.292494	0.5871
PIK3IP1-AS1	HGC_27con	HGC_27004	OK	0.77372	0.63173	-0.292491	0.834
ANXA2	HGC_27con	HGC_27004	OK	238.985	195.137	-0.29243	0.2388
LBH	HGC_27con	HGC_27004	OK	33.9895	27.7543	-0.292375	0.2821
IP6K2	HGC_27con	HGC_27004	OK	51.2427	41.8435	-0.292342	0.3156
ITGB8	HGC_27con	HGC_27004	OK	0.8237	0.67263	-0.29231	0.5336
PREX1	HGC_27con	HGC_27004	OK	0.90894	0.74239	-0.292002	0.5256
NSDHL	HGC_27con	HGC_27004	OK	24.0259	19.6263	-0.291803	0.3261
NLRP2	HGC_27con	HGC_27004	OK	2.62837	2.14727	-0.291667	0.4583
POLR2I	HGC_27con	HGC_27004	OK	66.5934	54.4078	-0.291566	0.5939
KCNG1	HGC_27con	HGC_27004	OK	7.98995	6.52863	-0.291406	0.4506
DUSP1	HGC_27con	HGC_27004	OK	9.89249	8.08422	-0.291225	0.4307
ERC2	HGC_27con	HGC_27004	OK	0.81299	0.66442	-0.291143	0.5289
ZNF691	HGC_27con	HGC_27004	OK	9.88691	8.08051	-0.291074	0.3874
ZNF18	HGC_27con	HGC_27004	OK	3.93347	3.21483	-0.291062	0.4414
CCNL2	HGC_27con	HGC_27004	OK	75.6075	61.7991	-0.290943	0.3548
ENTPD8	HGC_27con	HGC_27004	OK	0.44323	0.36229	-0.290921	0.7267
DBET	HGC_27con	HGC_27004	NOTEST	0.1214	0.09923	-0.290837	1
P3H3	HGC_27con	HGC_27004	OK	31.6982	25.9111	-0.290833	0.3002
ADAMTS20	HGC_27con	HGC_27004	OK	1.44042	1.17753	-0.290725	0.4691
C14orf1	HGC_27con	HGC_27004	OK	43.1888	35.3131	-0.290453	0.315
TBC1D22B	HGC_27con	HGC_27004	OK	3.55018	2.90284	-0.290427	0.4514
MZB1	HGC_27con	HGC_27004	OK	0.37943	0.31026	-0.290384	0.7952
HIST3H2A	HGC_27con	HGC_27004	OK	40.1859	32.8607	-0.290327	0.5287
UGGT2	HGC_27con	HGC_27004	OK	3.52835	2.88522	-0.290312	0.3968
ZNF223	HGC_27con	HGC_27004	OK	0.89548	0.73231	-0.290194	0.6317
SNORD79	HGC_27con	HGC_27004	OK	77.6974	63.544	-0.290111	0.8552
ADARB1	HGC_27con	HGC_27004	OK	2.51707	2.0586	-0.290082	0.4507

LOC101929567	HGC_27con	HGC_27004	OK	0.78994	0.64608	-0.290018	0.524
MMEL1	HGC_27con	HGC_27004	OK	2.01037	1.64438	-0.289916	0.6784
UBB	HGC_27con	HGC_27004	OK	464.147	379.68	-0.289797	0.2673
PRMT9	HGC_27con	HGC_27004	OK	3.06443	2.50706	-0.289622	0.4438
HS6ST1	HGC_27con	HGC_27004	OK	2.75276	2.25233	-0.289456	0.477
PDE6A	HGC_27con	HGC_27004	NOTEST	0.21454	0.17555	-0.289418	1
SNORD22	HGC_27con	HGC_27004	OK	185.892	152.105	-0.289397	0.8463
TLR3	HGC_27con	HGC_27004	OK	0.54113	0.44278	-0.289374	0.6807
SNHG18	HGC_27con	HGC_27004	OK	4.84822	3.96714	-0.289359	0.5265
OPHN1	HGC_27con	HGC_27004	OK	4.0768	3.33592	-0.289355	0.3439
IFT172	HGC_27con	HGC_27004	OK	5.64659	4.62058	-0.289306	0.3273
PQLC3	HGC_27con	HGC_27004	OK	5.46916	4.47582	-0.289168	0.5177
PPM1E	HGC_27con	HGC_27004	OK	2.24969	1.8414	-0.288923	0.6555
CRYGS	HGC_27con	HGC_27004	OK	1.03207	0.84478	-0.288904	0.7205
WDR25	HGC_27con	HGC_27004	OK	9.2836	7.59961	-0.288759	0.4038
KLHL30	HGC_27con	HGC_27004	OK	2.90681	2.37957	-0.288734	0.4967
TTC8	HGC_27con	HGC_27004	OK	37.6668	30.8405	-0.288466	0.2997
ELAC1	HGC_27con	HGC_27004	OK	4.73317	3.87597	-0.288248	0.4681
LOH12CR1	HGC_27con	HGC_27004	OK	5.58276	4.57185	-0.2882	0.4734
DOT1L	HGC_27con	HGC_27004	OK	16.1345	13.2135	-0.288142	0.3787
OLFM2	HGC_27con	HGC_27004	OK	26.7088	21.8772	-0.287891	0.3447
SNAPC4	HGC_27con	HGC_27004	OK	4.13861	3.39014	-0.287803	0.3991
MST1L	HGC_27con	HGC_27004	OK	0.43665	0.35769	-0.287777	0.6646
AP2A1	HGC_27con	HGC_27004	OK	38.5789	31.603	-0.287753	0.3321
ZNF500	HGC_27con	HGC_27004	OK	4.21128	3.4498	-0.287746	0.4698
LOC101928118	HGC_27con	HGC_27004	NOTEST	0.23077	0.18905	-0.287741	1
SYCP2	HGC_27con	HGC_27004	OK	0.35987	0.29481	-0.287686	0.6226
GSTZ1	HGC_27con	HGC_27004	OK	46.4363	38.0431	-0.287621	0.3113
DLX1	HGC_27con	HGC_27004	OK	7.6802	6.29236	-0.287542	0.409
LOC730183	HGC_27con	HGC_27004	OK	4.22221	3.4594	-0.287475	0.7003
CLIP3	HGC_27con	HGC_27004	OK	0.79498	0.65136	-0.287459	0.7372
PITX1	HGC_27con	HGC_27004	OK	57.012	46.7131	-0.287438	0.4615
PPDPF	HGC_27con	HGC_27004	OK	175.506	143.804	-0.287414	0.3192
FAM86JP	HGC_27con	HGC_27004	OK	2.61721	2.14453	-0.287364	0.5778
ZNF345	HGC_27con	HGC_27004	OK	3.13441	2.5684	-0.287326	0.6086
MAN2C1	HGC_27con	HGC_27004	OK	20.0175	16.4035	-0.287259	0.3018
ZNF335	HGC_27con	HGC_27004	OK	6.19727	5.07841	-0.287255	0.367
FAM160B2	HGC_27con	HGC_27004	OK	14.6164	11.9776	-0.287246	0.3231
ACP6	HGC_27con	HGC_27004	OK	4.76987	3.90931	-0.287035	0.498
CCDC130	HGC_27con	HGC_27004	OK	20.0235	16.4117	-0.286966	0.3551
ST20-AS1	HGC_27con	HGC_27004	OK	3.68006	3.01667	-0.286775	0.7018
LINC01144	HGC_27con	HGC_27004	OK	0.72619	0.59533	-0.286668	0.6843
ZNF117	HGC_27con	HGC_27004	OK	4.78811	3.92568	-0.286515	0.4355
FLRT1	HGC_27con	HGC_27004	OK	12.6254	10.3525	-0.286349	0.4469
RORA-AS1	HGC_27con	HGC_27004	OK	0.55852	0.45802	-0.286207	0.8448
SPRED3	HGC_27con	HGC_27004	OK	0.38509	0.31582	-0.28613	0.6548
LY75	HGC_27con	HGC_27004	NOTEST	0.02213	0.01815	-0.286057	1
SAMD4A	HGC_27con	HGC_27004	OK	2.86443	2.3493	-0.286019	0.3918
HS3ST6	HGC_27con	HGC_27004	OK	0.89158	0.73124	-0.286013	0.7716
ZNF865	HGC_27con	HGC_27004	OK	6.0012	4.92211	-0.285974	0.4074
AP2M1	HGC_27con	HGC_27004	OK	78.6754	64.5289	-0.285966	0.2736
TSPAN4	HGC_27con	HGC_27004	OK	55.703	45.6903	-0.285868	0.3234
ZDHHC8	HGC_27con	HGC_27004	OK	11.0876	9.09465	-0.285862	0.3266
COX14	HGC_27con	HGC_27004	OK	25.5312	20.9421	-0.285851	0.4205

LOC101927811	HGC_27con	HGC_27004	OK	1.10314	0.90499	-0.285649	0.8728
CCDC88C	HGC_27con	HGC_27004	OK	3.70102	3.03644	-0.285544	0.3502
FBXW5	HGC_27con	HGC_27004	OK	33.2921	27.3145	-0.285512	0.3215
AACS	HGC_27con	HGC_27004	OK	15.891	13.0398	-0.285287	0.3201
SUGCT	HGC_27con	HGC_27004	OK	9.30314	7.63412	-0.285256	0.4279
FES	HGC_27con	HGC_27004	NOTEST	0.12649	0.1038	-0.285199	1
SLC25A10	HGC_27con	HGC_27004	OK	30.9077	25.3678	-0.284971	0.3401
MESP1	HGC_27con	HGC_27004	OK	0.97251	0.79825	-0.284861	0.7498
MARCH10	HGC_27con	HGC_27004	NOTEST	0.00868	0.00713	-0.284816	1
AQP3	HGC_27con	HGC_27004	OK	1.15534	0.94844	-0.284688	0.6615
USP20	HGC_27con	HGC_27004	OK	4.75301	3.90233	-0.284508	0.3922
ZC3H7B	HGC_27con	HGC_27004	OK	16.4658	13.5199	-0.284393	0.2979
TTN	HGC_27con	HGC_27004	NOTEST	0.27202	0.22336	-0.284374	1
TNFAIP8L2	HGC_27con	HGC_27004	NOTEST	0.24708	0.20289	-0.284225	1
LOC101927374	HGC_27con	HGC_27004	OK	2.95085	2.4232	-0.284221	0.8313
LENG8	HGC_27con	HGC_27004	OK	20.2398	16.6219	-0.284109	0.3763
VPS51	HGC_27con	HGC_27004	OK	83.2511	68.3729	-0.284045	0.3177
HOXC6	HGC_27con	HGC_27004	OK	11.2061	9.20412	-0.283928	0.497
C9orf173-AS1	HGC_27con	HGC_27004	OK	0.89713	0.73701	-0.28364	0.7183
HLA-DOB	HGC_27con	HGC_27004	NOTEST	0.1733	0.14237	-0.28362	1
ZEB2	HGC_27con	HGC_27004	OK	4.4161	3.6281	-0.283561	0.3498
DPP9-AS1	HGC_27con	HGC_27004	OK	1.36597	1.12233	-0.283426	0.79
SCARNA16	HGC_27con	HGC_27004	OK	24.7115	20.3075	-0.283167	0.7612
FAM173A	HGC_27con	HGC_27004	OK	45.0383	37.0189	-0.282889	0.4384
B9D1	HGC_27con	HGC_27004	OK	56.4438	46.395	-0.282847	0.6878
VKORC1	HGC_27con	HGC_27004	OK	227.526	187.02	-0.282838	0.2872
WASH1	HGC_27con	HGC_27004	OK	5.21945	4.29031	-0.282815	0.49
ENC1	HGC_27con	HGC_27004	OK	1.83853	1.51128	-0.282787	0.8697
HYKK	HGC_27con	HGC_27004	OK	2.15996	1.77566	-0.282649	0.6695
RRNAD1	HGC_27con	HGC_27004	OK	12.8966	10.603	-0.282513	0.3694
MCOLN1	HGC_27con	HGC_27004	OK	9.64053	7.92724	-0.282294	0.4539
COX17	HGC_27con	HGC_27004	OK	29.851	24.5479	-0.28218	0.531
C1orf220	HGC_27con	HGC_27004	OK	0.55761	0.45857	-0.282115	0.6836
MTERF2	HGC_27con	HGC_27004	OK	4.68585	3.85385	-0.28201	0.4742
RAB34	HGC_27con	HGC_27004	OK	63.7841	52.4607	-0.281958	0.3197
MRPL45P2	HGC_27con	HGC_27004	OK	2.23726	1.84049	-0.281638	0.6199
SURF1	HGC_27con	HGC_27004	OK	29.8796	24.5824	-0.281535	0.3448
TMEM39B	HGC_27con	HGC_27004	OK	13.2053	10.8651	-0.281413	0.4052
HPS6	HGC_27con	HGC_27004	OK	20.0016	16.458	-0.281324	0.3438
ZNF766	HGC_27con	HGC_27004	OK	3.83851	3.15852	-0.281301	0.4487
HSPB6	HGC_27con	HGC_27004	OK	7.08819	5.83288	-0.281208	0.5612
ATPIF1	HGC_27con	HGC_27004	OK	178.038	146.567	-0.280623	0.3356
MYO1C	HGC_27con	HGC_27004	OK	24.1355	19.8693	-0.280615	0.29
HOXA10-AS	HGC_27con	HGC_27004	OK	0.77842	0.64086	-0.280537	0.8688
NPTX1	HGC_27con	HGC_27004	NOTEST	0.05769	0.0475	-0.280514	1
WBP1L	HGC_27con	HGC_27004	OK	5.8176	4.78985	-0.280443	0.3825
CRIPAK	HGC_27con	HGC_27004	OK	5.32909	4.38793	-0.280349	0.4354
CYHR1	HGC_27con	HGC_27004	OK	11.2739	9.28338	-0.280262	0.4727
FLJ23867	HGC_27con	HGC_27004	OK	0.90656	0.74656	-0.280137	0.8404
CRELD2	HGC_27con	HGC_27004	OK	63.8061	52.5502	-0.279998	0.3064
LRP1	HGC_27con	HGC_27004	OK	17.4693	14.3889	-0.279864	0.2774
SLC35A1	HGC_27con	HGC_27004	OK	11.8083	9.72697	-0.279733	0.4032
ZNF469	HGC_27con	HGC_27004	OK	0.35714	0.2942	-0.279708	0.5948
DGCR6	HGC_27con	HGC_27004	OK	2.99943	2.47109	-0.279536	0.6342

TTC38	HGC_27con	HGC_27004	OK	6.27474	5.16951	-0.279528	0.4419
CIDEB	HGC_27con	HGC_27004	OK	2.79736	2.305	-0.279299	0.7712
ALDH2	HGC_27con	HGC_27004	OK	69.2509	57.063	-0.279278	0.2973
LOC644919	HGC_27con	HGC_27004	OK	9.48756	7.81788	-0.279259	0.6238
TSSK2	HGC_27con	HGC_27004	OK	0.79878	0.65826	-0.279154	0.8519
CCDC125	HGC_27con	HGC_27004	OK	2.63537	2.17184	-0.279087	0.4848
PTGES2-AS1	HGC_27con	HGC_27004	OK	1.16845	0.96298	-0.279019	0.6513
ANXA4	HGC_27con	HGC_27004	OK	23.0322	18.9853	-0.278767	0.3383
TMEM136	HGC_27con	HGC_27004	OK	4.41954	3.64301	-0.278765	0.4252
HIGD1B	HGC_27con	HGC_27004	NOTEST	0.23123	0.19063	-0.278598	1
FRAT2	HGC_27con	HGC_27004	OK	14.1	11.6247	-0.278502	0.389
CIR1	HGC_27con	HGC_27004	OK	5.0888	4.19583	-0.27837	0.4384
CD81	HGC_27con	HGC_27004	OK	242.262	199.751	-0.278367	0.2794
NUMA1	HGC_27con	HGC_27004	OK	32.6239	26.8999	-0.278329	0.455
MFAP4	HGC_27con	HGC_27004	OK	149.231	123.048	-0.278326	0.3553
SMARCA1	HGC_27con	HGC_27004	OK	3.141	2.58996	-0.278294	0.4211
ZC4H2	HGC_27con	HGC_27004	OK	8.23541	6.79197	-0.278012	0.3853
OSBPL6	HGC_27con	HGC_27004	OK	13.814	11.3929	-0.277996	0.4828
PGAP3	HGC_27con	HGC_27004	OK	3.30764	2.72795	-0.277983	0.5198
SCYL1	HGC_27con	HGC_27004	OK	23.5653	19.4363	-0.277911	0.5103
CEP19	HGC_27con	HGC_27004	OK	1.41099	1.16394	-0.277695	0.6108
TRNP1	HGC_27con	HGC_27004	OK	2.48652	2.05161	-0.277374	0.6247
ZNF341	HGC_27con	HGC_27004	OK	1.04162	0.85957	-0.277145	0.6242
LIN7B	HGC_27con	HGC_27004	OK	8.03904	6.63523	-0.276877	0.6162
SLC13A4	HGC_27con	HGC_27004	NOTEST	0.08065	0.06657	-0.276791	1
SNX22	HGC_27con	HGC_27004	OK	0.7256	0.59897	-0.276687	0.8025
CHMP1B	HGC_27con	HGC_27004	OK	14.5433	12.0064	-0.276543	0.516
ORMDL3	HGC_27con	HGC_27004	OK	10.6486	8.79131	-0.276509	0.4043
ELMO3	HGC_27con	HGC_27004	OK	1.17556	0.97053	-0.276501	0.6509
FAM8A1	HGC_27con	HGC_27004	OK	6.62163	5.4676	-0.276279	0.3847
CNPY4	HGC_27con	HGC_27004	OK	10.1196	8.35711	-0.276073	0.8427
ZNF629	HGC_27con	HGC_27004	OK	6.64274	5.48631	-0.275941	0.3472
FAM47E	HGC_27con	HGC_27004	NOTEST	0.06521	0.05386	-0.275908	1
PLEKHM2	HGC_27con	HGC_27004	OK	9.99853	8.25852	-0.275834	0.3556
TACC2	HGC_27con	HGC_27004	OK	4.44415	3.67089	-0.275778	0.4228
DENND4A	HGC_27con	HGC_27004	OK	4.51351	3.72823	-0.275759	0.4426
SLC2A4RG	HGC_27con	HGC_27004	OK	30.3802	25.0967	-0.275633	0.3601
LRCH1	HGC_27con	HGC_27004	OK	2.83255	2.34025	-0.275437	0.4506
IL17RC	HGC_27con	HGC_27004	OK	12.0595	9.96451	-0.275302	0.4037
REXO1	HGC_27con	HGC_27004	OK	11.9568	9.88066	-0.275148	0.3507
XYLT1	HGC_27con	HGC_27004	OK	6.08567	5.02997	-0.274866	0.3319
NR1H2	HGC_27con	HGC_27004	OK	18.7968	15.5371	-0.274774	0.3642
LMLN	HGC_27con	HGC_27004	OK	0.74152	0.61299	-0.274612	0.5759
APLN	HGC_27con	HGC_27004	NOTEST	0.28782	0.23795	-0.274548	1
DNAH1	HGC_27con	HGC_27004	NOTEST	0.19214	0.15885	-0.274531	1
SYDE2	HGC_27con	HGC_27004	OK	6.00093	4.96109	-0.274528	0.3854
CLEC1A	HGC_27con	HGC_27004	OK	2.28719	1.89092	-0.274489	0.5592
LINC01061	HGC_27con	HGC_27004	OK	2.92317	2.41699	-0.274325	0.5392
NBPF25P	HGC_27con	HGC_27004	OK	0.50012	0.41357	-0.274161	0.8198
SERF2	HGC_27con	HGC_27004	OK	91.227	75.4401	-0.274129	0.5714
ZNF248	HGC_27con	HGC_27004	OK	7.57857	6.26721	-0.274101	0.4424
RBKS	HGC_27con	HGC_27004	OK	0.6819	0.56394	-0.274033	0.881
TMEM104	HGC_27con	HGC_27004	OK	6.32854	5.23397	-0.273968	0.3891
C1orf122	HGC_27con	HGC_27004	OK	107.563	88.9622	-0.273916	0.4013

FLJ37453	HGC_27con	HGC_27004	OK	1.03468	0.8558	-0.273839	0.8889
MB	HGC_27con	HGC_27004	OK	9.23392	7.63769	-0.273808	0.4917
FAM27B	HGC_27con	HGC_27004	OK	1.52366	1.26034	-0.273732	0.7147
NLRP12	HGC_27con	HGC_27004	NOTEST	0.15399	0.12738	-0.273697	1
DEF6	HGC_27con	HGC_27004	OK	8.61314	7.12612	-0.273423	0.4101
PPAPDC1B	HGC_27con	HGC_27004	OK	30.1942	24.9824	-0.273361	0.4627
SLITRK5	HGC_27con	HGC_27004	OK	13.7078	11.342	-0.273317	0.3416
ZNF846	HGC_27con	HGC_27004	OK	1.58222	1.30926	-0.2732	0.6115
HEY1	HGC_27con	HGC_27004	OK	3.50444	2.8999	-0.273181	0.5144
MYL6	HGC_27con	HGC_27004	OK	309.482	256.125	-0.273006	0.2882
C6orf48	HGC_27con	HGC_27004	OK	645.79	534.476	-0.27294	0.3087
LAMP1	HGC_27con	HGC_27004	OK	43.1132	35.6829	-0.272896	0.3201
LOC101927969	HGC_27con	HGC_27004	NOTEST	0.19361	0.16024	-0.272853	1
NME4	HGC_27con	HGC_27004	OK	2.71603	2.24801	-0.272852	0.6468
PRKG1-AS1	HGC_27con	HGC_27004	OK	1.1785	0.9756	-0.272585	0.8681
PPP1R26-AS1	HGC_27con	HGC_27004	OK	1.14016	0.94387	-0.272573	0.6207
NECAB3	HGC_27con	HGC_27004	OK	12.3137	10.1941	-0.272535	0.4257
CRABP2	HGC_27con	HGC_27004	OK	142.287	117.806	-0.27239	0.2926
LOC100288123	HGC_27con	HGC_27004	OK	1.05616	0.87446	-0.272366	0.9049
JDP2	HGC_27con	HGC_27004	OK	11.7083	9.69537	-0.272164	0.3366
CLDN9	HGC_27con	HGC_27004	OK	0.69111	0.57237	-0.271968	0.7083
STEAP3	HGC_27con	HGC_27004	OK	4.43752	3.67574	-0.27172	0.4445
PRKAG1	HGC_27con	HGC_27004	OK	71.1754	58.9579	-0.271693	0.3078
PSKH1	HGC_27con	HGC_27004	OK	13.1278	10.8752	-0.271575	0.3548
LINC00482	HGC_27con	HGC_27004	OK	0.44661	0.37002	-0.271424	0.6994
EML1	HGC_27con	HGC_27004	OK	14.3946	11.9301	-0.270923	0.3236
VGLL4	HGC_27con	HGC_27004	OK	22.1671	18.3738	-0.270767	0.3764
SLC25A29	HGC_27con	HGC_27004	OK	22.8679	18.955	-0.270748	0.3636
POLM	HGC_27con	HGC_27004	OK	9.20194	7.62808	-0.270619	0.4092
DPP9	HGC_27con	HGC_27004	OK	16.9145	14.0225	-0.270518	0.3394
FOSL2	HGC_27con	HGC_27004	OK	3.57433	2.96335	-0.270443	0.47
EPGN	HGC_27con	HGC_27004	NOTEST	0.06813	0.05649	-0.270412	1
BBC3	HGC_27con	HGC_27004	OK	4.12637	3.42116	-0.270387	0.565
KLC4	HGC_27con	HGC_27004	OK	7.52039	6.23521	-0.270368	0.4128
MTHFSD	HGC_27con	HGC_27004	OK	5.20594	4.31632	-0.270356	0.4539
ZC3H12B	HGC_27con	HGC_27004	OK	0.79817	0.66182	-0.27026	0.5916
MBTPS1	HGC_27con	HGC_27004	OK	10.9592	9.08727	-0.270218	0.3526
POLR2J2	HGC_27con	HGC_27004	OK	3.01718	2.502	-0.270117	0.6969
MZF1-AS1	HGC_27con	HGC_27004	OK	1.27042	1.05355	-0.27005	0.734
ARMC2	HGC_27con	HGC_27004	OK	0.34435	0.28557	-0.270048	0.6991
TSNAXIP1	HGC_27con	HGC_27004	NOTEST	0.17444	0.14467	-0.270026	1
ZNF487	HGC_27con	HGC_27004	OK	0.43497	0.36076	-0.269862	0.7399
SMAD1-AS1	HGC_27con	HGC_27004	OK	9.55377	7.92507	-0.269645	0.7122
SRRM5	HGC_27con	HGC_27004	OK	1.50252	1.2464	-0.269617	0.7172
NOTCH4	HGC_27con	HGC_27004	NOTEST	0.0967	0.08022	-0.269585	1
GTF2F1	HGC_27con	HGC_27004	OK	43.2576	35.8881	-0.269447	0.3048
SPTB	HGC_27con	HGC_27004	OK	0.50843	0.42182	-0.269405	0.5564
YPEL1	HGC_27con	HGC_27004	OK	1.78219	1.47865	-0.269369	0.7683
PANX3	HGC_27con	HGC_27004	OK	1.11899	0.92854	-0.269163	0.6942
VPS52	HGC_27con	HGC_27004	OK	18.8526	15.6461	-0.268962	0.3503
PCDHGB3	HGC_27con	HGC_27004	OK	0.76017	0.63109	-0.268476	0.8429
TMF1	HGC_27con	HGC_27004	OK	2.56941	2.13338	-0.268297	0.4107
MARVELD1	HGC_27con	HGC_27004	OK	49.4282	41.0404	-0.26829	0.3138
TAPBP	HGC_27con	HGC_27004	OK	24.9511	20.7192	-0.268134	0.3374

LOC100996634	HGC_27con	HGC_27004	OK	1.57819	1.31053	-0.268113	0.6457
PCDHB4	HGC_27con	HGC_27004	OK	0.85669	0.71147	-0.267983	0.6488
LRPAP1	HGC_27con	HGC_27004	OK	4.45332	3.69848	-0.267949	0.3644
HIST1H3J	HGC_27con	HGC_27004	OK	5.03248	4.17948	-0.267945	0.7165
LPCAT3	HGC_27con	HGC_27004	OK	28.1323	23.3679	-0.267696	0.3419
AHDC1	HGC_27con	HGC_27004	OK	3.32388	2.76101	-0.267671	0.4421
TUBG2	HGC_27con	HGC_27004	OK	7.32627	6.08587	-0.267615	0.4909
PROX2	HGC_27con	HGC_27004	OK	0.38731	0.32175	-0.267549	0.6964
CEMIP	HGC_27con	HGC_27004	NOTEST	0.09987	0.08297	-0.26744	1
PNPLA3	HGC_27con	HGC_27004	OK	6.18711	5.14063	-0.267322	0.4465
C2CD2L	HGC_27con	HGC_27004	OK	5.33541	4.43324	-0.267236	0.4501
ASL	HGC_27con	HGC_27004	OK	21.402	17.7868	-0.266933	0.3651
ARHGAP23	HGC_27con	HGC_27004	OK	8.96597	7.45226	-0.266781	0.3704
TMEM98	HGC_27con	HGC_27004	OK	33.6212	27.946	-0.266729	0.3569
MYLK-AS1	HGC_27con	HGC_27004	OK	1.07938	0.89722	-0.266674	0.8717
PRDX2	HGC_27con	HGC_27004	OK	218.524	181.649	-0.266632	0.3208
MTIF3	HGC_27con	HGC_27004	OK	19.0974	15.8769	-0.266445	0.709
ZNF703	HGC_27con	HGC_27004	OK	16.7857	13.9551	-0.266444	0.3886
SNX33	HGC_27con	HGC_27004	OK	5.39281	4.48367	-0.266356	0.4456
LOC100289495	HGC_27con	HGC_27004	NOTEST	0.10308	0.08571	-0.266297	1
OSER1-AS1	HGC_27con	HGC_27004	OK	1.41908	1.17995	-0.26623	0.6707
ICAM5	HGC_27con	HGC_27004	OK	14.7575	12.2712	-0.266175	0.3909
ZBTB4	HGC_27con	HGC_27004	OK	4.38398	3.64564	-0.266071	0.3917
ASAH1	HGC_27con	HGC_27004	OK	19.7985	16.466	-0.265906	0.3561
PI4KAP1	HGC_27con	HGC_27004	OK	2.99354	2.48968	-0.265891	0.5615
SLC7A7	HGC_27con	HGC_27004	OK	1.91672	1.59443	-0.265593	0.6325
RARA	HGC_27con	HGC_27004	OK	7.80581	6.49347	-0.265558	0.4129
CASC10	HGC_27con	HGC_27004	OK	19.89	16.5485	-0.265338	0.3904
OS9	HGC_27con	HGC_27004	OK	34.0848	28.3595	-0.265298	0.3147
NR1H3	HGC_27con	HGC_27004	OK	10.3294	8.59553	-0.265099	0.5625
TVP23A	HGC_27con	HGC_27004	NOTEST	0.23363	0.19441	-0.26509	1
PRR7	HGC_27con	HGC_27004	OK	59.3939	49.4248	-0.265079	0.5579
TRAF1	HGC_27con	HGC_27004	NOTEST	0.02881	0.02398	-0.26505	1
MAPK8IP3	HGC_27con	HGC_27004	OK	7.55681	6.28884	-0.264985	0.3731
LINC00242	HGC_27con	HGC_27004	NOTEST	0.12787	0.10642	-0.264914	1
PCSK4	HGC_27con	HGC_27004	OK	7.44793	6.19941	-0.264709	0.4737
MICA	HGC_27con	HGC_27004	OK	2.27153	1.89085	-0.26463	0.6322
AXIN2	HGC_27con	HGC_27004	OK	27.48	22.8753	-0.26459	0.3284
CD55	HGC_27con	HGC_27004	OK	19.7183	16.4149	-0.264525	0.392
JTB	HGC_27con	HGC_27004	OK	117.629	97.929	-0.26444	0.4222
VWA9	HGC_27con	HGC_27004	OK	17.4588	14.5403	-0.263889	0.3741
PHOSPHO2	HGC_27con	HGC_27004	OK	4.41645	3.67823	-0.263875	0.7661
PODXL2	HGC_27con	HGC_27004	OK	12.2989	10.2445	-0.263676	0.3874
OR7E14P	HGC_27con	HGC_27004	NOTEST	0.26709	0.22248	-0.26362	1
IFT27	HGC_27con	HGC_27004	OK	18.4159	15.3425	-0.263418	0.4503
RAB42	HGC_27con	HGC_27004	OK	0.39454	0.3287	-0.263414	0.7831
HSD17B13	HGC_27con	HGC_27004	OK	0.3416	0.28462	-0.263292	0.73
HAUS4	HGC_27con	HGC_27004	OK	39.6748	33.0605	-0.263115	0.3453
ISY1-RAB43	HGC_27con	HGC_27004	OK	2.29945	1.91617	-0.263059	0.5996
ZNF613	HGC_27con	HGC_27004	OK	1.03123	0.85942	-0.262925	0.6475
NRBP2	HGC_27con	HGC_27004	OK	7.68617	6.40569	-0.262909	0.4026
MT1X	HGC_27con	HGC_27004	OK	101.041	84.2361	-0.262429	0.4751
AKAP12	HGC_27con	HGC_27004	OK	5.81018	4.84392	-0.262407	0.3461
NR1D1	HGC_27con	HGC_27004	OK	7.42919	6.1938	-0.262379	0.6641

FKRP	HGC_27con	HGC_27004	OK	5.98255	4.98814	-0.262258	0.6954
C17orf97	HGC_27con	HGC_27004	OK	1.45683	1.2147	-0.26223	0.6788
TTC30A	HGC_27con	HGC_27004	OK	1.95252	1.62805	-0.26219	0.5258
NOP14-AS1	HGC_27con	HGC_27004	OK	1.41774	1.18215	-0.262184	0.8273
ATG9A	HGC_27con	HGC_27004	OK	21.4959	17.9244	-0.262138	0.3419
IKBKG	HGC_27con	HGC_27004	OK	16.2477	13.5492	-0.262028	0.5272
APRT	HGC_27con	HGC_27004	OK	192.558	160.587	-0.261938	0.3324
MYADM	HGC_27con	HGC_27004	OK	10.5069	8.76302	-0.26184	0.4222
HEXDC	HGC_27con	HGC_27004	OK	16.2695	13.5701	-0.261741	0.5978
SLC41A1	HGC_27con	HGC_27004	OK	8.06286	6.72528	-0.261698	0.376
NFIC	HGC_27con	HGC_27004	OK	22.4262	18.706	-0.261688	0.3123
MGAT3	HGC_27con	HGC_27004	OK	1.7796	1.48444	-0.261634	0.5257
SMC2-AS1	HGC_27con	HGC_27004	NOTEST	0.02396	0.01999	-0.261472	1
SCP2	HGC_27con	HGC_27004	OK	28.067	23.4148	-0.26145	0.3861
C19orf73	HGC_27con	HGC_27004	OK	1.08134	0.90214	-0.261404	0.9075
OGFOD3	HGC_27con	HGC_27004	OK	3.4892	2.91119	-0.26129	0.6881
TMEM59	HGC_27con	HGC_27004	OK	22.1943	18.5186	-0.261216	0.5842
ATAT1	HGC_27con	HGC_27004	OK	4.70223	3.92372	-0.261124	0.5363
LAT	HGC_27con	HGC_27004	OK	0.98324	0.82046	-0.261115	0.6992
LINC01504	HGC_27con	HGC_27004	OK	2.73675	2.28366	-0.261115	0.7182
RPGRIP1L	HGC_27con	HGC_27004	OK	2.29977	1.91906	-0.261088	0.448
TMEM203	HGC_27con	HGC_27004	OK	26.0618	21.7481	-0.261049	0.4021
PLEKHM3	HGC_27con	HGC_27004	OK	2.03128	1.69519	-0.260949	0.4496
LOC100132356	HGC_27con	HGC_27004	OK	3.31427	2.76602	-0.260878	0.7901
TALDO1	HGC_27con	HGC_27004	OK	100.114	83.5567	-0.260818	0.3406
NEURL2	HGC_27con	HGC_27004	OK	3.39123	2.8306	-0.2607	0.6963
SHROOM4	HGC_27con	HGC_27004	NOTEST	0.01454	0.01214	-0.260599	1
CRY2	HGC_27con	HGC_27004	OK	5.21494	4.35382	-0.260369	0.4252
STAT5A	HGC_27con	HGC_27004	NOTEST	0.07745	0.06466	-0.260336	1
SIRT7	HGC_27con	HGC_27004	OK	10.8796	9.08339	-0.260326	0.4622
FBXO4	HGC_27con	HGC_27004	OK	9.65473	8.06101	-0.260276	0.4731
PPAP2A	HGC_27con	HGC_27004	OK	27.1339	22.6573	-0.260123	0.662
LENEP	HGC_27con	HGC_27004	OK	0.75362	0.6293	-0.260088	0.8148
TPTEP1	HGC_27con	HGC_27004	OK	5.50824	4.60089	-0.259677	0.5924
FENDRR	HGC_27con	HGC_27004	OK	10.6745	8.91762	-0.259433	0.3831
SDCBP2	HGC_27con	HGC_27004	OK	0.73615	0.61501	-0.259399	0.8862
ZNF133	HGC_27con	HGC_27004	OK	4.40476	3.68031	-0.259235	0.4853
LRRC37A3	HGC_27con	HGC_27004	OK	1.49811	1.2519	-0.259021	0.6029
SLC46A3	HGC_27con	HGC_27004	OK	3.23115	2.70015	-0.25901	0.5429
NPIPB15	HGC_27con	HGC_27004	OK	2.86591	2.39499	-0.258975	0.6293
CA11	HGC_27con	HGC_27004	OK	16.2841	13.6101	-0.258786	0.381
LINC01158	HGC_27con	HGC_27004	OK	7.50398	6.27221	-0.258682	0.6307
EEDP1	HGC_27con	HGC_27004	OK	1.60774	1.34388	-0.258626	0.5527
SAMD1	HGC_27con	HGC_27004	OK	52.1159	43.566	-0.258522	0.3706
ARHGAP31-AS1	HGC_27con	HGC_27004	OK	0.4179	0.34935	-0.258515	0.7041
MNX1	HGC_27con	HGC_27004	OK	7.52556	6.29153	-0.258388	0.5244
NAALAD2	HGC_27con	HGC_27004	NOTEST	0.09605	0.08031	-0.258274	1
YIPF1	HGC_27con	HGC_27004	OK	12.0796	10.1	-0.258224	0.444
MARCH8	HGC_27con	HGC_27004	OK	3.91558	3.27409	-0.258133	0.446
RALGAPA2	HGC_27con	HGC_27004	OK	1.87289	1.56606	-0.258124	0.4564
SCAND1	HGC_27con	HGC_27004	OK	69.2457	57.9043	-0.258053	0.393
FBLIM1	HGC_27con	HGC_27004	OK	5.42078	4.53335	-0.257923	0.4881
ATP6V0D1	HGC_27con	HGC_27004	OK	32.7342	27.3761	-0.257879	0.3868
CNN2	HGC_27con	HGC_27004	OK	73.1226	61.1572	-0.257794	0.33

ESRG	HGC_27con	HGC_27004	OK	0.71204	0.59553	-0.257786	0.6982
BIVM-ERCC5	HGC_27con	HGC_27004	OK	1.43064	1.19655	-0.25778	0.7376
AKR1A1	HGC_27con	HGC_27004	OK	77.4844	64.8073	-0.257749	0.3363
CCDC144NL-AS1	HGC_27con	HGC_27004	OK	5.30054	4.43356	-0.257672	0.4824
FAU	HGC_27con	HGC_27004	OK	870.326	727.974	-0.257669	0.388
NFE2L1	HGC_27con	HGC_27004	OK	64.2651	53.7568	-0.25759	0.3137
CSTB	HGC_27con	HGC_27004	OK	100.245	83.8624	-0.25743	0.366
THTPA	HGC_27con	HGC_27004	OK	7.49244	6.26805	-0.257419	0.7028
LOC100132215	HGC_27con	HGC_27004	OK	1.87307	1.56707	-0.25733	0.8837
WDR91	HGC_27con	HGC_27004	OK	4.41289	3.69228	-0.257212	0.4335
INO80B	HGC_27con	HGC_27004	OK	18.4007	15.3972	-0.257091	0.6705
CIRBP-AS1	HGC_27con	HGC_27004	OK	1.75937	1.4724	-0.256892	0.8283
PLEKHB1	HGC_27con	HGC_27004	OK	1.63211	1.36616	-0.256605	0.6467
ATG16L2	HGC_27con	HGC_27004	OK	3.09932	2.5943	-0.256604	0.572
TRADD	HGC_27con	HGC_27004	OK	16.686	13.968	-0.256513	0.472
LOC101927305	HGC_27con	HGC_27004	OK	1.56981	1.31413	-0.256478	0.7267
STAT4	HGC_27con	HGC_27004	NOTEST	0.06476	0.05421	-0.256418	1
OPTN	HGC_27con	HGC_27004	OK	7.81134	6.53937	-0.256417	0.4002
PIM1	HGC_27con	HGC_27004	OK	13.9672	11.6954	-0.256104	0.4174
UFSP1	HGC_27con	HGC_27004	OK	1.36876	1.14644	-0.255717	0.7375
LOC644656	HGC_27con	HGC_27004	OK	2.52447	2.11452	-0.255647	0.6692
CTGLF12P	HGC_27con	HGC_27004	NOTEST	0.09792	0.08203	-0.255451	1
SLC26A7	HGC_27con	HGC_27004	OK	1.09205	0.91494	-0.255297	0.6912
ZNF428	HGC_27con	HGC_27004	OK	16.5394	13.8605	-0.254931	0.445
FAHD2B	HGC_27con	HGC_27004	OK	7.4137	6.21384	-0.25471	0.5299
JOSD2	HGC_27con	HGC_27004	OK	21.3822	17.9243	-0.254492	0.4943
ALDH3B1	HGC_27con	HGC_27004	OK	47.6878	39.9795	-0.254362	0.3488
PRDM7	HGC_27con	HGC_27004	NOTEST	0.05022	0.0421	-0.254314	1
TDRKH	HGC_27con	HGC_27004	OK	7.40904	6.21362	-0.253852	0.4265
UCP3	HGC_27con	HGC_27004	OK	0.33376	0.27994	-0.253678	0.7445
COL3A1	HGC_27con	HGC_27004	OK	564.433	473.439	-0.253621	0.3348
C17orf59	HGC_27con	HGC_27004	OK	10.8903	9.13513	-0.253551	0.4667
NOA1	HGC_27con	HGC_27004	OK	32.8669	27.5701	-0.253534	0.3658
CHMP6	HGC_27con	HGC_27004	OK	7.37039	6.18292	-0.253452	0.5281
MFSD7	HGC_27con	HGC_27004	OK	2.0114	1.6874	-0.253402	0.7561
KIAA2013	HGC_27con	HGC_27004	OK	27.3501	22.9472	-0.253227	0.378
LAMTOR2	HGC_27con	HGC_27004	OK	75.5432	63.3853	-0.253154	0.3898
NAGPA	HGC_27con	HGC_27004	OK	6.71118	5.63114	-0.253138	0.5074
UBE2J2	HGC_27con	HGC_27004	OK	27.4927	23.0704	-0.253003	0.3862
NR4A3	HGC_27con	HGC_27004	OK	0.3674	0.30835	-0.252769	0.7052
MAU2	HGC_27con	HGC_27004	OK	21.1816	17.7774	-0.252765	0.3571
NBR2	HGC_27con	HGC_27004	OK	22.6774	19.034	-0.252677	0.4293
LOC101928336	HGC_27con	HGC_27004	OK	0.49686	0.41709	-0.252468	0.7258
ZGLP1	HGC_27con	HGC_27004	OK	3.39943	2.85371	-0.252453	0.5824
AP1S2	HGC_27con	HGC_27004	OK	16.8283	14.127	-0.252432	0.4063
UGDH-AS1	HGC_27con	HGC_27004	OK	22.528	18.9148	-0.252199	0.8183
UQCC1	HGC_27con	HGC_27004	OK	9.82092	8.24586	-0.252189	0.4275
KGFLP1	HGC_27con	HGC_27004	OK	1.01901	0.85558	-0.252186	0.691
CLDN22	HGC_27con	HGC_27004	OK	1.59789	1.34185	-0.251953	0.8401
CRACR2B	HGC_27con	HGC_27004	OK	0.78593	0.66002	-0.25189	0.7307
TAS2R20	HGC_27con	HGC_27004	OK	0.93178	0.78251	-0.251866	0.883
PRR12	HGC_27con	HGC_27004	OK	6.89983	5.79505	-0.251739	0.394
MC1R	HGC_27con	HGC_27004	OK	8.97286	7.5368	-0.251616	0.4294
IFT80	HGC_27con	HGC_27004	OK	6.37017	5.351	-0.251524	0.7261

TEP1	HGC_27con	HGC_27004	OK	2.71581	2.2814	-0.251464	0.4248
TMEM222	HGC_27con	HGC_27004	OK	16.1137	13.539	-0.251161	0.4507
SIPA1	HGC_27con	HGC_27004	OK	9.61382	8.07783	-0.251142	0.43
SIPA1L1	HGC_27con	HGC_27004	OK	11.7174	9.84627	-0.250999	0.3469
CAPG	HGC_27con	HGC_27004	OK	32.472	27.2867	-0.250997	0.3836
ADCK3	HGC_27con	HGC_27004	OK	5.7683	4.84746	-0.250915	0.4807
SPDYA	HGC_27con	HGC_27004	NOTEST	0.28438	0.23902	-0.25064	1
WIPI2	HGC_27con	HGC_27004	OK	16.2855	13.6897	-0.250501	0.3668
ZNF347	HGC_27con	HGC_27004	NOTEST	0.17673	0.14856	-0.250498	1
S1PR3	HGC_27con	HGC_27004	OK	6.16919	5.18589	-0.250491	0.4404
TMEM177	HGC_27con	HGC_27004	OK	10.612	8.9235	-0.250015	0.5302
TRIM6	HGC_27con	HGC_27004	OK	2.93305	2.46645	-0.24997	0.5464
FAAH	HGC_27con	HGC_27004	OK	0.89831	0.7556	-0.249598	0.7035
PTGES3L	HGC_27con	HGC_27004	OK	1.25282	1.05385	-0.249504	0.8624
KIF27	HGC_27con	HGC_27004	OK	1.52724	1.28485	-0.249322	0.528
AKR7L	HGC_27con	HGC_27004	NOTEST	0.09595	0.08073	-0.249182	1
DSC3	HGC_27con	HGC_27004	NOTEST	0.08627	0.07259	-0.24915	1
LAMTOR1	HGC_27con	HGC_27004	OK	45.1171	37.9634	-0.249066	0.7278
RPS16	HGC_27con	HGC_27004	OK	2072.14	1743.62	-0.249032	0.3295
FTO	HGC_27con	HGC_27004	OK	13.8628	11.6653	-0.249	0.3673
MALAT1	HGC_27con	HGC_27004	OK	88.4789	74.4555	-0.248955	0.3353
MIR636	HGC_27con	HGC_27004	OK	18.5772	15.6348	-0.248766	0.6747
IBA57-AS1	HGC_27con	HGC_27004	OK	0.875	0.73647	-0.248646	0.8409
SYNGR1	HGC_27con	HGC_27004	OK	11.2962	9.50821	-0.248597	0.5423
DCPS	HGC_27con	HGC_27004	OK	28.5436	24.0262	-0.248561	0.4202
GAS6	HGC_27con	HGC_27004	OK	8.42947	7.09572	-0.248494	0.4725
ARHGEF18	HGC_27con	HGC_27004	OK	9.9314	8.36005	-0.248485	0.3879
PPP1R3F	HGC_27con	HGC_27004	OK	2.40609	2.02541	-0.248478	0.5688
ITFG2	HGC_27con	HGC_27004	OK	7.44481	6.26724	-0.248405	0.4836
SCPEP1	HGC_27con	HGC_27004	OK	25.347	21.3392	-0.248313	0.3879
MRPL55	HGC_27con	HGC_27004	OK	68.9806	58.0737	-0.248307	0.4549
DLL1	HGC_27con	HGC_27004	OK	1.46924	1.23706	-0.248151	0.6423
RHOC	HGC_27con	HGC_27004	OK	57.2056	48.1663	-0.24813	0.3738
FLVCR1-AS1	HGC_27con	HGC_27004	OK	4.59449	3.86854	-0.248114	0.6243
PPP2R4	HGC_27con	HGC_27004	OK	61.9885	52.1956	-0.248073	0.3512
NANOG	HGC_27con	HGC_27004	NOTEST	0.11107	0.09353	-0.247917	1
HTRA1	HGC_27con	HGC_27004	OK	25.15	21.1793	-0.247908	0.4042
LINC00116	HGC_27con	HGC_27004	OK	4.07175	3.42901	-0.247854	0.5732
DNAL1	HGC_27con	HGC_27004	OK	3.85813	3.24916	-0.247836	0.398
PACSIN1	HGC_27con	HGC_27004	NOTEST	0.17784	0.14978	-0.247675	1
FARP2	HGC_27con	HGC_27004	OK	3.42448	2.88446	-0.247584	0.7452
ISL2	HGC_27con	HGC_27004	OK	5.51787	4.64785	-0.247549	0.5862
MAST3	HGC_27con	HGC_27004	OK	8.27874	6.97344	-0.24754	0.3937
OTOP1	HGC_27con	HGC_27004	OK	0.41159	0.34675	-0.247336	0.7702
KDM4D	HGC_27con	HGC_27004	OK	0.55888	0.4709	-0.247115	0.7058
PPP2CB	HGC_27con	HGC_27004	OK	41.9011	35.3058	-0.247084	0.3721
ERGIC3	HGC_27con	HGC_27004	OK	116.715	98.3488	-0.247012	0.348
GGT7	HGC_27con	HGC_27004	OK	12.6637	10.6711	-0.246992	0.4229
FAM46A	HGC_27con	HGC_27004	OK	10.1063	8.51662	-0.246898	0.391
ETV1	HGC_27con	HGC_27004	OK	3.17334	2.67492	-0.246508	0.4579
PNRC1	HGC_27con	HGC_27004	OK	43.8416	36.9573	-0.246443	0.3793
CKMT2-AS1	HGC_27con	HGC_27004	OK	3.11942	2.62972	-0.246368	0.7752
LOC283038	HGC_27con	HGC_27004	NOTEST	0.06435	0.05425	-0.246292	1
YIF1A	HGC_27con	HGC_27004	OK	117.901	99.399	-0.246269	0.3647

CKMT1A	HGC_27con	HGC_27004	NOTEST	0.30758	0.25932	-0.246219	1
GSTK1	HGC_27con	HGC_27004	OK	63.5185	53.5528	-0.246215	0.3793
AP4M1	HGC_27con	HGC_27004	OK	15.6716	13.2132	-0.246175	0.8391
ACOT2	HGC_27con	HGC_27004	OK	36.3131	30.619	-0.246063	0.3902
ADRB1	HGC_27con	HGC_27004	OK	5.8771	4.95567	-0.246026	0.518
SEMA6A	HGC_27con	HGC_27004	OK	10.4929	8.84786	-0.246009	0.3847
PARTICL	HGC_27con	HGC_27004	OK	2.31815	1.95495	-0.245842	0.6701
NDUFB5	HGC_27con	HGC_27004	OK	60.2948	50.8598	-0.245508	0.3969
GSDMB	HGC_27con	HGC_27004	OK	1.82066	1.53577	-0.245506	0.6436
TEAD3	HGC_27con	HGC_27004	OK	7.01405	5.91662	-0.245474	0.4634
HDAC4	HGC_27con	HGC_27004	OK	3.4752	2.93208	-0.245171	0.4411
PCDHB16	HGC_27con	HGC_27004	OK	1.44745	1.22127	-0.245128	0.598
LINC00858	HGC_27con	HGC_27004	NOTEST	0.15423	0.13015	-0.244872	1
SLC35G1	HGC_27con	HGC_27004	OK	6.32384	5.33775	-0.244571	0.52
DDIT4	HGC_27con	HGC_27004	OK	331.804	280.075	-0.244519	0.3313
CEP295	HGC_27con	HGC_27004	OK	2.34847	1.98266	-0.244282	0.449
SPHK2	HGC_27con	HGC_27004	OK	9.36598	7.90715	-0.244273	0.9046
ICK	HGC_27con	HGC_27004	OK	4.81581	4.06584	-0.244224	0.44
TOM1	HGC_27con	HGC_27004	OK	10.5195	8.88153	-0.244181	0.4383
KIAA0922	HGC_27con	HGC_27004	OK	8.32209	7.02642	-0.244157	0.3986
HMG20B	HGC_27con	HGC_27004	OK	84.7064	71.5226	-0.244071	0.3677
C11orf49	HGC_27con	HGC_27004	OK	13.8399	11.687	-0.243923	0.6935
ATP6V1F	HGC_27con	HGC_27004	OK	83.0884	70.1665	-0.243864	0.3903
LARP6	HGC_27con	HGC_27004	OK	37.4864	31.6578	-0.243808	0.6646
FUT3	HGC_27con	HGC_27004	NOTEST	0.2836	0.23952	-0.243727	1
ACAD11	HGC_27con	HGC_27004	OK	7.97995	6.73956	-0.243725	0.6104
GIT2	HGC_27con	HGC_27004	OK	5.76547	4.86932	-0.243718	0.4631
BBIP1	HGC_27con	HGC_27004	OK	10.827	9.14417	-0.243704	0.7156
UNC119	HGC_27con	HGC_27004	OK	15.4236	13.0277	-0.243556	0.4632
LARP7	HGC_27con	HGC_27004	OK	8.18341	6.9124	-0.243516	0.4738
RREB1	HGC_27con	HGC_27004	OK	6.93927	5.86212	-0.243363	0.3803
UBLCP1	HGC_27con	HGC_27004	OK	18.4324	15.5713	-0.24336	0.4102
ABTB2	HGC_27con	HGC_27004	OK	4.75331	4.01565	-0.2433	0.4807
SREBF2	HGC_27con	HGC_27004	OK	61.9699	52.3536	-0.243277	0.3408
LRRC45	HGC_27con	HGC_27004	OK	7.29933	6.16666	-0.243275	0.4861
PEX11A	HGC_27con	HGC_27004	OK	2.20362	1.86211	-0.242931	0.6045
CYTH1	HGC_27con	HGC_27004	OK	8.60339	7.27102	-0.242747	0.4362
RPLP1	HGC_27con	HGC_27004	OK	8003.92	6764.83	-0.242653	0.3554
LOC100379224	HGC_27con	HGC_27004	OK	1.8559	1.56871	-0.242539	0.6126
TMTC1	HGC_27con	HGC_27004	OK	2.23307	1.88765	-0.242435	0.4785
BABAM1	HGC_27con	HGC_27004	OK	51.3424	43.4026	-0.24237	0.3669
MAP3K11	HGC_27con	HGC_27004	OK	18.1852	15.3747	-0.242206	0.4001
DNPH1	HGC_27con	HGC_27004	OK	140.724	118.976	-0.242202	0.3888
DUXAP8	HGC_27con	HGC_27004	OK	2.13865	1.80825	-0.242101	0.6289
SLMAP	HGC_27con	HGC_27004	OK	7.08941	5.99422	-0.242093	0.4016
PTCSC3	HGC_27con	HGC_27004	NOTEST	0.15272	0.12913	-0.242065	1
TMEM132A	HGC_27con	HGC_27004	OK	26.2701	22.213	-0.242013	0.3742
ANKDD1A	HGC_27con	HGC_27004	OK	1.36499	1.15425	-0.241929	0.6547
ALKBH4	HGC_27con	HGC_27004	OK	6.57506	5.56006	-0.241905	0.6771
ENG	HGC_27con	HGC_27004	OK	16.3943	13.8646	-0.241785	0.409
SATL1	HGC_27con	HGC_27004	OK	1.02396	0.86598	-0.241747	0.8475
LOC101928063	HGC_27con	HGC_27004	OK	0.88919	0.75202	-0.241727	0.757
NDUFB4	HGC_27con	HGC_27004	OK	122.236	103.381	-0.241701	0.4086
ANKRD20A12P	HGC_27con	HGC_27004	OK	5.09331	4.30871	-0.241348	0.5214

PPP4C	HGC_27con	HGC_27004	OK	55.6375	47.0704	-0.241237	0.3857
HYI	HGC_27con	HGC_27004	OK	4.75107	4.01985	-0.241109	0.8313
BBS5	HGC_27con	HGC_27004	OK	10.314	8.72671	-0.241099	0.4442
HAGH	HGC_27con	HGC_27004	OK	31.9839	27.0651	-0.240911	0.4138
MSH5-SAPCD1	HGC_27con	HGC_27004	OK	3.38454	2.86423	-0.240809	0.6378
ZNF786	HGC_27con	HGC_27004	OK	5.52305	4.67431	-0.240711	0.4918
MAP3K10	HGC_27con	HGC_27004	OK	3.63403	3.0756	-0.240703	0.5562
TMEM54	HGC_27con	HGC_27004	OK	10.5412	8.92363	-0.240343	0.5965
FAM21EP	HGC_27con	HGC_27004	NOTEST	0.12865	0.10891	-0.240264	1
RFX1	HGC_27con	HGC_27004	OK	8.00377	6.77689	-0.240057	0.4542
GPR108	HGC_27con	HGC_27004	OK	34.3996	29.1265	-0.240055	0.3894
SLC35F6	HGC_27con	HGC_27004	OK	11.163	9.452	-0.240033	0.4316
RPS11	HGC_27con	HGC_27004	OK	1674.53	1417.9	-0.240001	0.3426
LOC100129203	HGC_27con	HGC_27004	NOTEST	0.25427	0.21531	-0.239976	1
WDR37	HGC_27con	HGC_27004	OK	4.83662	4.09553	-0.239949	0.4795
SDF4	HGC_27con	HGC_27004	OK	85.938	72.7731	-0.239891	0.3528
INSM1	HGC_27con	HGC_27004	OK	4.02539	3.40908	-0.239748	0.6176
TMUB2	HGC_27con	HGC_27004	OK	13.6131	11.5296	-0.239647	0.4358
TTC29	HGC_27con	HGC_27004	OK	0.88011	0.74551	-0.239465	0.7049
CDKN1B	HGC_27con	HGC_27004	OK	41.04	34.7659	-0.239358	0.3831
CAB39L	HGC_27con	HGC_27004	OK	2.93345	2.48511	-0.239288	0.5421
DEF8	HGC_27con	HGC_27004	OK	17.751	15.0381	-0.239281	0.5194
TAF1C	HGC_27con	HGC_27004	OK	13.2607	11.2349	-0.23917	0.4145
SEC14L1	HGC_27con	HGC_27004	OK	20.016	16.9614	-0.238901	0.4275
GBAT2	HGC_27con	HGC_27004	OK	2.60691	2.20929	-0.23876	0.8409
DYRK1B	HGC_27con	HGC_27004	OK	9.93441	8.41934	-0.238728	0.4726
ECH1	HGC_27con	HGC_27004	OK	62.1036	52.6326	-0.238721	0.3919
EFHC1	HGC_27con	HGC_27004	OK	3.46823	2.93986	-0.238454	0.4719
LRP5L	HGC_27con	HGC_27004	OK	2.0658	1.75112	-0.238425	0.6493
SDC3	HGC_27con	HGC_27004	OK	11.6158	9.84657	-0.238398	0.405
DEPDC7	HGC_27con	HGC_27004	OK	5.54809	4.70373	-0.238186	0.5352
LIPT2	HGC_27con	HGC_27004	OK	2.81073	2.38324	-0.23802	0.7272
CYP27B1	HGC_27con	HGC_27004	OK	2.8327	2.40209	-0.23789	0.6242
MAMDC4	HGC_27con	HGC_27004	OK	1.81333	1.53774	-0.237836	0.6462
MMRN2	HGC_27con	HGC_27004	OK	0.45036	0.38195	-0.237713	0.7093
SUOX	HGC_27con	HGC_27004	OK	11.2492	9.54084	-0.237639	0.4533
MTRNR2L1	HGC_27con	HGC_27004	OK	7.85333	6.66202	-0.237346	0.5319
TMEM141	HGC_27con	HGC_27004	OK	29.9473	25.4053	-0.237296	0.4582
ZSCAN5A	HGC_27con	HGC_27004	OK	0.75111	0.63723	-0.237211	0.7073
C8orf82	HGC_27con	HGC_27004	OK	23.7643	20.1625	-0.237119	0.5919
C6orf163	HGC_27con	HGC_27004	OK	0.43283	0.36725	-0.237031	0.7686
ITSN1	HGC_27con	HGC_27004	OK	4.82504	4.09437	-0.236898	0.4379
TSPYL2	HGC_27con	HGC_27004	OK	13.5298	11.4833	-0.236605	0.4124
TIMMDC1	HGC_27con	HGC_27004	OK	24.5674	20.8523	-0.236536	0.4284
EOGT	HGC_27con	HGC_27004	OK	1.50026	1.27357	-0.236336	0.6141
CTDP1	HGC_27con	HGC_27004	OK	5.4811	4.65298	-0.236311	0.4771
DKKL1	HGC_27con	HGC_27004	OK	0.50375	0.42786	-0.235586	0.8126
TEN1	HGC_27con	HGC_27004	OK	23.209	19.7142	-0.235447	0.6414
MIR181A2HG	HGC_27con	HGC_27004	OK	2.06827	1.75701	-0.2353	0.8522
PRKCZ	HGC_27con	HGC_27004	OK	8.71441	7.40303	-0.235287	0.6352
PROSC	HGC_27con	HGC_27004	OK	17.4893	14.8589	-0.235149	0.4127
LMBRD1	HGC_27con	HGC_27004	OK	7.63563	6.48789	-0.234999	0.5205
CETN2	HGC_27con	HGC_27004	OK	22.2186	18.8812	-0.234821	0.4682
SRP14	HGC_27con	HGC_27004	OK	108.626	92.3099	-0.234811	0.3688

KIF26A	HGC_27con	HGC_27004	OK	20.0655	17.0522	-0.234753	0.3838
FBXW9	HGC_27con	HGC_27004	OK	12.1908	10.3606	-0.234682	0.5171
SMIM8	HGC_27con	HGC_27004	OK	1.96598	1.67093	-0.234594	0.6535
GLG1	HGC_27con	HGC_27004	OK	23.3345	19.8327	-0.234588	0.3605
SNORA48	HGC_27con	HGC_27004	OK	45.8309	38.9533	-0.234575	0.9158
SLC35E2	HGC_27con	HGC_27004	OK	5.24275	4.45632	-0.234469	0.5177
SHB	HGC_27con	HGC_27004	OK	2.88879	2.45572	-0.234317	0.5061
BTN3A2	HGC_27con	HGC_27004	OK	0.8113	0.68974	-0.234171	0.6726
RTKN	HGC_27con	HGC_27004	OK	10.8395	9.21554	-0.234154	0.4664
EFNA4	HGC_27con	HGC_27004	OK	14.9052	12.674	-0.233938	0.8431
NOSIP	HGC_27con	HGC_27004	OK	20.9677	17.8298	-0.233878	0.4718
RAI2	HGC_27con	HGC_27004	NOTEST	0.03909	0.03324	-0.233759	1
GPR3	HGC_27con	HGC_27004	NOTEST	0.1667	0.1418	-0.233419	1
CHAD	HGC_27con	HGC_27004	OK	0.68687	0.5843	-0.233319	0.9003
RSG1	HGC_27con	HGC_27004	OK	1.83277	1.55917	-0.233246	0.7063
LINC00598	HGC_27con	HGC_27004	NOTEST	0.10518	0.08949	-0.233088	1
ARSK	HGC_27con	HGC_27004	OK	3.09006	2.62923	-0.232998	0.5737
KLHL20	HGC_27con	HGC_27004	OK	5.62339	4.7853	-0.232831	0.4826
EXOC7	HGC_27con	HGC_27004	OK	16.4591	14.0065	-0.23279	0.3857
URGCP	HGC_27con	HGC_27004	OK	9.59593	8.16694	-0.232627	0.6194
AP2A2	HGC_27con	HGC_27004	OK	17.1203	14.5736	-0.232349	0.3987
MICALL2	HGC_27con	HGC_27004	OK	4.36959	3.71999	-0.232199	0.5406
ITGB3	HGC_27con	HGC_27004	NOTEST	0.26752	0.22777	-0.23206	1
C6orf203	HGC_27con	HGC_27004	OK	5.00682	4.26342	-0.231884	0.5955
CUEDC1	HGC_27con	HGC_27004	OK	13.5926	11.5749	-0.231819	0.4279
POU2AF1	HGC_27con	HGC_27004	NOTEST	0.14907	0.12695	-0.231773	1
HRSF12	HGC_27con	HGC_27004	OK	13.1106	11.165	-0.231745	0.5382
LOC101928161	HGC_27con	HGC_27004	OK	3.50022	2.98087	-0.231709	0.8848
KCTD18	HGC_27con	HGC_27004	OK	7.22887	6.15673	-0.231605	0.4825
LDHD	HGC_27con	HGC_27004	OK	1.46314	1.24619	-0.231544	0.7073
CLK2	HGC_27con	HGC_27004	OK	22.1991	18.9081	-0.231499	0.4183
SNX8	HGC_27con	HGC_27004	OK	7.16507	6.1031	-0.231437	0.4297
ZNF608	HGC_27con	HGC_27004	OK	1.06961	0.91109	-0.231415	0.5939
LOC100129434	HGC_27con	HGC_27004	OK	34.6385	29.5063	-0.231356	0.4808
C1orf145	HGC_27con	HGC_27004	OK	3.74714	3.19198	-0.231339	0.8876
DXO	HGC_27con	HGC_27004	OK	10.5109	8.95379	-0.23132	0.5785
NFRKB	HGC_27con	HGC_27004	OK	4.99781	4.25751	-0.231286	0.4641
ARHGEF9	HGC_27con	HGC_27004	OK	5.30309	4.51765	-0.23126	0.4488
AASDH	HGC_27con	HGC_27004	OK	4.29273	3.65718	-0.231162	0.5178
ASPRV1	HGC_27con	HGC_27004	OK	1.72645	1.4709	-0.231106	0.7347
MYOM3	HGC_27con	HGC_27004	NOTEST	0.05085	0.04333	-0.231079	1
TIAM2	HGC_27con	HGC_27004	OK	0.46055	0.39243	-0.230924	0.7714
EXD1	HGC_27con	HGC_27004	NOTEST	0.17658	0.15047	-0.230782	1
SH3BP5L	HGC_27con	HGC_27004	OK	10.2606	8.74436	-0.230692	0.4537
SNAI1	HGC_27con	HGC_27004	OK	7.30954	6.23002	-0.230543	0.5869
MAGI2-AS3	HGC_27con	HGC_27004	OK	32.8672	28.0146	-0.230467	0.6297
GIGYF1	HGC_27con	HGC_27004	OK	8.99892	7.67051	-0.23043	0.4176
PLAT	HGC_27con	HGC_27004	NOTEST	0.20064	0.17102	-0.230416	1
YPEL5	HGC_27con	HGC_27004	OK	10.9247	9.31224	-0.230395	0.4834
ASB16-AS1	HGC_27con	HGC_27004	OK	11.2388	9.58055	-0.230308	0.5741
LOC102724699	HGC_27con	HGC_27004	OK	9.71235	8.27995	-0.230199	0.5196
CYB561A3	HGC_27con	HGC_27004	OK	21.5142	18.3418	-0.230155	0.8117
SIRT3	HGC_27con	HGC_27004	OK	9.50303	8.10224	-0.230065	0.6694
ZC3H10	HGC_27con	HGC_27004	OK	3.47265	2.96084	-0.230031	0.5991

C19orf60	HGC_27con	HGC_27004	OK	66.2636	56.4994	-0.229979	0.4407
SORL1	HGC_27con	HGC_27004	OK	5.13762	4.38078	-0.229912	0.4195
SPATA2	HGC_27con	HGC_27004	OK	3.77426	3.2183	-0.229895	0.5466
CASP9	HGC_27con	HGC_27004	OK	2.73455	2.33195	-0.229768	0.6137
MTA2	HGC_27con	HGC_27004	OK	40.499	34.5391	-0.229657	0.3845
OGFR	HGC_27con	HGC_27004	OK	11.2104	9.56086	-0.22962	0.4557
MED15	HGC_27con	HGC_27004	OK	15.696	13.3874	-0.22952	0.4365
DOC2A	HGC_27con	HGC_27004	OK	7.10024	6.05609	-0.229483	0.7055
PLAC8L1	HGC_27con	HGC_27004	OK	0.4312	0.3678	-0.229448	0.8394
DUSP18	HGC_27con	HGC_27004	OK	3.38241	2.88531	-0.229324	0.6141
CCPG1	HGC_27con	HGC_27004	OK	25.3536	21.6282	-0.229274	0.4295
HRK	HGC_27con	HGC_27004	OK	1.77849	1.51721	-0.229232	0.7124
RRAGA	HGC_27con	HGC_27004	OK	60.4175	51.5444	-0.229149	0.4039
SKIV2L	HGC_27con	HGC_27004	OK	12.1132	10.3351	-0.22903	0.5866
LOC153684	HGC_27con	HGC_27004	OK	2.08759	1.78115	-0.22903	0.7735
PEF1	HGC_27con	HGC_27004	OK	20.7985	17.7455	-0.229025	0.4459
KBTBD11	HGC_27con	HGC_27004	OK	16.3976	13.9912	-0.228964	0.4108
POLL	HGC_27con	HGC_27004	OK	28.4702	24.2932	-0.228901	0.4151
WIZ	HGC_27con	HGC_27004	OK	25.6253	21.8668	-0.22883	0.3977
STK16	HGC_27con	HGC_27004	OK	11.4902	9.80514	-0.228793	0.4611
CDK5RAP3	HGC_27con	HGC_27004	OK	72.0361	61.4761	-0.228693	0.3803
SNX19	HGC_27con	HGC_27004	OK	10.397	8.87324	-0.228637	0.4273
WBP2	HGC_27con	HGC_27004	OK	33.7271	28.7862	-0.228527	0.4205
MIR6723	HGC_27con	HGC_27004	OK	121315	103547	-0.22847	0.378
BCKDHA	HGC_27con	HGC_27004	OK	20.737	17.7007	-0.228396	0.4663
DAG1	HGC_27con	HGC_27004	OK	10.5171	8.97762	-0.228332	0.428
L3HYPDH	HGC_27con	HGC_27004	OK	16.2683	13.8878	-0.228246	0.5088
ACAA2	HGC_27con	HGC_27004	OK	40.9089	34.9232	-0.228231	0.4049
HIST2H2BC	HGC_27con	HGC_27004	OK	15.5308	13.2595	-0.228113	0.6666
STX11	HGC_27con	HGC_27004	OK	0.44806	0.38254	-0.228095	0.7197
ZNF169	HGC_27con	HGC_27004	OK	1.3772	1.17582	-0.228071	0.6555
ZNF546	HGC_27con	HGC_27004	OK	0.68087	0.58132	-0.22805	0.6328
HOOK2	HGC_27con	HGC_27004	OK	14.3529	12.2567	-0.227767	0.4409
ZNF331	HGC_27con	HGC_27004	OK	2.99901	2.56105	-0.227752	0.5173
SCD	HGC_27con	HGC_27004	OK	492.342	420.445	-0.227743	0.3915
MDH1B	HGC_27con	HGC_27004	OK	0.65628	0.56046	-0.227701	0.8714
PITPNM2	HGC_27con	HGC_27004	OK	2.15082	1.83692	-0.227601	0.547
PAX3	HGC_27con	HGC_27004	OK	1.91203	1.63328	-0.227334	0.6989
UBASH3B	HGC_27con	HGC_27004	OK	1.24149	1.06053	-0.227287	0.5859
PDGFA	HGC_27con	HGC_27004	OK	11.617	9.92389	-0.22726	0.475
CRMP1	HGC_27con	HGC_27004	OK	1.75898	1.50282	-0.227067	0.647
NMB	HGC_27con	HGC_27004	OK	4.08778	3.49282	-0.226926	0.7013
SLC6A6	HGC_27con	HGC_27004	OK	3.24175	2.76994	-0.226918	0.4961
CHD3	HGC_27con	HGC_27004	OK	28.2948	24.1785	-0.226813	0.3797
MCAT	HGC_27con	HGC_27004	OK	8.84921	7.56255	-0.226676	0.5176
PDE4A	HGC_27con	HGC_27004	OK	15.6594	13.3827	-0.226666	0.4088
MIR4787	HGC_27con	HGC_27004	OK	22.3352	19.0897	-0.226523	0.4043
ZNF467	HGC_27con	HGC_27004	OK	45.0058	38.4669	-0.226494	0.4262
ZNF444	HGC_27con	HGC_27004	OK	12.9379	11.0585	-0.226451	0.5019
TXNRD2	HGC_27con	HGC_27004	OK	12.546	10.7259	-0.22613	0.7175
VPS18	HGC_27con	HGC_27004	OK	6.3239	5.40653	-0.226111	0.4851
SEZ6L2	HGC_27con	HGC_27004	OK	28.5308	24.3936	-0.226015	0.3996
MROH1	HGC_27con	HGC_27004	OK	2.11927	1.81197	-0.22601	0.6214
ZSWIM1	HGC_27con	HGC_27004	OK	5.60142	4.78941	-0.225945	0.5378

RTFDC1	HGC_27con	HGC_27004	OK	38.4546	32.8809	-0.225909	0.4061
STK19	HGC_27con	HGC_27004	NOTEST	6.65724	5.69233	-0.225904	1
NOB1	HGC_27con	HGC_27004	OK	70.4928	60.2821	-0.225746	0.3986
LOC100128494	HGC_27con	HGC_27004	OK	24.5481	20.9952	-0.225552	0.6769
CNTNAP3B	HGC_27con	HGC_27004	OK	0.9105	0.77873	-0.225538	0.6379
AK5	HGC_27con	HGC_27004	NOTEST	0.06495	0.05555	-0.22545	1
CISH	HGC_27con	HGC_27004	OK	1.20897	1.03412	-0.225369	0.7173
GBAP1	HGC_27con	HGC_27004	OK	2.61757	2.23917	-0.225267	0.8356
RPS25	HGC_27con	HGC_27004	OK	2317.14	1982.52	-0.225015	0.3815
PIN1	HGC_27con	HGC_27004	OK	82.2944	70.4175	-0.224861	0.405
PIR	HGC_27con	HGC_27004	OK	12.4006	10.6109	-0.224851	0.51
PI4KB	HGC_27con	HGC_27004	OK	15.7614	13.4876	-0.224755	0.517
HEXIM2	HGC_27con	HGC_27004	OK	9.54373	8.167	-0.224748	0.5605
ZNF646	HGC_27con	HGC_27004	OK	8.99128	7.6953	-0.224548	0.4379
TMEM80	HGC_27con	HGC_27004	OK	11.7339	10.0451	-0.224189	0.6971
SRXN1	HGC_27con	HGC_27004	OK	19.8229	16.9727	-0.223953	0.4332
C16orf58	HGC_27con	HGC_27004	OK	73.087	62.5789	-0.223939	0.3912
TUBBP5	HGC_27con	HGC_27004	OK	0.37789	0.32358	-0.22382	0.7573
FBLN1	HGC_27con	HGC_27004	OK	124.106	106.272	-0.223809	0.3883
AP1B1	HGC_27con	HGC_27004	OK	21.3399	18.2739	-0.223768	0.4154
FKBP11	HGC_27con	HGC_27004	OK	9.30629	7.96933	-0.223749	0.6579
SLC12A9	HGC_27con	HGC_27004	OK	12.7514	10.92	-0.223684	0.4664
RNPEPL1	HGC_27con	HGC_27004	OK	23.9696	20.5272	-0.223668	0.4344
CSF1	HGC_27con	HGC_27004	OK	2.48787	2.13062	-0.223636	0.5758
ECE2	HGC_27con	HGC_27004	OK	7.09878	6.07995	-0.22351	0.6561
CLK4	HGC_27con	HGC_27004	OK	6.29664	5.39367	-0.223315	0.5207
DEXI	HGC_27con	HGC_27004	OK	15.3613	13.1607	-0.223063	0.5309
TRIM16	HGC_27con	HGC_27004	OK	10.5077	9.00259	-0.223032	0.4683
MROH6	HGC_27con	HGC_27004	OK	2.66906	2.28679	-0.223011	0.6524
STYXL1	HGC_27con	HGC_27004	OK	18.895	16.1898	-0.22292	0.4777
GFOD1	HGC_27con	HGC_27004	OK	8.72618	7.47721	-0.222851	0.5551
RPLP2	HGC_27con	HGC_27004	OK	3388.03	2903.23	-0.222789	0.3853
TAF1L	HGC_27con	HGC_27004	OK	1.68527	1.44414	-0.222766	0.5391
RBMS2	HGC_27con	HGC_27004	OK	5.59684	4.79608	-0.222757	0.7052
TUBA8	HGC_27con	HGC_27004	OK	0.37851	0.32436	-0.222736	0.7707
TBC1D16	HGC_27con	HGC_27004	OK	6.54551	5.6095	-0.222633	0.513
RAB5B	HGC_27con	HGC_27004	OK	23.6266	20.2483	-0.222613	0.3974
POSTN	HGC_27con	HGC_27004	OK	105.086	90.0658	-0.222523	0.3852
SRRM2-AS1	HGC_27con	HGC_27004	OK	1.91564	1.64184	-0.222513	0.909
KCNK1	HGC_27con	HGC_27004	OK	29.5327	25.3122	-0.222477	0.4327
SEPT14	HGC_27con	HGC_27004	NOTEST	0.22847	0.19582	-0.222439	1
IRAK1BP1	HGC_27con	HGC_27004	OK	4.15676	3.56287	-0.222421	0.5467
PRAME	HGC_27con	HGC_27004	OK	22.0116	18.8685	-0.222287	0.431
HEATR6	HGC_27con	HGC_27004	OK	5.5285	4.73907	-0.222282	0.4925
LOC113230	HGC_27con	HGC_27004	OK	6.80601	5.8342	-0.222276	0.6304
TRAPPC5	HGC_27con	HGC_27004	OK	131.768	112.964	-0.222134	0.4605
ADAP1	HGC_27con	HGC_27004	OK	11.1919	9.59475	-0.222134	0.4955
CCDC169	HGC_27con	HGC_27004	OK	1.33221	1.14217	-0.222046	0.8369
PDE4DIP	HGC_27con	HGC_27004	OK	6.05834	5.1942	-0.222021	0.8133
MACROD1	HGC_27con	HGC_27004	OK	30.7611	26.376	-0.221881	0.5918
MAP1A	HGC_27con	HGC_27004	OK	3.13926	2.69185	-0.221829	0.7192
ILVBL	HGC_27con	HGC_27004	OK	87.6434	75.1574	-0.22173	0.4216
LOC643406	HGC_27con	HGC_27004	OK	1.41904	1.2169	-0.22171	0.6248
LOC105376360	HGC_27con	HGC_27004	OK	1.99324	1.70932	-0.221692	0.6619

PTPN14	HGC_27con	HGC_27004	OK	6.30202	5.40496	-0.22153	0.4183
MSX1	HGC_27con	HGC_27004	OK	12.1819	10.4486	-0.221417	0.5206
DGCR14	HGC_27con	HGC_27004	OK	3.22475	2.766	-0.221389	0.5286
LRP10	HGC_27con	HGC_27004	OK	25.9117	22.226	-0.221353	0.4282
SLC9A1	HGC_27con	HGC_27004	OK	4.52864	3.88452	-0.221341	0.5253
GORASP1	HGC_27con	HGC_27004	OK	5.96005	5.11294	-0.221171	0.6322
TRAFD1	HGC_27con	HGC_27004	OK	11.6977	10.0358	-0.221059	0.4423
PKI55	HGC_27con	HGC_27004	OK	1.62205	1.39169	-0.220977	0.6495
NF2	HGC_27con	HGC_27004	OK	6.82911	5.85954	-0.220908	0.4741
QSOX2	HGC_27con	HGC_27004	OK	20.1925	17.3264	-0.220853	0.4174
HOXD3	HGC_27con	HGC_27004	OK	1.91914	1.64678	-0.220818	0.7009
FBRS	HGC_27con	HGC_27004	OK	18.6199	15.9777	-0.220788	0.4301
CTNNAL1	HGC_27con	HGC_27004	OK	33.501	28.7483	-0.220729	0.4104
CALML4	HGC_27con	HGC_27004	OK	2.52516	2.16706	-0.220638	0.541
GALNT10	HGC_27con	HGC_27004	OK	4.82381	4.13975	-0.22063	0.4815
KCNMB2-AS1	HGC_27con	HGC_27004	OK	0.71909	0.61712	-0.220618	0.7497
SH3D21	HGC_27con	HGC_27004	OK	0.4889	0.41961	-0.220497	0.7462
PNMA6A	HGC_27con	HGC_27004	NOTEST	1.71465	1.47163	-0.220497	1
SWAP70	HGC_27con	HGC_27004	OK	12.3914	10.636	-0.220388	0.4264
SNF8	HGC_27con	HGC_27004	OK	47.1793	40.4967	-0.22035	0.4365
FKBP8	HGC_27con	HGC_27004	OK	157.39	135.098	-0.220343	0.3867
EBPL	HGC_27con	HGC_27004	OK	84.4793	72.5166	-0.220285	0.437
RPS21	HGC_27con	HGC_27004	OK	2201.75	1890.23	-0.220094	0.3919
COTL1	HGC_27con	HGC_27004	OK	31.151	26.7437	-0.220078	0.4531
SH3PXD2A	HGC_27con	HGC_27004	OK	5.81412	4.9918	-0.22	0.426
PTCH2	HGC_27con	HGC_27004	OK	0.60659	0.52081	-0.219966	0.7345
LOC101926964	HGC_27con	HGC_27004	NOTEST	0.09025	0.07748	-0.219957	1
COPS7A	HGC_27con	HGC_27004	OK	25.8308	22.1796	-0.219864	0.4513
STRADA	HGC_27con	HGC_27004	OK	11.8619	10.1852	-0.219858	0.4855
MRPL36	HGC_27con	HGC_27004	OK	74.1541	63.6735	-0.219834	0.4801
AAR2	HGC_27con	HGC_27004	OK	14.9832	12.8657	-0.21982	0.4584
CD160	HGC_27con	HGC_27004	NOTEST	0.29747	0.25548	-0.219514	1
EEF2	HGC_27con	HGC_27004	OK	2678.5	2300.45	-0.219506	0.4458
EIF3F	HGC_27con	HGC_27004	OK	315.601	271.066	-0.219461	0.3957
C1orf53	HGC_27con	HGC_27004	OK	29.2139	25.0916	-0.219451	0.5816
RPS18	HGC_27con	HGC_27004	OK	3441.93	2956.41	-0.219371	0.4016
S1PR5	HGC_27con	HGC_27004	OK	5.18301	4.45267	-0.219119	0.5752
GDPGP1	HGC_27con	HGC_27004	OK	1.91452	1.64476	-0.21911	0.5089
DMWD	HGC_27con	HGC_27004	OK	11.4655	9.85005	-0.21909	0.4901
RPS19	HGC_27con	HGC_27004	OK	1150.41	988.381	-0.21901	0.3973
PSMD5-AS1	HGC_27con	HGC_27004	OK	9.0824	7.8037	-0.218915	0.4684
ZNF358	HGC_27con	HGC_27004	OK	79.5472	68.3488	-0.218895	0.4299
TXNDC16	HGC_27con	HGC_27004	OK	5.86645	5.04059	-0.218894	0.4745
SNX25	HGC_27con	HGC_27004	OK	9.99656	8.58985	-0.218798	0.4592
PLEKHA7	HGC_27con	HGC_27004	OK	0.40736	0.35006	-0.218704	0.7229
SNX29	HGC_27con	HGC_27004	OK	1.86302	1.60098	-0.218688	0.5296
RPS12	HGC_27con	HGC_27004	OK	3279.47	2818.24	-0.218668	0.3952
TMEM259	HGC_27con	HGC_27004	OK	78.7353	67.6667	-0.218564	0.4139
FAM188A	HGC_27con	HGC_27004	OK	16.3891	14.0864	-0.218434	0.4773
ARMC5	HGC_27con	HGC_27004	OK	16.0819	13.8233	-0.218334	0.4573
CDIPT	HGC_27con	HGC_27004	OK	29.3676	25.2444	-0.218261	0.4514
ZNRF2P1	HGC_27con	HGC_27004	OK	3.70594	3.18574	-0.218208	0.6718
PSMD4	HGC_27con	HGC_27004	OK	96.2667	82.7587	-0.218125	0.416
PYROXD1	HGC_27con	HGC_27004	OK	4.86494	4.18254	-0.218043	0.6945

CH17-340M24.3	HGC_27con	HGC_27004	OK	5.60884	4.82229	-0.217984	0.7259
PPFIA3	HGC_27con	HGC_27004	OK	11.3697	9.7753	-0.217982	0.437
TRIM16L	HGC_27con	HGC_27004	OK	14.413	12.3936	-0.217773	0.4959
ZBED6CL	HGC_27con	HGC_27004	OK	5.65293	4.86098	-0.217752	0.6623
IDUA	HGC_27con	HGC_27004	OK	11.6893	10.0538	-0.217449	0.5714
SPRYD4	HGC_27con	HGC_27004	OK	11.2409	9.66815	-0.217442	0.527
ARHGAP1	HGC_27con	HGC_27004	OK	19.1266	16.4508	-0.217429	0.4473
EID2	HGC_27con	HGC_27004	OK	9.53373	8.2006	-0.217311	0.5644
C1orf233	HGC_27con	HGC_27004	OK	24.1269	20.7548	-0.217197	0.4935
RPL18A	HGC_27con	HGC_27004	OK	4831.84	4157.28	-0.216932	0.3985
SLC35B4	HGC_27con	HGC_27004	OK	6.51805	5.60876	-0.216758	0.4655
C2orf82	HGC_27con	HGC_27004	OK	2.83073	2.43608	-0.216613	0.8239
LRRC17	HGC_27con	HGC_27004	OK	2.13387	1.83638	-0.216605	0.6624
MFSD9	HGC_27con	HGC_27004	OK	3.43245	2.9541	-0.216521	0.6172
EPB41L3	HGC_27con	HGC_27004	OK	32.4634	27.9398	-0.216496	0.4062
TEX14	HGC_27con	HGC_27004	NOTEST	0.03808	0.03277	-0.21646	1
ERV3-1	HGC_27con	HGC_27004	OK	6.27916	5.40476	-0.21634	0.6386
ABHD17B	HGC_27con	HGC_27004	OK	14.3453	12.3478	-0.216321	0.4921
SNX17	HGC_27con	HGC_27004	OK	37.5681	32.339	-0.216232	0.44
ZNF277	HGC_27con	HGC_27004	OK	10.474	9.01641	-0.216192	0.4793
DBIL5P2	HGC_27con	HGC_27004	NOTEST	0.12459	0.10725	-0.216177	1
TCEB3-AS1	HGC_27con	HGC_27004	OK	9.07079	7.80896	-0.216098	0.7694
NAT6	HGC_27con	HGC_27004	OK	4.59541	3.95618	-0.216084	0.7234
IER5L	HGC_27con	HGC_27004	OK	13.8622	11.9341	-0.216071	0.5166
MYLK4	HGC_27con	HGC_27004	NOTEST	0.16428	0.14145	-0.215848	1
TSC22D4	HGC_27con	HGC_27004	OK	15.7761	13.5839	-0.215842	0.5
SPTBN5	HGC_27con	HGC_27004	NOTEST	0.0809	0.06967	-0.215618	1
SPATA1	HGC_27con	HGC_27004	NOTEST	0.06282	0.0541	-0.215607	1
STAT5B	HGC_27con	HGC_27004	OK	8.72808	7.51651	-0.215602	0.459
TTC21B	HGC_27con	HGC_27004	OK	1.74674	1.50428	-0.215584	0.588
DEDD2	HGC_27con	HGC_27004	OK	5.35404	4.61089	-0.215583	0.6306
BCDIN3D-AS1	HGC_27con	HGC_27004	OK	0.59257	0.51032	-0.21557	0.8306
CHKB	HGC_27con	HGC_27004	OK	8.90019	7.66494	-0.215562	0.649
NREP	HGC_27con	HGC_27004	OK	38.5131	33.1683	-0.215544	0.5679
ZNF777	HGC_27con	HGC_27004	OK	10.6361	9.16034	-0.215497	0.489
DNAJB7	HGC_27con	HGC_27004	OK	0.41201	0.35487	-0.21541	0.9164
GMEB1	HGC_27con	HGC_27004	OK	2.19495	1.89054	-0.215385	0.6266
FUZ	HGC_27con	HGC_27004	OK	19.8978	17.1383	-0.215385	0.7319
HIVEP2	HGC_27con	HGC_27004	OK	1.15818	0.99758	-0.215354	0.5603
ALDH4A1	HGC_27con	HGC_27004	OK	8.05956	6.94308	-0.215124	0.4972
MICB	HGC_27con	HGC_27004	OK	5.1117	4.40362	-0.215112	0.5672
SLC16A11	HGC_27con	HGC_27004	NOTEST	0.13799	0.11892	-0.21456	1
RABAC1	HGC_27con	HGC_27004	OK	117.729	101.462	-0.214537	0.4642
SYF2	HGC_27con	HGC_27004	OK	18.6707	16.0931	-0.214333	0.4585
DNTTIP1	HGC_27con	HGC_27004	OK	19.9249	17.1766	-0.214127	0.4933
ARNTL	HGC_27con	HGC_27004	OK	3.01948	2.60307	-0.214085	0.5936
ZNF219	HGC_27con	HGC_27004	OK	11.029	9.50864	-0.213996	0.7123
ARHGAP9	HGC_27con	HGC_27004	NOTEST	0.20202	0.17418	-0.213943	1
CCDC150	HGC_27con	HGC_27004	OK	0.85869	0.74048	-0.21367	0.6628
CAPZB	HGC_27con	HGC_27004	OK	43.94	37.8923	-0.21363	0.431
LINC01296	HGC_27con	HGC_27004	OK	1.06649	0.9197	-0.21363	0.7577
NAIP	HGC_27con	HGC_27004	OK	3.59473	3.10015	-0.213543	0.5099
LOC728743	HGC_27con	HGC_27004	OK	0.77102	0.66494	-0.21354	0.7347
ZNF658	HGC_27con	HGC_27004	OK	0.51413	0.44343	-0.213435	0.7181

SBNO2	HGC_27con	HGC_27004	OK	15.1583	13.0747	-0.213336	0.4509
C1QTNF3	HGC_27con	HGC_27004	OK	0.74737	0.64471	-0.213164	0.8577
ROCK1	HGC_27con	HGC_27004	OK	10.6888	9.2209	-0.213121	0.4287
WDR24	HGC_27con	HGC_27004	OK	11.1452	9.61503	-0.213061	0.4961
PPP3R2	HGC_27con	HGC_27004	NOTEST	0.06817	0.05882	-0.212983	1
SYT2	HGC_27con	HGC_27004	NOTEST	0.07561	0.06523	-0.212958	1
CHRM3	HGC_27con	HGC_27004	OK	2.2003	1.89836	-0.212945	0.6584
RPL28	HGC_27con	HGC_27004	OK	679.932	586.628	-0.212944	0.4925
CTSB	HGC_27con	HGC_27004	OK	38.8459	33.5176	-0.212847	0.424
NPAS1	HGC_27con	HGC_27004	OK	3.48731	3.00945	-0.212616	0.6808
H6PD	HGC_27con	HGC_27004	OK	9.61681	8.30002	-0.212443	0.4398
LINC00959	HGC_27con	HGC_27004	OK	0.39916	0.34454	-0.212314	0.8221
PPP4R1-AS1	HGC_27con	HGC_27004	NOTEST	0.16639	0.14363	-0.212247	1
TRIM21	HGC_27con	HGC_27004	OK	1.82036	1.57133	-0.212241	0.6782
BLZF1	HGC_27con	HGC_27004	OK	4.50822	3.8922	-0.211972	0.6596
KIAA0355	HGC_27con	HGC_27004	OK	5.47222	4.72451	-0.211964	0.4891
SFR1	HGC_27con	HGC_27004	OK	3.62537	3.13003	-0.211952	0.6583
ADAR	HGC_27con	HGC_27004	OK	33.0586	28.5442	-0.211827	0.4198
MYEOV2	HGC_27con	HGC_27004	OK	73.6512	63.5944	-0.211809	0.5209
ZNF286B	HGC_27con	HGC_27004	OK	0.56564	0.48843	-0.21172	0.773
NSMCE1	HGC_27con	HGC_27004	OK	45.2086	39.045	-0.21146	0.4601
TPM2	HGC_27con	HGC_27004	OK	28.9808	25.0303	-0.211419	0.4644
RAB29	HGC_27con	HGC_27004	OK	11.898	10.2764	-0.211386	0.4611
ARL6IP4	HGC_27con	HGC_27004	OK	31.4672	27.1807	-0.211266	0.4473
CYTH2	HGC_27con	HGC_27004	OK	14.1331	12.2096	-0.211065	0.4194
CHPF2	HGC_27con	HGC_27004	OK	9.15927	7.91285	-0.211034	0.486
ZBTB46	HGC_27con	HGC_27004	OK	2.7736	2.39645	-0.210863	0.7389
IRAK4	HGC_27con	HGC_27004	OK	10.6648	9.21511	-0.210779	0.4605
KLHL26	HGC_27con	HGC_27004	OK	1.83677	1.58727	-0.210625	0.6971
ZC3H13	HGC_27con	HGC_27004	OK	6.49711	5.61469	-0.210591	0.4473
FAM114A2	HGC_27con	HGC_27004	OK	6.27123	5.41993	-0.210474	0.5306
FBXO7	HGC_27con	HGC_27004	OK	54.6765	47.2556	-0.210436	0.4327
TFE3	HGC_27con	HGC_27004	OK	7.38755	6.38528	-0.210346	0.4839
STOX2	HGC_27con	HGC_27004	OK	1.89394	1.63699	-0.210341	0.6088
LOC100288798	HGC_27con	HGC_27004	OK	3.15347	2.72596	-0.210176	0.7703
TMEM67	HGC_27con	HGC_27004	OK	3.6727	3.17489	-0.210132	0.5602
TM7SF3	HGC_27con	HGC_27004	OK	23.5037	20.3235	-0.209741	0.4371
IVD	HGC_27con	HGC_27004	OK	21.3275	18.4421	-0.20971	0.435
TMEM161A	HGC_27con	HGC_27004	OK	45.6695	39.4928	-0.209644	0.4635
OST4	HGC_27con	HGC_27004	OK	252.245	218.131	-0.209629	0.5848
LMF1	HGC_27con	HGC_27004	OK	17.8389	15.4265	-0.209619	0.5072
PCDHB15	HGC_27con	HGC_27004	OK	0.80961	0.70028	-0.209292	0.7366
B3GNT4	HGC_27con	HGC_27004	OK	0.77072	0.66665	-0.209272	0.7853
MDM2	HGC_27con	HGC_27004	OK	5.15722	4.4609	-0.209259	0.4841
RPS10P7	HGC_27con	HGC_27004	OK	1.13174	0.979	-0.209157	0.7949
KIAA1522	HGC_27con	HGC_27004	OK	5.93741	5.13628	-0.209112	0.5278
SNCAIP	HGC_27con	HGC_27004	OK	10.0652	8.70825	-0.208926	0.4851
MRPS24	HGC_27con	HGC_27004	OK	204.477	176.911	-0.208912	0.5142
COL6A1	HGC_27con	HGC_27004	OK	52.612	45.5237	-0.208774	0.4196
DNMT3B	HGC_27con	HGC_27004	OK	7.31769	6.33209	-0.208705	0.4967
CDH12	HGC_27con	HGC_27004	NOTEST	0.19135	0.16559	-0.208601	1
FZD9	HGC_27con	HGC_27004	OK	1.21092	1.04792	-0.20858	0.7666
HBEGF	HGC_27con	HGC_27004	OK	0.82375	0.71293	-0.20844	0.7319
LIMA1	HGC_27con	HGC_27004	OK	27.2283	23.5668	-0.208351	0.4346

ZNF197	HGC_27con	HGC_27004	OK	2.63941	2.28457	-0.208295	0.5756
HOXA-AS2	HGC_27con	HGC_27004	NOTEST	0.3012	0.26072	-0.208228	1
CCDC71	HGC_27con	HGC_27004	OK	7.3824	6.39022	-0.208226	0.5712
UBXN6	HGC_27con	HGC_27004	OK	69.3559	60.0369	-0.20817	0.4387
ATP2A1	HGC_27con	HGC_27004	OK	0.69281	0.5998	-0.207984	0.8382
SCUBE2	HGC_27con	HGC_27004	NOTEST	0.02381	0.02061	-0.207954	1
PPIL2	HGC_27con	HGC_27004	OK	16.0861	13.9287	-0.207753	0.4869
ZBTB11-AS1	HGC_27con	HGC_27004	OK	2.93647	2.54266	-0.207742	0.7613
HSP90B1	HGC_27con	HGC_27004	OK	241.151	208.812	-0.207732	0.4135
PQLC1	HGC_27con	HGC_27004	OK	7.87781	6.82171	-0.20766	0.5641
FBXO27	HGC_27con	HGC_27004	NOTEST	0.20715	0.17938	-0.207655	1
DDR1	HGC_27con	HGC_27004	OK	13.9195	12.0539	-0.207609	0.4836
DGCR5	HGC_27con	HGC_27004	OK	0.83491	0.72316	-0.207307	0.8077
EFCAB5	HGC_27con	HGC_27004	NOTEST	0.16192	0.14025	-0.207294	1
C7orf43	HGC_27con	HGC_27004	OK	11.4738	9.93855	-0.207234	0.5265
POR	HGC_27con	HGC_27004	OK	31.1424	26.9761	-0.2072	0.4964
SLC45A4	HGC_27con	HGC_27004	OK	1.51442	1.31188	-0.207131	0.6685
ZNF165	HGC_27con	HGC_27004	NOTEST	0.27463	0.23795	-0.206839	1
IL15RA	HGC_27con	HGC_27004	NOTEST	0.1949	0.16887	-0.206824	1
RALGAPA1	HGC_27con	HGC_27004	OK	5.45934	4.73069	-0.206675	0.4733
TLE1	HGC_27con	HGC_27004	OK	13.7376	11.9041	-0.206668	0.4612
MAP3K12	HGC_27con	HGC_27004	OK	10.6606	9.23868	-0.20653	0.8871
MRPL41	HGC_27con	HGC_27004	OK	130.667	113.241	-0.206507	0.4707
KLHL29	HGC_27con	HGC_27004	OK	4.33787	3.75949	-0.20645	0.5431
CCDC107	HGC_27con	HGC_27004	OK	7.41863	6.42956	-0.206432	0.7363
NKX2-5	HGC_27con	HGC_27004	OK	20.9776	18.1819	-0.20635	0.5387
KIAA0430	HGC_27con	HGC_27004	OK	7.33512	6.35845	-0.206145	0.4618
LOC101926898	HGC_27con	HGC_27004	OK	29.2054	25.3178	-0.206082	0.4885
NID2	HGC_27con	HGC_27004	NOTEST	0.12709	0.11018	-0.206034	1
GM2A	HGC_27con	HGC_27004	OK	10.7585	9.32898	-0.205691	0.4894
FLJ12825	HGC_27con	HGC_27004	OK	0.44832	0.38876	-0.205641	0.7525
KIAA1467	HGC_27con	HGC_27004	OK	3.94903	3.42455	-0.205583	0.5457
ATP8B3	HGC_27con	HGC_27004	OK	2.44478	2.12012	-0.20556	0.5769
PCDHGA9	HGC_27con	HGC_27004	OK	0.78622	0.68185	-0.20548	0.8921
PARP14	HGC_27con	HGC_27004	OK	1.41812	1.22991	-0.20543	0.5755
ZNF574	HGC_27con	HGC_27004	OK	7.51818	6.52107	-0.205275	0.5656
SETD1A	HGC_27con	HGC_27004	OK	16.4041	14.2287	-0.20526	0.4422
AGFG2	HGC_27con	HGC_27004	OK	2.06135	1.78815	-0.20512	0.6172
SLC44A2	HGC_27con	HGC_27004	OK	31.3835	27.2257	-0.20504	0.4556
ZC3H6	HGC_27con	HGC_27004	OK	1.43993	1.24918	-0.205018	0.5582
GLT8D1	HGC_27con	HGC_27004	OK	19.8463	17.2174	-0.205002	0.7518
TIMM8B	HGC_27con	HGC_27004	OK	40.6098	35.2311	-0.20498	0.65
FKBP2	HGC_27con	HGC_27004	OK	83.2917	72.2659	-0.204857	0.4815
CD99L2	HGC_27con	HGC_27004	OK	19.9111	17.2758	-0.204821	0.4518
C12orf10	HGC_27con	HGC_27004	OK	72.8139	63.1771	-0.204812	0.4513
CPSF3L	HGC_27con	HGC_27004	OK	43.4872	37.7319	-0.204806	0.4626
TNRC18	HGC_27con	HGC_27004	OK	28.0797	24.3646	-0.204737	0.428
U2AF1L4	HGC_27con	HGC_27004	OK	18.0105	15.6278	-0.20473	0.5618
TPST1	HGC_27con	HGC_27004	OK	9.60545	8.33472	-0.20472	0.5505
ANGPTL2	HGC_27con	HGC_27004	OK	9.2283	8.00833	-0.204565	0.5443
GPAM	HGC_27con	HGC_27004	OK	2.33482	2.02619	-0.204543	0.5697
CENPT	HGC_27con	HGC_27004	OK	8.59123	7.45582	-0.204497	0.7687
RPS6KL1	HGC_27con	HGC_27004	OK	4.07121	3.53318	-0.204493	0.5244
COX19	HGC_27con	HGC_27004	OK	6.29653	5.46483	-0.204381	0.5064

SLC12A4	HGC_27con	HGC_27004	OK	5.60334	4.86364	-0.204249	0.5349
LOC400655	HGC_27con	HGC_27004	OK	8.46124	7.3446	-0.204184	0.5424
MYCBP	HGC_27con	HGC_27004	OK	9.26257	8.04021	-0.204181	0.5507
MAP3K14	HGC_27con	HGC_27004	OK	2.03232	1.76422	-0.204098	0.6262
GSTM3	HGC_27con	HGC_27004	OK	8.55459	7.42624	-0.204067	0.4823
DIXDC1	HGC_27con	HGC_27004	OK	8.1278	7.05592	-0.204032	0.4704
CLIP2	HGC_27con	HGC_27004	OK	1.72617	1.49854	-0.204013	0.5993
LOC100507577	HGC_27con	HGC_27004	OK	1.27734	1.10892	-0.203996	0.5039
CDKN2AIPNL	HGC_27con	HGC_27004	OK	25.7088	22.3201	-0.203917	0.5248
PRSS36	HGC_27con	HGC_27004	OK	1.71648	1.49028	-0.203874	0.7002
CDK10	HGC_27con	HGC_27004	OK	18.3636	15.9443	-0.203813	0.5476
ZNF853	HGC_27con	HGC_27004	OK	3.34635	2.90552	-0.20379	0.603
RPS5	HGC_27con	HGC_27004	OK	1196.19	1038.62	-0.203785	0.4227
LOC103611081	HGC_27con	HGC_27004	OK	2.19302	1.90413	-0.203784	0.6366
MOV10L1	HGC_27con	HGC_27004	OK	1.94891	1.69218	-0.203783	0.7547
MAP9	HGC_27con	HGC_27004	OK	2.10612	1.82878	-0.203704	0.5599
FAM231D	HGC_27con	HGC_27004	OK	4.70182	4.08294	-0.203612	0.704
FAM111B	HGC_27con	HGC_27004	OK	3.89393	3.38149	-0.203566	0.5572
ST3GAL2	HGC_27con	HGC_27004	OK	4.46832	3.88056	-0.203467	0.5629
ARAP1	HGC_27con	HGC_27004	OK	14.845	12.8937	-0.203312	0.4496
NME3	HGC_27con	HGC_27004	OK	3.04166	2.64195	-0.203257	0.7729
EBF4	HGC_27con	HGC_27004	OK	7.02515	6.10206	-0.203233	0.5689
HMG20A	HGC_27con	HGC_27004	OK	15.3814	13.3612	-0.203134	0.4689
IFT81	HGC_27con	HGC_27004	OK	5.69119	4.94388	-0.203089	0.5409
ABCA1	HGC_27con	HGC_27004	OK	18.7347	16.2753	-0.203022	0.4361
C9orf142	HGC_27con	HGC_27004	OK	35.4638	30.8137	-0.202774	0.5635
CASP3	HGC_27con	HGC_27004	OK	10.848	9.42651	-0.202631	0.515
MTFMT	HGC_27con	HGC_27004	OK	5.46557	4.74958	-0.202572	0.5831
GOLGA8B	HGC_27con	HGC_27004	OK	5.19646	4.51594	-0.202503	0.5271
TBC1D13	HGC_27con	HGC_27004	OK	10.7701	9.35994	-0.202455	0.4888
SPR	HGC_27con	HGC_27004	OK	18.5902	16.1566	-0.202426	0.523
C14orf80	HGC_27con	HGC_27004	OK	36.1254	31.3975	-0.202364	0.4774
TP53BP2	HGC_27con	HGC_27004	OK	17.58	15.28	-0.202289	0.4494
BCL2L13	HGC_27con	HGC_27004	OK	13.9367	12.1136	-0.202262	0.4746
FAM216A	HGC_27con	HGC_27004	OK	12.8926	11.2066	-0.202192	0.6311
P3H2	HGC_27con	HGC_27004	OK	19.4487	16.9056	-0.202173	0.4638
RIMS3	HGC_27con	HGC_27004	OK	13.448	11.691	-0.201998	0.46
LOC102724927	HGC_27con	HGC_27004	OK	2.23732	1.94529	-0.201782	0.7226
MSH5	HGC_27con	HGC_27004	OK	8.34615	7.25683	-0.20177	0.6094
EYA4	HGC_27con	HGC_27004	OK	12.3152	10.7085	-0.201678	0.4737
PDZRN3	HGC_27con	HGC_27004	OK	4.42708	3.84958	-0.201653	0.5577
CBFA2T2	HGC_27con	HGC_27004	OK	5.54298	4.82016	-0.20158	0.4921
DAP	HGC_27con	HGC_27004	OK	80.2131	69.7532	-0.201579	0.4349
REPIN1	HGC_27con	HGC_27004	OK	76.8597	66.8378	-0.201563	0.4385
RPL41	HGC_27con	HGC_27004	OK	7262.98	6316.01	-0.201549	0.4436
PCSK6	HGC_27con	HGC_27004	OK	12.2316	10.6373	-0.201475	0.5279
WDR18	HGC_27con	HGC_27004	OK	111.055	96.5849	-0.201399	0.4491
SECISBP2L	HGC_27con	HGC_27004	OK	4.8224	4.19442	-0.201281	0.4813
TENM4	HGC_27con	HGC_27004	OK	3.35916	2.92185	-0.20122	0.4795
RGS16	HGC_27con	HGC_27004	OK	2.21624	1.92775	-0.2012	0.6774
CA12	HGC_27con	HGC_27004	OK	3.34456	2.90925	-0.201166	0.5733
DLX6	HGC_27con	HGC_27004	OK	9.62573	8.37362	-0.201044	0.5832
C16orf46	HGC_27con	HGC_27004	OK	1.16451	1.01303	-0.201043	0.7346
SRA1	HGC_27con	HGC_27004	OK	21.7572	18.9279	-0.200974	0.5061

E4F1	HGC_27con	HGC_27004	OK	11.0852	9.64451	-0.200852	0.5306
PPFIBP2	HGC_27con	HGC_27004	OK	4.86224	4.23061	-0.200756	0.5488
LINC00472	HGC_27con	HGC_27004	OK	0.40511	0.35258	-0.20038	0.7171
MED14OS	HGC_27con	HGC_27004	OK	1.15878	1.00863	-0.200218	0.4323
LRFN3	HGC_27con	HGC_27004	OK	12.8985	11.2271	-0.200213	0.5488
MAPKAPK5-AS1	HGC_27con	HGC_27004	OK	7.95767	6.92739	-0.200034	0.6503
UROD	HGC_27con	HGC_27004	OK	52.6055	45.7949	-0.200027	0.4647
AMBRA1	HGC_27con	HGC_27004	OK	6.50629	5.66487	-0.199792	0.5064
IGSF1	HGC_27con	HGC_27004	NOTEST	0.21018	0.183	-0.199756	1
COL21A1	HGC_27con	HGC_27004	OK	1.46229	1.2734	-0.199552	0.6413
DNASE1L1	HGC_27con	HGC_27004	OK	9.34572	8.13869	-0.19951	0.9131
HMGCR	HGC_27con	HGC_27004	OK	20.7319	18.0562	-0.199361	0.4509
SPEG	HGC_27con	HGC_27004	OK	11.7373	10.2232	-0.199251	0.6464
IKBKB	HGC_27con	HGC_27004	OK	5.45158	4.74849	-0.199205	0.5311
LINC00997	HGC_27con	HGC_27004	OK	5.56617	4.84871	-0.199084	0.5571
LOC403323	HGC_27con	HGC_27004	OK	8.58489	7.47902	-0.198951	0.6843
TRPS1	HGC_27con	HGC_27004	OK	40.8281	35.5751	-0.198696	0.4282
RPL18	HGC_27con	HGC_27004	OK	846.78	737.833	-0.198693	0.4422
DACH2	HGC_27con	HGC_27004	OK	3.10511	2.70563	-0.198678	0.6464
TMEM128	HGC_27con	HGC_27004	OK	16.8548	14.6866	-0.198659	0.5696
MVD	HGC_27con	HGC_27004	OK	26.346	22.9576	-0.198614	0.5017
N6AMT2	HGC_27con	HGC_27004	OK	3.07914	2.68314	-0.198601	0.7416
CA2	HGC_27con	HGC_27004	OK	4.67666	4.07524	-0.198592	0.679
DLST	HGC_27con	HGC_27004	OK	58.6237	51.0849	-0.198587	0.4596
ADAM15	HGC_27con	HGC_27004	OK	96.429	84.0345	-0.198485	0.4807
ZNF419	HGC_27con	HGC_27004	OK	1.31978	1.15017	-0.198454	0.7176
RNF139-AS1	HGC_27con	HGC_27004	OK	6.17008	5.37734	-0.198396	0.8448
LOC101927021	HGC_27con	HGC_27004	OK	7.63577	6.6548	-0.198377	0.5746
LOC100128361	HGC_27con	HGC_27004	OK	2.42949	2.11755	-0.198257	0.9226
NDNL2	HGC_27con	HGC_27004	OK	12.5373	10.9278	-0.198224	0.5401
CCDC91	HGC_27con	HGC_27004	OK	8.73885	7.61711	-0.1982	0.5348
SERHL	HGC_27con	HGC_27004	NOTEST	0.29974	0.2613	-0.198025	1
RPL19	HGC_27con	HGC_27004	OK	2055.73	1792.23	-0.197894	0.4485
VPS9D1	HGC_27con	HGC_27004	OK	3.54743	3.09276	-0.197879	0.8498
INCA1	HGC_27con	HGC_27004	OK	0.86538	0.75458	-0.197666	0.7809
HOXB-AS3	HGC_27con	HGC_27004	OK	1.08473	0.94597	-0.197469	0.8756
MRPS26	HGC_27con	HGC_27004	OK	36.8048	32.1006	-0.197293	0.5235
PTCD1	HGC_27con	HGC_27004	OK	7.87756	6.8707	-0.197291	0.7087
NDUFC1	HGC_27con	HGC_27004	OK	58.2211	50.7842	-0.197162	0.7196
JRK	HGC_27con	HGC_27004	OK	2.73022	2.38148	-0.197156	0.5635
TMCC2	HGC_27con	HGC_27004	OK	1.24856	1.08922	-0.196978	0.7038
MFS12	HGC_27con	HGC_27004	OK	27.4536	23.952	-0.196853	0.5049
KANK1	HGC_27con	HGC_27004	OK	8.23376	7.18404	-0.196757	0.4852
SLC4A1AP	HGC_27con	HGC_27004	OK	7.25727	6.33226	-0.196706	0.7145
SLC7A5P2	HGC_27con	HGC_27004	OK	0.50428	0.44001	-0.196696	0.7929
METAP1D	HGC_27con	HGC_27004	OK	5.48336	4.78453	-0.196684	0.6439
TMEM265	HGC_27con	HGC_27004	OK	3.19553	2.78855	-0.196538	0.6701
LINC01446	HGC_27con	HGC_27004	OK	1.46531	1.2787	-0.196522	0.6843
ARHGEF1	HGC_27con	HGC_27004	OK	9.24551	8.06844	-0.196464	0.519
SCG5	HGC_27con	HGC_27004	OK	0.48173	0.4204	-0.196456	0.8084
PXDN	HGC_27con	HGC_27004	OK	9.50806	8.2985	-0.1963	0.4854
FAM53A	HGC_27con	HGC_27004	OK	0.76796	0.6703	-0.196226	0.7703
WWC1	HGC_27con	HGC_27004	OK	4.11887	3.59512	-0.196209	0.5199
HGS	HGC_27con	HGC_27004	OK	29.3565	25.6269	-0.196023	0.4767

AK1	HGC_27con	HGC_27004	OK	14.4535	12.6173	-0.196015	0.5197
DHRS4L1	HGC_27con	HGC_27004	OK	0.97146	0.84812	-0.195886	0.7958
SSBP3-AS1	HGC_27con	HGC_27004	OK	0.47582	0.41545	-0.195744	0.913
BRAT1	HGC_27con	HGC_27004	OK	34.1803	29.8452	-0.195664	0.4763
SCNN1D	HGC_27con	HGC_27004	OK	4.42036	3.85976	-0.195654	0.6207
MAP3K3	HGC_27con	HGC_27004	OK	4.78702	4.17998	-0.195633	0.5721
ARFGAP1	HGC_27con	HGC_27004	OK	19.4172	16.9571	-0.195448	0.4923
GOT2	HGC_27con	HGC_27004	OK	57.9396	50.6006	-0.195396	0.4589
MUS81	HGC_27con	HGC_27004	OK	17.6399	15.4074	-0.195221	0.5174
RBM23	HGC_27con	HGC_27004	OK	21.3166	18.619	-0.195202	0.4909
ARID5A	HGC_27con	HGC_27004	OK	3.82205	3.33845	-0.195168	0.6512
GCC2	HGC_27con	HGC_27004	OK	2.69865	2.35747	-0.194999	0.5309
DDA1	HGC_27con	HGC_27004	OK	14.481	12.6509	-0.194914	0.5907
CEACAM19	HGC_27con	HGC_27004	OK	0.66521	0.58115	-0.194903	0.7718
LRR8D	HGC_27con	HGC_27004	OK	19.4239	16.9701	-0.194837	0.4703
LOC100506127	HGC_27con	HGC_27004	OK	3.34687	2.92424	-0.194752	0.5828
CROCCP3	HGC_27con	HGC_27004	OK	1.13084	0.98812	-0.194636	0.6752
SEMA4G	HGC_27con	HGC_27004	OK	0.35651	0.31152	-0.194634	0.9128
EXOSC4	HGC_27con	HGC_27004	OK	31.7352	27.7341	-0.194424	0.5601
SUFU	HGC_27con	HGC_27004	OK	10.6839	9.33758	-0.194325	0.5089
CSRP2	HGC_27con	HGC_27004	OK	18.7804	16.4143	-0.194275	0.5645
PLCB2	HGC_27con	HGC_27004	OK	4.5088	3.94086	-0.194234	0.5488
WDR17	HGC_27con	HGC_27004	OK	2.49309	2.17912	-0.194192	0.5586
RBBP6	HGC_27con	HGC_27004	OK	10.4488	9.13301	-0.194174	0.6348
TMEM240	HGC_27con	HGC_27004	NOTEST	0.12928	0.113	-0.194082	1
LOC101929516	HGC_27con	HGC_27004	OK	29.1386	25.4717	-0.194033	0.9237
METTL21A	HGC_27con	HGC_27004	OK	16.0782	14.0555	-0.193972	0.576
ZNF423	HGC_27con	HGC_27004	OK	2.28568	1.99821	-0.193915	0.6189
C6orf25	HGC_27con	HGC_27004	OK	0.40166	0.35116	-0.193881	0.7961
MANSC1	HGC_27con	HGC_27004	OK	2.11964	1.85319	-0.193808	0.7128
CNTNAP1	HGC_27con	HGC_27004	OK	18.6312	16.2897	-0.193764	0.4766
ANXA11	HGC_27con	HGC_27004	OK	29.2363	25.5644	-0.193624	0.49
TMEM9	HGC_27con	HGC_27004	OK	39.2722	34.3443	-0.19344	0.4903
CUBN	HGC_27con	HGC_27004	NOTEST	0.13972	0.12219	-0.193393	1
ATP6AP1	HGC_27con	HGC_27004	OK	74.5896	65.2387	-0.193247	0.4623
LOC100506302	HGC_27con	HGC_27004	OK	3.87365	3.38817	-0.193187	0.6742
HAX1	HGC_27con	HGC_27004	OK	94.6166	82.7699	-0.192987	0.4663
PARP4	HGC_27con	HGC_27004	OK	9.0242	7.89599	-0.192678	0.5008
LSG1	HGC_27con	HGC_27004	OK	8.62008	7.54401	-0.192369	0.5198
GALNT4	HGC_27con	HGC_27004	OK	0.79188	0.69303	-0.192365	0.7936
LINS	HGC_27con	HGC_27004	OK	3.55941	3.1151	-0.19236	0.6495
ABCG1	HGC_27con	HGC_27004	OK	23.8791	20.8984	-0.192357	0.4855
CDK5	HGC_27con	HGC_27004	OK	21.3645	18.698	-0.192335	0.5514
ZNF684	HGC_27con	HGC_27004	OK	1.92598	1.68563	-0.192311	0.7092
ANGEL1	HGC_27con	HGC_27004	OK	9.44462	8.26597	-0.19231	0.5206
LOC646471	HGC_27con	HGC_27004	OK	1.01903	0.89186	-0.192298	0.8297
PDIA3	HGC_27con	HGC_27004	OK	154.733	135.428	-0.192258	0.5466
TSPAN15	HGC_27con	HGC_27004	OK	4.68363	4.09931	-0.192244	0.6748
BCAS3	HGC_27con	HGC_27004	OK	13.7101	12.0007	-0.192112	0.503
XPR1	HGC_27con	HGC_27004	OK	29.395	25.7303	-0.192102	0.4638
FGGY	HGC_27con	HGC_27004	OK	4.77404	4.17911	-0.192015	0.6515
XAB2	HGC_27con	HGC_27004	OK	43.7207	38.273	-0.19199	0.4783
CFI	HGC_27con	HGC_27004	NOTEST	0.09079	0.07948	-0.191965	1
P3H4	HGC_27con	HGC_27004	OK	32.8559	28.7651	-0.191833	0.4861

LPP-AS2	HGC_27con	HGC_27004	OK	0.62891	0.55062	-0.191799	0.8891
ATCAY	HGC_27con	HGC_27004	NOTEST	0.06947	0.06082	-0.191748	1
STX1A	HGC_27con	HGC_27004	OK	3.72423	3.26127	-0.191509	0.6483
PHLDA2	HGC_27con	HGC_27004	OK	18.2995	16.0266	-0.191342	0.6697
JMJD8	HGC_27con	HGC_27004	OK	39.4422	34.5438	-0.191314	0.5904
TMEM61	HGC_27con	HGC_27004	NOTEST	0.04601	0.0403	-0.19125	1
TLL11	HGC_27con	HGC_27004	OK	1.63833	1.43511	-0.191062	0.7508
TRIM52-AS1	HGC_27con	HGC_27004	OK	11.1989	9.81044	-0.190965	0.665
RBPMS	HGC_27con	HGC_27004	OK	27.0711	23.7169	-0.190837	0.5749
ZNF852	HGC_27con	HGC_27004	OK	1.00454	0.88015	-0.190718	0.7486
IDI1	HGC_27con	HGC_27004	OK	48.3543	42.3668	-0.190709	0.4945
DTWD1	HGC_27con	HGC_27004	OK	9.61849	8.42884	-0.190476	0.557
RGMB-AS1	HGC_27con	HGC_27004	OK	1.1933	1.04586	-0.190264	0.8775
TKFC	HGC_27con	HGC_27004	OK	18.5553	16.2633	-0.190213	0.7575
IGBP1	HGC_27con	HGC_27004	OK	36.1052	31.6469	-0.190142	0.4953
ITM2B	HGC_27con	HGC_27004	OK	52.8939	46.3678	-0.189977	0.4928
NPIPB3	HGC_27con	HGC_27004	OK	0.86233	0.75601	-0.189848	0.756
ZNF764	HGC_27con	HGC_27004	OK	5.37437	4.71177	-0.189826	0.605
GRINA	HGC_27con	HGC_27004	OK	87.8126	76.9883	-0.189789	0.4702
AK9	HGC_27con	HGC_27004	OK	0.47592	0.41726	-0.189788	0.7856
CMTM4	HGC_27con	HGC_27004	OK	14.3181	12.5532	-0.189777	0.5083
CLUHP3	HGC_27con	HGC_27004	OK	2.76848	2.42724	-0.189775	0.6974
PEMT	HGC_27con	HGC_27004	OK	48.4005	42.4352	-0.189761	0.5472
TSC1	HGC_27con	HGC_27004	OK	5.11538	4.48525	-0.189654	0.4977
ZNF774	HGC_27con	HGC_27004	OK	0.37127	0.32554	-0.189638	0.8056
NADK	HGC_27con	HGC_27004	OK	29.0232	25.4483	-0.189637	0.4927
ACP2	HGC_27con	HGC_27004	OK	13.2476	11.6164	-0.189571	0.6251
PDXP	HGC_27con	HGC_27004	OK	30.9137	27.1074	-0.189556	0.5263
CELSR3-AS1	HGC_27con	HGC_27004	OK	1.64649	1.44378	-0.189536	0.8011
SSSCA1	HGC_27con	HGC_27004	OK	30.043	26.3506	-0.189194	0.5891
MYL12B	HGC_27con	HGC_27004	OK	113.64	99.6752	-0.18916	0.5767
MFSD3	HGC_27con	HGC_27004	OK	21.0574	18.4701	-0.189132	0.575
CHAC1	HGC_27con	HGC_27004	OK	33.0987	29.0321	-0.189125	0.5109
TRMT10B	HGC_27con	HGC_27004	OK	4.86114	4.26403	-0.189078	0.6049
RDH10	HGC_27con	HGC_27004	OK	6.73407	5.90695	-0.189066	0.5643
CDRT15P1	HGC_27con	HGC_27004	OK	0.50809	0.44571	-0.188985	0.8282
RFXANK	HGC_27con	HGC_27004	OK	77.6683	68.1326	-0.188979	0.592
WDR60	HGC_27con	HGC_27004	OK	5.19201	4.5551	-0.18881	0.5475
TFAMP1	HGC_27con	HGC_27004	NOTEST	0.09331	0.08186	-0.188771	1
HOXD9	HGC_27con	HGC_27004	OK	9.10944	7.99227	-0.188757	0.6233
THAP10	HGC_27con	HGC_27004	OK	5.53576	4.85688	-0.188751	0.8198
ZNF7	HGC_27con	HGC_27004	OK	5.88598	5.16466	-0.188608	0.5954
GLI4	HGC_27con	HGC_27004	OK	14.5978	12.809	-0.188594	0.6471
ZBTB42	HGC_27con	HGC_27004	OK	3.82467	3.35609	-0.188554	0.6266
OR8G2	HGC_27con	HGC_27004	OK	0.4536	0.39804	-0.188523	0.881
TMEM164	HGC_27con	HGC_27004	OK	11.9348	10.4735	-0.188436	0.4907
MED12	HGC_27con	HGC_27004	OK	10.6386	9.33598	-0.188428	0.5027
WDR26	HGC_27con	HGC_27004	OK	14.0451	12.3254	-0.188425	0.487
VWA7	HGC_27con	HGC_27004	NOTEST	0.32078	0.28152	-0.188316	1
C11orf72	HGC_27con	HGC_27004	OK	6.09331	5.34783	-0.188273	0.6049
AIP	HGC_27con	HGC_27004	OK	39.7786	34.9134	-0.188211	0.5119
PRR34	HGC_27con	HGC_27004	OK	0.70204	0.61619	-0.188168	0.845
ADAM9	HGC_27con	HGC_27004	OK	30.3091	26.6037	-0.188122	0.4782
HYOU1	HGC_27con	HGC_27004	OK	148.973	130.773	-0.187987	0.452

CCDC151	HGC_27con	HGC_27004	OK	1.1125	0.97664	-0.187903	0.7919
TMEM99	HGC_27con	HGC_27004	OK	9.73055	8.54244	-0.187873	0.7295
PIGM	HGC_27con	HGC_27004	OK	4.32488	3.79681	-0.187871	0.5977
PLEC	HGC_27con	HGC_27004	OK	19.6023	17.2103	-0.187751	0.4626
UTS2R	HGC_27con	HGC_27004	OK	0.66164	0.58091	-0.187731	0.8551
SYNPO	HGC_27con	HGC_27004	OK	6.86936	6.03157	-0.187642	0.5247
ITFG1	HGC_27con	HGC_27004	OK	15.154	13.3059	-0.187633	0.5131
RHOT2	HGC_27con	HGC_27004	OK	31.271	27.4575	-0.187624	0.5038
DDX58	HGC_27con	HGC_27004	NOTEST	0.31228	0.27421	-0.187599	1
TCTEX1D2	HGC_27con	HGC_27004	OK	17.6235	15.476	-0.18747	0.6466
ZFYVE27	HGC_27con	HGC_27004	OK	14.8177	13.0123	-0.187447	0.5149
ZNF106	HGC_27con	HGC_27004	OK	12.1346	10.6565	-0.187393	0.4774
KDM5C	HGC_27con	HGC_27004	OK	20.3283	17.8533	-0.187302	0.4797
RGL2	HGC_27con	HGC_27004	OK	7.13453	6.26673	-0.187104	0.5564
HIST1H2AJ	HGC_27con	HGC_27004	OK	0.38601	0.33906	-0.187084	0.8011
LOC101927188	HGC_27con	HGC_27004	OK	0.35344	0.31046	-0.187081	0.6028
SLC22A4	HGC_27con	HGC_27004	OK	0.76857	0.6751	-0.187067	0.855
SRF	HGC_27con	HGC_27004	OK	13.51	11.8671	-0.187061	0.5053
GAS6-AS2	HGC_27con	HGC_27004	OK	0.34276	0.3011	-0.186958	0.8228
LOC100506142	HGC_27con	HGC_27004	OK	0.50849	0.44669	-0.186956	0.8746
GLIPR2	HGC_27con	HGC_27004	OK	3.26605	2.86927	-0.186866	0.6736
MOB2	HGC_27con	HGC_27004	OK	5.75932	5.06063	-0.186583	0.6675
RBM41	HGC_27con	HGC_27004	OK	4.10951	3.61102	-0.186559	0.6087
OSER1	HGC_27con	HGC_27004	OK	11.8534	10.4157	-0.186538	0.5605
PDK3	HGC_27con	HGC_27004	OK	2.262	1.98781	-0.186423	0.7455
RCBTB2	HGC_27con	HGC_27004	OK	3.75293	3.29803	-0.186413	0.6242
KAT2A	HGC_27con	HGC_27004	OK	25.4786	22.3909	-0.186372	0.4953
GALR2	HGC_27con	HGC_27004	OK	0.62881	0.55261	-0.186356	0.8551
TTC31	HGC_27con	HGC_27004	OK	13.5608	11.9177	-0.186342	0.5656
TBCK	HGC_27con	HGC_27004	OK	3.4765	3.05533	-0.186311	0.7217
BDH2	HGC_27con	HGC_27004	OK	5.71638	5.0242	-0.186206	0.598
FIBCD1	HGC_27con	HGC_27004	OK	7.1288	6.26578	-0.186166	0.5918
EXOC3	HGC_27con	HGC_27004	OK	22.2802	19.5835	-0.186122	0.4986
NLGN1	HGC_27con	HGC_27004	OK	2.26963	1.99497	-0.186092	0.6339
RAD51-AS1	HGC_27con	HGC_27004	OK	2.21785	1.94952	-0.186044	0.7611
FAM122C	HGC_27con	HGC_27004	OK	2.17591	1.9127	-0.186007	0.8988
CUX2	HGC_27con	HGC_27004	NOTEST	0.07004	0.06158	-0.185852	1
UBR2	HGC_27con	HGC_27004	OK	6.1669	5.42166	-0.185811	0.5575
RPL23A	HGC_27con	HGC_27004	OK	1147.19	1008.56	-0.185804	0.4608
MIR4435-2HG	HGC_27con	HGC_27004	OK	7.01928	6.17113	-0.185788	0.7325
ZMIZ2	HGC_27con	HGC_27004	OK	12.8988	11.341	-0.185694	0.5031
UBE2F	HGC_27con	HGC_27004	OK	9.16233	8.05622	-0.185612	0.7119
KRTCAP2	HGC_27con	HGC_27004	OK	280.564	246.693	-0.185609	0.5002
RPL13	HGC_27con	HGC_27004	OK	336.588	295.963	-0.185566	0.4751
ALG12	HGC_27con	HGC_27004	OK	21.9391	19.2921	-0.185493	0.5309
ZNF185	HGC_27con	HGC_27004	OK	1.60834	1.41444	-0.185344	0.6835
STK11	HGC_27con	HGC_27004	OK	33.6485	29.5936	-0.185255	0.5005
USP11	HGC_27con	HGC_27004	OK	17.7256	15.5918	-0.185052	0.5251
ZNF700	HGC_27con	HGC_27004	OK	5.97938	5.2596	-0.185043	0.564
FAM98C	HGC_27con	HGC_27004	OK	8.61732	7.58015	-0.185014	0.6634
TRAPPC12	HGC_27con	HGC_27004	OK	21.2875	18.7254	-0.185009	0.5229
PNKD	HGC_27con	HGC_27004	OK	29.084	25.5836	-0.185009	0.6851
TBC1D10A	HGC_27con	HGC_27004	OK	5.88739	5.17886	-0.184995	0.637
CAST	HGC_27con	HGC_27004	OK	35.4264	31.1636	-0.184966	0.5364

TPGS1	HGC_27con	HGC_27004	OK	55.9136	49.1875	-0.184906	0.5554
NUBP2	HGC_27con	HGC_27004	OK	40.3979	35.5417	-0.184769	0.5277
RPL12	HGC_27con	HGC_27004	OK	2724.72	2397.26	-0.18472	0.4664
FLJ32255	HGC_27con	HGC_27004	NOTEST	0.24915	0.21921	-0.184673	1
TMED10P1	HGC_27con	HGC_27004	NOTEST	0.19025	0.1674	-0.184632	1
BBS4	HGC_27con	HGC_27004	OK	5.47391	4.81644	-0.184604	0.5912
GH2	HGC_27con	HGC_27004	NOTEST	0.10494	0.09233	-0.184599	1
NFKB2	HGC_27con	HGC_27004	OK	9.80331	8.62594	-0.184587	0.5374
PITPNA	HGC_27con	HGC_27004	OK	10.8268	9.52652	-0.184583	0.5345
ZFPM2	HGC_27con	HGC_27004	OK	8.68466	7.64172	-0.184571	0.5306
TSNARE1	HGC_27con	HGC_27004	OK	1.84228	1.62127	-0.184363	0.7205
UXT	HGC_27con	HGC_27004	OK	76.0329	66.9205	-0.184175	0.5507
NPHP3-ACAD11	HGC_27con	HGC_27004	OK	1.49156	1.31282	-0.184153	0.8068
ARRDC2	HGC_27con	HGC_27004	OK	11.258	9.90907	-0.184127	0.5616
PIGS	HGC_27con	HGC_27004	OK	28.3274	24.9346	-0.184046	0.5108
POU5F1	HGC_27con	HGC_27004	OK	0.40241	0.35423	-0.183978	0.813
WDR13	HGC_27con	HGC_27004	OK	22.701	19.9835	-0.183945	0.5228
ATP5D	HGC_27con	HGC_27004	OK	314.079	276.481	-0.183943	0.5114
PTPRS	HGC_27con	HGC_27004	OK	35.6194	31.3573	-0.183863	0.4806
PEX16	HGC_27con	HGC_27004	OK	14.2775	12.5702	-0.183735	0.5744
ZCCHC6	HGC_27con	HGC_27004	OK	5.03054	4.42927	-0.183644	0.5295
SERPINF1	HGC_27con	HGC_27004	OK	193.408	170.303	-0.183543	0.4783
DCBLD1	HGC_27con	HGC_27004	OK	2.43709	2.14598	-0.183523	0.8436
LLGL2	HGC_27con	HGC_27004	OK	6.58966	5.80267	-0.183487	0.6645
FRMD6-AS1	HGC_27con	HGC_27004	OK	0.64925	0.57176	-0.183376	0.9228
MTSS1L	HGC_27con	HGC_27004	OK	22.3264	19.6617	-0.183365	0.4983
LINC00638	HGC_27con	HGC_27004	OK	3.26768	2.87795	-0.183222	0.6874
MSI2	HGC_27con	HGC_27004	OK	12.118	10.6749	-0.182938	0.5761
LRRC66	HGC_27con	HGC_27004	NOTEST	0.07194	0.06337	-0.182938	1
PCDHA1	HGC_27con	HGC_27004	NOTEST	0.18633	0.16414	-0.182935	1
MOCS3	HGC_27con	HGC_27004	OK	5.80632	5.11506	-0.182872	0.6131
BCKDHB	HGC_27con	HGC_27004	OK	22.5214	19.841	-0.182812	0.5566
UPP1	HGC_27con	HGC_27004	OK	0.55592	0.48979	-0.182731	0.8141
CCDC157	HGC_27con	HGC_27004	OK	0.66545	0.58629	-0.182711	0.1031
DLGAP4	HGC_27con	HGC_27004	OK	14.4109	12.6979	-0.182568	0.5848
C19orf70	HGC_27con	HGC_27004	OK	64.221	56.5944	-0.182385	0.5722
ZNF440	HGC_27con	HGC_27004	OK	2.69287	2.37311	-0.182362	0.6184
SLC26A11	HGC_27con	HGC_27004	OK	3.24251	2.85759	-0.182315	0.6787
ST6GALNAC4	HGC_27con	HGC_27004	OK	23.9787	21.1324	-0.182295	0.5395
RPS20	HGC_27con	HGC_27004	OK	1221.11	1076.19	-0.182259	0.4681
H3F3AP4	HGC_27con	HGC_27004	OK	636.856	561.299	-0.182197	0.4762
AARS2	HGC_27con	HGC_27004	OK	3.60459	3.17709	-0.18213	0.5813
ZNF780B	HGC_27con	HGC_27004	OK	1.20827	1.06498	-0.182126	0.6422
DGCR9	HGC_27con	HGC_27004	OK	0.78074	0.68815	-0.182121	0.8192
FKBP9P1	HGC_27con	HGC_27004	NOTEST	0.15635	0.13781	-0.182097	1
DLGAP1-AS2	HGC_27con	HGC_27004	OK	2.29129	2.01959	-0.182093	0.804
FBXO18	HGC_27con	HGC_27004	OK	26.8497	23.6663	-0.18207	0.5255
MLF2	HGC_27con	HGC_27004	OK	114.992	101.362	-0.18202	0.483
FLNB	HGC_27con	HGC_27004	OK	16.8019	14.8105	-0.182007	0.4825
PIM2	HGC_27con	HGC_27004	OK	3.91193	3.44916	-0.181638	0.6814
HMG3	HGC_27con	HGC_27004	OK	45.2298	39.8793	-0.181634	0.5411
NAGK	HGC_27con	HGC_27004	OK	14.1637	12.489	-0.181537	0.5693
TRAPPC3	HGC_27con	HGC_27004	OK	65.5228	57.7823	-0.18137	0.6406
ALG3	HGC_27con	HGC_27004	OK	32.128	28.333	-0.181347	0.5621

MMP25-AS1	HGC_27con	HGC_27004	OK	3.84577	3.39156	-0.181325	0.7107
CTC-338M12.4	HGC_27con	HGC_27004	OK	9.27463	8.17941	-0.181292	0.774
RPL10A	HGC_27con	HGC_27004	OK	1407.52	1241.32	-0.181282	0.4747
SLX1A-SULT1A3	HGC_27con	HGC_27004	NOTEST	0.23213	0.20473	-0.181194	1
CPT1B	HGC_27con	HGC_27004	OK	6.68933	5.90004	-0.181139	0.6648
DTX4	HGC_27con	HGC_27004	OK	0.70751	0.6241	-0.180957	0.7254
LINGO1	HGC_27con	HGC_27004	OK	12.2546	10.81	-0.180956	0.5572
AKR1C2	HGC_27con	HGC_27004	NOTEST	0.17937	0.15823	-0.180942	1
MIA3	HGC_27con	HGC_27004	OK	13.3623	11.7873	-0.180933	0.5067
FHOD1	HGC_27con	HGC_27004	OK	7.03658	6.20776	-0.180801	0.576
TRAPPC2L	HGC_27con	HGC_27004	OK	36.3504	32.0698	-0.180755	0.6015
TOMM6	HGC_27con	HGC_27004	OK	73.1047	64.4961	-0.180751	0.5732
ZBTB26	HGC_27con	HGC_27004	OK	4.88767	4.31223	-0.180712	0.6433
TMEM160	HGC_27con	HGC_27004	OK	72.9542	64.3674	-0.18066	0.5986
ABHD5	HGC_27con	HGC_27004	OK	1.95267	1.72286	-0.180641	0.6433
ASAP1-IT2	HGC_27con	HGC_27004	NOTEST	0.13398	0.11821	-0.180635	1
LOC401052	HGC_27con	HGC_27004	OK	1.56684	1.38246	-0.180612	0.8415
GYS1	HGC_27con	HGC_27004	OK	22.3243	19.6975	-0.180606	0.5047
PROS1	HGC_27con	HGC_27004	OK	9.52311	8.40323	-0.180489	0.5488
RNF166	HGC_27con	HGC_27004	OK	12.6253	11.1413	-0.180402	0.5939
ELMO2	HGC_27con	HGC_27004	OK	10.2071	9.00766	-0.180346	0.5287
DPY19L2P2	HGC_27con	HGC_27004	OK	0.50414	0.4449	-0.18034	0.7784
SLC29A3	HGC_27con	HGC_27004	OK	4.98549	4.40024	-0.180154	0.663
DCXR	HGC_27con	HGC_27004	OK	120.484	106.343	-0.180113	0.5055
ZNF823	HGC_27con	HGC_27004	OK	1.69594	1.4969	-0.180113	0.7097
TSPAN12	HGC_27con	HGC_27004	OK	7.03951	6.21336	-0.180101	0.6008
SLC23A2	HGC_27con	HGC_27004	OK	15.7453	13.8985	-0.179993	0.4989
CTXN1	HGC_27con	HGC_27004	OK	47.322	41.7766	-0.179819	0.5678
CREG1	HGC_27con	HGC_27004	OK	29.1702	25.7528	-0.179766	0.5387
LOC730202	HGC_27con	HGC_27004	OK	4.32104	3.81489	-0.179737	0.7786
DENR	HGC_27con	HGC_27004	OK	22.579	19.9358	-0.179624	0.5262
NSMF	HGC_27con	HGC_27004	OK	37.9503	33.508	-0.179608	0.5012
ARHGAP44	HGC_27con	HGC_27004	OK	1.50589	1.32976	-0.179456	0.8794
KCNJ8	HGC_27con	HGC_27004	OK	27.7303	24.4871	-0.179443	0.5247
ITGAM	HGC_27con	HGC_27004	OK	0.78566	0.69379	-0.179406	0.7386
LCMT2	HGC_27con	HGC_27004	OK	8.87843	7.84116	-0.179237	0.687
AGBL3	HGC_27con	HGC_27004	NOTEST	0.05473	0.04834	-0.179162	1
FBXW4	HGC_27con	HGC_27004	OK	35.2045	31.0935	-0.179147	0.5187
TAF7	HGC_27con	HGC_27004	OK	37.3027	32.9492	-0.179039	0.509
AKR1B1	HGC_27con	HGC_27004	OK	10.8361	9.57166	-0.179001	0.6283
FRMD8	HGC_27con	HGC_27004	OK	10.49	9.26633	-0.178944	0.5625
MPPE1	HGC_27con	HGC_27004	OK	9.00654	7.95651	-0.178838	0.7431
WNT11	HGC_27con	HGC_27004	OK	31.6754	27.9832	-0.1788	0.5351
PDRG1	HGC_27con	HGC_27004	OK	9.9645	8.80312	-0.178782	0.6189
ZNF268	HGC_27con	HGC_27004	OK	1.71228	1.51279	-0.178709	0.6351
CHP1	HGC_27con	HGC_27004	OK	47.2886	41.783	-0.178574	0.5032
EPN1	HGC_27con	HGC_27004	OK	32.7834	28.9697	-0.178424	0.5057
TNK2	HGC_27con	HGC_27004	OK	7.45408	6.58709	-0.178391	0.5635
GNPTG	HGC_27con	HGC_27004	OK	17.9253	15.8411	-0.178322	0.6795
OTUD5	HGC_27con	HGC_27004	OK	10.533	9.30968	-0.178118	0.5562
TAF1	HGC_27con	HGC_27004	OK	8.15126	7.20486	-0.178054	0.8914
RCN3	HGC_27con	HGC_27004	OK	1.10233	0.97437	-0.178014	0.7772
RGS9BP	HGC_27con	HGC_27004	OK	1.24005	1.09631	-0.177744	0.7603
TNIP1	HGC_27con	HGC_27004	OK	11.1566	9.8634	-0.177737	0.5508

SLX4IP	HGC_27con	HGC_27004	OK	1.66022	1.46787	-0.177649	0.7726
PGBD4	HGC_27con	HGC_27004	OK	3.46369	3.06244	-0.177626	0.6744
LMNA	HGC_27con	HGC_27004	OK	191.9	169.683	-0.177516	0.4848
RAB11FIP1	HGC_27con	HGC_27004	OK	7.58503	6.70747	-0.177388	0.5337
ZAR1	HGC_27con	HGC_27004	NOTEST	0.03939	0.03484	-0.177366	1
ESRP2	HGC_27con	HGC_27004	OK	1.73475	1.53407	-0.17736	0.8636
FAM127A	HGC_27con	HGC_27004	OK	78.1359	69.0987	-0.177327	0.537
ST3GAL3	HGC_27con	HGC_27004	OK	10.1223	8.95168	-0.177304	0.5894
HOGA1	HGC_27con	HGC_27004	OK	10.068	8.90374	-0.177289	0.5782
LOC284454	HGC_27con	HGC_27004	OK	4.92166	4.3527	-0.177233	0.6963
ABCA11P	HGC_27con	HGC_27004	OK	2.6241	2.32083	-0.177185	0.7924
DUOX1	HGC_27con	HGC_27004	NOTEST	0.1194	0.1056	-0.17716	1
RPLP0	HGC_27con	HGC_27004	OK	3242.88	2868.26	-0.177099	0.5008
INPP5J	HGC_27con	HGC_27004	OK	3.35981	2.9717	-0.177088	0.6713
BAIAP2L1	HGC_27con	HGC_27004	OK	3.17356	2.80726	-0.176938	0.7694
TP53I3	HGC_27con	HGC_27004	OK	32.0121	28.3175	-0.176925	0.57
PLIN4	HGC_27con	HGC_27004	OK	0.46895	0.41485	-0.176868	0.9326
TOPORS-AS1	HGC_27con	HGC_27004	OK	8.49947	7.519	-0.176832	0.9069
NOS3	HGC_27con	HGC_27004	OK	2.09932	1.8572	-0.176797	0.6989
PRH1-PRR4	HGC_27con	HGC_27004	OK	0.76388	0.67582	-0.176706	0.9104
TLR7	HGC_27con	HGC_27004	NOTEST	0.04565	0.0404	-0.176537	1
SLC25A39	HGC_27con	HGC_27004	OK	121.96	107.92	-0.176445	0.4937
ACTR3C	HGC_27con	HGC_27004	OK	0.95832	0.84809	-0.176286	0.8946
GALNS	HGC_27con	HGC_27004	OK	10.8005	9.55977	-0.176052	0.5828
TRIM68	HGC_27con	HGC_27004	OK	4.42595	3.91755	-0.176039	0.6049
MATK	HGC_27con	HGC_27004	OK	43.1689	38.2104	-0.176025	0.946
SH2D3C	HGC_27con	HGC_27004	NOTEST	0.1212	0.10729	-0.175911	1
LINC00999	HGC_27con	HGC_27004	OK	3.99635	3.53761	-0.175909	0.623
TMEM258	HGC_27con	HGC_27004	OK	365.307	323.389	-0.175838	0.5359
GALNT5	HGC_27con	HGC_27004	NOTEST	0.0838	0.07419	-0.175792	1
PNPO	HGC_27con	HGC_27004	OK	13.6264	12.0637	-0.175735	0.5533
SND1	HGC_27con	HGC_27004	OK	83.9396	74.3152	-0.175694	0.4823
ERVV-1	HGC_27con	HGC_27004	NOTEST	0.26414	0.23386	-0.175678	1
KIAA0556	HGC_27con	HGC_27004	OK	3.03154	2.68398	-0.175675	0.5849
C17orf58	HGC_27con	HGC_27004	OK	14.2462	12.6135	-0.175604	0.6033
GLDN	HGC_27con	HGC_27004	OK	0.91266	0.8081	-0.175538	0.7277
FDFT1	HGC_27con	HGC_27004	OK	63.2268	55.988	-0.175418	0.5136
CDADC1	HGC_27con	HGC_27004	OK	2.38432	2.1114	-0.175377	0.6775
SEC16A	HGC_27con	HGC_27004	OK	13.5346	11.9857	-0.175348	0.5122
DNAJC24	HGC_27con	HGC_27004	OK	7.64621	6.77156	-0.175258	0.6198
STXBP3	HGC_27con	HGC_27004	OK	12.722	11.2686	-0.175015	0.556
CXorf38	HGC_27con	HGC_27004	OK	2.01093	1.78178	-0.174542	0.6735
PLXNA3	HGC_27con	HGC_27004	OK	6.4813	5.74276	-0.17454	0.5624
ZNF767P	HGC_27con	HGC_27004	OK	4.49129	3.97956	-0.17452	0.6295
HS3ST2	HGC_27con	HGC_27004	NOTEST	0.31332	0.27762	-0.174505	1
ANKRD32	HGC_27con	HGC_27004	OK	4.69803	4.16323	-0.174349	0.5941
USE1	HGC_27con	HGC_27004	OK	19.5591	17.3329	-0.174328	0.6153
WDR31	HGC_27con	HGC_27004	OK	1.13892	1.00936	-0.17422	0.7499
BACE1	HGC_27con	HGC_27004	OK	11.0054	9.75429	-0.174107	0.5898
SZT2	HGC_27con	HGC_27004	OK	5.49917	4.87401	-0.174104	0.532
LOC100272217	HGC_27con	HGC_27004	OK	0.33542	0.29733	-0.173902	0.8274
DMBX1	HGC_27con	HGC_27004	NOTEST	0.26134	0.23166	-0.173883	1
RPL27A	HGC_27con	HGC_27004	OK	183.576	162.743	-0.173784	0.4914
NEK9	HGC_27con	HGC_27004	OK	33.4146	29.6237	-0.173727	0.509

KIF17	HGC_27con	HGC_27004	OK	1.02353	0.90745	-0.173653	0.7485
DNMBP-AS1	HGC_27con	HGC_27004	OK	0.55316	0.49045	-0.173615	0.9049
TLN2	HGC_27con	HGC_27004	OK	5.09694	4.51933	-0.173524	0.5267
SNX1	HGC_27con	HGC_27004	OK	9.62007	8.52994	-0.173512	0.5192
PPP1R37	HGC_27con	HGC_27004	OK	5.73429	5.08539	-0.173255	0.6168
MPRIP	HGC_27con	HGC_27004	OK	17.152	15.2113	-0.173237	0.4997
NKD2	HGC_27con	HGC_27004	OK	66.9811	59.4102	-0.173045	0.512
YIPF3	HGC_27con	HGC_27004	OK	40.3409	35.7831	-0.172963	0.5469
SH2D5	HGC_27con	HGC_27004	OK	1.24205	1.10177	-0.172894	0.7323
NEDD4L	HGC_27con	HGC_27004	OK	4.6115	4.09071	-0.172885	0.5552
TSSC4	HGC_27con	HGC_27004	OK	21.4097	18.993	-0.172799	0.5585
IFT20	HGC_27con	HGC_27004	OK	20.0551	17.7923	-0.172719	0.8064
CC2D2A	HGC_27con	HGC_27004	OK	4.14871	3.68064	-0.172707	0.6758
CECR2	HGC_27con	HGC_27004	OK	1.01812	0.9033	-0.172634	0.6525
MMP23B	HGC_27con	HGC_27004	NOTEST	0.17372	0.15414	-0.172537	1
CNNM2	HGC_27con	HGC_27004	OK	3.49889	3.10485	-0.172372	0.6793
SULT2B1	HGC_27con	HGC_27004	OK	3.24244	2.87782	-0.172105	0.7689
BRF1	HGC_27con	HGC_27004	OK	13.2547	11.7643	-0.172094	0.746
JSRP1	HGC_27con	HGC_27004	NOTEST	0.0347	0.0308	-0.172076	1
CARF	HGC_27con	HGC_27004	OK	2.127	1.88791	-0.172027	0.7951
MAML3	HGC_27con	HGC_27004	OK	1.80124	1.59878	-0.172018	0.6887
EIF4A2	HGC_27con	HGC_27004	OK	177.737	157.776	-0.171869	0.5324
ETFB	HGC_27con	HGC_27004	OK	84.7155	75.2025	-0.171846	0.5241
CSMD1	HGC_27con	HGC_27004	OK	3.01135	2.6732	-0.171845	0.5601
TSGA13	HGC_27con	HGC_27004	NOTEST	0.24154	0.21443	-0.171755	1
MPHOSPH8	HGC_27con	HGC_27004	OK	8.50591	7.5521	-0.171588	0.5546
ARL2	HGC_27con	HGC_27004	OK	87.036	77.2797	-0.171521	0.5832
QTRT1	HGC_27con	HGC_27004	OK	65.135	57.8358	-0.171471	0.5334
USP19	HGC_27con	HGC_27004	OK	13.4382	11.9327	-0.171426	0.5327
PGS1	HGC_27con	HGC_27004	OK	7.59405	6.74326	-0.171424	0.6308
NISCH	HGC_27con	HGC_27004	OK	14.0314	12.4597	-0.171396	0.5386
SRRM2	HGC_27con	HGC_27004	OK	59.9058	53.1965	-0.171364	0.5
ANKRD54	HGC_27con	HGC_27004	OK	12.6417	11.2263	-0.171313	0.5929
AHSA2	HGC_27con	HGC_27004	OK	29.8658	26.522	-0.171303	0.734
CHMP4C	HGC_27con	HGC_27004	OK	12.9036	11.4591	-0.171274	0.5869
ZNF32	HGC_27con	HGC_27004	OK	18.8416	16.7344	-0.171105	0.6144
ZNF615	HGC_27con	HGC_27004	OK	1.37636	1.22243	-0.171104	0.6962
VPS45	HGC_27con	HGC_27004	OK	16.6814	14.8168	-0.171003	0.5587
FBXW8	HGC_27con	HGC_27004	OK	5.03514	4.47235	-0.170998	0.5969
LINGO2	HGC_27con	HGC_27004	OK	3.24967	2.88646	-0.170991	0.6696
CEBPB	HGC_27con	HGC_27004	OK	97.2411	86.379	-0.170886	0.5247
CRYZL1	HGC_27con	HGC_27004	OK	10.1312	9.00007	-0.170804	0.6199
OXTR	HGC_27con	HGC_27004	NOTEST	0.19045	0.1692	-0.170683	1
ZNF70	HGC_27con	HGC_27004	OK	2.01932	1.79404	-0.170657	0.6861
FCRLB	HGC_27con	HGC_27004	NOTEST	0.28112	0.24977	-0.170596	1
RPL13AP5	HGC_27con	HGC_27004	OK	2486.07	2208.94	-0.170513	0.6272
RPGR	HGC_27con	HGC_27004	OK	1.06531	0.94656	-0.170508	0.7346
KLHL25	HGC_27con	HGC_27004	OK	2.48199	2.20539	-0.170466	0.6738
HPCAL1	HGC_27con	HGC_27004	OK	16.1895	14.3854	-0.170452	0.6052
FAM73B	HGC_27con	HGC_27004	OK	5.58623	4.96383	-0.170423	0.6045
PCDHA6	HGC_27con	HGC_27004	OK	1.14662	1.0189	-0.170378	0.8417
FRMD4B	HGC_27con	HGC_27004	OK	1.9876	1.76623	-0.170356	0.6287
GABARAPL2	HGC_27con	HGC_27004	OK	50.1179	44.5363	-0.170345	0.5664
PMEPA1	HGC_27con	HGC_27004	OK	2.94938	2.62112	-0.17023	0.6489

PRR25	HGC_27con	HGC_27004	NOTEST	0.23706	0.2107	-0.170093	1
LOC100129034	HGC_27con	HGC_27004	OK	9.09385	8.08281	-0.170035	0.6977
LOC101928978	HGC_27con	HGC_27004	OK	1.2014	1.06786	-0.17	0.7578
CCDC85A	HGC_27con	HGC_27004	OK	14.709	13.0742	-0.169968	0.6818
LOC101929767	HGC_27con	HGC_27004	OK	3.91314	3.47843	-0.169894	0.7912
BCL7A	HGC_27con	HGC_27004	OK	5.49507	4.88487	-0.169818	0.614
RPL31	HGC_27con	HGC_27004	OK	2119.91	1884.73	-0.169651	0.5082
CERS4	HGC_27con	HGC_27004	OK	14.8204	13.177	-0.169565	0.6168
TUT1	HGC_27con	HGC_27004	OK	9.58379	8.52107	-0.169562	0.5921
ETV3	HGC_27con	HGC_27004	OK	3.04329	2.7062	-0.169363	0.7019
COL9A2	HGC_27con	HGC_27004	OK	2.93179	2.60709	-0.169343	0.6815
INTS5	HGC_27con	HGC_27004	OK	18.0329	16.0358	-0.169335	0.5603
CEBPD	HGC_27con	HGC_27004	OK	14.213	12.6398	-0.169232	0.6826
POLR2L	HGC_27con	HGC_27004	OK	97.2985	86.5341	-0.169149	0.5514
CCBL1	HGC_27con	HGC_27004	OK	8.19818	7.29131	-0.169126	0.6357
ATP2B4	HGC_27con	HGC_27004	OK	31.4018	27.9332	-0.168867	0.5059
PLEKHG4	HGC_27con	HGC_27004	OK	13.5355	12.0421	-0.168668	0.5544
AZU1	HGC_27con	HGC_27004	OK	0.46558	0.41423	-0.168607	0.8947
FAM129B	HGC_27con	HGC_27004	OK	18.6673	16.6118	-0.168306	0.5443
ZRANB3	HGC_27con	HGC_27004	OK	3.50958	3.12317	-0.168287	0.5847
RAP1B	HGC_27con	HGC_27004	OK	39.856	35.4717	-0.16813	0.5408
CCDC101	HGC_27con	HGC_27004	OK	21.6246	19.2465	-0.168081	0.6095
H1FX	HGC_27con	HGC_27004	OK	74.9549	66.7149	-0.168013	0.5385
ZFP41	HGC_27con	HGC_27004	OK	2.79863	2.49109	-0.167939	0.6662
CDH7	HGC_27con	HGC_27004	OK	0.46673	0.41548	-0.167796	0.7994
EID2B	HGC_27con	HGC_27004	OK	1.97468	1.75792	-0.167754	0.7862
BLVRA	HGC_27con	HGC_27004	OK	62.0333	55.2375	-0.167396	0.5489
SCRT1	HGC_27con	HGC_27004	NOTEST	0.06088	0.05421	-0.16736	1
REEP4	HGC_27con	HGC_27004	OK	43.4457	38.6877	-0.167337	0.5635
IGSF9B	HGC_27con	HGC_27004	NOTEST	0.29236	0.26035	-0.167334	1
FBXL14	HGC_27con	HGC_27004	OK	7.22923	6.43793	-0.167245	0.6495
CCDC134	HGC_27con	HGC_27004	OK	2.44355	2.17617	-0.167188	0.7607
CTAGE10P	HGC_27con	HGC_27004	NOTEST	0.13826	0.12314	-0.167137	1
ZNF211	HGC_27con	HGC_27004	OK	1.86635	1.66227	-0.167066	0.7269
GPR89B	HGC_27con	HGC_27004	OK	0.76299	0.67956	-0.167051	0.8083
COA5	HGC_27con	HGC_27004	OK	13.8635	12.348	-0.167015	0.6006
LINC01021	HGC_27con	HGC_27004	OK	1.07021	0.95322	-0.167012	0.8214
BTD	HGC_27con	HGC_27004	OK	5.41803	4.8262	-0.16688	0.8197
WLS	HGC_27con	HGC_27004	OK	38.8422	34.6025	-0.166747	0.6409
CXXC1	HGC_27con	HGC_27004	OK	12.5166	11.1508	-0.166692	0.568
HSPA8	HGC_27con	HGC_27004	OK	650.089	579.16	-0.166676	0.523
STAP2	HGC_27con	HGC_27004	OK	4.65429	4.14656	-0.166647	0.7191
TRIM4	HGC_27con	HGC_27004	OK	9.9313	8.84801	-0.166629	0.5813
LINC01000	HGC_27con	HGC_27004	OK	5.2704	4.69554	-0.166621	0.5563
ARFIP2	HGC_27con	HGC_27004	OK	12.667	11.2856	-0.166602	0.6246
MCF2L	HGC_27con	HGC_27004	NOTEST	0.14793	0.1318	-0.166489	1
PYY2	HGC_27con	HGC_27004	NOTEST	0.10792	0.09616	-0.166441	1
ERCC4	HGC_27con	HGC_27004	OK	5.3549	4.77144	-0.166435	0.5858
MMP14	HGC_27con	HGC_27004	OK	108.73	96.8884	-0.166355	0.5161
MED25	HGC_27con	HGC_27004	OK	17.8926	15.944	-0.166348	0.5849
DBNL	HGC_27con	HGC_27004	OK	30.3547	27.0491	-0.16634	0.546
OPA3	HGC_27con	HGC_27004	OK	3.65697	3.25884	-0.16629	0.6364
LINC01534	HGC_27con	HGC_27004	OK	1.4909	1.32861	-0.166269	0.8299
CEP131	HGC_27con	HGC_27004	OK	5.09424	4.54054	-0.166006	0.6155

RAB4B	HGC_27con	HGC_27004	OK	7.75178	6.90924	-0.166001	0.8068
NBPF7	HGC_27con	HGC_27004	OK	0.54166	0.48281	-0.165945	0.8257
IPO8	HGC_27con	HGC_27004	OK	12.8247	11.4316	-0.165905	0.5483
ECE1	HGC_27con	HGC_27004	OK	5.63201	5.02034	-0.165864	0.594
ZNF624	HGC_27con	HGC_27004	OK	0.67577	0.60241	-0.165781	0.7611
GJA9	HGC_27con	HGC_27004	NOTEST	0.20203	0.1801	-0.16576	1
HOXC9	HGC_27con	HGC_27004	OK	1.2132	1.08152	-0.165757	0.7981
ZNF230	HGC_27con	HGC_27004	OK	0.66026	0.58864	-0.165651	0.7771
LHB	HGC_27con	HGC_27004	OK	0.51504	0.45918	-0.165609	0.8467
OPRL1	HGC_27con	HGC_27004	OK	3.34801	2.98499	-0.165576	0.705
RPL3	HGC_27con	HGC_27004	OK	1920.8	1712.54	-0.165572	0.5173
TMEM189	HGC_27con	HGC_27004	OK	10.629	9.47711	-0.165492	0.8123
CTDSP1	HGC_27con	HGC_27004	OK	35.3849	31.5524	-0.165382	0.54
FAM149B1	HGC_27con	HGC_27004	OK	4.87586	4.34778	-0.165376	0.7711
AGPAT3	HGC_27con	HGC_27004	OK	14.7052	13.1133	-0.165301	0.5401
NDUFA3	HGC_27con	HGC_27004	OK	103.379	92.1881	-0.165293	0.6542
CARS	HGC_27con	HGC_27004	OK	38.2833	34.1405	-0.165233	0.535
ARL4D	HGC_27con	HGC_27004	OK	2.81304	2.50877	-0.165153	0.7544
KLF10	HGC_27con	HGC_27004	OK	4.61262	4.11389	-0.165085	0.6482
TRIP10	HGC_27con	HGC_27004	OK	22.2124	19.8116	-0.165016	0.5595
TCF4	HGC_27con	HGC_27004	OK	10.6697	9.51674	-0.164979	0.5526
RDH13	HGC_27con	HGC_27004	OK	4.17002	3.7196	-0.164909	0.7147
TRIM45	HGC_27con	HGC_27004	OK	5.62328	5.0161	-0.164848	0.6141
NSUN6	HGC_27con	HGC_27004	OK	5.51466	4.91972	-0.164696	0.6434
RBM38	HGC_27con	HGC_27004	OK	10.8937	9.71901	-0.164618	0.6174
VPS28	HGC_27con	HGC_27004	OK	36.6265	32.6774	-0.164592	0.5917
FIGNL2	HGC_27con	HGC_27004	OK	0.40841	0.36438	-0.164571	0.8135
CMTM3	HGC_27con	HGC_27004	OK	23.0569	20.5713	-0.164562	0.5869
ANKRD16	HGC_27con	HGC_27004	OK	11.8905	10.61	-0.16439	0.8285
MFSD6	HGC_27con	HGC_27004	OK	6.13128	5.47106	-0.164367	0.588
AQP11	HGC_27con	HGC_27004	NOTEST	0.22473	0.20053	-0.164366	1
MID1IP1	HGC_27con	HGC_27004	OK	40.757	36.3697	-0.164313	0.5725
NT5C3B	HGC_27con	HGC_27004	OK	19.543	17.4407	-0.1642	0.596
GLYR1	HGC_27con	HGC_27004	OK	19.7286	17.6067	-0.164163	0.5454
ZKSCAN1	HGC_27con	HGC_27004	OK	7.49778	6.69139	-0.164156	0.5455
TMEM109	HGC_27con	HGC_27004	OK	33.2338	29.6602	-0.164123	0.5555
ZER1	HGC_27con	HGC_27004	OK	8.23445	7.34973	-0.16398	0.5896
ZNF561	HGC_27con	HGC_27004	OK	14.1075	12.5919	-0.163966	0.554
ARHGEF7	HGC_27con	HGC_27004	OK	5.85498	5.22598	-0.163962	0.5915
WDR35	HGC_27con	HGC_27004	OK	4.36358	3.89494	-0.163909	0.5816
TMEM140	HGC_27con	HGC_27004	OK	4.94212	4.41139	-0.163898	0.7927
EMC9	HGC_27con	HGC_27004	OK	16.3028	14.5526	-0.163846	0.8456
ZNF394	HGC_27con	HGC_27004	OK	3.70245	3.30512	-0.163779	0.6814
CCNB1IP1	HGC_27con	HGC_27004	OK	100.903	90.0763	-0.163753	0.5422
MSMO1	HGC_27con	HGC_27004	OK	38.7653	34.6067	-0.163716	0.545
FDXR	HGC_27con	HGC_27004	OK	11.5277	10.2912	-0.163693	0.6203
CNNM4	HGC_27con	HGC_27004	OK	3.68097	3.28629	-0.163627	0.6322
RERG	HGC_27con	HGC_27004	OK	1.27988	1.14274	-0.163508	0.7829
TPSD1	HGC_27con	HGC_27004	NOTEST	0.12025	0.10737	-0.163414	1
SUPT4H1	HGC_27con	HGC_27004	OK	30.0381	26.822	-0.163375	0.5784
SLU7	HGC_27con	HGC_27004	OK	6.88465	6.14808	-0.163247	0.599
OXCT1-AS1	HGC_27con	HGC_27004	OK	1.62413	1.45038	-0.163232	0.2174
VIPAS39	HGC_27con	HGC_27004	OK	13.1156	11.7132	-0.163151	0.5831
METTL7B	HGC_27con	HGC_27004	OK	4.79332	4.28124	-0.162998	0.7493

GNB3	HGC_27con	HGC_27004	OK	4.83113	4.31555	-0.162818	0.7707
LHX6	HGC_27con	HGC_27004	NOTEST	0.32297	0.28851	-0.162758	1
ZBED3-AS1	HGC_27con	HGC_27004	OK	1.58468	1.41563	-0.162742	0.8706
ZNRF2P2	HGC_27con	HGC_27004	OK	0.36222	0.32359	-0.162713	0.8067
KCTD6	HGC_27con	HGC_27004	OK	3.99512	3.56947	-0.162528	0.7377
MIR4737	HGC_27con	HGC_27004	OK	47.0732	42.0582	-0.16252	0.8011
ZIC2	HGC_27con	HGC_27004	OK	8.51325	7.60772	-0.162247	0.6494
FASN	HGC_27con	HGC_27004	OK	63.8811	57.0908	-0.162132	0.5293
DRG2	HGC_27con	HGC_27004	OK	21.8195	19.5003	-0.162118	0.5879
EPG5	HGC_27con	HGC_27004	OK	2.35159	2.10173	-0.162059	0.6043
PPP3CC	HGC_27con	HGC_27004	OK	11.0014	9.83387	-0.161855	0.6097
WDR70	HGC_27con	HGC_27004	OK	13.3078	11.8969	-0.161681	0.5817
ZSCAN18	HGC_27con	HGC_27004	OK	12.6186	11.2809	-0.161677	0.6067
B3GALNT2	HGC_27con	HGC_27004	OK	18.7972	16.8056	-0.161572	0.6172
RYR2	HGC_27con	HGC_27004	OK	2.97963	2.66397	-0.161557	0.569
PIGX	HGC_27con	HGC_27004	OK	8.78341	7.85294	-0.161548	0.6085
PARP11	HGC_27con	HGC_27004	OK	2.98094	2.66516	-0.161545	0.666
POFUT2	HGC_27con	HGC_27004	OK	7.80875	6.98171	-0.161511	0.6035
CAMK2B	HGC_27con	HGC_27004	OK	1.666	1.48967	-0.161398	0.7184
PDAP1	HGC_27con	HGC_27004	OK	31.3556	28.0389	-0.161295	0.6912
LGR4	HGC_27con	HGC_27004	OK	17.5669	15.7092	-0.161257	0.5445
ZSWIM8	HGC_27con	HGC_27004	OK	7.82537	6.99805	-0.161206	0.6091
PPFIBP1	HGC_27con	HGC_27004	OK	8.6763	7.75911	-0.161189	0.561
WDR34	HGC_27con	HGC_27004	OK	53.3261	47.6899	-0.161158	0.8335
TUBGCP2	HGC_27con	HGC_27004	OK	15.0183	13.4314	-0.161105	0.606
PCDHA10	HGC_27con	HGC_27004	OK	2.48871	2.22581	-0.161073	0.8152
ANO1	HGC_27con	HGC_27004	NOTEST	0.19257	0.17223	-0.161061	1
LOC729737	HGC_27con	HGC_27004	OK	2.19214	1.96061	-0.161038	0.7062
JRKL	HGC_27con	HGC_27004	OK	3.62273	3.24019	-0.161001	0.6431
SIK3	HGC_27con	HGC_27004	OK	11.8044	10.558	-0.160993	0.5624
RNF20	HGC_27con	HGC_27004	OK	17.3754	15.5418	-0.160888	0.5475
PRKG1	HGC_27con	HGC_27004	OK	1.51414	1.35442	-0.16083	0.8112
CEBPA	HGC_27con	HGC_27004	OK	9.24384	8.26948	-0.160694	0.6426
RMST	HGC_27con	HGC_27004	OK	0.46845	0.41908	-0.160667	0.8157
COASY	HGC_27con	HGC_27004	OK	41.2378	36.8931	-0.160617	0.5535
PLCH1	HGC_27con	HGC_27004	OK	0.62528	0.55948	-0.160416	0.7425
IFT22	HGC_27con	HGC_27004	OK	12.5492	11.2289	-0.160375	0.6011
SNORD88B	HGC_27con	HGC_27004	OK	12.9919	11.6254	-0.160333	0.6657
CIAPIN1	HGC_27con	HGC_27004	OK	27.8431	24.9165	-0.160217	0.6802
SLC7A8	HGC_27con	HGC_27004	OK	39.8841	35.6941	-0.16013	0.5599
MRPS18A	HGC_27con	HGC_27004	OK	32.7231	29.2862	-0.16009	0.5916
ZNF212	HGC_27con	HGC_27004	OK	5.39677	4.8301	-0.160044	0.6457
KCNK4	HGC_27con	HGC_27004	NOTEST	0.12487	0.11177	-0.159862	1
ABHD14B	HGC_27con	HGC_27004	OK	34.2143	30.6266	-0.159816	0.5683
COQ10B	HGC_27con	HGC_27004	OK	10.9733	9.8231	-0.15975	0.6361
WDR11	HGC_27con	HGC_27004	OK	13.3785	11.9766	-0.159704	0.5691
SPDYE6	HGC_27con	HGC_27004	OK	0.46755	0.41857	-0.159662	0.8068
MAGEF1	HGC_27con	HGC_27004	OK	19.4126	17.3789	-0.159661	0.6017
DLG4	HGC_27con	HGC_27004	OK	6.5255	5.84257	-0.159486	0.78
CLDND2	HGC_27con	HGC_27004	NOTEST	0.22816	0.20428	-0.159473	1
CD164	HGC_27con	HGC_27004	OK	49.471	44.2943	-0.159463	0.5493
OPLAH	HGC_27con	HGC_27004	NOTEST	0.0121	0.01084	-0.159403	1
VASH1	HGC_27con	HGC_27004	OK	1.27436	1.14107	-0.159392	0.7431
NOTCH3	HGC_27con	HGC_27004	OK	31.5719	28.2777	-0.158975	0.5351

CSRP1	HGC_27con	HGC_27004	OK	7.44281	6.66637	-0.158946	0.6576
ABCD4	HGC_27con	HGC_27004	OK	12.7721	11.4412	-0.158756	0.5896
DPM2	HGC_27con	HGC_27004	OK	27.8448	24.9439	-0.158722	0.5936
FGFRL1	HGC_27con	HGC_27004	OK	12.7725	11.4427	-0.158607	0.5942
MKRN1	HGC_27con	HGC_27004	OK	23.3394	20.9103	-0.158553	0.5763
PPP6R1	HGC_27con	HGC_27004	OK	14.0708	12.6065	-0.15853	0.5849
ASIC3	HGC_27con	HGC_27004	OK	7.03782	6.30616	-0.158368	0.682
SNHG7	HGC_27con	HGC_27004	OK	229.973	206.075	-0.158295	0.5829
DZIP3	HGC_27con	HGC_27004	OK	2.99167	2.68086	-0.158255	0.7153
ENPP4	HGC_27con	HGC_27004	OK	1.6794	1.50501	-0.158175	0.7285
RNASEK	HGC_27con	HGC_27004	OK	107.83	96.6422	-0.158039	0.6434
C19orf47	HGC_27con	HGC_27004	OK	5.57892	5.00018	-0.158005	0.862
EPS15L1	HGC_27con	HGC_27004	OK	22.1621	19.8636	-0.157965	0.5628
LOC389332	HGC_27con	HGC_27004	NOTEST	0.03253	0.02916	-0.157956	1
MERTK	HGC_27con	HGC_27004	OK	4.26346	3.82156	-0.157865	0.6508
ANKRD39	HGC_27con	HGC_27004	OK	8.83861	7.92373	-0.157638	0.7366
ZFYVE1	HGC_27con	HGC_27004	OK	3.49505	3.13335	-0.157607	0.6443
LENG9	HGC_27con	HGC_27004	OK	16.1125	14.4453	-0.157574	0.7584
BIN1	HGC_27con	HGC_27004	OK	14.9644	13.4181	-0.157348	0.6059
FAM230B	HGC_27con	HGC_27004	NOTEST	0.29015	0.26019	-0.15719	1
MAPKAPK3	HGC_27con	HGC_27004	OK	15.2301	13.6588	-0.15709	0.5899
TNKS1BP1	HGC_27con	HGC_27004	OK	20.0395	17.9732	-0.156996	0.5589
ZNF568	HGC_27con	HGC_27004	OK	2.58702	2.3203	-0.156981	0.6786
LOC100268168	HGC_27con	HGC_27004	OK	0.45257	0.40594	-0.156869	0.8442
HOMER2	HGC_27con	HGC_27004	OK	19.703	17.6733	-0.156847	0.5761
ZNF783	HGC_27con	HGC_27004	OK	4.1377	3.71146	-0.156842	0.6454
DKFZP434I0714	HGC_27con	HGC_27004	OK	0.9965	0.89389	-0.156786	0.7794
GPN2	HGC_27con	HGC_27004	OK	9.11106	8.17283	-0.156783	0.694
C1GALT1C1	HGC_27con	HGC_27004	OK	8.97884	8.05508	-0.15663	0.6653
WARS	HGC_27con	HGC_27004	OK	252.374	226.421	-0.156556	0.5354
ABCC10	HGC_27con	HGC_27004	OK	7.19974	6.45959	-0.156502	0.617
LRRC8A	HGC_27con	HGC_27004	OK	11.0127	9.88096	-0.156443	0.5942
PCSK1N	HGC_27con	HGC_27004	OK	28.166	25.2729	-0.156363	0.6792
SLC27A1	HGC_27con	HGC_27004	OK	6.57071	5.89593	-0.15633	0.6509
ARVCF	HGC_27con	HGC_27004	OK	4.01059	3.59896	-0.156236	0.8379
AMN1	HGC_27con	HGC_27004	OK	1.75754	1.57718	-0.156205	0.7909
HSD17B7	HGC_27con	HGC_27004	OK	7.79982	6.99944	-0.156202	0.7095
ANKS1A	HGC_27con	HGC_27004	OK	5.44666	4.88797	-0.156136	0.6045
VPS37B	HGC_27con	HGC_27004	OK	6.76583	6.07232	-0.156019	0.6543
SPIRE1	HGC_27con	HGC_27004	OK	9.92142	8.90457	-0.156	0.5809
ASPG	HGC_27con	HGC_27004	NOTEST	0.0472	0.04236	-0.155998	1
IDH3G	HGC_27con	HGC_27004	OK	55.453	49.7707	-0.15597	0.7505
PUS3	HGC_27con	HGC_27004	OK	9.9386	8.92049	-0.15592	0.6653
EIF3K	HGC_27con	HGC_27004	OK	193.292	173.514	-0.155728	0.5515
ST7-AS1	HGC_27con	HGC_27004	OK	2.74701	2.46604	-0.155667	0.8737
FAM89B	HGC_27con	HGC_27004	OK	28.8322	25.8836	-0.155645	0.6232
LINC00470	HGC_27con	HGC_27004	OK	2.69206	2.41679	-0.155617	0.7375
TAF6	HGC_27con	HGC_27004	OK	64.6973	58.0867	-0.155499	0.7553
C1orf61	HGC_27con	HGC_27004	OK	1.27964	1.14891	-0.155468	0.8367
PRKAG2-AS1	HGC_27con	HGC_27004	OK	6.0218	5.40767	-0.155187	0.8194
KLK1	HGC_27con	HGC_27004	OK	1.44823	1.30059	-0.155121	0.8287
RUVBL2	HGC_27con	HGC_27004	OK	95.541	85.8058	-0.155045	0.5463
LINC01002	HGC_27con	HGC_27004	NOTEST	0.06316	0.05672	-0.155033	1
ZNF3	HGC_27con	HGC_27004	OK	15.7398	14.1362	-0.155024	0.635

SP100	HGC_27con	HGC_27004	OK	5.53083	4.96747	-0.154985	0.6726
PANX1	HGC_27con	HGC_27004	OK	5.16469	4.63882	-0.154925	0.669
TAOK2	HGC_27con	HGC_27004	OK	12.6791	11.3882	-0.154908	0.5796
RPS15	HGC_27con	HGC_27004	OK	2015.23	1810.1	-0.154879	0.5409
COG1	HGC_27con	HGC_27004	OK	12.3182	11.0644	-0.154864	0.7333
NHEJ1	HGC_27con	HGC_27004	OK	13.7472	12.3479	-0.154863	0.6302
FUNDC1	HGC_27con	HGC_27004	OK	4.97799	4.47166	-0.154753	0.7322
SAV1	HGC_27con	HGC_27004	OK	23.4015	21.0231	-0.154624	0.5751
PIIB	HGC_27con	HGC_27004	OK	449.184	403.533	-0.154619	0.5489
DPY19L3	HGC_27con	HGC_27004	OK	19.2348	17.2807	-0.154555	0.5589
MTHFR	HGC_27con	HGC_27004	OK	6.45049	5.79532	-0.15452	0.6428
OLIG1	HGC_27con	HGC_27004	NOTEST	0.02793	0.02509	-0.15447	1
DHRS4	HGC_27con	HGC_27004	OK	12.6523	11.3679	-0.154427	0.7372
ALOX12B	HGC_27con	HGC_27004	OK	0.83697	0.75208	-0.154303	0.8092
UNC50	HGC_27con	HGC_27004	OK	25.5148	22.9269	-0.15429	0.6397
CBLN3	HGC_27con	HGC_27004	OK	0.81099	0.72876	-0.15425	0.9292
1E,LOC400927-CS	HGC_27con	HGC_27004	OK	33.2201	29.8584	-0.153921	0.5831
POLR3GL	HGC_27con	HGC_27004	OK	14.4921	13.0257	-0.15391	0.9126
SECTM1	HGC_27con	HGC_27004	OK	21.2739	19.1262	-0.153531	0.606
INTS1	HGC_27con	HGC_27004	OK	24.0593	21.6313	-0.153474	0.5685
C12orf75	HGC_27con	HGC_27004	OK	10.0459	9.03311	-0.153311	0.7001
CDPF1	HGC_27con	HGC_27004	OK	5.14794	4.62938	-0.153176	0.7278
DNAJC16	HGC_27con	HGC_27004	OK	2.71779	2.44409	-0.153142	0.6608
TRIM62	HGC_27con	HGC_27004	OK	1.98883	1.78861	-0.153078	0.7377
ALG1	HGC_27con	HGC_27004	OK	5.78095	5.19908	-0.153051	0.7173
CYLD	HGC_27con	HGC_27004	OK	5.5261	4.9703	-0.15293	0.5924
BOLA1	HGC_27con	HGC_27004	OK	17.1567	15.4319	-0.152856	0.6951
SRMS	HGC_27con	HGC_27004	NOTEST	0.11196	0.10071	-0.152756	1
SIK2	HGC_27con	HGC_27004	OK	5.76733	5.18793	-0.152745	0.7245
NUTM2D	HGC_27con	HGC_27004	OK	0.40131	0.36099	-0.15274	0.799
MAEA	HGC_27con	HGC_27004	OK	31.2853	28.1427	-0.152723	0.5926
DGCR6L	HGC_27con	HGC_27004	OK	19.9317	17.9304	-0.152654	0.6531
SDHAP3	HGC_27con	HGC_27004	OK	1.67365	1.50573	-0.152532	0.8154
FGD6	HGC_27con	HGC_27004	OK	1.69887	1.52843	-0.152519	0.6597
IFT46	HGC_27con	HGC_27004	OK	13.1286	11.8119	-0.152466	0.8283
SNAP23	HGC_27con	HGC_27004	OK	17.7837	16.0004	-0.152454	0.5996
PSMA3-AS1	HGC_27con	HGC_27004	OK	8.91659	8.02274	-0.152397	0.7895
CUEDC2	HGC_27con	HGC_27004	OK	81.4609	73.2964	-0.152365	0.5678
LINC01608	HGC_27con	HGC_27004	OK	10.5471	9.49133	-0.152162	0.7699
TAF13	HGC_27con	HGC_27004	OK	16.0454	14.4394	-0.152152	0.6923
HOXA3	HGC_27con	HGC_27004	OK	1.75659	1.58079	-0.152135	0.8145
ZNF790-AS1	HGC_27con	HGC_27004	OK	2.25863	2.03259	-0.152128	0.8994
ZNF181	HGC_27con	HGC_27004	OK	5.29293	4.76328	-0.152112	0.6433
ZNF701	HGC_27con	HGC_27004	OK	0.3932	0.35388	-0.151975	0.8019
PPCS	HGC_27con	HGC_27004	OK	18.9979	17.1	-0.151842	0.6398
FRRS1	HGC_27con	HGC_27004	OK	4.62753	4.16526	-0.151834	0.7006
ZNF137P	HGC_27con	HGC_27004	OK	0.60272	0.54255	-0.151724	0.8287
ASPSCR1	HGC_27con	HGC_27004	OK	31.7842	28.6138	-0.151598	0.5879
C7orf25	HGC_27con	HGC_27004	OK	9.7458	8.77378	-0.151583	0.6532
PAK4	HGC_27con	HGC_27004	OK	13.958	12.5661	-0.151553	0.6088
KCNAB2	HGC_27con	HGC_27004	OK	8.69368	7.82685	-0.151536	0.7046
MAPK11	HGC_27con	HGC_27004	OK	5.91463	5.32512	-0.151474	0.6838
CYBA	HGC_27con	HGC_27004	OK	96.2164	86.6429	-0.151201	0.6112
AMPD2	HGC_27con	HGC_27004	OK	21.9426	19.7596	-0.151183	0.5818

CSMD3	HGC_27con	HGC_27004	OK	6.42795	5.78854	-0.151159	0.5832
MPV17	HGC_27con	HGC_27004	OK	39.7535	35.8013	-0.151068	0.6275
SHKBP1	HGC_27con	HGC_27004	OK	30.4864	27.456	-0.151041	0.593
WDR61	HGC_27con	HGC_27004	OK	28.3517	25.5339	-0.151024	0.6087
SH3BGR3	HGC_27con	HGC_27004	OK	38.112	34.3254	-0.15097	0.627
GLIS2	HGC_27con	HGC_27004	OK	18.974	17.0901	-0.150863	0.6032
IK	HGC_27con	HGC_27004	OK	28.0091	25.2282	-0.150858	0.5781
UBL7-AS1	HGC_27con	HGC_27004	OK	5.76693	5.19453	-0.150811	0.7419
MRPL34	HGC_27con	HGC_27004	OK	109.203	98.3656	-0.150791	0.5892
MCC	HGC_27con	HGC_27004	OK	6.9514	6.2622	-0.150633	0.6639
C18orf25	HGC_27con	HGC_27004	OK	5.90964	5.32382	-0.150608	0.63
ARF1	HGC_27con	HGC_27004	OK	268.716	242.079	-0.150605	0.5548
FOXA2	HGC_27con	HGC_27004	OK	0.50718	0.45693	-0.150518	0.8386
ZNF841	HGC_27con	HGC_27004	OK	2.07813	1.87228	-0.150489	0.7085
ZNRD1	HGC_27con	HGC_27004	OK	65.7727	59.2589	-0.150457	0.6101
RPL10	HGC_27con	HGC_27004	OK	1387.87	1250.46	-0.150421	0.5739
GSE1	HGC_27con	HGC_27004	OK	20.5551	18.5213	-0.150315	0.5595
AKT2	HGC_27con	HGC_27004	OK	15.9217	14.3469	-0.150256	0.5812
C19orf54	HGC_27con	HGC_27004	OK	17.2356	15.5309	-0.150254	0.6317
PRDM16	HGC_27con	HGC_27004	OK	5.10467	4.59991	-0.150214	0.6084
HEBP1	HGC_27con	HGC_27004	OK	26.314	23.7124	-0.150189	0.636
LY6E	HGC_27con	HGC_27004	OK	80.9594	72.9561	-0.15017	0.5773
NUPR1	HGC_27con	HGC_27004	OK	73.0259	65.8074	-0.150159	0.5736
DPH2	HGC_27con	HGC_27004	OK	18.7429	16.8917	-0.15003	0.6067
PFKFB2	HGC_27con	HGC_27004	OK	4.74977	4.28072	-0.150003	0.6316
LINC01128	HGC_27con	HGC_27004	OK	1.88309	1.69715	-0.149989	0.7212
SNX21	HGC_27con	HGC_27004	OK	1.31824	1.18811	-0.149945	0.838
ARID3B	HGC_27con	HGC_27004	OK	0.95853	0.86391	-0.149943	0.7761
TRPT1	HGC_27con	HGC_27004	OK	25.7628	23.2202	-0.14991	0.6683
AP5B1	HGC_27con	HGC_27004	OK	7.67851	6.92074	-0.149901	0.6014
LRRC39	HGC_27con	HGC_27004	OK	1.84767	1.66535	-0.14988	0.8499
TMEM26-AS1	HGC_27con	HGC_27004	OK	0.42579	0.3838	-0.149784	0.9194
SOX8	HGC_27con	HGC_27004	OK	9.21876	8.30979	-0.149761	0.6587
CLU	HGC_27con	HGC_27004	OK	7.75847	6.99415	-0.149624	0.6352
HPN	HGC_27con	HGC_27004	NOTEST	0.02691	0.02426	-0.149568	1
TATDN3	HGC_27con	HGC_27004	OK	8.85385	7.98203	-0.149548	0.6406
SLC22A17	HGC_27con	HGC_27004	OK	4.52389	4.07884	-0.149404	0.7394
PRTN3	HGC_27con	HGC_27004	OK	1.43547	1.29426	-0.149395	0.8486
C6orf99	HGC_27con	HGC_27004	OK	0.39137	0.35288	-0.149367	0.8719
GRIA3	HGC_27con	HGC_27004	OK	3.63937	3.28165	-0.149268	0.7548
ADAD2	HGC_27con	HGC_27004	NOTEST	0.02442	0.02202	-0.149214	1
PTGDS	HGC_27con	HGC_27004	OK	3.88562	3.50384	-0.14921	0.8121
ADGRL1	HGC_27con	HGC_27004	OK	19.6768	17.7436	-0.149194	0.5725
ADCK4	HGC_27con	HGC_27004	OK	17.4336	15.7209	-0.149183	0.6072
EHMT1	HGC_27con	HGC_27004	OK	12.396	11.1788	-0.149099	0.5893
POLRMT	HGC_27con	HGC_27004	OK	29.0025	26.1569	-0.148987	0.5783
MED18	HGC_27con	HGC_27004	OK	8.73967	7.8823	-0.148961	0.6656
SLC9A9	HGC_27con	HGC_27004	OK	0.71687	0.64656	-0.148926	0.8087
KLHL22	HGC_27con	HGC_27004	OK	10.2323	9.22898	-0.148893	0.6322
ZNF692	HGC_27con	HGC_27004	OK	18.5614	16.7415	-0.148871	0.6274
DOCK9	HGC_27con	HGC_27004	OK	3.54928	3.2015	-0.148779	0.6304
ZNF337	HGC_27con	HGC_27004	OK	3.13654	2.82927	-0.148742	0.6744
PLXND1	HGC_27con	HGC_27004	OK	8.41044	7.58722	-0.14861	0.5989
RNF212B	HGC_27con	HGC_27004	OK	0.3887	0.35065	-0.148604	0.9412

SERF1B	HGC_27con	HGC_27004	NOTEST	0.25887	0.23355	-0.148494	1
LINC00115	HGC_27con	HGC_27004	OK	1.12576	1.01572	-0.148402	0.8307
ALMS1-IT1	HGC_27con	HGC_27004	OK	0.44928	0.40537	-0.148369	0.4532
ARHGEF11	HGC_27con	HGC_27004	OK	7.1082	6.41389	-0.148285	0.6042
SNX9	HGC_27con	HGC_27004	OK	6.59645	5.95249	-0.148194	0.6372
AGAP3	HGC_27con	HGC_27004	OK	35.9728	32.4619	-0.148158	0.6151
RBM44	HGC_27con	HGC_27004	NOTEST	0.13522	0.12203	-0.148082	1
PDPR	HGC_27con	HGC_27004	OK	7.77999	7.02114	-0.148064	0.5952
ATP5E	HGC_27con	HGC_27004	OK	486.427	438.986	-0.148048	0.6723
ARHGAP18	HGC_27con	HGC_27004	OK	6.31679	5.70085	-0.148016	0.6458
IDO1	HGC_27con	HGC_27004	OK	0.35041	0.31626	-0.147937	0.8535
MAFK	HGC_27con	HGC_27004	OK	3.84598	3.47175	-0.147692	0.72
UBE2D4	HGC_27con	HGC_27004	OK	4.88426	4.40915	-0.14764	0.711
TEAD1	HGC_27con	HGC_27004	OK	13.0201	11.7537	-0.147618	0.5836
AP5Z1	HGC_27con	HGC_27004	OK	12.0256	10.8565	-0.147556	0.6055
TRMT44	HGC_27con	HGC_27004	OK	1.80824	1.63256	-0.147453	0.7565
IKBKE	HGC_27con	HGC_27004	OK	1.74684	1.57713	-0.147452	0.7427
FBXL18	HGC_27con	HGC_27004	OK	8.15264	7.36094	-0.147376	0.5989
TMEM27	HGC_27con	HGC_27004	NOTEST	0.3102	0.28007	-0.14737	1
GUCA1B	HGC_27con	HGC_27004	OK	0.79488	0.71771	-0.147331	0.8142
FOXN3	HGC_27con	HGC_27004	OK	14.9378	13.4882	-0.14727	0.5824
LINC01461	HGC_27con	HGC_27004	NOTEST	0.2045	0.18466	-0.147258	1
LOC101926889	HGC_27con	HGC_27004	OK	0.46244	0.41759	-0.147192	0.9177
ATP6V1E1	HGC_27con	HGC_27004	OK	37.9647	34.2867	-0.147007	0.5992
GOLGB1	HGC_27con	HGC_27004	OK	4.2946	3.87858	-0.146997	0.5879
SERINC4	HGC_27con	HGC_27004	OK	3.96801	3.58396	-0.146863	0.947
MTG1	HGC_27con	HGC_27004	OK	18.587	16.7882	-0.146848	0.6483
THY1	HGC_27con	HGC_27004	OK	10.6313	9.60279	-0.146791	0.6437
GUSBP1	HGC_27con	HGC_27004	OK	5.42383	4.89918	-0.14677	0.7933
C2orf42	HGC_27con	HGC_27004	OK	4.35018	3.92939	-0.146767	0.6964
JMJD1C-AS1	HGC_27con	HGC_27004	OK	1.53812	1.38935	-0.146756	0.9403
ZNF473	HGC_27con	HGC_27004	OK	2.16355	1.95436	-0.146705	0.6964
VPS50	HGC_27con	HGC_27004	OK	4.1452	3.74473	-0.146581	0.697
NEMF	HGC_27con	HGC_27004	OK	10.63	9.60311	-0.146574	0.606
ANAPC5	HGC_27con	HGC_27004	OK	44.1487	39.8866	-0.146468	0.5746
PNKP	HGC_27con	HGC_27004	OK	17.2356	15.5723	-0.146414	0.6473
C15orf57	HGC_27con	HGC_27004	OK	9.77292	8.83041	-0.14631	0.6773
SLC25A47	HGC_27con	HGC_27004	NOTEST	0.03079	0.02782	-0.14626	1
PI4KAP2	HGC_27con	HGC_27004	OK	3.19758	2.88958	-0.146123	0.747
COMP	HGC_27con	HGC_27004	OK	2.4136	2.18118	-0.146076	0.7579
C9orf139	HGC_27con	HGC_27004	NOTEST	0.06524	0.05896	-0.146018	1
HMMR-AS1	HGC_27con	HGC_27004	OK	2.35381	2.12736	-0.145933	0.8929
PAPOLG	HGC_27con	HGC_27004	OK	3.57329	3.22974	-0.145834	0.6471
MBD6	HGC_27con	HGC_27004	OK	13.5031	12.2054	-0.145774	0.7432
HES4	HGC_27con	HGC_27004	OK	34.8515	31.5048	-0.145652	0.6712
SNAPIN	HGC_27con	HGC_27004	OK	34.7537	31.4168	-0.145631	0.8904
SCRN3	HGC_27con	HGC_27004	OK	6.8205	6.16564	-0.145627	0.6518
ZNF784	HGC_27con	HGC_27004	OK	2.8208	2.54998	-0.14562	0.7573
RAD50	HGC_27con	HGC_27004	OK	14.749	13.3337	-0.145535	0.5854
OLMALINC	HGC_27con	HGC_27004	OK	66.4978	60.1206	-0.145447	0.6135
PAXIP1	HGC_27con	HGC_27004	OK	10.0571	9.0931	-0.145365	0.6293
RPS14	HGC_27con	HGC_27004	OK	1760.82	1592.2	-0.145224	0.5757
LAMTOR4	HGC_27con	HGC_27004	OK	173.736	157.099	-0.145219	0.5978
RERE	HGC_27con	HGC_27004	OK	8.55092	7.73223	-0.145195	0.6051

ATG16L1	HGC_27con	HGC_27004	OK	7.81717	7.06874	-0.145193	0.647
TBXA2R	HGC_27con	HGC_27004	OK	4.25427	3.84703	-0.145168	0.7565
ZNF606	HGC_27con	HGC_27004	OK	0.97247	0.8795	-0.144962	0.7836
PLEKHG1	HGC_27con	HGC_27004	NOTEST	0.04442	0.04018	-0.144937	1
CDK11B	HGC_27con	HGC_27004	OK	8.34472	7.54736	-0.144892	0.7407
PSPC1	HGC_27con	HGC_27004	OK	17.8775	16.1698	-0.144836	0.6149
UQCRCQ	HGC_27con	HGC_27004	OK	57.2281	51.7641	-0.144773	0.5909
RPL27	HGC_27con	HGC_27004	OK	1650.83	1493.25	-0.144737	0.5719
ALPK1	HGC_27con	HGC_27004	OK	2.03853	1.84394	-0.144736	0.6964
MIR25	HGC_27con	HGC_27004	OK	15.7105	14.2119	-0.144636	0.669
RBMS3	HGC_27con	HGC_27004	OK	1.84401	1.66811	-0.144631	0.6861
EIF3J	HGC_27con	HGC_27004	OK	46.8493	42.3812	-0.144602	0.6605
ZNF350	HGC_27con	HGC_27004	OK	1.06165	0.96045	-0.144526	0.7955
SLC10A3	HGC_27con	HGC_27004	OK	15.0316	13.5991	-0.144489	0.6638
RPL21	HGC_27con	HGC_27004	OK	84.6571	76.5909	-0.144458	0.9157
LOC650226	HGC_27con	HGC_27004	OK	1.08919	0.98544	-0.144408	0.8038
SCYL3	HGC_27con	HGC_27004	OK	3.90768	3.53566	-0.144332	0.7556
CYB5D1	HGC_27con	HGC_27004	OK	4.56356	4.12938	-0.144235	0.7306
METTL13	HGC_27con	HGC_27004	OK	15.8289	14.3236	-0.144165	0.6042
TMBIM1	HGC_27con	HGC_27004	OK	14.334	12.9713	-0.144117	0.7151
PEPD	HGC_27con	HGC_27004	OK	34.8589	31.5453	-0.144104	0.6173
CBR1	HGC_27con	HGC_27004	OK	46.8683	42.4134	-0.144092	0.6164
POP4	HGC_27con	HGC_27004	OK	16.2334	14.692	-0.143933	0.6233
NTNG1	HGC_27con	HGC_27004	OK	11.4786	10.3889	-0.143909	0.6371
DRAM2	HGC_27con	HGC_27004	OK	22.3339	20.214	-0.143881	0.7031
CTNND1	HGC_27con	HGC_27004	OK	26.4436	23.9345	-0.143825	0.6889
SDC1	HGC_27con	HGC_27004	OK	12.5153	11.3284	-0.143747	0.6214
HYLS1	HGC_27con	HGC_27004	OK	3.64965	3.30361	-0.143716	0.8148
FAM120C	HGC_27con	HGC_27004	OK	8.52925	7.72066	-0.143694	0.8017
KIDINS220	HGC_27con	HGC_27004	OK	16.8994	15.2984	-0.143585	0.5822
AATK-AS1	HGC_27con	HGC_27004	NOTEST	0.12036	0.10896	-0.143578	1
TTYH3	HGC_27con	HGC_27004	OK	39.8256	36.0544	-0.143522	0.5892
FAM120B	HGC_27con	HGC_27004	OK	2.75513	2.49438	-0.143439	0.6835
PANK3	HGC_27con	HGC_27004	OK	38.4642	34.8277	-0.143281	0.5891
FLJ10038	HGC_27con	HGC_27004	OK	1.09364	0.99029	-0.14322	0.8657
DGKD	HGC_27con	HGC_27004	OK	11.0402	9.99764	-0.143113	0.598
JPH3	HGC_27con	HGC_27004	OK	2.17954	1.97381	-0.143039	0.8014
SURF2	HGC_27con	HGC_27004	OK	17.8688	16.1822	-0.143035	0.6906
ARID4B	HGC_27con	HGC_27004	OK	5.51013	4.9903	-0.142961	0.6101
CTNNA1	HGC_27con	HGC_27004	OK	64.5672	58.4774	-0.142921	0.5852
CLPP	HGC_27con	HGC_27004	OK	99.3374	89.9687	-0.142915	0.6063
RPL23AP53	HGC_27con	HGC_27004	OK	2.6728	2.42077	-0.142889	0.6883
KCNQ10T1	HGC_27con	HGC_27004	OK	1.31349	1.18968	-0.142831	0.5935
FAM63A	HGC_27con	HGC_27004	OK	7.01523	6.35456	-0.142699	0.6771
HOXD-AS2	HGC_27con	HGC_27004	OK	21.5919	19.5589	-0.142665	0.7409
TPCN2	HGC_27con	HGC_27004	OK	3.42122	3.09914	-0.142644	0.7029
RRN3	HGC_27con	HGC_27004	OK	10.7133	9.70566	-0.142504	0.7932
FGF9	HGC_27con	HGC_27004	OK	0.83612	0.75751	-0.142445	0.7944
CASP8	HGC_27con	HGC_27004	OK	5.20391	4.71505	-0.142324	0.7075
GPR173	HGC_27con	HGC_27004	OK	6.83448	6.19246	-0.142318	0.649
TRIP11	HGC_27con	HGC_27004	OK	7.17875	6.50459	-0.142274	0.6045
LOC101928068	HGC_27con	HGC_27004	OK	0.86825	0.78672	-0.142269	0.8573
ZNF561-AS1	HGC_27con	HGC_27004	OK	3.22308	2.92048	-0.142234	0.7618
EFNB2	HGC_27con	HGC_27004	OK	1.41937	1.28611	-0.14223	0.7493

LOC148413	HGC_27con	HGC_27004	OK	8.83524	8.00605	-0.14218	0.8018
PSMG3	HGC_27con	HGC_27004	OK	69.3318	62.8269	-0.142135	0.6262
LOC644762	HGC_27con	HGC_27004	OK	5.92354	5.36801	-0.142072	0.7399
DIRAS1	HGC_27con	HGC_27004	OK	13.1204	11.8904	-0.142024	0.6309
ZNF559	HGC_27con	HGC_27004	OK	7.49732	6.79475	-0.141954	0.6733
WDR81	HGC_27con	HGC_27004	OK	3.73268	3.3831	-0.141868	0.6912
TMEM101	HGC_27con	HGC_27004	OK	22.4815	20.376	-0.141863	0.6321
DTX2	HGC_27con	HGC_27004	OK	4.64544	4.21067	-0.141764	0.7196
HELQ	HGC_27con	HGC_27004	OK	4.54087	4.1162	-0.141657	0.689
CDC37	HGC_27con	HGC_27004	OK	112.949	102.393	-0.141561	0.5849
NDUFV2-AS1	HGC_27con	HGC_27004	OK	0.35747	0.32406	-0.141554	0.9224
TOMM34	HGC_27con	HGC_27004	OK	34.635	31.401	-0.141422	0.6108
LRRC16B	HGC_27con	HGC_27004	OK	0.79658	0.72221	-0.141413	0.7914
ZNF23	HGC_27con	HGC_27004	OK	2.60283	2.35983	-0.141401	0.7299
ZSWIM8-AS1	HGC_27con	HGC_27004	OK	6.51893	5.9106	-0.14133	0.8392
TULP3	HGC_27con	HGC_27004	OK	15.412	13.9748	-0.141231	0.6288
FPGS	HGC_27con	HGC_27004	OK	20.7993	18.8601	-0.141198	0.6318
ZUFSP	HGC_27con	HGC_27004	OK	2.97467	2.6974	-0.141158	0.7386
LTC4S	HGC_27con	HGC_27004	OK	3.08846	2.80067	-0.141113	0.8645
CSTF2T	HGC_27con	HGC_27004	OK	11.8568	10.752	-0.141107	0.6438
HINT2	HGC_27con	HGC_27004	OK	118.894	107.823	-0.141006	0.6199
GPC2	HGC_27con	HGC_27004	OK	7.05331	6.39685	-0.140938	0.6875
OSTM1	HGC_27con	HGC_27004	OK	9.17031	8.31682	-0.140937	0.6343
THAP9	HGC_27con	HGC_27004	OK	2.18289	1.97991	-0.140802	0.8284
DNAJB1	HGC_27con	HGC_27004	OK	45.0076	40.8228	-0.140795	0.5958
C1orf159	HGC_27con	HGC_27004	OK	8.43948	7.65489	-0.140772	0.7072
FZD7	HGC_27con	HGC_27004	OK	15.5034	14.0631	-0.14067	0.622
RPL17	HGC_27con	HGC_27004	OK	2586.01	2345.81	-0.140641	0.5869
MAP2K5	HGC_27con	HGC_27004	OK	17.0763	15.4911	-0.140553	0.6352
NOC2L	HGC_27con	HGC_27004	OK	41.6704	37.8023	-0.140552	0.6352
TADA3	HGC_27con	HGC_27004	OK	35.0118	31.7637	-0.140461	0.7163
SPSB4	HGC_27con	HGC_27004	OK	3.2627	2.96052	-0.140216	0.7557
ANO3	HGC_27con	HGC_27004	NOTEST	0.08605	0.07809	-0.140124	1
CDK16	HGC_27con	HGC_27004	OK	28.6811	26.0267	-0.140108	0.6008
GSDMD	HGC_27con	HGC_27004	NOTEST	0.02263	0.02054	-0.139977	1
LOC101928847	HGC_27con	HGC_27004	OK	0.50608	0.45929	-0.139957	0.6228
ZFR	HGC_27con	HGC_27004	OK	23.8268	21.624	-0.139954	0.5954
UBA52	HGC_27con	HGC_27004	OK	317.032	287.724	-0.139942	0.5813
SATB2	HGC_27con	HGC_27004	OK	7.53239	6.83665	-0.139816	0.6287
MORN1	HGC_27con	HGC_27004	OK	3.6211	3.2867	-0.139786	0.7951
BANP	HGC_27con	HGC_27004	OK	6.76842	6.14373	-0.139705	0.7005
MAGED2	HGC_27con	HGC_27004	OK	67.968	61.6963	-0.139672	0.5941
ZNF575	HGC_27con	HGC_27004	OK	0.98799	0.89687	-0.139602	0.845
C20orf196	HGC_27con	HGC_27004	OK	5.7816	5.24851	-0.139561	0.8168
NDUFA7	HGC_27con	HGC_27004	OK	145.918	132.468	-0.139508	0.6275
TP53	HGC_27con	HGC_27004	OK	2.59769	2.35835	-0.139448	0.8051
RGP1	HGC_27con	HGC_27004	OK	7.00183	6.35679	-0.139433	0.7276
KIAA0195	HGC_27con	HGC_27004	OK	10.7602	9.76921	-0.139387	0.672
ATP6V1G2	HGC_27con	HGC_27004	OK	0.826	0.74995	-0.139349	0.9452
OVOL3	HGC_27con	HGC_27004	OK	0.53214	0.48315	-0.139345	0.8795
RASAL3	HGC_27con	HGC_27004	NOTEST	0.01313	0.01192	-0.139333	1
MAP1LC3C	HGC_27con	HGC_27004	OK	0.65333	0.59319	-0.139315	0.864
RPL37	HGC_27con	HGC_27004	OK	665.531	604.288	-0.13927	0.5766
PQBP1	HGC_27con	HGC_27004	OK	44.8976	40.7665	-0.139252	0.7179

LEF1-AS1	HGC_27con	HGC_27004	OK	3.03999	2.76033	-0.139225	0.919
HBP1	HGC_27con	HGC_27004	OK	8.10976	7.36598	-0.138782	0.7961
PLS3	HGC_27con	HGC_27004	OK	31.8012	28.8868	-0.13867	0.5925
TMEM63A	HGC_27con	HGC_27004	OK	5.5569	5.04777	-0.138635	0.7641
PRSS8	HGC_27con	HGC_27004	NOTEST	0.2877	0.26134	-0.138621	1
CALR	HGC_27con	HGC_27004	OK	690.849	627.569	-0.138597	0.5929
BRWD1-IT2	HGC_27con	HGC_27004	OK	0.71656	0.65099	-0.138452	0.8651
LOC439994	HGC_27con	HGC_27004	OK	3.28749	2.98679	-0.13839	0.8503
FAHD2A	HGC_27con	HGC_27004	OK	15.1553	13.7711	-0.138183	0.6897
VAV3	HGC_27con	HGC_27004	OK	7.72094	7.01628	-0.138071	0.6595
SEC61B	HGC_27con	HGC_27004	OK	392.849	357.002	-0.138042	0.5998
GAS5	HGC_27con	HGC_27004	OK	1152.02	1046.96	-0.137964	0.5979
LOC284581	HGC_27con	HGC_27004	NOTEST	0.21013	0.19098	-0.137917	1
SAMD13	HGC_27con	HGC_27004	OK	5.55922	5.05249	-0.137888	0.7433
IQCH	HGC_27con	HGC_27004	OK	0.53714	0.4882	-0.137811	0.9482
SNORA61	HGC_27con	HGC_27004	OK	69.071	62.7834	-0.137699	0.5936
USP3-AS1	HGC_27con	HGC_27004	OK	2.19257	1.99302	-0.13767	0.9186
RPL29	HGC_27con	HGC_27004	OK	1197.39	1088.45	-0.13761	0.5899
IGHMBP2	HGC_27con	HGC_27004	OK	3.72003	3.3816	-0.137607	0.6944
TACC1	HGC_27con	HGC_27004	OK	10.3623	9.41994	-0.13756	0.6076
NRG4	HGC_27con	HGC_27004	OK	0.75589	0.6872	-0.137457	0.8425
WDR48	HGC_27con	HGC_27004	OK	5.20017	4.72793	-0.137351	0.7265
MAP3K13	HGC_27con	HGC_27004	OK	13.761	12.5115	-0.137337	0.6837
PCDHB10	HGC_27con	HGC_27004	OK	0.59143	0.53783	-0.137055	0.8356
PHB2	HGC_27con	HGC_27004	OK	258.089	234.7	-0.137047	0.5926
ZMYND11	HGC_27con	HGC_27004	OK	25.3179	23.026	-0.136892	0.6034
RPL32	HGC_27con	HGC_27004	OK	612.437	557.029	-0.136809	0.5951
LOC100506639	HGC_27con	HGC_27004	OK	2.14983	1.95533	-0.136807	0.8637
CCDC42B	HGC_27con	HGC_27004	NOTEST	0.16768	0.15251	-0.136786	1
LRRC24	HGC_27con	HGC_27004	OK	12.3437	11.2275	-0.136743	0.8356
CTC1	HGC_27con	HGC_27004	OK	3.38714	3.08094	-0.136694	0.6705
SKIDA1	HGC_27con	HGC_27004	OK	3.25416	2.96001	-0.13668	0.6801
PGAP2	HGC_27con	HGC_27004	OK	10.1206	9.20584	-0.136679	0.902
RDX	HGC_27con	HGC_27004	OK	39.9444	36.3349	-0.136637	0.5976
POLD2	HGC_27con	HGC_27004	OK	184.335	167.681	-0.136606	0.5896
GAS8	HGC_27con	HGC_27004	OK	5.46003	4.96685	-0.136578	0.7597
KXD1	HGC_27con	HGC_27004	OK	79.0208	71.8866	-0.13651	0.6075
RPL36	HGC_27con	HGC_27004	OK	3431.71	3122.08	-0.13642	0.5915
GPS1	HGC_27con	HGC_27004	OK	44.1739	40.1896	-0.136372	0.6163
MMP11	HGC_27con	HGC_27004	NOTEST	0.13567	0.12343	-0.136359	1
ACD	HGC_27con	HGC_27004	OK	9.35952	8.51565	-0.136317	0.7054
TAF6L	HGC_27con	HGC_27004	OK	16.7744	15.2632	-0.13621	0.6712
RARA-AS1	HGC_27con	HGC_27004	NOTEST	0.02399	0.02183	-0.136205	1
DNAJB11	HGC_27con	HGC_27004	OK	80.3072	73.0767	-0.136117	0.6052
MPLKIP	HGC_27con	HGC_27004	OK	69.6257	63.3604	-0.136039	0.6372
ABHD4	HGC_27con	HGC_27004	OK	12.4821	11.3589	-0.136036	0.6598
PCDHB8	HGC_27con	HGC_27004	OK	0.4226	0.38459	-0.13596	0.8518
NAT16	HGC_27con	HGC_27004	NOTEST	0.07768	0.07071	-0.135703	1
CCDC142	HGC_27con	HGC_27004	OK	2.98185	2.71417	-0.135694	0.8066
PSMG4	HGC_27con	HGC_27004	OK	26.8173	24.4107	-0.135649	0.7406
ALKBH7	HGC_27con	HGC_27004	OK	81.3874	74.0839	-0.135645	0.6275
SLIT3	HGC_27con	HGC_27004	OK	11.2555	10.2454	-0.135642	0.6075
TAF12	HGC_27con	HGC_27004	OK	21.424	19.5017	-0.135625	0.6675
VWA1	HGC_27con	HGC_27004	NOTEST	0.22636	0.20605	-0.135611	1

SYNE2	HGC_27con	HGC_27004	OK	7.80791	7.10751	-0.135591	0.8813
ZNF420	HGC_27con	HGC_27004	OK	3.19545	2.90887	-0.135559	0.7235
VPS25	HGC_27con	HGC_27004	OK	34.47	31.3816	-0.13542	0.6518
KTN1	HGC_27con	HGC_27004	OK	38.2887	34.8616	-0.135278	0.6039
PTPN18	HGC_27con	HGC_27004	OK	13.5788	12.3635	-0.135268	0.6359
CYB5R2	HGC_27con	HGC_27004	OK	10.9209	9.94362	-0.135252	0.7126
MKL1	HGC_27con	HGC_27004	OK	6.40971	5.8364	-0.13518	0.7654
TPMT	HGC_27con	HGC_27004	OK	7.13225	6.49463	-0.135111	0.6707
SESN2	HGC_27con	HGC_27004	OK	27.7911	25.3067	-0.135104	0.6136
CEP170B	HGC_27con	HGC_27004	OK	9.51827	8.66792	-0.135014	0.6273
SLC48A1	HGC_27con	HGC_27004	OK	10.5547	9.61214	-0.134958	0.7853
PIGL	HGC_27con	HGC_27004	OK	5.72791	5.21662	-0.134893	0.7752
B4GALT7	HGC_27con	HGC_27004	OK	13.8486	12.6138	-0.134747	0.6919
ITGAE	HGC_27con	HGC_27004	OK	2.04156	1.85953	-0.134733	0.7925
SAC3D1	HGC_27con	HGC_27004	OK	30.4027	27.6923	-0.134711	0.6612
MED11	HGC_27con	HGC_27004	OK	8.25035	7.5149	-0.134701	0.7704
UACA	HGC_27con	HGC_27004	OK	9.98854	9.09838	-0.134664	0.6047
AURKAIP1	HGC_27con	HGC_27004	OK	129.601	118.052	-0.134656	0.619
ZSCAN23	HGC_27con	HGC_27004	OK	0.9897	0.90152	-0.134625	0.8097
C18orf32	HGC_27con	HGC_27004	OK	5.85609	5.33449	-0.134587	0.9226
ATMIN	HGC_27con	HGC_27004	OK	12.0204	10.9499	-0.134565	0.6258
NUAK1	HGC_27con	HGC_27004	OK	1.64156	1.49537	-0.134563	0.7243
HGFAC	HGC_27con	HGC_27004	NOTEST	0.0502	0.04573	-0.134546	1
PRR19	HGC_27con	HGC_27004	OK	7.29692	6.64737	-0.134504	0.8494
LOC613037	HGC_27con	HGC_27004	OK	0.74291	0.67679	-0.134487	0.8347
GALNT16	HGC_27con	HGC_27004	OK	2.42517	2.20944	-0.134403	0.7495
CHD1L	HGC_27con	HGC_27004	OK	21.0214	19.1526	-0.134317	0.6265
AKT1	HGC_27con	HGC_27004	OK	75.2759	68.5846	-0.134303	0.6065
PIANP	HGC_27con	HGC_27004	OK	5.07828	4.62774	-0.134031	0.7348
EPRS	HGC_27con	HGC_27004	OK	82.1484	74.862	-0.134	0.6608
ARSB	HGC_27con	HGC_27004	OK	2.24424	2.04527	-0.133933	0.7418
NTN5	HGC_27con	HGC_27004	NOTEST	0.03145	0.02866	-0.133924	1
MREG	HGC_27con	HGC_27004	OK	2.97376	2.7102	-0.13389	0.7514
ZNF709	HGC_27con	HGC_27004	NOTEST	0.25383	0.23136	-0.133699	1
PEX26	HGC_27con	HGC_27004	OK	10.6634	9.7202	-0.133616	0.6483
C4orf48	HGC_27con	HGC_27004	OK	123.962	112.998	-0.133602	0.7099
TBC1D22A	HGC_27con	HGC_27004	OK	6.8996	6.28969	-0.133523	0.6717
DYNLL1	HGC_27con	HGC_27004	OK	284.934	259.755	-0.133476	0.6148
HEYL	HGC_27con	HGC_27004	OK	0.79765	0.72716	-0.133476	0.8134
MAGEB2	HGC_27con	HGC_27004	OK	18.6116	16.9677	-0.133412	0.669
ASUN	HGC_27con	HGC_27004	OK	21.613	19.7046	-0.133366	0.6245
WHAMMP3	HGC_27con	HGC_27004	OK	0.71909	0.6556	-0.133365	0.8114
JAM2	HGC_27con	HGC_27004	NOTEST	0.06406	0.05841	-0.133305	1
SPOCK2	HGC_27con	HGC_27004	OK	0.57018	0.51987	-0.133278	0.8277
PAK6	HGC_27con	HGC_27004	OK	0.6025	0.54935	-0.13323	0.9489
FGF17	HGC_27con	HGC_27004	NOTEST	0.03521	0.03211	-0.133209	1
RRP9	HGC_27con	HGC_27004	OK	13.4847	12.2957	-0.133176	0.6874
SNORA57	HGC_27con	HGC_27004	OK	39.1542	35.7022	-0.133153	0.7973
MFN2	HGC_27con	HGC_27004	OK	25.8537	23.5743	-0.133152	0.6111
MAF1	HGC_27con	HGC_27004	OK	49.7924	45.4032	-0.133132	0.6299
ZNF585A	HGC_27con	HGC_27004	OK	17.1253	15.6182	-0.132907	0.7724
ITPKC	HGC_27con	HGC_27004	OK	2.94724	2.68791	-0.132883	0.8205
TMEM219	HGC_27con	HGC_27004	OK	58.3369	53.2047	-0.132856	0.6415
MOSPD1	HGC_27con	HGC_27004	OK	4.62473	4.21799	-0.132815	0.7367

PIN4	HGC_27con	HGC_27004	OK	10.1578	9.26509	-0.132713	0.7626
DSC2	HGC_27con	HGC_27004	OK	6.81865	6.21947	-0.132696	0.7705
GADD45A	HGC_27con	HGC_27004	OK	38.1278	34.7786	-0.132642	0.6384
PEX2	HGC_27con	HGC_27004	OK	7.24353	6.60763	-0.132561	0.6703
DAB2IP	HGC_27con	HGC_27004	OK	8.29573	7.56765	-0.132524	0.6471
GTF2E1	HGC_27con	HGC_27004	OK	4.80784	4.38622	-0.132409	0.7018
TM2D1	HGC_27con	HGC_27004	OK	18.6752	17.038	-0.132367	0.7016
RNF26	HGC_27con	HGC_27004	OK	41.5613	37.918	-0.132357	0.6315
LINC01139	HGC_27con	HGC_27004	OK	3.10918	2.83674	-0.132301	0.8087
TERT	HGC_27con	HGC_27004	NOTEST	0.21873	0.19956	-0.132286	1
POU4F3	HGC_27con	HGC_27004	NOTEST	0.05168	0.04715	-0.132269	1
EVI5L	HGC_27con	HGC_27004	OK	15.2557	13.9213	-0.132058	0.6354
HDAC11-AS1	HGC_27con	HGC_27004	NOTEST	0.12879	0.11752	-0.132025	1
ACSF2	HGC_27con	HGC_27004	OK	10.7512	9.81142	-0.13196	0.704
ZNF830	HGC_27con	HGC_27004	OK	8.86639	8.0925	-0.131761	0.6958
LSP1	HGC_27con	HGC_27004	NOTEST	0.08506	0.07764	-0.131661	1
SMARCA2	HGC_27con	HGC_27004	OK	16.2878	14.868	-0.131589	0.6734
CARD9	HGC_27con	HGC_27004	OK	0.3829	0.34954	-0.131507	0.8643
MRPS7	HGC_27con	HGC_27004	OK	39.164	35.7529	-0.131467	0.728
STX5	HGC_27con	HGC_27004	OK	22.3683	20.4214	-0.131378	0.6538
BLCAP	HGC_27con	HGC_27004	OK	23.9069	21.8264	-0.131354	0.6613
EXOC4	HGC_27con	HGC_27004	OK	18.8558	17.215	-0.131344	0.6279
UPF3A	HGC_27con	HGC_27004	OK	11.9904	10.9477	-0.131247	0.6471
TRIM59	HGC_27con	HGC_27004	NOTEST	0.13969	0.12755	-0.131235	1
TYW1	HGC_27con	HGC_27004	OK	8.74581	7.98585	-0.131146	0.6556
TEKT4P2	HGC_27con	HGC_27004	OK	35.5571	32.4698	-0.131036	0.671
C9orf117	HGC_27con	HGC_27004	OK	0.97431	0.88973	-0.131018	0.8823
SLC45A1	HGC_27con	HGC_27004	NOTEST	0.01957	0.01787	-0.130954	1
B3GAT3	HGC_27con	HGC_27004	OK	18.2637	16.6791	-0.130932	0.6739
CENPB	HGC_27con	HGC_27004	OK	27.0149	24.6715	-0.13091	0.6326
NAIF1	HGC_27con	HGC_27004	OK	4.82724	4.4087	-0.130847	0.7072
TMEM214	HGC_27con	HGC_27004	OK	35.5483	32.4675	-0.130784	0.6254
TBC1D17	HGC_27con	HGC_27004	OK	9.04547	8.26265	-0.13059	0.8058
HACL1	HGC_27con	HGC_27004	OK	6.49144	5.92978	-0.130561	0.7423
MVB12A	HGC_27con	HGC_27004	OK	67.7462	61.8851	-0.130548	0.652
SLC9A5	HGC_27con	HGC_27004	OK	1.82853	1.67041	-0.130477	0.7801
LINC00659	HGC_27con	HGC_27004	OK	0.78342	0.71572	-0.130383	0.8945
ABCB8	HGC_27con	HGC_27004	OK	12.3772	11.3077	-0.130376	0.6487
APOE	HGC_27con	HGC_27004	OK	177.791	162.445	-0.130236	0.6174
PIK3C2B	HGC_27con	HGC_27004	OK	7.1907	6.5706	-0.130108	0.6481
CD27	HGC_27con	HGC_27004	OK	0.95227	0.87015	-0.130107	0.912
KIAA0141	HGC_27con	HGC_27004	OK	12.9364	11.8208	-0.130105	0.6418
DCAF7	HGC_27con	HGC_27004	OK	27.8878	25.4843	-0.130025	0.679
RFX5	HGC_27con	HGC_27004	OK	34.5195	31.5451	-0.129997	0.6216
GOLIM4	HGC_27con	HGC_27004	OK	18.7987	17.1789	-0.129993	0.6268
ACPT	HGC_27con	HGC_27004	NOTEST	0.03818	0.03489	-0.1299	1
PYCR2	HGC_27con	HGC_27004	OK	42.5489	38.8904	-0.129708	0.6338
SLC7A10	HGC_27con	HGC_27004	NOTEST	0.23023	0.21045	-0.129642	1
SHC2	HGC_27con	HGC_27004	OK	5.67128	5.1839	-0.129635	0.7477
PGLYRP1	HGC_27con	HGC_27004	OK	0.32725	0.29914	-0.129581	0.9034
NEURL1	HGC_27con	HGC_27004	NOTEST	0.02257	0.02063	-0.12957	1
ZNF674-AS1	HGC_27con	HGC_27004	OK	1.14235	1.04425	-0.129545	0.8328
FADS3	HGC_27con	HGC_27004	OK	21.4735	19.6294	-0.129537	0.6741
GCDH	HGC_27con	HGC_27004	OK	20.0118	18.2933	-0.12953	0.6791

KCTD17	HGC_27con	HGC_27004	OK	4.68079	4.2789	-0.129512	0.7612
ACAD10	HGC_27con	HGC_27004	OK	5.92537	5.41694	-0.129427	0.6809
WDR73	HGC_27con	HGC_27004	OK	8.67581	7.93152	-0.129401	0.7065
VGLL2	HGC_27con	HGC_27004	NOTEST	0.02022	0.01848	-0.129237	1
PROCA1	HGC_27con	HGC_27004	OK	3.02468	2.7656	-0.129187	0.7777
PIKFYVE	HGC_27con	HGC_27004	OK	11.1986	10.2399	-0.129115	0.6331
RPS8	HGC_27con	HGC_27004	OK	2393.84	2189.23	-0.128903	0.6074
DHRS12	HGC_27con	HGC_27004	OK	5.57356	5.09717	-0.128902	0.7811
ZNF32-AS1	HGC_27con	HGC_27004	OK	15.1621	13.8675	-0.128762	0.8735
BMPR2	HGC_27con	HGC_27004	OK	8.52434	7.79676	-0.128713	0.6348
WDR1	HGC_27con	HGC_27004	OK	30.8418	28.2101	-0.128675	0.6224
TMED3	HGC_27con	HGC_27004	OK	54.9826	50.2932	-0.128611	0.6414
SOCS5	HGC_27con	HGC_27004	OK	10.2789	9.40297	-0.128502	0.6569
RB1	HGC_27con	HGC_27004	OK	12.8544	11.7596	-0.128424	0.6372
PYCR1	HGC_27con	HGC_27004	OK	5.48425	5.01721	-0.128408	0.7334
SOHLH2	HGC_27con	HGC_27004	OK	0.96137	0.87961	-0.128231	0.8898
EIF3D	HGC_27con	HGC_27004	OK	111.096	101.665	-0.127979	0.6189
SYNGR2	HGC_27con	HGC_27004	OK	23.745	21.7311	-0.127863	0.6867
BTN2A1	HGC_27con	HGC_27004	OK	5.85763	5.36089	-0.127844	0.6843
CYB5D2	HGC_27con	HGC_27004	OK	11.9244	10.9135	-0.127799	0.7172
PNISR	HGC_27con	HGC_27004	OK	10.2413	9.37374	-0.127698	0.6571
RNF220	HGC_27con	HGC_27004	OK	16.1508	14.7826	-0.127697	0.6617
CRISPLD1	HGC_27con	HGC_27004	OK	13.3611	12.2299	-0.127629	0.6524
ZNF37A	HGC_27con	HGC_27004	OK	3.87102	3.54335	-0.127597	0.6586
MLLT1	HGC_27con	HGC_27004	OK	28.6153	26.1933	-0.127588	0.639
AP1S1	HGC_27con	HGC_27004	OK	36.9783	33.8532	-0.127387	0.6572
LOC100129931	HGC_27con	HGC_27004	OK	5.34425	4.89279	-0.127328	0.767
C1QTNF2	HGC_27con	HGC_27004	OK	0.41162	0.37685	-0.127305	0.8594
MORC2	HGC_27con	HGC_27004	OK	13.4388	12.3049	-0.12717	0.6502
CLTA	HGC_27con	HGC_27004	OK	154.939	141.869	-0.127144	0.6293
PFDN5	HGC_27con	HGC_27004	OK	263.451	241.23	-0.127129	0.6256
PSMB4	HGC_27con	HGC_27004	OK	362.516	331.941	-0.127118	0.6239
UBAC2	HGC_27con	HGC_27004	OK	17.5793	16.0971	-0.127073	0.672
CC2D1A	HGC_27con	HGC_27004	OK	13.4064	12.2763	-0.127041	0.6642
PCBD1	HGC_27con	HGC_27004	OK	23.722	21.7226	-0.12703	0.6967
LRRC14	HGC_27con	HGC_27004	OK	6.02288	5.51576	-0.126894	0.7859
RABGGTA	HGC_27con	HGC_27004	OK	15.2724	13.987	-0.126842	0.673
RPS6KA1	HGC_27con	HGC_27004	OK	14.714	13.4762	-0.126779	0.6686
CBY3	HGC_27con	HGC_27004	OK	0.42288	0.38731	-0.126763	0.8917
RPL7A	HGC_27con	HGC_27004	OK	1962.66	1797.68	-0.126676	0.6263
SEPT7-AS1	HGC_27con	HGC_27004	OK	0.37343	0.34204	-0.126653	0.9061
SUPT7L	HGC_27con	HGC_27004	OK	11.7319	10.7461	-0.126629	0.7609
RPS9	HGC_27con	HGC_27004	OK	1094.12	1002.2	-0.12659	0.6219
NAPA-AS1	HGC_27con	HGC_27004	OK	2.46486	2.2578	-0.126588	0.9466
SMIM3	HGC_27con	HGC_27004	OK	1.37663	1.261	-0.126576	0.8207
LOC100507468	HGC_27con	HGC_27004	OK	0.47543	0.43553	-0.126474	0.8788
NEK8	HGC_27con	HGC_27004	OK	3.2062	2.93721	-0.126419	0.7601
PCDH18	HGC_27con	HGC_27004	OK	29.2409	26.789	-0.126347	0.6153
LOC100133985	HGC_27con	HGC_27004	OK	3.06104	2.80459	-0.126232	0.8573
BACE1-AS	HGC_27con	HGC_27004	OK	4.22	3.8665	-0.126213	0.9474
C6orf47	HGC_27con	HGC_27004	OK	5.46189	5.00457	-0.126154	0.724
RITA1	HGC_27con	HGC_27004	OK	10.4706	9.59437	-0.126082	0.7121
TMEM57	HGC_27con	HGC_27004	OK	5.03867	4.61706	-0.126068	0.6944
LINC01126	HGC_27con	HGC_27004	OK	1.85352	1.69844	-0.126053	0.8376

DALRD3	HGC_27con	HGC_27004	OK	19.0264	17.4347	-0.126044	0.8695
C21orf2	HGC_27con	HGC_27004	OK	6.63953	6.08407	-0.126043	0.7277
FOXN3-AS1	HGC_27con	HGC_27004	OK	7.63878	6.99984	-0.126018	0.9081
DYM	HGC_27con	HGC_27004	OK	27.0358	24.7746	-0.126009	0.6543
NDUFS8	HGC_27con	HGC_27004	OK	170.126	155.904	-0.125943	0.6366
DAPK3	HGC_27con	HGC_27004	OK	14.9708	13.7196	-0.125909	0.9231
ZSCAN32	HGC_27con	HGC_27004	OK	4.41498	4.04617	-0.125851	0.7233
CYP2S1	HGC_27con	HGC_27004	OK	1.3341	1.22275	-0.125741	0.8323
RNF122	HGC_27con	HGC_27004	OK	5.32681	4.88222	-0.125735	0.7653
DDX51	HGC_27con	HGC_27004	OK	3.75487	3.44156	-0.125697	0.7075
LENG1	HGC_27con	HGC_27004	OK	7.18473	6.58566	-0.125606	0.8637
NKG7	HGC_27con	HGC_27004	NOTEST	0.16415	0.15047	-0.12553	1
ZNF605	HGC_27con	HGC_27004	OK	1.51835	1.39204	-0.125305	0.736
LIMD2	HGC_27con	HGC_27004	OK	1.71237	1.57004	-0.125196	0.8599
FBXL13	HGC_27con	HGC_27004	NOTEST	0.11893	0.10904	-0.125177	1
GPKOW	HGC_27con	HGC_27004	OK	7.54087	6.91461	-0.125083	0.7188
PGPEP1	HGC_27con	HGC_27004	OK	1.90096	1.7432	-0.124993	0.72
NANOS2	HGC_27con	HGC_27004	NOTEST	0.03128	0.02869	-0.124971	1
ZNF225	HGC_27con	HGC_27004	OK	0.80368	0.73703	-0.1249	0.8254
DNAJC5	HGC_27con	HGC_27004	OK	12.2773	11.2596	-0.124842	0.6668
SPRYD3	HGC_27con	HGC_27004	OK	7.7086	7.06989	-0.12478	0.7903
KLHDC4	HGC_27con	HGC_27004	OK	9.64945	8.85028	-0.124724	0.6959
TRPM2	HGC_27con	HGC_27004	NOTEST	0.01183	0.01085	-0.124639	1
EIF4EBP2	HGC_27con	HGC_27004	OK	16.6422	15.2649	-0.124635	0.6449
MADD	HGC_27con	HGC_27004	OK	9.4459	8.66489	-0.124506	0.6723
DHX16	HGC_27con	HGC_27004	OK	17.3136	15.8826	-0.124459	0.6722
STARD4	HGC_27con	HGC_27004	OK	19.5442	17.9332	-0.124104	0.7865
VPS11	HGC_27con	HGC_27004	OK	12.8763	11.8158	-0.123998	0.6597
PML	HGC_27con	HGC_27004	OK	7.3338	6.73007	-0.123939	0.7241
PDCD6IPP2	HGC_27con	HGC_27004	OK	1.06906	0.98109	-0.123888	0.8267
HPS1	HGC_27con	HGC_27004	OK	31.4533	28.8651	-0.123885	0.6823
RAB13	HGC_27con	HGC_27004	OK	39.486	36.2373	-0.123866	0.6502
BRMS1	HGC_27con	HGC_27004	OK	31.0022	28.4519	-0.123848	0.6595
LAMTOR5	HGC_27con	HGC_27004	OK	62.6389	57.4873	-0.123814	0.6657
TNFRSF25	HGC_27con	HGC_27004	OK	4.65204	4.26966	-0.123742	0.8848
GCK	HGC_27con	HGC_27004	NOTEST	0.01516	0.01392	-0.12373	1
LOC642366	HGC_27con	HGC_27004	OK	0.32847	0.30147	-0.12372	0.8713
C16orf95	HGC_27con	HGC_27004	OK	10.8717	9.97874	-0.123647	0.7687
ADCY9	HGC_27con	HGC_27004	OK	7.16954	6.58088	-0.1236	0.6721
COQ10A	HGC_27con	HGC_27004	OK	17.3871	15.9597	-0.123583	0.699
KCNS3	HGC_27con	HGC_27004	OK	0.83772	0.76906	-0.123365	0.8477
ANKRD10	HGC_27con	HGC_27004	OK	25.4836	23.3957	-0.123325	0.6837
TCTN3	HGC_27con	HGC_27004	OK	15.2168	13.9712	-0.123209	0.6701
MAB21L1	HGC_27con	HGC_27004	OK	52.5807	48.2769	-0.123202	0.6709
NAA40	HGC_27con	HGC_27004	OK	10.7699	9.88918	-0.123077	0.6703
RAF1	HGC_27con	HGC_27004	OK	31.3041	28.7481	-0.122884	0.6952
SNHG3	HGC_27con	HGC_27004	OK	49.3498	45.3215	-0.122848	0.7207
H3F3B	HGC_27con	HGC_27004	OK	120.721	110.872	-0.122772	0.6324
LINC00630	HGC_27con	HGC_27004	OK	1.11167	1.021	-0.122755	0.8368
TJP3	HGC_27con	HGC_27004	OK	0.99286	0.91193	-0.122665	0.949
JAK1	HGC_27con	HGC_27004	OK	12.6842	11.6511	-0.122571	0.7396
NFKBIL1	HGC_27con	HGC_27004	OK	17.2076	15.8079	-0.122396	0.6902
FBXL16	HGC_27con	HGC_27004	OK	13.1835	12.1113	-0.122385	0.6765
ANXA6	HGC_27con	HGC_27004	OK	56.3127	51.7327	-0.122382	0.6306

AMIGO1	HGC_27con	HGC_27004	NOTEST	0.01359	0.01248	-0.122216	1
TYK2	HGC_27con	HGC_27004	OK	37.4064	34.3683	-0.122207	0.6452
GNG13	HGC_27con	HGC_27004	NOTEST	0.2117	0.19452	-0.122141	1
INTS9	HGC_27con	HGC_27004	OK	11.4588	10.529	-0.122089	0.6935
SNRK-AS1	HGC_27con	HGC_27004	OK	2.17589	1.99956	-0.121922	0.8075
INPP5A	HGC_27con	HGC_27004	OK	8.24883	7.58068	-0.121861	0.7153
WDR6	HGC_27con	HGC_27004	OK	36.7756	33.797	-0.121857	0.6799
SEMA4C	HGC_27con	HGC_27004	OK	11.3843	10.4624	-0.121826	0.6849
MNT	HGC_27con	HGC_27004	OK	4.97532	4.57251	-0.121802	0.7081
CREBRF	HGC_27con	HGC_27004	OK	1.6127	1.48219	-0.121749	0.7461
GIPC1	HGC_27con	HGC_27004	OK	93.7786	86.1916	-0.12171	0.6479
ZNF593	HGC_27con	HGC_27004	OK	34.1354	31.3738	-0.121707	0.7402
FGFR1OP2	HGC_27con	HGC_27004	OK	25.8398	23.7501	-0.121663	0.7147
ANKRD29	HGC_27con	HGC_27004	OK	3.87822	3.56475	-0.121595	0.7412
RB1CC1	HGC_27con	HGC_27004	OK	6.84747	6.29401	-0.121593	0.6659
E2F4	HGC_27con	HGC_27004	OK	26.7261	24.5664	-0.121568	0.6711
CYSTM1	HGC_27con	HGC_27004	OK	73.7194	67.7636	-0.121533	0.6704
HIST1H2BN	HGC_27con	HGC_27004	OK	2.56318	2.35613	-0.121513	0.8907
PTMS	HGC_27con	HGC_27004	OK	188.798	173.548	-0.121506	0.6309
RPS26	HGC_27con	HGC_27004	OK	842.933	774.873	-0.121458	0.6368
SFRP5	HGC_27con	HGC_27004	NOTEST	0.02331	0.02143	-0.121409	1
RGAG4	HGC_27con	HGC_27004	OK	0.51459	0.47311	-0.121256	0.8358
LMBR1L	HGC_27con	HGC_27004	OK	5.66871	5.21189	-0.121212	0.7524
ZNF75A	HGC_27con	HGC_27004	OK	7.47459	6.8723	-0.121202	0.7672
PTPN21	HGC_27con	HGC_27004	OK	5.0113	4.60761	-0.121167	0.6876
HIATL2	HGC_27con	HGC_27004	OK	5.04047	4.63454	-0.121131	0.8462
TMEM210	HGC_27con	HGC_27004	NOTEST	0.13225	0.12161	-0.121009	1
TSHZ1	HGC_27con	HGC_27004	OK	6.77617	6.23104	-0.120998	0.6765
CEP164	HGC_27con	HGC_27004	OK	11.2469	10.3421	-0.120996	0.6529
LINC00641	HGC_27con	HGC_27004	OK	3.48445	3.20416	-0.120986	0.7577
SLIT2	HGC_27con	HGC_27004	OK	18.3452	16.8708	-0.120877	0.6397
RPL34	HGC_27con	HGC_27004	OK	457.837	421.076	-0.120756	0.6338
RPL35	HGC_27con	HGC_27004	OK	1628.31	1497.7	-0.120626	0.6279
CPVL	HGC_27con	HGC_27004	OK	53.0896	48.8332	-0.120568	0.6538
PTOV1-AS1	HGC_27con	HGC_27004	OK	3.53461	3.25133	-0.120522	0.9114
KRT16	HGC_27con	HGC_27004	NOTEST	0.01983	0.01824	-0.120514	1
FAM201A	HGC_27con	HGC_27004	OK	1.7876	1.64436	-0.120503	0.8416
S100PBP	HGC_27con	HGC_27004	OK	6.86497	6.31505	-0.12046	0.8814
MAP4K1	HGC_27con	HGC_27004	OK	0.35373	0.32544	-0.120234	0.8636
CORO2B	HGC_27con	HGC_27004	OK	0.48261	0.44402	-0.120233	0.8602
SFXN3	HGC_27con	HGC_27004	OK	12.0177	11.0585	-0.120011	0.6927
TLR9	HGC_27con	HGC_27004	NOTEST	0.02285	0.02103	-0.119972	1
RBCK1	HGC_27con	HGC_27004	OK	29.8664	27.4834	-0.119962	0.6589
PCCA	HGC_27con	HGC_27004	OK	6.71969	6.18368	-0.11993	0.7755
ANKRD11	HGC_27con	HGC_27004	OK	23.5173	21.6422	-0.119874	0.7294
TNFSF10	HGC_27con	HGC_27004	NOTEST	0.19846	0.18264	-0.119868	1
RPS10	HGC_27con	HGC_27004	OK	1669.72	1536.61	-0.119858	0.6455
DOK6	HGC_27con	HGC_27004	OK	2.30194	2.11849	-0.119814	0.7211
C17orf62	HGC_27con	HGC_27004	OK	24.5514	22.5953	-0.119782	0.7822
C22orf46	HGC_27con	HGC_27004	OK	3.2468	2.98827	-0.119708	0.7008
FAM133B	HGC_27con	HGC_27004	OK	4.58541	4.22031	-0.119703	0.7707
ETV6	HGC_27con	HGC_27004	OK	1.75674	1.61687	-0.119697	0.7585
MRPL48	HGC_27con	HGC_27004	OK	24.5899	22.6329	-0.11964	0.7029
RHBG	HGC_27con	HGC_27004	NOTEST	0.0696	0.06406	-0.119591	1

QPRT	HGC_27con	HGC_27004	OK	164.394	151.318	-0.11957	0.6458
CATSPER3	HGC_27con	HGC_27004	OK	0.85626	0.78816	-0.119555	0.8728
DHX8	HGC_27con	HGC_27004	OK	10.8422	9.98064	-0.119457	0.6638
LCLAT1	HGC_27con	HGC_27004	OK	6.42573	5.91513	-0.119451	0.7016
PXMP4	HGC_27con	HGC_27004	OK	3.39866	3.12871	-0.119398	0.7264
RIMBP3B,RIMBP3C	HGC_27con	HGC_27004	NOTEST	0.00707	0.00651	-0.119384	1
LMAN2L	HGC_27con	HGC_27004	OK	6.96798	6.41478	-0.119341	0.725
LOC100507472	HGC_27con	HGC_27004	NOTEST	0.13415	0.1235	-0.119306	1
GABBR1	HGC_27con	HGC_27004	OK	6.21895	5.72556	-0.119254	0.7109
ARRDC3-AS1	HGC_27con	HGC_27004	OK	0.47833	0.44038	-0.119253	0.9217
SDCBP	HGC_27con	HGC_27004	OK	43.7549	40.2854	-0.119185	0.6698
RETN	HGC_27con	HGC_27004	NOTEST	0.14879	0.13699	-0.119172	1
FOXD2	HGC_27con	HGC_27004	OK	0.51946	0.47831	-0.119071	0.8837
ARAF	HGC_27con	HGC_27004	OK	15.5995	14.3638	-0.119057	0.7714
SNHG12	HGC_27con	HGC_27004	OK	24.1998	22.2841	-0.118979	0.7915
LINC00909	HGC_27con	HGC_27004	OK	2.26222	2.08326	-0.118895	0.7835
LINC01447	HGC_27con	HGC_27004	NOTEST	0.24576	0.22635	-0.118731	1
GPR62	HGC_27con	HGC_27004	NOTEST	0.06681	0.06153	-0.11873	1
ZNF76	HGC_27con	HGC_27004	OK	13.6946	12.6135	-0.118641	0.6847
CDKN2A	HGC_27con	HGC_27004	OK	180.39	166.155	-0.118593	0.6526
DGCR2	HGC_27con	HGC_27004	OK	12.7645	11.7576	-0.118533	0.6747
ZNF19	HGC_27con	HGC_27004	OK	0.78303	0.72127	-0.11853	0.8518
PHF12	HGC_27con	HGC_27004	OK	9.21695	8.4903	-0.118474	0.687
ZNF768	HGC_27con	HGC_27004	OK	23.2369	21.406	-0.118403	0.6759
C9orf106	HGC_27con	HGC_27004	NOTEST	0.05485	0.05053	-0.118361	1
RPS3	HGC_27con	HGC_27004	OK	1340.71	1235.15	-0.118305	0.6489
GUK1	HGC_27con	HGC_27004	OK	114.819	105.779	-0.118305	0.6618
LIPT1	HGC_27con	HGC_27004	OK	2.97774	2.74333	-0.118289	0.8219
SLC35B3	HGC_27con	HGC_27004	OK	13.1148	12.0826	-0.118269	0.7163
SLC16A5	HGC_27con	HGC_27004	NOTEST	0.08758	0.08069	-0.118245	1
ZNRF1	HGC_27con	HGC_27004	OK	7.12061	6.5603	-0.11824	0.7147
PHKG2	HGC_27con	HGC_27004	OK	7.89165	7.27098	-0.118178	0.8732
TMTC2	HGC_27con	HGC_27004	OK	7.74071	7.13253	-0.118053	0.6883
HDDC3	HGC_27con	HGC_27004	OK	16.345	15.0609	-0.118048	0.863
SLC5A5	HGC_27con	HGC_27004	NOTEST	0.06213	0.05725	-0.118042	1
HHIP-AS1	HGC_27con	HGC_27004	OK	2.93376	2.70328	-0.118036	0.8913
CHDH	HGC_27con	HGC_27004	OK	2.95392	2.72202	-0.117957	0.7633
FTSJ3	HGC_27con	HGC_27004	OK	15.7139	14.4804	-0.117938	0.7963
KATNAL2	HGC_27con	HGC_27004	OK	2.59225	2.38889	-0.117866	0.7781
LINC00696	HGC_27con	HGC_27004	NOTEST	0.01905	0.01756	-0.117838	1
TMEM105	HGC_27con	HGC_27004	NOTEST	0.02349	0.02165	-0.117815	1
CYB561D2	HGC_27con	HGC_27004	OK	13.4196	12.3678	-0.117746	0.8411
NFATC1	HGC_27con	HGC_27004	OK	3.79655	3.49914	-0.11769	0.7638
TLDC2	HGC_27con	HGC_27004	NOTEST	0.2257	0.20803	-0.117578	1
SUPT6H	HGC_27con	HGC_27004	OK	18.3531	16.9169	-0.117558	0.6594
RPL26L1	HGC_27con	HGC_27004	OK	72.7578	67.0653	-0.117535	0.6795
FXYD5	HGC_27con	HGC_27004	OK	74.839	68.9845	-0.117517	0.6772
ZNF83	HGC_27con	HGC_27004	OK	2.7995	2.58052	-0.117507	0.7648
NSF	HGC_27con	HGC_27004	OK	16.502	15.212	-0.117432	0.6673
GTPBP2	HGC_27con	HGC_27004	OK	19.0022	17.5181	-0.117316	0.7291
ABALON	HGC_27con	HGC_27004	OK	9.69298	8.93686	-0.117172	0.8144
LMAN2	HGC_27con	HGC_27004	OK	122.57	113.01	-0.117156	0.6528
SFXN5	HGC_27con	HGC_27004	OK	2.36552	2.18116	-0.117061	0.7703
ARHGEF19	HGC_27con	HGC_27004	OK	3.4836	3.21251	-0.116878	0.7742

LRCOL1	HGC_27con	HGC_27004	NOTEST	0.05884	0.05426	-0.116866	1
ORC4	HGC_27con	HGC_27004	OK	12.9201	11.9148	-0.116858	0.6884
RBM45	HGC_27con	HGC_27004	OK	4.91778	4.53528	-0.116815	0.777
ARPC1B	HGC_27con	HGC_27004	OK	131.384	121.168	-0.116774	0.7162
TTC24	HGC_27con	HGC_27004	NOTEST	0.01547	0.01427	-0.1167	1
FAHD2CP	HGC_27con	HGC_27004	OK	3.99447	3.68415	-0.116672	0.8437
KEAP1	HGC_27con	HGC_27004	OK	108.41	99.988	-0.116669	0.6477
CWF19L2	HGC_27con	HGC_27004	OK	4.7053	4.33989	-0.11663	0.7125
ACSBG2	HGC_27con	HGC_27004	NOTEST	0.17099	0.15772	-0.116544	1
LY6G6E	HGC_27con	HGC_27004	OK	0.36858	0.33998	-0.116529	0.8928
CRHR2	HGC_27con	HGC_27004	NOTEST	0.02838	0.02618	-0.116515	1
CYP24A1	HGC_27con	HGC_27004	NOTEST	0.08214	0.07577	-0.116475	1
LOC101926943	HGC_27con	HGC_27004	OK	9.07162	8.36837	-0.116413	0.9236
RNF31	HGC_27con	HGC_27004	OK	11.7461	10.8358	-0.116378	0.693
PSTPIP1	HGC_27con	HGC_27004	NOTEST	0.01891	0.01744	-0.116338	1
LSM10	HGC_27con	HGC_27004	OK	47.2425	43.5856	-0.116236	0.6994
ALDH7A1	HGC_27con	HGC_27004	OK	15.4125	14.2195	-0.116235	0.6731
FAM185A	HGC_27con	HGC_27004	OK	3.36852	3.10799	-0.11613	0.7906
PDCD6	HGC_27con	HGC_27004	OK	49.1254	45.3287	-0.116045	0.7649
TRIM26	HGC_27con	HGC_27004	OK	13.4454	12.4068	-0.115979	0.678
ZNF503	HGC_27con	HGC_27004	OK	47.1074	43.4713	-0.11589	0.6656
RPS2	HGC_27con	HGC_27004	OK	6345.49	5855.83	-0.115856	0.6746
MAPKBP1	HGC_27con	HGC_27004	OK	3.02384	2.79052	-0.11585	0.7217
MSANTD1	HGC_27con	HGC_27004	NOTEST	0.02926	0.02701	-0.115816	1
LOC100506730	HGC_27con	HGC_27004	OK	1.37236	1.26655	-0.115752	0.8375
MED29	HGC_27con	HGC_27004	OK	6.02012	5.55604	-0.115734	0.7213
NPPA	HGC_27con	HGC_27004	NOTEST	0.31452	0.29029	-0.115649	1
C14orf93	HGC_27con	HGC_27004	OK	11.9517	11.0311	-0.115631	0.7013
SSNA1	HGC_27con	HGC_27004	OK	54.2857	50.1085	-0.115518	0.7609
COLGALT2	HGC_27con	HGC_27004	OK	4.55056	4.20056	-0.115463	0.7128
WTIP	HGC_27con	HGC_27004	OK	4.3173	3.98588	-0.11523	0.8017
EIF3G	HGC_27con	HGC_27004	OK	240.416	221.972	-0.115154	0.6958
NKTR	HGC_27con	HGC_27004	OK	7.595	7.01245	-0.11513	0.7546
SDCBP2-AS1	HGC_27con	HGC_27004	OK	1.40998	1.30199	-0.114959	0.9395
SPDYE2B	HGC_27con	HGC_27004	NOTEST	0.0265	0.02447	-0.114919	1
SACS	HGC_27con	HGC_27004	OK	0.36307	0.33528	-0.114878	0.799
MAP6	HGC_27con	HGC_27004	NOTEST	0.12835	0.11853	-0.114843	1
PPP2R1A	HGC_27con	HGC_27004	OK	64.7207	59.7714	-0.114771	0.6633
TBCC	HGC_27con	HGC_27004	OK	21.0193	19.4122	-0.114752	0.7144
NACA	HGC_27con	HGC_27004	OK	949.245	876.679	-0.114732	0.6539
GALNT14	HGC_27con	HGC_27004	OK	10.7353	9.91509	-0.114659	0.7007
CCDC97	HGC_27con	HGC_27004	OK	10.2541	9.47107	-0.114607	0.7018
CUX1	HGC_27con	HGC_27004	OK	19.3485	17.8712	-0.114591	0.7225
GPR176	HGC_27con	HGC_27004	OK	10.0492	9.28218	-0.114549	0.6917
PITRM1	HGC_27con	HGC_27004	OK	11.2276	10.3707	-0.11454	0.7069
LYRM1	HGC_27con	HGC_27004	OK	13.25	12.2392	-0.114482	0.7772
BRD1	HGC_27con	HGC_27004	OK	12.1974	11.267	-0.114463	0.682
AP3D1	HGC_27con	HGC_27004	OK	68.4213	63.205	-0.114408	0.6534
RASSF7	HGC_27con	HGC_27004	OK	8.82918	8.15684	-0.114268	0.7677
ZSCAN9	HGC_27con	HGC_27004	OK	4.06938	3.75968	-0.114201	0.7717
CHMP1A	HGC_27con	HGC_27004	OK	28.0246	25.8927	-0.114148	0.6942
IRF3	HGC_27con	HGC_27004	OK	13.0578	12.0654	-0.114036	0.7627
POLR2A	HGC_27con	HGC_27004	OK	37.233	34.4063	-0.113909	0.6574
TIAM1	HGC_27con	HGC_27004	OK	6.01891	5.562	-0.113898	0.6955

ARHGAP31	HGC_27con	HGC_27004	OK	1.88098	1.73819	-0.113897	0.7403
CLDN15	HGC_27con	HGC_27004	OK	11.775	10.8812	-0.113892	0.7424
NFIX	HGC_27con	HGC_27004	OK	73.2234	67.666	-0.113875	0.6491
LRFN1	HGC_27con	HGC_27004	OK	4.84229	4.47499	-0.113805	0.7817
C2orf76	HGC_27con	HGC_27004	OK	3.54582	3.27697	-0.113758	0.8489
PIDD1	HGC_27con	HGC_27004	OK	9.62083	8.89155	-0.113726	0.8224
ZNF324	HGC_27con	HGC_27004	OK	2.43677	2.25218	-0.113644	0.7996
NETO2	HGC_27con	HGC_27004	OK	28.5469	26.3859	-0.113569	0.6664
TBC1D14	HGC_27con	HGC_27004	OK	3.16297	2.92362	-0.113521	0.831
DHX30	HGC_27con	HGC_27004	OK	21.6841	20.0443	-0.113442	0.6798
RAD51L3-RFFL	HGC_27con	HGC_27004	OK	1.19237	1.10225	-0.113377	0.8998
ATP6AP2	HGC_27con	HGC_27004	OK	20.2239	18.6957	-0.113356	0.706
CCHCR1	HGC_27con	HGC_27004	OK	11.0298	10.1966	-0.113314	0.6988
NFATC3	HGC_27con	HGC_27004	OK	10.7718	9.95896	-0.113186	0.6896
APOL6	HGC_27con	HGC_27004	OK	0.49234	0.4552	-0.113165	0.8197
KCND1	HGC_27con	HGC_27004	OK	1.49402	1.38133	-0.11314	0.8166
ARFGAP2	HGC_27con	HGC_27004	OK	22.7867	21.0686	-0.113099	0.716
LYST	HGC_27con	HGC_27004	OK	4.13463	3.82307	-0.113027	0.7574
PSMC4	HGC_27con	HGC_27004	OK	35.6648	32.9774	-0.113024	0.6786
STK32C	HGC_27con	HGC_27004	OK	6.63457	6.13466	-0.113019	0.7661
MZT2A	HGC_27con	HGC_27004	OK	140.627	130.039	-0.112928	0.7141
CALHM1	HGC_27con	HGC_27004	NOTEST	0.01119	0.01035	-0.112882	1
ANKRD17	HGC_27con	HGC_27004	OK	12.9051	11.9341	-0.112845	0.6691
DDRGK1	HGC_27con	HGC_27004	OK	23.6796	21.8989	-0.112783	0.703
SYNGR4	HGC_27con	HGC_27004	OK	1.78817	1.65377	-0.112721	0.8681
DDX54	HGC_27con	HGC_27004	OK	13.927	12.8807	-0.112683	0.6842
ARNT	HGC_27con	HGC_27004	OK	13.4681	12.4564	-0.11266	0.6795
LIG4	HGC_27con	HGC_27004	OK	2.33503	2.15968	-0.112623	0.7703
PRPF40B	HGC_27con	HGC_27004	OK	2.81161	2.60068	-0.112508	0.8526
PCDH9	HGC_27con	HGC_27004	OK	10.0028	9.25268	-0.112467	0.6836
TMEM260	HGC_27con	HGC_27004	OK	6.96588	6.44348	-0.112465	0.718
FBXO9	HGC_27con	HGC_27004	OK	13.1247	12.1413	-0.112355	0.6889
FAM65A	HGC_27con	HGC_27004	OK	13.077	12.0981	-0.112252	0.7001
LETMD1	HGC_27con	HGC_27004	OK	87.6246	81.066	-0.112238	0.667
GUSB	HGC_27con	HGC_27004	OK	55.5508	51.3948	-0.112185	0.6736
PAX6	HGC_27con	HGC_27004	OK	13.8839	12.8456	-0.112137	0.7619
PKD1	HGC_27con	HGC_27004	OK	17.859	16.5237	-0.112109	0.7169
MCF2	HGC_27con	HGC_27004	NOTEST	0.05657	0.05235	-0.112062	1
ITPKA	HGC_27con	HGC_27004	OK	4.38281	4.0553	-0.112049	0.8149
OGFOD2	HGC_27con	HGC_27004	OK	9.65684	8.93527	-0.11204	0.7505
LCMT1	HGC_27con	HGC_27004	OK	15.9002	14.7127	-0.111982	0.7353
COMMD1	HGC_27con	HGC_27004	OK	27.4913	25.4383	-0.111972	0.7428
ZSCAN20	HGC_27con	HGC_27004	OK	0.70957	0.6566	-0.111924	0.8299
FKBP15	HGC_27con	HGC_27004	OK	10.9354	10.1191	-0.11192	0.6837
ZGPAT	HGC_27con	HGC_27004	OK	8.47142	7.83908	-0.111919	0.8446
CRK	HGC_27con	HGC_27004	OK	15.7438	14.5693	-0.111854	0.6915
CDS1	HGC_27con	HGC_27004	OK	1.38644	1.28308	-0.111775	0.8168
BAIAP2	HGC_27con	HGC_27004	OK	12.9268	11.9648	-0.111577	0.7358
LLPH-AS1	HGC_27con	HGC_27004	OK	3.1727	2.93661	-0.111558	0.936
CRIPT	HGC_27con	HGC_27004	OK	4.14677	3.83829	-0.111524	0.7395
CDC42SE2	HGC_27con	HGC_27004	OK	14.5272	13.4466	-0.111513	0.6987
C7orf31	HGC_27con	HGC_27004	OK	3.62771	3.35795	-0.11148	0.7581
RASAL2	HGC_27con	HGC_27004	OK	3.15927	2.92446	-0.111421	0.7111
C1orf158	HGC_27con	HGC_27004	OK	0.57093	0.52856	-0.111249	0.8891

ZNF815P	HGC_27con	HGC_27004	OK	0.98298	0.91013	-0.111082	0.8433
PCOLCE-AS1	HGC_27con	HGC_27004	OK	0.81444	0.75416	-0.110938	0.9078
SEC13	HGC_27con	HGC_27004	OK	58.0076	53.7161	-0.110887	0.6811
SPG7	HGC_27con	HGC_27004	OK	14.2051	13.1544	-0.110864	0.6921
NDUFB10	HGC_27con	HGC_27004	OK	143.992	133.343	-0.110845	0.6796
PPM1F	HGC_27con	HGC_27004	OK	8.05857	7.46274	-0.110819	0.7072
TJAP1	HGC_27con	HGC_27004	OK	11.6747	10.8118	-0.110774	0.7176
TAX1BP1	HGC_27con	HGC_27004	OK	35.9092	33.2568	-0.110708	0.6646
EMD	HGC_27con	HGC_27004	OK	92.9725	86.1067	-0.110679	0.6821
HSPB1	HGC_27con	HGC_27004	OK	440.784	408.271	-0.110544	0.6739
ZNF510	HGC_27con	HGC_27004	OK	4.21862	3.90746	-0.11054	0.7279
VEGFA	HGC_27con	HGC_27004	OK	85.4162	79.1211	-0.110447	0.6714
DUSP22	HGC_27con	HGC_27004	OK	26.5577	24.6024	-0.11033	0.711
APOL2	HGC_27con	HGC_27004	OK	1.47363	1.36525	-0.11021	0.8237
TRIM28	HGC_27con	HGC_27004	OK	141.283	130.905	-0.110067	0.6653
PLD2	HGC_27con	HGC_27004	OK	8.20568	7.60293	-0.110066	0.711
ITGB2	HGC_27con	HGC_27004	NOTEST	0.22393	0.20749	-0.110046	1
ASCL1	HGC_27con	HGC_27004	OK	0.90365	0.8373	-0.110014	0.8622
JMY	HGC_27con	HGC_27004	OK	3.00158	2.78128	-0.109974	0.725
PARP6	HGC_27con	HGC_27004	OK	13.3136	12.3367	-0.109936	0.7133
HSPA12B	HGC_27con	HGC_27004	OK	0.60563	0.56122	-0.109861	0.869
DTNB	HGC_27con	HGC_27004	OK	5.74244	5.32195	-0.10971	0.7696
LUNAR1	HGC_27con	HGC_27004	NOTEST	0.1032	0.09565	-0.109656	1
RSBN1	HGC_27con	HGC_27004	OK	2.58113	2.39239	-0.109548	0.7592
TBC1D25	HGC_27con	HGC_27004	OK	3.13258	2.90362	-0.109498	0.7694
NT5C1A	HGC_27con	HGC_27004	NOTEST	0.04011	0.03718	-0.109498	1
VAMP5	HGC_27con	HGC_27004	NOTEST	0.06332	0.05869	-0.10945	1
SNORA84	HGC_27con	HGC_27004	OK	23.2077	21.5125	-0.109433	0.9075
DLX5	HGC_27con	HGC_27004	OK	5.47531	5.07538	-0.109424	0.8108
MARC2	HGC_27con	HGC_27004	OK	0.36867	0.34176	-0.109377	0.8954
CYP27A1	HGC_27con	HGC_27004	NOTEST	0.03423	0.03173	-0.109329	1
PLA2G10	HGC_27con	HGC_27004	NOTEST	0.26882	0.24922	-0.109252	1
ZNF33A	HGC_27con	HGC_27004	OK	4.78169	4.43297	-0.109246	0.716
GLI1	HGC_27con	HGC_27004	OK	4.1792	3.87465	-0.109161	0.7594
ROBO4	HGC_27con	HGC_27004	NOTEST	0.02191	0.02031	-0.109113	1
NUCB1	HGC_27con	HGC_27004	OK	61.862	57.3559	-0.109112	0.6671
LINC00526	HGC_27con	HGC_27004	OK	2.33437	2.16433	-0.109111	0.8597
MOCS1	HGC_27con	HGC_27004	OK	1.38796	1.28699	-0.108962	0.8104
VSNL1	HGC_27con	HGC_27004	OK	3.33897	3.09625	-0.108881	0.8074
ACOT13	HGC_27con	HGC_27004	OK	6.2799	5.82396	-0.108741	0.8521
EIF3J-AS1	HGC_27con	HGC_27004	OK	6.24892	5.7953	-0.108724	0.7661
DSCR8	HGC_27con	HGC_27004	OK	24.6733	22.8824	-0.108712	0.802
MAP1LC3B	HGC_27con	HGC_27004	OK	22.395	20.7707	-0.108626	0.7057
LOC105377348	HGC_27con	HGC_27004	OK	0.79153	0.73414	-0.108587	0.9583
ANKS3	HGC_27con	HGC_27004	OK	4.44029	4.11845	-0.108551	0.7836
FN3K	HGC_27con	HGC_27004	OK	0.38496	0.35706	-0.108544	0.9164
TMEM14B	HGC_27con	HGC_27004	OK	86.1802	79.9479	-0.108297	0.696
CTAG2	HGC_27con	HGC_27004	OK	219.277	203.422	-0.108278	0.6874
HM13	HGC_27con	HGC_27004	OK	102.444	95.04	-0.108223	0.6869
LOC100506175	HGC_27con	HGC_27004	NOTEST	0.18569	0.17227	-0.10819	1
STK17A	HGC_27con	HGC_27004	OK	10.5433	9.78174	-0.108169	0.7154
CDIP1	HGC_27con	HGC_27004	NOTEST	0.20057	0.18608	-0.108127	1
VPS9D1-AS1	HGC_27con	HGC_27004	OK	16.7907	15.5785	-0.108104	0.8624
RPN2	HGC_27con	HGC_27004	OK	133.805	124.146	-0.108091	0.668

ZDHC7	HGC_27con	HGC_27004	OK	16.1873	15.0201	-0.107967	0.7021
MCAM	HGC_27con	HGC_27004	OK	12.7391	11.8207	-0.10794	0.7104
HECTD3	HGC_27con	HGC_27004	OK	9.03222	8.38118	-0.107928	0.7178
SFTPD	HGC_27con	HGC_27004	NOTEST	0.07155	0.06639	-0.107888	1
WDR90	HGC_27con	HGC_27004	OK	7.24866	6.72662	-0.107834	0.7327
VHL	HGC_27con	HGC_27004	OK	21.9623	20.3817	-0.107754	0.6813
WRAP73	HGC_27con	HGC_27004	OK	15.8454	14.7051	-0.107742	0.7425
TPBG	HGC_27con	HGC_27004	OK	5.79684	5.38015	-0.107621	0.7664
LINC01004	HGC_27con	HGC_27004	OK	1.54172	1.43092	-0.107596	0.7635
MIR181D	HGC_27con	HGC_27004	OK	4.55937	4.23218	-0.107433	0.4043
FLJ42627	HGC_27con	HGC_27004	OK	1.73159	1.60737	-0.107397	0.763
SKI	HGC_27con	HGC_27004	OK	17.9088	16.6241	-0.107394	0.6974
WIPI1	HGC_27con	HGC_27004	OK	11.8215	10.9736	-0.10738	0.8774
RABL6	HGC_27con	HGC_27004	OK	43.4729	40.3549	-0.107375	0.6985
LGALS8	HGC_27con	HGC_27004	OK	3.35456	3.11397	-0.107365	0.9049
MED20	HGC_27con	HGC_27004	OK	9.17929	8.52105	-0.107351	0.7366
MINK1	HGC_27con	HGC_27004	OK	5.58566	5.18517	-0.107336	0.7279
INTS10	HGC_27con	HGC_27004	OK	27.4281	25.4616	-0.107332	0.6953
TSPAN3	HGC_27con	HGC_27004	OK	31.7597	29.4831	-0.10731	0.6852
MRPS27	HGC_27con	HGC_27004	OK	75.8022	70.3693	-0.107294	0.6745
TSC22D3	HGC_27con	HGC_27004	OK	34.0207	31.5824	-0.107288	0.6912
SETD6	HGC_27con	HGC_27004	OK	5.1282	4.76075	-0.107264	0.936
GPX1	HGC_27con	HGC_27004	OK	130.518	121.167	-0.107254	0.6968
FTL	HGC_27con	HGC_27004	OK	814.347	756.067	-0.10713	0.6775
ZFPL1	HGC_27con	HGC_27004	OK	29.4476	27.3409	-0.107092	0.7285
NHLRC1	HGC_27con	HGC_27004	OK	0.5184	0.48136	-0.106959	0.8862
LINC01189	HGC_27con	HGC_27004	OK	0.35692	0.33142	-0.106933	0.9164
GSTM2	HGC_27con	HGC_27004	OK	11.9298	11.078	-0.106871	0.7766
GMEB2	HGC_27con	HGC_27004	OK	8.16962	7.58648	-0.106838	0.7281
ZC3H4	HGC_27con	HGC_27004	OK	6.30727	5.8571	-0.106829	0.7184
DBI	HGC_27con	HGC_27004	OK	95.3968	88.5903	-0.106792	0.7122
TPP1	HGC_27con	HGC_27004	OK	31.9316	29.6559	-0.106663	0.6961
MYO18A	HGC_27con	HGC_27004	OK	4.03779	3.75008	-0.106644	0.718
DND1	HGC_27con	HGC_27004	OK	8.66796	8.05058	-0.1066	0.8529
TMEM116	HGC_27con	HGC_27004	OK	6.01485	5.58667	-0.106541	0.8079
IPO13	HGC_27con	HGC_27004	OK	11.3835	10.5731	-0.106535	0.7173
TMEM229B	HGC_27con	HGC_27004	NOTEST	0.02804	0.02605	-0.106372	1
B2M	HGC_27con	HGC_27004	OK	346.366	321.748	-0.106362	0.6783
CCR7	HGC_27con	HGC_27004	NOTEST	0.01893	0.01759	-0.106326	1
PFKL	HGC_27con	HGC_27004	OK	51.1811	47.5456	-0.106299	0.6796
LOC645166	HGC_27con	HGC_27004	OK	9.56121	8.88251	-0.106225	0.898
CBWD6	HGC_27con	HGC_27004	OK	0.82999	0.77108	-0.106218	0.8666
ZNF146	HGC_27con	HGC_27004	OK	52.5239	48.7972	-0.106174	0.6755
MON1A	HGC_27con	HGC_27004	OK	5.0099	4.65464	-0.106112	0.7967
PDCD2L	HGC_27con	HGC_27004	OK	25.5757	23.7624	-0.106094	0.7439
RNF181	HGC_27con	HGC_27004	OK	89.2225	82.8986	-0.10606	0.7107
MIAT	HGC_27con	HGC_27004	NOTEST	0.03715	0.03452	-0.106058	1
INADL	HGC_27con	HGC_27004	OK	3.7473	3.4818	-0.106021	0.7167
P4HB	HGC_27con	HGC_27004	OK	280.329	260.487	-0.105908	0.6797
GPAA1	HGC_27con	HGC_27004	OK	57.0003	52.9658	-0.105907	0.6994
HDGFRP2	HGC_27con	HGC_27004	OK	34.476	32.0371	-0.105849	0.6925
DAAM1	HGC_27con	HGC_27004	OK	4.56572	4.24273	-0.105849	0.7268
MAGEA11	HGC_27con	HGC_27004	OK	15.8595	14.7379	-0.105816	0.7179
SELO	HGC_27con	HGC_27004	OK	18.2079	16.9207	-0.105777	0.7351

DCAF8	HGC_27con	HGC_27004	OK	19.8613	18.4577	-0.105737	0.7088
RPS4X	HGC_27con	HGC_27004	OK	2044.91	1900.41	-0.105731	0.6887
SWI5	HGC_27con	HGC_27004	OK	22.7578	21.1497	-0.105726	0.7596
SIGLEC10	HGC_27con	HGC_27004	NOTEST	0.06844	0.0636	-0.105702	1
ATP6V1B1	HGC_27con	HGC_27004	OK	1.08155	1.00531	-0.105456	0.8696
BMPR1A	HGC_27con	HGC_27004	OK	15.5813	14.4831	-0.105441	0.7107
COPG1	HGC_27con	HGC_27004	OK	56.4258	52.4493	-0.105432	0.6816
ZNF385C	HGC_27con	HGC_27004	NOTEST	0.28806	0.26776	-0.105417	1
C19orf43	HGC_27con	HGC_27004	OK	200.85	186.704	-0.105373	0.6857
GPR182	HGC_27con	HGC_27004	NOTEST	0.03583	0.03331	-0.10529	1
LOC100507437	HGC_27con	HGC_27004	OK	2.50845	2.33201	-0.105221	0.8419
CTBP1-AS	HGC_27con	HGC_27004	OK	0.54069	0.50267	-0.105213	0.9517
SNHG8	HGC_27con	HGC_27004	OK	198.543	184.6	-0.105045	0.7248
DHRS7B	HGC_27con	HGC_27004	OK	6.39522	5.94658	-0.104934	0.7749
APBA2	HGC_27con	HGC_27004	OK	8.88824	8.2648	-0.104918	0.7221
OARD1	HGC_27con	HGC_27004	OK	18.805	17.4874	-0.104796	0.7463
RALB	HGC_27con	HGC_27004	OK	18.34	17.0552	-0.104783	0.715
KIAA0895L	HGC_27con	HGC_27004	OK	7.2771	6.76746	-0.104748	0.8021
TIMM13	HGC_27con	HGC_27004	OK	51.3832	47.7885	-0.104632	0.7068
GTF2H4	HGC_27con	HGC_27004	OK	23.0908	21.4764	-0.10457	0.7351
RBMX2	HGC_27con	HGC_27004	OK	15.9621	14.8462	-0.104561	0.7259
ZNF551	HGC_27con	HGC_27004	OK	1.84212	1.71339	-0.104515	0.803
HIGD2A	HGC_27con	HGC_27004	OK	318.366	296.13	-0.104459	0.7005
TRAF3IP2	HGC_27con	HGC_27004	OK	3.06754	2.8534	-0.1044	0.901
CPS1	HGC_27con	HGC_27004	OK	5.3471	4.97479	-0.10412	0.7286
MEF2C	HGC_27con	HGC_27004	NOTEST	0.05162	0.04803	-0.104092	1
NDUFS3	HGC_27con	HGC_27004	OK	83.9676	78.1237	-0.104073	0.7689
CXorf23	HGC_27con	HGC_27004	OK	0.8103	0.75395	-0.103988	0.8158
ZNF251	HGC_27con	HGC_27004	OK	1.82834	1.7012	-0.103982	0.8237
TNFRSF12A	HGC_27con	HGC_27004	OK	7.08468	6.59249	-0.10388	0.837
ATXN7L1	HGC_27con	HGC_27004	OK	2.21994	2.06579	-0.103828	0.8233
FANCF	HGC_27con	HGC_27004	OK	7.48309	6.96352	-0.103818	0.7557
AQP7P1	HGC_27con	HGC_27004	NOTEST	0.02705	0.02517	-0.103802	1
GRHPR	HGC_27con	HGC_27004	OK	58.7557	54.6778	-0.103775	0.7063
PLSCR3	HGC_27con	HGC_27004	OK	5.13389	4.77793	-0.103666	0.8653
PRMT7	HGC_27con	HGC_27004	OK	11.8192	11.0001	-0.103617	0.7369
DOCK3	HGC_27con	HGC_27004	OK	2.3197	2.15925	-0.103404	0.7535
ZDHHC11	HGC_27con	HGC_27004	OK	2.63282	2.45072	-0.103404	0.8107
CCDC113	HGC_27con	HGC_27004	OK	1.12593	1.04808	-0.103361	0.8222
BRK1	HGC_27con	HGC_27004	OK	107.912	100.456	-0.103292	0.6992
SNAP29	HGC_27con	HGC_27004	OK	7.70471	7.1724	-0.103286	0.742
FGF8	HGC_27con	HGC_27004	NOTEST	0.18713	0.17421	-0.103252	1
NOL8	HGC_27con	HGC_27004	OK	11.7594	10.9484	-0.103099	0.8142
SDC2	HGC_27con	HGC_27004	OK	33.3464	31.0466	-0.103097	0.6975
RPL6	HGC_27con	HGC_27004	OK	929.227	865.143	-0.103093	0.6788
PSMG2	HGC_27con	HGC_27004	OK	62.5233	58.212	-0.103078	0.7484
MRPL27	HGC_27con	HGC_27004	OK	37.2364	34.6693	-0.103054	0.7469
ARHGAP10	HGC_27con	HGC_27004	OK	5.76962	5.37188	-0.10305	0.746
RNF11	HGC_27con	HGC_27004	OK	17.1342	15.9532	-0.103031	0.7178
LINC00665	HGC_27con	HGC_27004	OK	26.189	24.3842	-0.103013	0.7467
TPD52L2	HGC_27con	HGC_27004	OK	33.9356	31.5973	-0.102997	0.7084
GDPD1	HGC_27con	HGC_27004	OK	2.4223	2.25544	-0.10297	0.8322
RNF41	HGC_27con	HGC_27004	OK	26.6501	24.8155	-0.102897	0.7034
CDK7	HGC_27con	HGC_27004	OK	17.9257	16.6924	-0.102836	0.7424

RNU11	HGC_27con	HGC_27004	OK	4.17914	3.89163	-0.102831	0.4043
TCEA2	HGC_27con	HGC_27004	OK	21.8491	20.3468	-0.102771	0.7374
NFYC	HGC_27con	HGC_27004	OK	37.4615	34.8864	-0.102741	0.7214
CBR4	HGC_27con	HGC_27004	OK	11.4606	10.673	-0.102719	0.7291
UBAP2	HGC_27con	HGC_27004	OK	12.8785	11.9941	-0.102633	0.7286
CASKIN1	HGC_27con	HGC_27004	OK	10.0229	9.33473	-0.10262	0.8532
MYLPF	HGC_27con	HGC_27004	NOTEST	0.05567	0.05185	-0.102517	1
EXD3	HGC_27con	HGC_27004	OK	6.59648	6.14404	-0.102509	0.8208
DNAJC14	HGC_27con	HGC_27004	OK	15.712	14.6347	-0.10247	0.783
UBOX5-AS1	HGC_27con	HGC_27004	NOTEST	0.04922	0.04585	-0.102455	1
GBF1	HGC_27con	HGC_27004	OK	31.0526	28.9242	-0.102435	0.6912
UROC1	HGC_27con	HGC_27004	NOTEST	0.01065	0.00992	-0.102327	1
SLC2A8	HGC_27con	HGC_27004	OK	13.3914	12.4754	-0.102224	0.7628
CES2	HGC_27con	HGC_27004	OK	9.21666	8.58665	-0.102149	0.7258
KCCAT333	HGC_27con	HGC_27004	OK	1.50737	1.40436	-0.102121	0.866
LOC100130950	HGC_27con	HGC_27004	OK	0.56653	0.52783	-0.102071	0.8949
DSCR10	HGC_27con	HGC_27004	NOTEST	0.04332	0.04037	-0.101992	1
RARG	HGC_27con	HGC_27004	OK	72.4571	67.5121	-0.10198	0.6956
ACSS1	HGC_27con	HGC_27004	OK	1.03366	0.96314	-0.101947	0.8452
RPH3AL	HGC_27con	HGC_27004	OK	2.67432	2.49187	-0.101946	0.8634
LHX9	HGC_27con	HGC_27004	OK	99.5817	92.7936	-0.101855	0.6922
SCD5	HGC_27con	HGC_27004	OK	8.09395	7.54223	-0.101852	0.7558
TNFRSF1A	HGC_27con	HGC_27004	OK	30.9352	28.8279	-0.101782	0.7227
TANGO2	HGC_27con	HGC_27004	OK	7.58994	7.07313	-0.10174	0.7779
PDE5A	HGC_27con	HGC_27004	OK	7.00341	6.52655	-0.101737	0.7277
PTGES2	HGC_27con	HGC_27004	OK	33.9379	31.629	-0.10165	0.7265
PNPLA8	HGC_27con	HGC_27004	OK	5.55562	5.17776	-0.101619	0.7443
SNCA	HGC_27con	HGC_27004	OK	7.2714	6.7769	-0.101606	0.7502
PPP1R10	HGC_27con	HGC_27004	OK	14.8999	13.8871	-0.101558	0.6994
NUDT13	HGC_27con	HGC_27004	OK	2.4812	2.31266	-0.101483	0.824
SCAF11	HGC_27con	HGC_27004	OK	13.5252	12.6074	-0.101375	0.703
GLIDR	HGC_27con	HGC_27004	OK	9.99309	9.31549	-0.101298	0.8129
DDOST	HGC_27con	HGC_27004	OK	110.542	103.053	-0.10121	0.7087
WWP2	HGC_27con	HGC_27004	OK	10.8179	10.0851	-0.101198	0.73
TTLL9	HGC_27con	HGC_27004	NOTEST	0.05497	0.05124	-0.101165	1
LOC100129518	HGC_27con	HGC_27004	OK	0.52696	0.49128	-0.101142	0.9258
TRIM52	HGC_27con	HGC_27004	OK	7.4387	6.93513	-0.101127	0.7726
ATG4B	HGC_27con	HGC_27004	OK	16.6242	15.4994	-0.10107	0.7255
ZNF180	HGC_27con	HGC_27004	OK	1.19972	1.11856	-0.101062	0.8205
FAM227B	HGC_27con	HGC_27004	OK	0.85242	0.79487	-0.100852	0.9406
ZNF302	HGC_27con	HGC_27004	OK	13.5995	12.6819	-0.100779	0.7344
ERICH4	HGC_27con	HGC_27004	NOTEST	0.02864	0.02671	-0.100763	1
RBM5	HGC_27con	HGC_27004	OK	17.8062	16.605	-0.10076	0.7134
LOC101928303	HGC_27con	HGC_27004	NOTEST	0.05693	0.0531	-0.100727	1
KIAA0753	HGC_27con	HGC_27004	OK	2.83737	2.64611	-0.100682	0.8218
EIF2AK1	HGC_27con	HGC_27004	OK	88.951	82.9554	-0.100674	0.7406
CLK1	HGC_27con	HGC_27004	OK	16.3903	15.2856	-0.100668	0.7355
NDST2	HGC_27con	HGC_27004	OK	7.45987	6.9573	-0.100623	0.7473
WHAMM	HGC_27con	HGC_27004	OK	2.99178	2.79026	-0.100605	0.7909
GMIP	HGC_27con	HGC_27004	OK	4.08867	3.81362	-0.100469	0.7808
AKAP8L	HGC_27con	HGC_27004	OK	22.1944	20.7019	-0.100439	0.7122
FAM157B	HGC_27con	HGC_27004	NOTEST	0.16274	0.1518	-0.100408	1
FOXP3	HGC_27con	HGC_27004	NOTEST	0.18993	0.17716	-0.100397	1
NRP1	HGC_27con	HGC_27004	OK	4.10685	3.8312	-0.100238	0.7826

ATRAID	HGC_27con	HGC_27004	OK	140.173	130.765	-0.100235	0.7693
TTC5	HGC_27con	HGC_27004	OK	4.95114	4.61885	-0.100228	0.7997
TTC14	HGC_27con	HGC_27004	OK	6.94205	6.47619	-0.100216	0.753
TRABD2B	HGC_27con	HGC_27004	OK	0.52197	0.48695	-0.100199	0.8455
TRMT12	HGC_27con	HGC_27004	OK	14.579	13.6009	-0.100191	0.7407
LOC100289580	HGC_27con	HGC_27004	OK	1.98566	1.85248	-0.100156	0.9633
HOXD8	HGC_27con	HGC_27004	OK	7.27261	6.78496	-0.100132	0.7929
AEBP1	HGC_27con	HGC_27004	OK	20.211	18.8561	-0.100113	0.7009
HOXA13	HGC_27con	HGC_27004	OK	58.8906	54.9435	-0.10009	0.7099
SSPO	HGC_27con	HGC_27004	OK	8.30191	7.74553	-0.100079	0.709
EXT2	HGC_27con	HGC_27004	OK	17.305	16.1461	-0.100008	0.7104
SHPK	HGC_27con	HGC_27004	OK	4.06194	3.79028	-0.0998659	0.7874
HCG26	HGC_27con	HGC_27004	NOTEST	0.02282	0.0213	-0.0997166	1
SLC6A12	HGC_27con	HGC_27004	NOTEST	0.01188	0.01109	-0.0996762	1
RPL37A	HGC_27con	HGC_27004	OK	3200.21	2986.62	-0.0996541	0.699
MPHOSPH9	HGC_27con	HGC_27004	OK	4.13133	3.85576	-0.0995886	0.7589
ZSWIM6	HGC_27con	HGC_27004	OK	3.34338	3.1204	-0.0995776	0.7733
NPTXR	HGC_27con	HGC_27004	OK	5.83838	5.44909	-0.0995526	0.7446
IMMP1L	HGC_27con	HGC_27004	OK	12.4113	11.5847	-0.0994259	0.8768
NPAT	HGC_27con	HGC_27004	OK	3.54334	3.3075	-0.0993692	0.7587
DDB1	HGC_27con	HGC_27004	OK	66.3215	61.9085	-0.0993387	0.7425
FBXL12	HGC_27con	HGC_27004	OK	29.55	27.5844	-0.0993082	0.7332
C11orf42	HGC_27con	HGC_27004	NOTEST	0.08154	0.07611	-0.099265	1
HIST1H2BF	HGC_27con	HGC_27004	NOTEST	0.17674	0.16499	-0.0992539	1
MRPL28	HGC_27con	HGC_27004	OK	56.1314	52.4006	-0.0992246	0.7197
SNORA55	HGC_27con	HGC_27004	OK	8.4785	7.9152	-0.0991847	0.7989
SESN1	HGC_27con	HGC_27004	OK	1.85324	1.73026	-0.0990608	0.8365
TSPEAR-AS1	HGC_27con	HGC_27004	OK	0.38086	0.35562	-0.0989583	0.9263
USF2	HGC_27con	HGC_27004	OK	59.1529	55.2342	-0.098887	0.7099
PIEZO1	HGC_27con	HGC_27004	OK	36.2337	33.835	-0.0988125	0.7146
LINC00649	HGC_27con	HGC_27004	OK	4.37383	4.08442	-0.098764	0.8028
CHEK2	HGC_27con	HGC_27004	OK	9.59394	8.95925	-0.0987456	0.7653
RUNX3	HGC_27con	HGC_27004	OK	6.23298	5.82085	-0.0986928	0.7577
RNF165	HGC_27con	HGC_27004	OK	0.92023	0.85943	-0.0986072	0.8583
CTSL	HGC_27con	HGC_27004	OK	21.6204	20.1928	-0.0985501	0.7404
PRKXP1	HGC_27con	HGC_27004	OK	0.5758	0.53783	-0.0983993	0.8256
MLXIPL	HGC_27con	HGC_27004	OK	1.00913	0.94263	-0.0983528	0.8667
ENSA	HGC_27con	HGC_27004	OK	82.5533	77.1137	-0.0983394	0.7212
LOC440461	HGC_27con	HGC_27004	NOTEST	0.03261	0.03046	-0.0983235	1
USP21	HGC_27con	HGC_27004	OK	21.5483	20.1288	-0.0983067	0.734
DECR1	HGC_27con	HGC_27004	OK	60.5635	56.5742	-0.0983022	0.7261
LOC284009	HGC_27con	HGC_27004	NOTEST	0.14948	0.13963	-0.0982956	1
DYSF	HGC_27con	HGC_27004	NOTEST	0.02307	0.02155	-0.0982717	1
RPL23AP82	HGC_27con	HGC_27004	OK	4.88353	4.56233	-0.0981552	0.8612
L3MBTL2	HGC_27con	HGC_27004	OK	12.076	11.2818	-0.0981443	0.7425
ABHD12	HGC_27con	HGC_27004	OK	25.3614	23.6942	-0.0981044	0.8257
LOC101929147	HGC_27con	HGC_27004	OK	7.85951	7.34345	-0.0979806	0.8617
GRAMD1A	HGC_27con	HGC_27004	OK	49.4704	46.2231	-0.0979525	0.7038
SYS1	HGC_27con	HGC_27004	OK	11.5343	10.7775	-0.0979098	0.8201
C11orf98	HGC_27con	HGC_27004	OK	51.0754	47.7272	-0.0978181	0.8057
KMT2B	HGC_27con	HGC_27004	OK	13.2429	12.3748	-0.0978165	0.7152
MIR3911	HGC_27con	HGC_27004	OK	4.63511	4.3318	-0.0976393	0.6654
GNA12	HGC_27con	HGC_27004	OK	19.6654	18.3788	-0.0976145	0.7202
SCAMP4	HGC_27con	HGC_27004	OK	37.7013	35.2366	-0.0975394	0.7403

LINC00504	HGC_27con	HGC_27004	OK	12.2142	11.4158	-0.0975317	0.7213
AFMID	HGC_27con	HGC_27004	OK	9.41987	8.8049	-0.0974	0.7963
AGGF1	HGC_27con	HGC_27004	OK	7.41153	6.92795	-0.0973438	0.7377
GAS7	HGC_27con	HGC_27004	OK	0.55655	0.52024	-0.0973218	0.8464
TNFRSF10B	HGC_27con	HGC_27004	OK	25.9221	24.2331	-0.0972079	0.7371
FADD	HGC_27con	HGC_27004	OK	13.3851	12.5131	-0.0971823	0.7649
ZNF10	HGC_27con	HGC_27004	OK	1.14558	1.07095	-0.0971756	0.8414
GTF2F2	HGC_27con	HGC_27004	OK	27.6184	25.8195	-0.0971704	0.7407
NRN1	HGC_27con	HGC_27004	OK	33.5019	31.3227	-0.0970346	0.7362
SNHG20	HGC_27con	HGC_27004	OK	6.83873	6.39392	-0.0970284	0.8968
MLLT10P1	HGC_27con	HGC_27004	OK	2.82119	2.63774	-0.0970008	0.8867
C10orf2	HGC_27con	HGC_27004	OK	10.6345	9.94367	-0.0969022	0.7489
RPS27A	HGC_27con	HGC_27004	OK	1565.8	1464.14	-0.0968488	0.7098
GPR45	HGC_27con	HGC_27004	NOTEST	0.06359	0.05946	-0.0968225	1
ADRM1	HGC_27con	HGC_27004	OK	56.6077	52.9423	-0.0965772	0.7254
MSANTD2	HGC_27con	HGC_27004	OK	5.22161	4.8836	-0.0965493	0.7985
TPR	HGC_27con	HGC_27004	OK	14.4189	13.4865	-0.0964481	0.7243
CITED2	HGC_27con	HGC_27004	OK	13.4365	12.5676	-0.0964458	0.7622
PLD1	HGC_27con	HGC_27004	OK	3.82076	3.57372	-0.0964313	0.7563
CCDC28A	HGC_27con	HGC_27004	OK	3.33522	3.1197	-0.0963754	0.8464
RMND5A	HGC_27con	HGC_27004	OK	36.4839	34.1275	-0.0963223	0.7855
SSR2	HGC_27con	HGC_27004	OK	440.961	412.488	-0.0962991	0.7066
LCA10	HGC_27con	HGC_27004	NOTEST	0.03231	0.03023	-0.0962721	1
AFAP1	HGC_27con	HGC_27004	OK	4.27343	3.9977	-0.0962224	0.7525
ADAMTS1	HGC_27con	HGC_27004	OK	6.72762	6.29361	-0.0962079	0.7442
VPS36	HGC_27con	HGC_27004	OK	17.9094	16.7541	-0.0962026	0.7185
SEMA5A	HGC_27con	HGC_27004	OK	2.77693	2.5978	-0.0962007	0.7472
NDUFA4	HGC_27con	HGC_27004	OK	100.216	93.7554	-0.0961461	0.711
HNRNPUL1	HGC_27con	HGC_27004	OK	48.5233	45.3965	-0.0960956	0.7145
AIFM2	HGC_27con	HGC_27004	OK	0.93307	0.87296	-0.0960741	0.87
BECN1	HGC_27con	HGC_27004	OK	15.7393	14.7258	-0.0960219	0.7441
ILF3-AS1	HGC_27con	HGC_27004	OK	10.6378	9.95312	-0.0959736	0.7726
C6orf89	HGC_27con	HGC_27004	OK	10.6777	9.99442	-0.0954019	0.7878
SERINC5	HGC_27con	HGC_27004	OK	9.00928	8.43281	-0.095398	0.7293
LURAP1	HGC_27con	HGC_27004	OK	0.69174	0.64749	-0.0953715	0.9601
PRR15	HGC_27con	HGC_27004	NOTEST	0.20056	0.18774	-0.0953281	1
UVSSA	HGC_27con	HGC_27004	OK	3.41993	3.20131	-0.0953046	0.7889
TAF15	HGC_27con	HGC_27004	OK	49.1467	46.0052	-0.0952982	0.71
ZNF598	HGC_27con	HGC_27004	OK	25.8045	24.1572	-0.0951645	0.7279
GPR89A	HGC_27con	HGC_27004	OK	1.00153	0.93761	-0.0951601	0.9563
GEMIN6	HGC_27con	HGC_27004	OK	20.9212	19.5869	-0.0950734	0.7807
RHOT1	HGC_27con	HGC_27004	OK	17.3864	16.2783	-0.0950142	0.7415
CNOT4	HGC_27con	HGC_27004	OK	7.03292	6.58503	-0.0949331	0.7694
SLC1A5	HGC_27con	HGC_27004	OK	136.536	127.848	-0.0948497	0.7165
HADHA	HGC_27con	HGC_27004	OK	62.1191	58.1676	-0.0948231	0.7097
IFITM4P	HGC_27con	HGC_27004	OK	0.3881	0.36343	-0.094762	0.4043
SHMT1	HGC_27con	HGC_27004	OK	18.2321	17.0737	-0.0947041	0.8096
MAPRE3	HGC_27con	HGC_27004	OK	2.80077	2.62285	-0.0946873	0.8389
MAP4K5	HGC_27con	HGC_27004	OK	17.3204	16.2202	-0.0946853	0.732
UFC1	HGC_27con	HGC_27004	OK	62.5556	58.5821	-0.0946787	0.7392
GTSF1	HGC_27con	HGC_27004	OK	72.4603	67.8624	-0.0945791	0.8359
KCND3	HGC_27con	HGC_27004	NOTEST	0.03012	0.02821	-0.0945614	1
RNASEH2C	HGC_27con	HGC_27004	OK	21.6423	20.27	-0.0945061	0.7731
SARS2	HGC_27con	HGC_27004	OK	11.9668	11.2086	-0.0944286	0.8261

HDAC1	HGC_27con	HGC_27004	OK	37.772	35.3791	-0.0944184	0.7304
CDK5RAP1	HGC_27con	HGC_27004	OK	17.6966	16.5758	-0.0943944	0.7478
CFAP57	HGC_27con	HGC_27004	NOTEST	0.04503	0.04218	-0.0943582	1
TAF4	HGC_27con	HGC_27004	OK	6.28745	5.88942	-0.0943492	0.7686
PWWP2B	HGC_27con	HGC_27004	OK	6.94858	6.50871	-0.0943466	0.792
IGFBP3	HGC_27con	HGC_27004	OK	46.9612	43.9917	-0.0942377	0.7241
DUS1L	HGC_27con	HGC_27004	OK	36.5464	34.2358	-0.0942259	0.7367
CRYBB2P1	HGC_27con	HGC_27004	OK	4.19552	3.93041	-0.0941692	0.8195
BAG3	HGC_27con	HGC_27004	OK	4.43637	4.15612	-0.0941454	0.8069
INTU	HGC_27con	HGC_27004	OK	1.72039	1.61174	-0.0941177	0.8369
HERC2P2	HGC_27con	HGC_27004	OK	2.48675	2.32972	-0.0941051	0.7884
SMARCD3	HGC_27con	HGC_27004	OK	43.3787	40.6398	-0.094094	0.7368
MFI2-AS1	HGC_27con	HGC_27004	OK	5.03178	4.71448	-0.0939703	0.9387
ADAMTSL1	HGC_27con	HGC_27004	OK	4.04956	3.79427	-0.0939409	0.8162
BSG	HGC_27con	HGC_27004	OK	565	529.387	-0.0939283	0.7124
CSNK1D	HGC_27con	HGC_27004	OK	31.9022	29.8923	-0.0938825	0.7229
C12orf57	HGC_27con	HGC_27004	OK	167.356	156.814	-0.0938685	0.7292
DDX5	HGC_27con	HGC_27004	OK	141.161	132.287	-0.0936719	0.7107
TH2LCRR	HGC_27con	HGC_27004	OK	17.0653	15.9933	-0.093601	0.9422
LOC642361	HGC_27con	HGC_27004	OK	2.62944	2.46432	-0.0935644	0.9084
SLC39A13	HGC_27con	HGC_27004	OK	10.608	9.9428	-0.0934249	0.7775
C15orf38-AP3S2	HGC_27con	HGC_27004	OK	4.6229	4.33305	-0.0934144	0.8412
RPS29	HGC_27con	HGC_27004	OK	4291.74	4022.9	-0.0933285	0.7201
ATP5G2	HGC_27con	HGC_27004	OK	727.069	681.528	-0.0933201	0.7124
CXADR	HGC_27con	HGC_27004	OK	17.349	16.2635	-0.0932179	0.7541
CFLAR	HGC_27con	HGC_27004	OK	4.02849	3.77645	-0.0932064	0.836
MRPL33	HGC_27con	HGC_27004	OK	43.374	40.6608	-0.0931921	0.7918
INE1	HGC_27con	HGC_27004	OK	1.05051	0.98483	-0.0931437	0.8765
KCNRG	HGC_27con	HGC_27004	NOTEST	0.09124	0.08554	-0.0930851	1
SUPT5H	HGC_27con	HGC_27004	OK	16.5016	15.4708	-0.0930522	0.7283
EXO5	HGC_27con	HGC_27004	OK	5.04596	4.73081	-0.0930412	0.7949
DNAJC11	HGC_27con	HGC_27004	OK	21.4394	20.1028	-0.0928729	0.74
FAM13A-AS1	HGC_27con	HGC_27004	NOTEST	0.14143	0.13261	-0.0928548	1
LRRN4CL	HGC_27con	HGC_27004	OK	1.17496	1.10177	-0.0927831	0.8776
PABPC4	HGC_27con	HGC_27004	OK	121.706	114.135	-0.0926533	0.723
C17orf67	HGC_27con	HGC_27004	OK	1.20717	1.13211	-0.0926113	0.8784
FAM174A	HGC_27con	HGC_27004	OK	6.03394	5.65975	-0.0923628	0.84
RANBP3	HGC_27con	HGC_27004	OK	21.1512	19.8401	-0.0923199	0.762
SLC7A11	HGC_27con	HGC_27004	OK	30.27	28.3947	-0.0922681	0.7271
ATG7	HGC_27con	HGC_27004	OK	2.81551	2.64126	-0.092167	0.8809
NCLN	HGC_27con	HGC_27004	OK	34.4879	32.3549	-0.0921039	0.736
APP	HGC_27con	HGC_27004	OK	163.911	153.783	-0.0920102	0.7114
SLC18B1	HGC_27con	HGC_27004	OK	12.1245	11.3755	-0.0919939	0.7714
TEAD2	HGC_27con	HGC_27004	OK	17.0678	16.0139	-0.0919542	0.7603
TMEM185A	HGC_27con	HGC_27004	OK	5.47367	5.13568	-0.0919517	0.8297
CBX7	HGC_27con	HGC_27004	OK	1.47005	1.37941	-0.0918159	0.8475
TCAF1	HGC_27con	HGC_27004	OK	10.4378	9.79508	-0.0916877	0.7399
SIPA1L3	HGC_27con	HGC_27004	OK	2.10901	1.97915	-0.0916873	0.7919
ZNF584	HGC_27con	HGC_27004	OK	4.5791	4.29727	-0.0916445	0.813
PMS2P3	HGC_27con	HGC_27004	OK	2.79534	2.62333	-0.0916273	0.8551
ANKMY1	HGC_27con	HGC_27004	OK	4.21262	3.95359	-0.0915548	0.8213
STK35	HGC_27con	HGC_27004	OK	5.19649	4.87716	-0.091497	0.7685
PHLDB3	HGC_27con	HGC_27004	OK	1.7995	1.68896	-0.0914574	0.8555
PIGO	HGC_27con	HGC_27004	OK	18.6373	17.4934	-0.0913784	0.7497

LACTB	HGC_27con	HGC_27004	OK	4.67958	4.39262	-0.0912949	0.8127
MRPL40	HGC_27con	HGC_27004	OK	51.8078	48.6322	-0.091259	0.7592
NFE2	HGC_27con	HGC_27004	OK	3.25033	3.05125	-0.0911873	0.858
CNPY2	HGC_27con	HGC_27004	OK	66.1241	62.0799	-0.0910504	0.8312
ZNF41	HGC_27con	HGC_27004	OK	1.63749	1.53734	-0.0910445	0.8357
CRTC1	HGC_27con	HGC_27004	OK	9.80177	9.20253	-0.0910105	0.7432
DIAPH3-AS1	HGC_27con	HGC_27004	OK	4.40779	4.13836	-0.090998	0.9545
TBRG1	HGC_27con	HGC_27004	OK	8.80238	8.2654	-0.0908086	0.7984
NANOS1	HGC_27con	HGC_27004	OK	1.68952	1.58648	-0.0907903	0.8396
M1AP	HGC_27con	HGC_27004	NOTEST	0.05448	0.05115	-0.0907837	1
SEC14L4	HGC_27con	HGC_27004	NOTEST	0.04263	0.04004	-0.0907417	1
THAP8	HGC_27con	HGC_27004	OK	5.94359	5.58136	-0.090718	0.8375
ERAP2	HGC_27con	HGC_27004	OK	3.53509	3.32027	-0.0904456	0.7807
LOC100294362	HGC_27con	HGC_27004	OK	1.1506	1.08071	-0.0904064	0.9599
TOR1B	HGC_27con	HGC_27004	OK	11.304	10.6186	-0.0902403	0.7698
TMEM60	HGC_27con	HGC_27004	OK	30.2575	28.4236	-0.0902009	0.7905
BPIFB4	HGC_27con	HGC_27004	NOTEST	0.03354	0.03151	-0.0901858	1
NSUN3	HGC_27con	HGC_27004	OK	3.72454	3.49908	-0.0900862	0.8706
MME	HGC_27con	HGC_27004	OK	2.55649	2.40195	-0.0899559	0.7915
NOTCH1	HGC_27con	HGC_27004	OK	7.19597	6.76106	-0.0899397	0.7507
B9D2	HGC_27con	HGC_27004	OK	4.36291	4.09993	-0.0896912	0.8802
MAGI2	HGC_27con	HGC_27004	OK	3.9382	3.70086	-0.0896767	0.87
SMOX	HGC_27con	HGC_27004	OK	6.12423	5.75532	-0.0896318	0.8081
USP8	HGC_27con	HGC_27004	OK	6.73051	6.32509	-0.0896306	0.7596
ZNF44	HGC_27con	HGC_27004	OK	1.79947	1.6911	-0.089611	0.8434
P2RX1	HGC_27con	HGC_27004	NOTEST	0.01359	0.01278	-0.0895902	1
CERCAM	HGC_27con	HGC_27004	OK	22.1233	20.7917	-0.0895572	0.9269
NUBP1	HGC_27con	HGC_27004	OK	9.689	9.106	-0.0895295	0.8038
MRPL57	HGC_27con	HGC_27004	OK	12.9864	12.2053	-0.0894888	0.8149
MLLT6	HGC_27con	HGC_27004	OK	19.1625	18.0102	-0.0894742	0.7391
UTP14A	HGC_27con	HGC_27004	OK	15.088	14.1821	-0.0893257	0.7439
ZCWPW1	HGC_27con	HGC_27004	OK	0.50398	0.47374	-0.0892598	0.9153
TEX19	HGC_27con	HGC_27004	OK	0.70852	0.66603	-0.0892348	0.894
WBSCR16	HGC_27con	HGC_27004	OK	30.2907	28.4739	-0.0892338	0.7443
MRPL43	HGC_27con	HGC_27004	OK	82.7329	77.7743	-0.0891664	0.7557
PITX2	HGC_27con	HGC_27004	OK	21.4273	20.1435	-0.0891349	0.76
RNMT	HGC_27con	HGC_27004	OK	8.6417	8.12499	-0.0889503	0.7461
RPS13	HGC_27con	HGC_27004	OK	2407.1	2263.2	-0.088931	0.7262
SEPHS2	HGC_27con	HGC_27004	OK	48.7439	45.8303	-0.0889208	0.7422
PRPF6	HGC_27con	HGC_27004	OK	25.415	23.8959	-0.0889142	0.7356
RHPN1	HGC_27con	HGC_27004	OK	3.20414	3.01286	-0.088806	0.8259
GGACT	HGC_27con	HGC_27004	OK	8.90691	8.37581	-0.0886965	0.8298
ATM	HGC_27con	HGC_27004	OK	8.58603	8.07446	-0.0886251	0.7414
NARFL	HGC_27con	HGC_27004	OK	10.967	10.3139	-0.0885822	0.7877
PARN	HGC_27con	HGC_27004	OK	13.9364	13.107	-0.0885252	0.762
KPNA6	HGC_27con	HGC_27004	OK	8.74332	8.22308	-0.0885018	0.7476
LSM1	HGC_27con	HGC_27004	OK	31.7216	29.8346	-0.08848	0.8329
ENOX2	HGC_27con	HGC_27004	OK	4.41357	4.15103	-0.0884775	0.7855
HERC2P9	HGC_27con	HGC_27004	OK	2.57533	2.42218	-0.0884488	0.8334
CLP1	HGC_27con	HGC_27004	OK	11.3854	10.7085	-0.0884286	0.7907
ANKRD20A5P	HGC_27con	HGC_27004	NOTEST	0.2436	0.22912	-0.0884038	1
ITGAV	HGC_27con	HGC_27004	OK	22.776	21.4224	-0.0883938	0.7372
NELFCD	HGC_27con	HGC_27004	OK	58.017	54.5693	-0.0883855	0.7359
ESF1	HGC_27con	HGC_27004	OK	6.16888	5.8023	-0.0883849	0.7691

RYR3	HGC_27con	HGC_27004	NOTEST	0.0524	0.04928	-0.0883771	1
MRPS12	HGC_27con	HGC_27004	OK	42.7103	40.1733	-0.0883472	0.8221
RMND5B	HGC_27con	HGC_27004	OK	25.6518	24.1281	-0.0883437	0.7587
SMIM12	HGC_27con	HGC_27004	OK	6.54923	6.16024	-0.0883391	0.7604
R3HCC1	HGC_27con	HGC_27004	OK	15.4907	14.5717	-0.0882319	0.774
PIK3R4	HGC_27con	HGC_27004	OK	4.47441	4.20898	-0.0882267	0.7843
DEAF1	HGC_27con	HGC_27004	OK	19.3324	18.1863	-0.0881692	0.7832
DOPEY1	HGC_27con	HGC_27004	OK	0.66187	0.62274	-0.0879282	0.9282
ABCF3	HGC_27con	HGC_27004	OK	11.5732	10.8889	-0.087928	0.7689
CACTIN	HGC_27con	HGC_27004	OK	12.0615	11.3494	-0.0877987	0.7675
ZFAND3	HGC_27con	HGC_27004	OK	29.926	28.1599	-0.0877575	0.743
SH3GLB2	HGC_27con	HGC_27004	OK	28.6764	26.9845	-0.0877352	0.7531
LRG1	HGC_27con	HGC_27004	NOTEST	0.07084	0.06666	-0.0876867	1
DNAJB12	HGC_27con	HGC_27004	OK	10.7638	10.1295	-0.0876176	0.7639
TMEM63B	HGC_27con	HGC_27004	OK	11.5415	10.8616	-0.0876039	0.7741
ELL3	HGC_27con	HGC_27004	OK	2.28077	2.14641	-0.0875923	0.7519
ATRN	HGC_27con	HGC_27004	OK	13.4448	12.653	-0.0875682	0.7654
SPATA32	HGC_27con	HGC_27004	NOTEST	0.05308	0.04996	-0.0875673	1
TERF1	HGC_27con	HGC_27004	OK	10.6078	9.98325	-0.0875418	0.7617
RPP21	HGC_27con	HGC_27004	OK	80.3891	75.6578	-0.0875118	0.8961
C10orf76	HGC_27con	HGC_27004	OK	14.0263	13.2009	-0.0874926	0.7642
RPL15	HGC_27con	HGC_27004	OK	889.303	836.998	-0.0874511	0.7326
ITGAL	HGC_27con	HGC_27004	NOTEST	0.00637	0.00599	-0.0873595	1
LOC440446	HGC_27con	HGC_27004	NOTEST	0.25368	0.23879	-0.0872874	1
PLCL2	HGC_27con	HGC_27004	OK	3.3002	3.1065	-0.0872659	0.798
SGOL1-AS1	HGC_27con	HGC_27004	OK	4.38578	4.12852	-0.0872096	0.9261
HRAT92	HGC_27con	HGC_27004	OK	1.8747	1.76486	-0.0871087	0.8557
KCNC3	HGC_27con	HGC_27004	OK	1.97595	1.86017	-0.0871081	0.8578
ATF7	HGC_27con	HGC_27004	OK	17.0858	16.0857	-0.0870171	0.8653
MIR762HG	HGC_27con	HGC_27004	OK	4.32816	4.07487	-0.0869998	0.9302
SRCIN1	HGC_27con	HGC_27004	OK	2.54075	2.39225	-0.0868881	0.8018
EDC4	HGC_27con	HGC_27004	OK	16.9799	15.9879	-0.0868429	0.7625
SETDB1	HGC_27con	HGC_27004	OK	13.0285	12.269	-0.0866636	0.7771
METRNL	HGC_27con	HGC_27004	OK	41.043	38.6518	-0.0866011	0.763
EID1	HGC_27con	HGC_27004	OK	56.6488	53.3489	-0.086586	0.7441
SNORA44	HGC_27con	HGC_27004	OK	24.7116	23.2736	-0.0864929	0.7795
MRPL4	HGC_27con	HGC_27004	OK	117.589	110.75	-0.0864548	0.7415
PHF14	HGC_27con	HGC_27004	OK	30.6629	28.8804	-0.0864002	0.7621
OSGEPL1	HGC_27con	HGC_27004	OK	7.32385	6.89825	-0.0863715	0.8017
RFX2	HGC_27con	HGC_27004	OK	2.05581	1.93635	-0.0863658	0.8427
DPP3	HGC_27con	HGC_27004	OK	23.8006	22.4191	-0.0862707	0.767
OSGEP	HGC_27con	HGC_27004	OK	13.017	12.2615	-0.0862577	0.7974
GDE1	HGC_27con	HGC_27004	OK	24.7534	23.3178	-0.0861958	0.7587
SMIM11	HGC_27con	HGC_27004	OK	12.2132	11.5052	-0.0861536	0.8147
UBE2G2	HGC_27con	HGC_27004	OK	22.0647	20.7859	-0.0861361	0.7505
POLR1D	HGC_27con	HGC_27004	OK	98.7008	92.9818	-0.0861122	0.7642
HINFP	HGC_27con	HGC_27004	OK	7.70063	7.25615	-0.0857711	0.801
TMEM248	HGC_27con	HGC_27004	OK	27.4387	25.8552	-0.0857555	0.7518
NDRG3	HGC_27con	HGC_27004	OK	18.1936	17.1443	-0.0856971	0.7668
PFKM	HGC_27con	HGC_27004	OK	67.5093	63.6177	-0.0856573	0.7547
ETV4	HGC_27con	HGC_27004	NOTEST	0.04559	0.04296	-0.0855811	1
SEC23IP	HGC_27con	HGC_27004	OK	4.60747	4.34211	-0.0855796	0.7782
FAM45B	HGC_27con	HGC_27004	OK	3.34189	3.14947	-0.0855576	0.8503
CLN6	HGC_27con	HGC_27004	OK	57.4492	54.142	-0.0855382	0.7537

LZTR1	HGC_27con	HGC_27004	OK	12.6754	11.9464	-0.0854615	0.7664
RNF183	HGC_27con	HGC_27004	NOTEST	0.03975	0.03747	-0.0854552	1
DNAJA2	HGC_27con	HGC_27004	OK	17.9089	16.8803	-0.0853361	0.7598
EIF4A3	HGC_27con	HGC_27004	OK	45.7872	43.1576	-0.0853275	0.7535
PHYH	HGC_27con	HGC_27004	OK	29.461	27.7694	-0.0853112	0.7673
PDIA4	HGC_27con	HGC_27004	OK	208.348	196.388	-0.0852889	0.7399
RABEP2	HGC_27con	HGC_27004	OK	7.33692	6.91579	-0.0852806	0.8205
RPS15A	HGC_27con	HGC_27004	OK	2614.3	2464.34	-0.0852233	0.7322
DNTTIP2	HGC_27con	HGC_27004	OK	11.2085	10.5658	-0.0851893	0.7658
ANAPC10	HGC_27con	HGC_27004	OK	6.2527	5.89486	-0.0850224	0.9461
STAC2	HGC_27con	HGC_27004	OK	5.85461	5.51991	-0.0849289	0.7977
EMC10	HGC_27con	HGC_27004	OK	13.9196	13.1249	-0.0848145	0.7907
ADAM10	HGC_27con	HGC_27004	OK	14.6894	13.8513	-0.0847485	0.7488
ISY1	HGC_27con	HGC_27004	OK	4.26517	4.02205	-0.0846713	0.8256
LOC100630923	HGC_27con	HGC_27004	OK	1.09334	1.03105	-0.0846319	0.9103
SP140L	HGC_27con	HGC_27004	OK	3.99578	3.76816	-0.0846161	0.8072
COMMD7	HGC_27con	HGC_27004	OK	7.50817	7.08058	-0.0845948	0.8152
ACAD9	HGC_27con	HGC_27004	OK	9.75319	9.199	-0.0843972	0.7873
APTR	HGC_27con	HGC_27004	OK	8.93356	8.42604	-0.0843792	0.8793
UBXN8	HGC_27con	HGC_27004	OK	9.27483	8.74795	-0.0843761	0.8027
C5orf66	HGC_27con	HGC_27004	OK	2.4438	2.30499	-0.0843673	0.9688
RECQL5	HGC_27con	HGC_27004	OK	5.66074	5.33955	-0.0842711	0.8594
SLC13A3	HGC_27con	HGC_27004	OK	0.37982	0.35828	-0.084242	0.9478
FUNDC2	HGC_27con	HGC_27004	OK	12.9151	12.1829	-0.0842001	0.7805
KANSL1-AS1	HGC_27con	HGC_27004	OK	1.03089	0.97245	-0.0841956	0.7702
TOR1A	HGC_27con	HGC_27004	OK	14.5694	13.7438	-0.0841606	0.7846
ISG20L2	HGC_27con	HGC_27004	OK	13.8588	13.0736	-0.0841469	0.7743
ATP11A	HGC_27con	HGC_27004	OK	4.29749	4.05408	-0.0841203	0.7701
ANKRD20A9P	HGC_27con	HGC_27004	OK	0.64406	0.60759	-0.0840896	0.7939
MOGS	HGC_27con	HGC_27004	OK	44.1646	41.6682	-0.0839428	0.7474
THG1L	HGC_27con	HGC_27004	OK	15.6047	14.7231	-0.0839021	0.7994
C6orf136	HGC_27con	HGC_27004	OK	12.7825	12.0603	-0.0838969	0.908
TMPPE	HGC_27con	HGC_27004	OK	0.59295	0.55946	-0.0838689	0.9541
CACNG6	HGC_27con	HGC_27004	NOTEST	0.06674	0.06298	-0.083848	1
FBXL15	HGC_27con	HGC_27004	OK	11.2472	10.6121	-0.0838479	0.8111
PALLD	HGC_27con	HGC_27004	OK	9.0766	8.56415	-0.0838413	0.7812
MKRN3	HGC_27con	HGC_27004	OK	2.44026	2.30265	-0.0837422	0.8473
LRRC41	HGC_27con	HGC_27004	OK	34.7472	32.7909	-0.0836039	0.7769
CPEB4	HGC_27con	HGC_27004	OK	2.33658	2.20509	-0.0835627	0.8262
MTERF4	HGC_27con	HGC_27004	OK	10.5505	9.95684	-0.0835568	0.8079
G6PC3	HGC_27con	HGC_27004	OK	56.9424	53.7504	-0.0832271	0.7728
PHYHD1	HGC_27con	HGC_27004	OK	0.51451	0.48567	-0.0832234	0.9134
SMDT1	HGC_27con	HGC_27004	OK	31.5526	29.7849	-0.0831785	0.7847
FDX1	HGC_27con	HGC_27004	OK	8.37661	7.90782	-0.0830875	0.7977
FBRSL1	HGC_27con	HGC_27004	OK	10.7555	10.1541	-0.08301	0.7847
ZNF599	HGC_27con	HGC_27004	OK	1.02446	0.96718	-0.083005	0.8811
HCN3	HGC_27con	HGC_27004	OK	2.2613	2.13503	-0.0828932	0.8626
OFD1	HGC_27con	HGC_27004	OK	3.12451	2.95022	-0.0828105	0.8222
ZNF407	HGC_27con	HGC_27004	OK	1.18587	1.11972	-0.0828023	0.827
BRCC3	HGC_27con	HGC_27004	OK	7.42577	7.01197	-0.0827223	0.7915
CORO1B	HGC_27con	HGC_27004	OK	67.336	63.5857	-0.0826754	0.7549
ZNF408	HGC_27con	HGC_27004	OK	7.16622	6.76715	-0.082663	0.8211
DDX17	HGC_27con	HGC_27004	OK	103.959	98.1697	-0.0826618	0.7466
LY6G5B	HGC_27con	HGC_27004	OK	6.51162	6.14925	-0.0826044	0.8865

NDVIP2	HGC_27con	HGC_27004	OK	6.32989	5.97814	-0.0824834	0.7952
C10orf105	HGC_27con	HGC_27004	NOTEST	0.0311	0.02937	-0.0824593	1
MED24	HGC_27con	HGC_27004	OK	26.6359	25.1575	-0.0823815	0.7664
C15orf62	HGC_27con	HGC_27004	OK	0.83233	0.7862	-0.0822544	0.9456
EIF3L	HGC_27con	HGC_27004	OK	284.265	268.514	-0.0822401	0.7478
CECR7	HGC_27con	HGC_27004	OK	4.40981	4.16546	-0.0822394	0.8242
BCKDK	HGC_27con	HGC_27004	OK	53.2351	50.286	-0.0822212	0.7603
ZNF226	HGC_27con	HGC_27004	OK	3.76947	3.5607	-0.0821983	0.8665
BAGE3	HGC_27con	HGC_27004	OK	3.08702	2.91631	-0.0820736	0.8689
PRDM15	HGC_27con	HGC_27004	OK	2.0491	1.93579	-0.0820693	0.8219
TCEB2	HGC_27con	HGC_27004	OK	169.779	160.394	-0.0820391	0.7733
CA7	HGC_27con	HGC_27004	NOTEST	0.30588	0.28897	-0.0820185	1
TMEM37	HGC_27con	HGC_27004	OK	4.36957	4.12814	-0.0819988	0.862
KIAA0930	HGC_27con	HGC_27004	OK	5.01591	4.73926	-0.0818514	0.7833
POU2F2	HGC_27con	HGC_27004	NOTEST	0.00395	0.00373	-0.0818023	1
C11orf95	HGC_27con	HGC_27004	OK	8.36309	7.90224	-0.0817741	0.7774
RNF25	HGC_27con	HGC_27004	OK	12.7548	12.0521	-0.0817509	0.8543
USP30-AS1	HGC_27con	HGC_27004	NOTEST	0.0394	0.03723	-0.0816815	1
NR2F6	HGC_27con	HGC_27004	OK	88.3152	83.4651	-0.0814874	0.7622
ZNF346	HGC_27con	HGC_27004	OK	7.37455	6.96969	-0.0814599	0.7898
RPL24	HGC_27con	HGC_27004	OK	1637.05	1547.18	-0.081456	0.7512
HIBADH	HGC_27con	HGC_27004	OK	43.9773	41.5662	-0.0813466	0.7674
RBM4	HGC_27con	HGC_27004	OK	36.8422	34.8224	-0.0813448	0.8661
AFTPH	HGC_27con	HGC_27004	OK	7.94452	7.50967	-0.0812118	0.7842
NOP10	HGC_27con	HGC_27004	OK	146.207	138.205	-0.0812051	0.7845
TMEM106B	HGC_27con	HGC_27004	OK	20.3554	19.2427	-0.0811024	0.7595
OR51B5	HGC_27con	HGC_27004	NOTEST	0.19277	0.18223	-0.0810945	1
CCNYL2	HGC_27con	HGC_27004	OK	0.61722	0.58349	-0.0810581	0.8947
MYL3	HGC_27con	HGC_27004	NOTEST	0.03982	0.03765	-0.081017	1
IKZF4	HGC_27con	HGC_27004	OK	2.36975	2.24035	-0.081011	0.8276
DCDC2B	HGC_27con	HGC_27004	NOTEST	0.25377	0.23992	-0.0810049	1
TRMU	HGC_27con	HGC_27004	OK	7.11739	6.72884	-0.0809913	0.8215
TBC1D3P2	HGC_27con	HGC_27004	NOTEST	0.01662	0.01572	-0.0809045	1
AMOTL1	HGC_27con	HGC_27004	OK	5.75565	5.44183	-0.0808869	0.7747
ANO8	HGC_27con	HGC_27004	OK	11.2017	10.5912	-0.0808531	0.8445
ASCC2	HGC_27con	HGC_27004	OK	20.868	19.7326	-0.0807135	0.7717
PTCD2	HGC_27con	HGC_27004	OK	11.6265	10.9941	-0.0806875	0.8018
AGPAT2	HGC_27con	HGC_27004	OK	32.8179	31.0358	-0.0805474	0.7872
ZNF564	HGC_27con	HGC_27004	OK	2.42972	2.29787	-0.0804916	0.8412
KMT2E	HGC_27con	HGC_27004	OK	7.79866	7.37599	-0.0803892	0.7698
KIF24	HGC_27con	HGC_27004	OK	2.12794	2.01263	-0.0803765	0.8809
TMEM69	HGC_27con	HGC_27004	OK	35.8462	33.9038	-0.0803753	0.8045
TNFSF4	HGC_27con	HGC_27004	NOTEST	0.12563	0.11884	-0.0802428	1
DUSP23	HGC_27con	HGC_27004	OK	12.5069	11.8303	-0.0802383	0.8718
EIF5B	HGC_27con	HGC_27004	OK	13.2109	12.4967	-0.0801767	0.7621
RPL35A	HGC_27con	HGC_27004	OK	1493.57	1412.83	-0.0801747	0.7522
CARKD	HGC_27con	HGC_27004	OK	10.4288	9.86531	-0.0801375	0.8023
ATP2C2	HGC_27con	HGC_27004	NOTEST	0.05892	0.05574	-0.0801354	1
RBM18	HGC_27con	HGC_27004	OK	9.89233	9.35785	-0.0801341	0.8528
BEST4	HGC_27con	HGC_27004	NOTEST	0.02027	0.01917	-0.0800997	1
ZNF287	HGC_27con	HGC_27004	OK	1.39869	1.32318	-0.0800693	0.8605
ARL15	HGC_27con	HGC_27004	OK	4.43996	4.20037	-0.0800298	0.8412
MBD3	HGC_27con	HGC_27004	OK	88.6473	83.8711	-0.0799028	0.7644
SENP8	HGC_27con	HGC_27004	OK	3.54301	3.35214	-0.0798967	0.92

SPOP	HGC_27con	HGC_27004	OK	24.1796	22.8772	-0.0798784	0.7801
FXYD7	HGC_27con	HGC_27004	OK	2.0258	1.91671	-0.0798609	0.9139
CFL1	HGC_27con	HGC_27004	OK	305.698	289.246	-0.0798123	0.7569
LOC100506548	HGC_27con	HGC_27004	OK	16.7805	15.8776	-0.0797933	0.7745
SCAF1	HGC_27con	HGC_27004	OK	10.9348	10.3465	-0.0797811	0.7887
MAGEA6	HGC_27con	HGC_27004	OK	30.1598	28.5377	-0.0797585	0.7738
POGZ	HGC_27con	HGC_27004	OK	25.225	23.8687	-0.079734	0.7564
PCGF3	HGC_27con	HGC_27004	OK	11.0132	10.4211	-0.0797197	0.7843
TMEM11	HGC_27con	HGC_27004	OK	13.9318	13.183	-0.0797048	0.8142
SLC25A28	HGC_27con	HGC_27004	OK	21.3922	20.2453	-0.0794983	0.7951
DYNLL2	HGC_27con	HGC_27004	OK	29.4781	27.8985	-0.0794562	0.7886
RPS24	HGC_27con	HGC_27004	OK	1956.8	1852.02	-0.0794031	0.7638
TBCEL	HGC_27con	HGC_27004	OK	4.81143	4.55383	-0.0793853	0.8085
TMED9	HGC_27con	HGC_27004	OK	93.734	88.7187	-0.0793339	0.7648
MPI	HGC_27con	HGC_27004	OK	11.2764	10.6739	-0.0792288	0.7876
FLJ42102	HGC_27con	HGC_27004	NOTEST	0.29732	0.28143	-0.0792262	1
C19orf71	HGC_27con	HGC_27004	OK	8.29917	7.85597	-0.0791784	0.8906
OGFRL1	HGC_27con	HGC_27004	OK	17.9714	17.0121	-0.0791495	0.7911
HIST2H2BE	HGC_27con	HGC_27004	OK	1.763	1.66889	-0.0791426	0.8943
ISOC2	HGC_27con	HGC_27004	OK	71.3144	67.5109	-0.0790717	0.7774
TUBGCP6	HGC_27con	HGC_27004	OK	5.32666	5.0429	-0.0789788	0.7954
ACOX1	HGC_27con	HGC_27004	OK	5.19338	4.91687	-0.0789351	0.8356
FITM2	HGC_27con	HGC_27004	OK	4.22142	3.9967	-0.0789196	0.8926
FBXO3	HGC_27con	HGC_27004	OK	10.5272	9.96776	-0.078785	0.8068
REV3L	HGC_27con	HGC_27004	OK	4.23333	4.00846	-0.0787477	0.8007
COPE	HGC_27con	HGC_27004	OK	227.975	215.877	-0.0786652	0.7634
SLC9B1	HGC_27con	HGC_27004	OK	2.20334	2.08642	-0.0786614	0.9431
ZWILCH	HGC_27con	HGC_27004	OK	11.8127	11.1864	-0.0785839	0.796
WDR83OS	HGC_27con	HGC_27004	OK	120.94	114.529	-0.078582	0.8345
RHOXF2B	HGC_27con	HGC_27004	NOTEST	0.00376	0.00358	-0.0783293	1
FARS2	HGC_27con	HGC_27004	OK	13.634	12.9143	-0.0782309	0.8028
POU6F1	HGC_27con	HGC_27004	OK	4.92219	4.6624	-0.0782274	0.806
DNAJB5-AS1	HGC_27con	HGC_27004	NOTEST	0.05989	0.05673	-0.078201	1
AMOT	HGC_27con	HGC_27004	OK	9.79896	9.28198	-0.0781957	0.7734
HDHD3	HGC_27con	HGC_27004	OK	10.6258	10.0654	-0.0781753	0.8252
ATP13A1	HGC_27con	HGC_27004	OK	31.7988	30.1222	-0.0781445	0.7683
SLC37A4	HGC_27con	HGC_27004	OK	29.4291	27.8775	-0.0781408	0.7819
USP40	HGC_27con	HGC_27004	OK	8.43353	7.98957	-0.0780188	0.7872
CLN3	HGC_27con	HGC_27004	OK	28.8337	27.3161	-0.078002	0.7887
PRR14	HGC_27con	HGC_27004	OK	21.4235	20.2965	-0.0779638	0.7943
SF3B5	HGC_27con	HGC_27004	OK	86.1409	81.6111	-0.0779325	0.7846
LRRK1	HGC_27con	HGC_27004	OK	2.31015	2.18873	-0.0778941	0.8236
HDLBP	HGC_27con	HGC_27004	OK	66.6772	63.173	-0.0778869	0.801
PDXK	HGC_27con	HGC_27004	OK	14.5469	13.7827	-0.0778509	0.7731
HPN-AS1	HGC_27con	HGC_27004	NOTEST	0.03976	0.03767	-0.0777987	1
MED27	HGC_27con	HGC_27004	OK	20.4103	19.3391	-0.0777801	0.8025
TSEN34	HGC_27con	HGC_27004	OK	21.4351	20.3102	-0.0777728	0.792
KDM8	HGC_27con	HGC_27004	OK	1.05721	1.00176	-0.0777372	0.8923
PITPNM1	HGC_27con	HGC_27004	OK	15.8475	15.0167	-0.0776854	0.7785
ZNF266	HGC_27con	HGC_27004	OK	5.05605	4.79109	-0.077656	0.8025
LNP1	HGC_27con	HGC_27004	OK	0.96528	0.9147	-0.0776475	0.9704
THEM6	HGC_27con	HGC_27004	OK	16.2	15.3518	-0.0775893	0.8067
FAM166A	HGC_27con	HGC_27004	OK	6.34046	6.00874	-0.0775253	0.9536
UPF1	HGC_27con	HGC_27004	OK	27.4438	26.012	-0.0773018	0.7649

ZNF140	HGC_27con	HGC_27004	OK	3.95369	3.74744	-0.0772935	0.8293
TMEM102	HGC_27con	HGC_27004	OK	0.78254	0.74175	-0.0772379	0.9146
ZNF74	HGC_27con	HGC_27004	OK	8.78008	8.3228	-0.077165	0.7997
CNGA4	HGC_27con	HGC_27004	NOTEST	0.04185	0.03967	-0.0771624	1
IRS4	HGC_27con	HGC_27004	NOTEST	0.02455	0.02327	-0.0771459	1
TMEM165	HGC_27con	HGC_27004	OK	40.9027	38.7748	-0.0770758	0.7843
ACTG1P20	HGC_27con	HGC_27004	OK	0.36723	0.34813	-0.0770575	0.9544
MATN2	HGC_27con	HGC_27004	OK	5.60939	5.31801	-0.0769564	0.7997
HARS	HGC_27con	HGC_27004	OK	27.637	26.2021	-0.0769183	0.8236
ZNF674	HGC_27con	HGC_27004	OK	0.49875	0.47287	-0.0768933	0.8946
LINC00506	HGC_27con	HGC_27004	OK	16.7174	15.8504	-0.0768331	0.7857
INO80E	HGC_27con	HGC_27004	OK	33.8945	32.1375	-0.0767931	0.8158
PSCA	HGC_27con	HGC_27004	OK	1.57456	1.49299	-0.0767421	0.9134
WISP2	HGC_27con	HGC_27004	OK	0.5706	0.54106	-0.0766768	0.9336
ENPEP	HGC_27con	HGC_27004	NOTEST	0.1836	0.1741	-0.0766292	1
XXYLT1	HGC_27con	HGC_27004	OK	16.2386	15.3986	-0.0766241	0.7917
PTGDR2	HGC_27con	HGC_27004	OK	1.24817	1.18362	-0.0766096	0.9471
RFX7	HGC_27con	HGC_27004	OK	9.77453	9.26922	-0.0765796	0.7834
EPM2A	HGC_27con	HGC_27004	OK	1.68578	1.59866	-0.0765597	0.9315
GNG11	HGC_27con	HGC_27004	OK	16.1401	15.306	-0.0765523	0.8292
ZNF740	HGC_27con	HGC_27004	OK	11.8733	11.2599	-0.0765205	0.8163
PIGV	HGC_27con	HGC_27004	OK	7.97255	7.56078	-0.0765057	0.8296
LOC101927495	HGC_27con	HGC_27004	NOTEST	0.01404	0.01332	-0.0764804	1
VPS33B	HGC_27con	HGC_27004	OK	5.82741	5.52674	-0.0764269	0.8168
ALOX15	HGC_27con	HGC_27004	NOTEST	0.01381	0.0131	-0.0764257	1
ZFYVE16	HGC_27con	HGC_27004	OK	7.69078	7.294	-0.0764194	0.7827
TMEM19	HGC_27con	HGC_27004	OK	5.50341	5.21949	-0.0764162	0.8102
AKAP9	HGC_27con	HGC_27004	OK	3.9599	3.75572	-0.076375	0.7778
NABP2	HGC_27con	HGC_27004	OK	39.8553	37.8018	-0.0763161	0.7851
RUSC1-AS1	HGC_27con	HGC_27004	OK	17.2539	16.3654	-0.0762706	0.9239
NDUFA11	HGC_27con	HGC_27004	OK	306.082	290.325	-0.0762489	0.7696
ZNF638	HGC_27con	HGC_27004	OK	12.43	11.7907	-0.0761781	0.7739
AARSD1	HGC_27con	HGC_27004	OK	24.4039	23.1491	-0.0761547	0.8029
HABP4	HGC_27con	HGC_27004	OK	12.7901	12.1328	-0.0761205	0.7956
TTC33	HGC_27con	HGC_27004	OK	6.36731	6.04012	-0.0761062	0.7965
TNIP2	HGC_27con	HGC_27004	OK	13.1644	12.4881	-0.0760867	0.8083
WWP1	HGC_27con	HGC_27004	OK	10.98	10.4166	-0.0759934	0.7927
EBNA1BP2	HGC_27con	HGC_27004	OK	57.7545	54.7918	-0.0759728	0.7709
IDS	HGC_27con	HGC_27004	OK	7.17962	6.81191	-0.0758478	0.8406
UBC	HGC_27con	HGC_27004	OK	92.6852	87.9484	-0.0756816	0.7694
C5orf28	HGC_27con	HGC_27004	OK	9.8253	9.32336	-0.0756525	0.8194
TARSL2	HGC_27con	HGC_27004	OK	1.81182	1.71935	-0.0755777	0.863
UBAP2L	HGC_27con	HGC_27004	OK	47.989	45.5414	-0.0755278	0.8555
SOD2	HGC_27con	HGC_27004	OK	19.4364	18.4459	-0.0754656	0.821
ANAPC2	HGC_27con	HGC_27004	OK	14.6304	13.8852	-0.0754202	0.8535
TMEM218	HGC_27con	HGC_27004	OK	4.56684	4.33424	-0.0754152	0.8276
ZNF93	HGC_27con	HGC_27004	OK	0.47682	0.45255	-0.0753406	0.9101
OR3A1	HGC_27con	HGC_27004	NOTEST	0.06661	0.06322	-0.0753165	1
COPA	HGC_27con	HGC_27004	OK	56.8742	53.9815	-0.0753102	0.7871
EIF6	HGC_27con	HGC_27004	OK	96.5259	91.6182	-0.0752823	0.7844
DIRC2	HGC_27con	HGC_27004	OK	2.24036	2.12652	-0.0752384	0.8714
FBN1	HGC_27con	HGC_27004	OK	1.17598	1.11622	-0.0752377	0.8321
WFDC1	HGC_27con	HGC_27004	OK	5.12956	4.86898	-0.0752151	0.8608
HLF	HGC_27con	HGC_27004	OK	6.30669	5.98635	-0.0752072	0.8011

FLAD1	HGC_27con	HGC_27004	OK	30.9638	29.3919	-0.075164	0.7923
ZNF687	HGC_27con	HGC_27004	OK	10.4837	9.95194	-0.0751008	0.8528
OAZ1	HGC_27con	HGC_27004	OK	377.574	358.433	-0.0750563	0.7659
MFSD11	HGC_27con	HGC_27004	OK	25.3217	24.0384	-0.0750318	0.8938
CXorf40A	HGC_27con	HGC_27004	OK	7.06719	6.70915	-0.0750072	0.8362
SMAD1	HGC_27con	HGC_27004	OK	10.3606	9.83591	-0.0749789	0.8217
COMT	HGC_27con	HGC_27004	OK	41.5462	39.4434	-0.0749335	0.8146
NHSL1	HGC_27con	HGC_27004	OK	5.30213	5.03387	-0.0749032	0.8045
PIF1	HGC_27con	HGC_27004	OK	7.40485	7.03029	-0.074886	0.8243
PALM	HGC_27con	HGC_27004	OK	25.7294	24.4281	-0.0748752	0.7875
DOCK5	HGC_27con	HGC_27004	OK	2.84738	2.70343	-0.0748445	0.806
RECQL	HGC_27con	HGC_27004	OK	13.6276	12.9388	-0.0748271	0.8111
SLC25A20	HGC_27con	HGC_27004	OK	3.58878	3.40763	-0.0747239	0.8678
SNRPD2	HGC_27con	HGC_27004	OK	173.582	164.829	-0.0746496	0.7735
PSEN2	HGC_27con	HGC_27004	OK	5.22299	4.95987	-0.0745747	0.8416
NAA38	HGC_27con	HGC_27004	OK	20.2062	19.1885	-0.0745555	0.8564
LRRC73	HGC_27con	HGC_27004	OK	0.94502	0.89743	-0.0745505	0.9155
LOC171391	HGC_27con	HGC_27004	OK	7.11849	6.76013	-0.074521	0.8871
SORBS1	HGC_27con	HGC_27004	NOTEST	0.04462	0.04238	-0.0745145	1
MVK	HGC_27con	HGC_27004	OK	5.76073	5.47075	-0.0745128	0.8467
FAM90A1	HGC_27con	HGC_27004	NOTEST	0.02445	0.02322	-0.0744955	1
TMA7	HGC_27con	HGC_27004	OK	138.52	131.55	-0.0744813	0.7875
IRF2	HGC_27con	HGC_27004	OK	4.54443	4.31578	-0.0744783	0.8445
STAMBPL1	HGC_27con	HGC_27004	OK	5.27063	5.00546	-0.0744731	0.8441
RABGEF1	HGC_27con	HGC_27004	OK	6.01285	5.71054	-0.0744237	0.8434
MVB12B	HGC_27con	HGC_27004	OK	2.45911	2.33548	-0.0744177	0.842
DRP2	HGC_27con	HGC_27004	NOTEST	0.0449	0.04264	-0.0743965	1
ZNF628	HGC_27con	HGC_27004	OK	3.65432	3.47086	-0.0743124	0.8548
LHX4-AS1	HGC_27con	HGC_27004	OK	2.20351	2.09296	-0.0742589	0.888
UTP3	HGC_27con	HGC_27004	OK	11.0081	10.4559	-0.0742469	0.8069
KLHDC10	HGC_27con	HGC_27004	OK	16.4523	15.627	-0.0742426	0.7825
LINC01089	HGC_27con	HGC_27004	OK	4.11182	3.90581	-0.0741568	0.8798
DUSP3	HGC_27con	HGC_27004	OK	12.0843	11.4793	-0.0740874	0.7894
PYGB	HGC_27con	HGC_27004	OK	16.2763	15.4617	-0.0740768	0.8231
TGFB3	HGC_27con	HGC_27004	OK	4.21379	4.00292	-0.0740672	0.8334
FER1L5	HGC_27con	HGC_27004	NOTEST	0.00904	0.00858	-0.0740598	1
DDX42	HGC_27con	HGC_27004	OK	26.7045	25.3687	-0.0740323	0.7715
ASNA1	HGC_27con	HGC_27004	OK	64.2852	61.0729	-0.0739548	0.7854
RPS7	HGC_27con	HGC_27004	OK	1810.72	1720.3	-0.0738976	0.7688
TMCO1	HGC_27con	HGC_27004	OK	12.141	11.5348	-0.0738945	0.7925
CHURC1	HGC_27con	HGC_27004	OK	21.4391	20.3687	-0.0738877	0.8592
PRRT3-AS1	HGC_27con	HGC_27004	OK	2.25681	2.14416	-0.0738676	0.9575
RPL39	HGC_27con	HGC_27004	OK	4197.13	3987.68	-0.0738543	0.7651
ANKRD52	HGC_27con	HGC_27004	OK	12.6538	12.0233	-0.0737387	0.7868
GRB2	HGC_27con	HGC_27004	OK	23.973	22.7792	-0.0736973	0.7868
COMMD9	HGC_27con	HGC_27004	OK	6.47888	6.15625	-0.0736946	0.8267
ARG2	HGC_27con	HGC_27004	OK	16.0392	15.2409	-0.073658	0.8776
OTUD6A	HGC_27con	HGC_27004	NOTEST	0.17503	0.16632	-0.0736371	1
MAPK13	HGC_27con	HGC_27004	OK	0.32394	0.30782	-0.0736142	0.9028
SEPT8	HGC_27con	HGC_27004	OK	13.4845	12.8138	-0.0736051	0.7972
GJA3	HGC_27con	HGC_27004	OK	3.06664	2.91434	-0.073487	0.8398
SWSAP1	HGC_27con	HGC_27004	OK	3.31588	3.1515	-0.073356	0.8826
SOWAHC	HGC_27con	HGC_27004	OK	3.19164	3.03347	-0.0733286	0.8395
PLCXD2	HGC_27con	HGC_27004	NOTEST	0.13479	0.12812	-0.0732949	1

PIIG	HGC_27con	HGC_27004	OK	6.57228	6.24677	-0.0732837	0.8065
STARD10	HGC_27con	HGC_27004	OK	4.80189	4.56417	-0.0732512	0.8579
BRAP	HGC_27con	HGC_27004	OK	4.16249	3.95644	-0.0732441	0.8303
ZNF30	HGC_27con	HGC_27004	OK	2.69777	2.56426	-0.0732237	0.8562
IFT43	HGC_27con	HGC_27004	OK	27.6767	26.3076	-0.0731908	0.8221
DNAJC1	HGC_27con	HGC_27004	OK	21.3351	20.2798	-0.0731861	0.7972
ENTPD7	HGC_27con	HGC_27004	OK	3.87387	3.68226	-0.0731852	0.9115
SLC10A5	HGC_27con	HGC_27004	NOTEST	0.30833	0.29308	-0.0731736	1
HMGCS1	HGC_27con	HGC_27004	OK	31.2574	29.7129	-0.0731055	0.7743
SUGP1	HGC_27con	HGC_27004	OK	10.6951	10.1667	-0.073101	0.8192
METTL25	HGC_27con	HGC_27004	OK	1.55789	1.481	-0.0730218	0.9394
PRKCD	HGC_27con	HGC_27004	OK	5.99794	5.70246	-0.0728843	0.8254
CCDC66	HGC_27con	HGC_27004	OK	2.1467	2.04105	-0.0728137	0.9274
C1orf56	HGC_27con	HGC_27004	OK	5.78125	5.49692	-0.0727582	0.9221
ZFYVE9	HGC_27con	HGC_27004	OK	6.60334	6.27878	-0.0727128	0.8017
LOC101927419	HGC_27con	HGC_27004	NOTEST	0.01599	0.0152	-0.0726142	1
RPAIN	HGC_27con	HGC_27004	OK	18.6336	17.7197	-0.0725561	0.94
SLC25A11	HGC_27con	HGC_27004	OK	26.2291	24.9428	-0.0725431	0.8003
DSG2	HGC_27con	HGC_27004	OK	20.7263	19.7111	-0.0724535	0.7821
ATP5SL	HGC_27con	HGC_27004	OK	26.1136	24.8357	-0.0723876	0.8036
SMIM4	HGC_27con	HGC_27004	OK	20.2271	19.2374	-0.0723779	0.8825
OR3A2	HGC_27con	HGC_27004	NOTEST	0.09173	0.08724	-0.0723708	1
TMEM117	HGC_27con	HGC_27004	OK	6.92549	6.58669	-0.0723627	0.8236
CAMKMT	HGC_27con	HGC_27004	OK	8.79348	8.36336	-0.0723517	0.8384
OTX1	HGC_27con	HGC_27004	OK	6.73317	6.40391	-0.0723317	0.841
MGC34796	HGC_27con	HGC_27004	NOTEST	0.01581	0.01504	-0.0721317	1
SLC25A44	HGC_27con	HGC_27004	OK	8.84526	8.41447	-0.0720332	0.8127
RMRP	HGC_27con	HGC_27004	OK	2.85474	2.71587	-0.0719446	0.8924
OR2H2	HGC_27con	HGC_27004	NOTEST	0.16216	0.15427	-0.0719338	1
XRN2	HGC_27con	HGC_27004	OK	34.0972	32.4408	-0.071844	0.7884
NXN	HGC_27con	HGC_27004	OK	27.7964	26.4463	-0.0718322	0.7927
FAM83H-AS1	HGC_27con	HGC_27004	NOTEST	0.04436	0.04221	-0.0718144	1
RNF19A	HGC_27con	HGC_27004	OK	3.25028	3.09252	-0.0717806	0.832
AP2S1	HGC_27con	HGC_27004	OK	54.2779	51.6479	-0.0716565	0.8046
SOX11	HGC_27con	HGC_27004	OK	1.12985	1.07511	-0.0716411	0.8654
MRPS25	HGC_27con	HGC_27004	OK	16.3132	15.5241	-0.0715311	0.8716
PDLIM5	HGC_27con	HGC_27004	OK	8.01866	7.63091	-0.0715069	0.825
MIPEPP3	HGC_27con	HGC_27004	OK	1.17543	1.11869	-0.0713786	0.9606
KAT8	HGC_27con	HGC_27004	OK	43.0748	40.9959	-0.0713663	0.7931
NEFH	HGC_27con	HGC_27004	NOTEST	0.01046	0.00996	-0.0713361	1
SWT1	HGC_27con	HGC_27004	OK	1.99502	1.89884	-0.0712889	0.915
CHTOP	HGC_27con	HGC_27004	OK	38.7847	36.9155	-0.0712613	0.8269
TMED1	HGC_27con	HGC_27004	OK	25.7272	24.4878	-0.071229	0.805
KLHDC7B	HGC_27con	HGC_27004	OK	5.06892	4.82482	-0.0712023	0.8539
IZUMO1	HGC_27con	HGC_27004	NOTEST	0.14969	0.14249	-0.0711398	1
ESPNL	HGC_27con	HGC_27004	OK	5.79711	5.51855	-0.0710434	0.8334
RHOF	HGC_27con	HGC_27004	OK	12.9416	12.3204	-0.0709621	0.8405
EM183A,TMEM18	HGC_27con	HGC_27004	OK	9.73603	9.26911	-0.0709025	0.8942
LUZP1	HGC_27con	HGC_27004	OK	3.85759	3.67277	-0.0708309	0.8046
ADM2	HGC_27con	HGC_27004	OK	18.5094	17.6228	-0.0708126	0.7939
LINC01420	HGC_27con	HGC_27004	OK	46.1045	43.8962	-0.0708112	0.8338
RRBP1	HGC_27con	HGC_27004	OK	29.7774	28.3523	-0.0707503	0.7845
LOC100133091	HGC_27con	HGC_27004	OK	2.05392	1.95573	-0.0706771	0.9068
CBY1	HGC_27con	HGC_27004	OK	14.83	14.1215	-0.070619	0.8288

GVINP1	HGC_27con	HGC_27004	NOTEST	0.08073	0.07687	-0.0705682	1
RPL36A	HGC_27con	HGC_27004	OK	1035.68	986.254	-0.070552	0.7881
RIMBP3C	HGC_27con	HGC_27004	NOTEST	1.9E-05	1.8E-05	-0.0705491	1
ZNF517	HGC_27con	HGC_27004	OK	2.14194	2.03973	-0.0705419	0.8925
ATG4A	HGC_27con	HGC_27004	OK	3.67277	3.49752	-0.0705341	0.861
ZNF26	HGC_27con	HGC_27004	OK	2.42015	2.30485	-0.0704215	0.8653
HSD17B10	HGC_27con	HGC_27004	OK	109.338	104.135	-0.0703382	0.7947
METTL7A	HGC_27con	HGC_27004	OK	6.65337	6.33692	-0.0703031	0.8296
MCRS1	HGC_27con	HGC_27004	OK	48.93	46.603	-0.0702955	0.8104
SRSF6	HGC_27con	HGC_27004	OK	71.503	68.1027	-0.0702918	0.7832
RNPS1	HGC_27con	HGC_27004	OK	76.5717	72.9372	-0.0701563	0.7888
CHFR	HGC_27con	HGC_27004	OK	8.2612	7.86922	-0.0701307	0.8207
TMEM79	HGC_27con	HGC_27004	OK	7.56739	7.20847	-0.0701028	0.8421
CLEC16A	HGC_27con	HGC_27004	OK	6.17338	5.88067	-0.0700809	0.8184
CTTN	HGC_27con	HGC_27004	OK	27.0831	25.8003	-0.0700096	0.7942
ZC3H12D	HGC_27con	HGC_27004	NOTEST	0.10343	0.09853	-0.0699513	1
ADPGK-AS1	HGC_27con	HGC_27004	OK	0.78066	0.74372	-0.0699392	0.9566
ZNF761	HGC_27con	HGC_27004	OK	2.63877	2.51399	-0.0698866	0.8839
KCNJ4	HGC_27con	HGC_27004	OK	7.09854	6.76305	-0.0698479	0.8519
CLMP	HGC_27con	HGC_27004	OK	6.60408	6.2925	-0.069725	0.832
GOLGA6L2	HGC_27con	HGC_27004	NOTEST	0.00369	0.00352	-0.0697247	1
PCBP3	HGC_27con	HGC_27004	NOTEST	0.01948	0.01856	-0.0696928	1
0132062,LOC1001	HGC_27con	HGC_27004	NOTEST	0.00026	0.00024	-0.0696704	1
ACOT9	HGC_27con	HGC_27004	OK	8.36119	7.96772	-0.0695414	0.836
CORO1C	HGC_27con	HGC_27004	OK	24.8468	23.6783	-0.0694993	0.7954
GLIPR1L2	HGC_27con	HGC_27004	OK	0.46634	0.44443	-0.0694156	0.9337
TGS1	HGC_27con	HGC_27004	OK	8.71697	8.30791	-0.0693411	0.8349
PRDM2	HGC_27con	HGC_27004	OK	3.6817	3.50893	-0.0693407	0.8413
LOX	HGC_27con	HGC_27004	OK	26.0488	24.8267	-0.0693257	0.7972
STK17B	HGC_27con	HGC_27004	OK	4.24682	4.04783	-0.0692343	0.8376
DMTN	HGC_27con	HGC_27004	OK	0.53745	0.5123	-0.0691622	0.9166
MEN1	HGC_27con	HGC_27004	OK	20.8765	19.8997	-0.0691363	0.8065
SDHAF2	HGC_27con	HGC_27004	OK	19.1169	18.2224	-0.0691352	0.8404
CEP250	HGC_27con	HGC_27004	OK	5.06674	4.82984	-0.0690819	0.8043
TRAF3IP1	HGC_27con	HGC_27004	OK	2.93937	2.80224	-0.0689279	0.8412
TM9SF4	HGC_27con	HGC_27004	OK	22.1423	21.1094	-0.0689166	0.7972
NKIRAS2	HGC_27con	HGC_27004	OK	32.3306	30.8236	-0.0688677	0.8842
NUDT16L1	HGC_27con	HGC_27004	OK	18.728	17.8553	-0.0688477	0.8359
RASSF1-AS1	HGC_27con	HGC_27004	OK	0.86042	0.8204	-0.0687187	0.9581
FAM20C	HGC_27con	HGC_27004	OK	16.3008	15.5431	-0.0686689	0.8204
LOC100652758	HGC_27con	HGC_27004	OK	6.16092	5.87455	-0.0686673	0.8846
ZNF384	HGC_27con	HGC_27004	OK	14.646	13.9658	-0.0686034	0.799
SPDYE3	HGC_27con	HGC_27004	NOTEST	0.31698	0.30226	-0.0685781	1
STYX	HGC_27con	HGC_27004	OK	8.60533	8.20591	-0.0685658	0.8146
ZNF28	HGC_27con	HGC_27004	OK	1.53254	1.46147	-0.0685073	0.8713
ABHD11	HGC_27con	HGC_27004	OK	8.20948	7.82894	-0.0684738	0.8613
TIMM17B	HGC_27con	HGC_27004	OK	31.9588	30.4784	-0.0684285	0.8849
LOC100652999	HGC_27con	HGC_27004	OK	5.22135	4.97957	-0.0683994	0.9077
ATF6B	HGC_27con	HGC_27004	OK	20.506	19.5579	-0.0682961	0.7991
C10orf11	HGC_27con	HGC_27004	NOTEST	0.17503	0.16694	-0.0682942	1
AP3B2	HGC_27con	HGC_27004	NOTEST	0.0352	0.03358	-0.0681312	1
ZNF142	HGC_27con	HGC_27004	OK	5.18964	4.9503	-0.0681163	0.8223
SLC5A12	HGC_27con	HGC_27004	OK	2.60479	2.48467	-0.0681134	0.8388
LOC441601	HGC_27con	HGC_27004	OK	14.6397	13.9647	-0.0680997	0.8607

C11orf31	HGC_27con	HGC_27004	OK	47.8306	45.629	-0.0679827	0.9136
LOC102723769	HGC_27con	HGC_27004	OK	2.33433	2.22695	-0.0679392	0.8925
TRIM11	HGC_27con	HGC_27004	OK	17.2124	16.4209	-0.0679161	0.814
CDK2AP2	HGC_27con	HGC_27004	OK	67.5123	64.4082	-0.0679071	0.8116
FAM96B	HGC_27con	HGC_27004	OK	71.2649	67.9916	-0.0678348	0.818
PRR15L	HGC_27con	HGC_27004	NOTEST	0.08321	0.07939	-0.0678287	1
FOXRED1	HGC_27con	HGC_27004	OK	24.7564	23.6213	-0.0677137	0.8102
PCDHGB1	HGC_27con	HGC_27004	OK	2.44113	2.32921	-0.0677119	0.9393
ITGB7	HGC_27con	HGC_27004	OK	0.86635	0.82664	-0.0676926	0.9098
ZNF174	HGC_27con	HGC_27004	OK	7.001	6.6801	-0.067691	0.8653
ORMDL2	HGC_27con	HGC_27004	OK	16.7258	15.9592	-0.067683	0.9103
DICER1	HGC_27con	HGC_27004	OK	6.86752	6.55304	-0.0676241	0.8062
RPL30	HGC_27con	HGC_27004	OK	1106.04	1055.43	-0.0675765	0.7903
POLR2H	HGC_27con	HGC_27004	OK	34.3086	32.7394	-0.0675445	0.819
MAD2L1BP	HGC_27con	HGC_27004	OK	21.8846	20.884	-0.0675137	0.8342
DYRK4	HGC_27con	HGC_27004	OK	17.2857	16.496	-0.0674675	0.8444
PTOV1	HGC_27con	HGC_27004	OK	81.2061	77.4996	-0.0673994	0.8085
PTPN11	HGC_27con	HGC_27004	OK	15.9753	15.2464	-0.0673764	0.7999
PARP1	HGC_27con	HGC_27004	OK	75.4166	71.9879	-0.0671276	0.7919
TAPT1	HGC_27con	HGC_27004	OK	2.70255	2.57975	-0.0670912	0.8637
RPTOR	HGC_27con	HGC_27004	OK	7.30629	6.97439	-0.0670722	0.8157
SRCAP	HGC_27con	HGC_27004	OK	13.3464	12.7401	-0.067071	0.7991
CALU	HGC_27con	HGC_27004	OK	61.7184	58.9148	-0.0670691	0.7903
USP16	HGC_27con	HGC_27004	OK	12.2652	11.7087	-0.0669856	0.813
DMPK	HGC_27con	HGC_27004	OK	7.38867	7.05368	-0.0669397	0.8417
FAM76B	HGC_27con	HGC_27004	OK	4.35095	4.15384	-0.0668841	0.8447
CCDC12	HGC_27con	HGC_27004	OK	12.8633	12.281	-0.0668372	0.9021
TSC2	HGC_27con	HGC_27004	OK	19.0704	18.209	-0.0666846	0.8767
FAM73A	HGC_27con	HGC_27004	OK	3.5144	3.35581	-0.0666159	0.8309
TOB1	HGC_27con	HGC_27004	OK	30.1887	28.8273	-0.0665758	0.8167
UBFD1	HGC_27con	HGC_27004	OK	18.0771	17.262	-0.0665605	0.808
RASSF8	HGC_27con	HGC_27004	OK	11.4912	10.9732	-0.0665428	0.816
STEAP3-AS1	HGC_27con	HGC_27004	OK	0.69274	0.66153	-0.0665088	0.9479
ABHD2	HGC_27con	HGC_27004	OK	4.49473	4.29239	-0.0664525	0.8201
TPBGL	HGC_27con	HGC_27004	OK	0.85833	0.81973	-0.0663833	0.9268
CYB5A	HGC_27con	HGC_27004	OK	26.6366	25.4388	-0.066382	0.8401
ADCK1	HGC_27con	HGC_27004	OK	12.4351	11.876	-0.0663678	0.8349
INPP5K	HGC_27con	HGC_27004	OK	4.1085	3.92382	-0.0663538	0.8601
RPS6KB1	HGC_27con	HGC_27004	OK	7.19538	6.8722	-0.0662976	0.8213
PPIP5K1	HGC_27con	HGC_27004	OK	9.23973	8.82486	-0.066276	0.8989
C3orf18	HGC_27con	HGC_27004	OK	0.40034	0.38237	-0.0662436	0.9558
SHISA5	HGC_27con	HGC_27004	OK	52.5298	50.1737	-0.0662065	0.8104
SENP3	HGC_27con	HGC_27004	OK	16.8177	16.0635	-0.0661908	0.9502
SDR39U1	HGC_27con	HGC_27004	OK	39.5239	37.7522	-0.0661633	0.8866
PPAPDC2	HGC_27con	HGC_27004	OK	6.84233	6.53597	-0.0660877	0.8479
FAM3A	HGC_27con	HGC_27004	OK	23.648	22.5911	-0.0659638	0.8246
MAPK4	HGC_27con	HGC_27004	NOTEST	0.03423	0.0327	-0.06595	1
LOC283922	HGC_27con	HGC_27004	OK	1.24187	1.18645	-0.065871	0.9036
EEF1G	HGC_27con	HGC_27004	OK	1745.67	1667.85	-0.065793	0.7944
TUBD1	HGC_27con	HGC_27004	OK	4.28112	4.09038	-0.0657528	0.8688
MYO1A	HGC_27con	HGC_27004	NOTEST	0.02381	0.02275	-0.0656934	1
NAA10	HGC_27con	HGC_27004	OK	87.3692	83.4834	-0.0656362	0.8066
SCLY	HGC_27con	HGC_27004	OK	17.5375	16.7588	-0.0655261	0.8496
ENDOG	HGC_27con	HGC_27004	OK	19.6089	18.7384	-0.0655169	0.9145

SMCR5	HGC_27con	HGC_27004	NOTEST	0.07327	0.07002	-0.065418	1
SHOC2	HGC_27con	HGC_27004	OK	7.45407	7.12402	-0.0653384	0.8266
MAPK10	HGC_27con	HGC_27004	OK	0.64905	0.62032	-0.0653218	0.9106
RNF207	HGC_27con	HGC_27004	NOTEST	0.21203	0.20264	-0.0653162	1
ZNF416	HGC_27con	HGC_27004	OK	1.34851	1.28884	-0.0652869	0.9028
CASC2	HGC_27con	HGC_27004	NOTEST	0.31742	0.30339	-0.065246	1
LOC440028	HGC_27con	HGC_27004	NOTEST	0.01156	0.01104	-0.0652452	1
NEURL4	HGC_27con	HGC_27004	OK	5.60916	5.3615	-0.0651478	0.8294
SGTA	HGC_27con	HGC_27004	OK	60.6351	57.9591	-0.0651171	0.8068
RIPK1	HGC_27con	HGC_27004	OK	7.69093	7.35157	-0.0651051	0.8295
HEG1	HGC_27con	HGC_27004	OK	1.66113	1.58789	-0.0650573	0.8484
MIXL1	HGC_27con	HGC_27004	NOTEST	0.02319	0.02217	-0.0650442	1
NMNAT1	HGC_27con	HGC_27004	OK	5.50138	5.25891	-0.06503	0.864
ITGA11	HGC_27con	HGC_27004	OK	0.68132	0.65131	-0.0649892	0.9067
SNX3	HGC_27con	HGC_27004	OK	68.1087	65.11	-0.0649598	0.8143
SEMA3F	HGC_27con	HGC_27004	OK	12.8503	12.2846	-0.0649516	0.8265
SPHK1	HGC_27con	HGC_27004	OK	16.5187	15.7915	-0.0649492	0.8332
PPP1R11	HGC_27con	HGC_27004	OK	30.9693	29.608	-0.0648514	0.8167
GPBP1L1	HGC_27con	HGC_27004	OK	16.7601	16.0236	-0.0648261	0.8123
MBD4	HGC_27con	HGC_27004	OK	7.41107	7.08549	-0.064815	0.875
GPRC5A	HGC_27con	HGC_27004	OK	1.27892	1.22275	-0.064798	0.9107
ERCC3	HGC_27con	HGC_27004	OK	16.2698	15.5553	-0.0647864	0.8217
TECPR1	HGC_27con	HGC_27004	OK	4.13926	3.95767	-0.0647223	0.8397
SREK1	HGC_27con	HGC_27004	OK	15.2501	14.5818	-0.0646557	0.8457
LOC101927143	HGC_27con	HGC_27004	NOTEST	0.05047	0.04826	-0.0646194	1
NDUFS6	HGC_27con	HGC_27004	OK	189.106	180.823	-0.064616	0.8137
TYRO3P	HGC_27con	HGC_27004	NOTEST	0.04948	0.04732	-0.0645238	1
SLC44A1	HGC_27con	HGC_27004	OK	42.412	40.5578	-0.064494	0.798
ZNF317	HGC_27con	HGC_27004	OK	15.5873	14.9061	-0.0644688	0.8179
LBX2-AS1	HGC_27con	HGC_27004	OK	2.44839	2.34147	-0.0644181	0.9398
PATZ1	HGC_27con	HGC_27004	OK	19.3333	18.4899	-0.0643453	0.8209
PPP1R26	HGC_27con	HGC_27004	OK	5.81064	5.55735	-0.0643017	0.8388
HSD17B8	HGC_27con	HGC_27004	OK	6.64057	6.35118	-0.0642823	0.8913
SERTAD3	HGC_27con	HGC_27004	OK	11.4579	10.9586	-0.0642764	0.8561
TM9SF1	HGC_27con	HGC_27004	OK	33.0276	31.5898	-0.0642145	0.8109
DCLRE1A	HGC_27con	HGC_27004	OK	4.3801	4.18959	-0.0641558	0.8425
TBCB	HGC_27con	HGC_27004	OK	148.008	141.575	-0.064104	0.8328
MAP4	HGC_27con	HGC_27004	OK	42.9047	41.042	-0.0640357	0.8012
SDF2L1	HGC_27con	HGC_27004	OK	179.313	171.528	-0.0640351	0.8188
LIMK2	HGC_27con	HGC_27004	OK	2.80294	2.68143	-0.0639429	0.8693
FKBP6	HGC_27con	HGC_27004	NOTEST	0.28262	0.2704	-0.0637655	1
LOC101929217	HGC_27con	HGC_27004	NOTEST	0.25174	0.24086	-0.0637507	1
FAM193B	HGC_27con	HGC_27004	OK	9.13079	8.73673	-0.0636449	0.8282
LOC100130744	HGC_27con	HGC_27004	OK	3.82006	3.65534	-0.0635891	0.9284
INTS3	HGC_27con	HGC_27004	OK	26.3321	25.1981	-0.0635087	0.8105
IQSEC1	HGC_27con	HGC_27004	OK	5.0147	4.79875	-0.0635065	0.8348
WDR45B	HGC_27con	HGC_27004	OK	27.7235	26.5307	-0.063444	0.8196
CREM	HGC_27con	HGC_27004	OK	12.4947	11.9576	-0.0633869	0.8593
APOBEC3D	HGC_27con	HGC_27004	OK	0.6652	0.63662	-0.0633513	0.9218
OR6W1P	HGC_27con	HGC_27004	NOTEST	0.03167	0.03031	-0.0631547	1
NDUFS2	HGC_27con	HGC_27004	OK	72.1991	69.1099	-0.0630878	0.8087
PPP2R5D	HGC_27con	HGC_27004	OK	22.7151	21.7439	-0.063041	0.8473
SLC41A3	HGC_27con	HGC_27004	OK	4.57084	4.37567	-0.0629578	0.8805
SF1	HGC_27con	HGC_27004	OK	86.5187	82.8254	-0.0629384	0.8082

CCAR2	HGC_27con	HGC_27004	OK	28.3892	27.179	-0.0628465	0.8226
UBN2	HGC_27con	HGC_27004	OK	2.47266	2.3673	-0.0628213	0.831
MFF	HGC_27con	HGC_27004	OK	29.8075	28.538	-0.0627947	0.8213
LRP3	HGC_27con	HGC_27004	OK	19.0915	18.2793	-0.0627211	0.8243
FAM219B	HGC_27con	HGC_27004	OK	13.1594	12.5996	-0.0627113	0.8295
KIAA1958	HGC_27con	HGC_27004	OK	4.24292	4.06263	-0.0626432	0.839
TRIM8	HGC_27con	HGC_27004	OK	43.1666	41.3342	-0.0625791	0.8161
CAPN10	HGC_27con	HGC_27004	OK	6.91838	6.62483	-0.0625498	0.8497
MORC2-AS1	HGC_27con	HGC_27004	OK	0.95449	0.914	-0.0625438	0.9609
NDUFA10	HGC_27con	HGC_27004	OK	17.5961	16.8499	-0.0625108	0.8154
SCAND2P	HGC_27con	HGC_27004	OK	2.40233	2.30047	-0.0625055	0.9104
CUL5	HGC_27con	HGC_27004	OK	10.3502	9.91131	-0.0625035	0.8118
LOC101929705	HGC_27con	HGC_27004	OK	2.18585	2.09318	-0.0625015	0.9395
TOLLIP	HGC_27con	HGC_27004	OK	9.45526	9.05444	-0.0624916	0.8411
STARD9	HGC_27con	HGC_27004	OK	0.96721	0.92622	-0.0624637	0.8517
ACSF3	HGC_27con	HGC_27004	OK	5.50801	5.27472	-0.0624376	0.8482
GABPA	HGC_27con	HGC_27004	OK	7.22837	6.92235	-0.0624104	0.8736
ACTRT3	HGC_27con	HGC_27004	OK	0.58196	0.55733	-0.0623906	0.9278
LOC389906	HGC_27con	HGC_27004	OK	3.97381	3.80577	-0.0623345	0.8961
LOC100294145	HGC_27con	HGC_27004	OK	6.44288	6.17105	-0.06219	0.8481
TMED7	HGC_27con	HGC_27004	OK	27.4505	26.2937	-0.0621181	0.8323
CLCN2	HGC_27con	HGC_27004	OK	2.07108	1.98381	-0.0621052	0.9129
RPL26	HGC_27con	HGC_27004	OK	2283.52	2187.45	-0.0620083	0.8089
HNF4A	HGC_27con	HGC_27004	NOTEST	0.12301	0.11783	-0.0619957	1
FAM173B	HGC_27con	HGC_27004	OK	6.89371	6.60404	-0.0619328	0.8557
LRRC8B	HGC_27con	HGC_27004	OK	5.43865	5.21021	-0.061907	0.8319
C17orf89	HGC_27con	HGC_27004	OK	69.3782	66.465	-0.0618886	0.8505
BIN3	HGC_27con	HGC_27004	OK	6.66635	6.38648	-0.0618767	0.9399
AHNAK	HGC_27con	HGC_27004	OK	22.1659	21.2354	-0.0618748	0.8084
C1RL-AS1	HGC_27con	HGC_27004	NOTEST	0.02882	0.02761	-0.0618498	1
MED7	HGC_27con	HGC_27004	OK	7.43971	7.12755	-0.0618394	0.8831
BCDIN3D	HGC_27con	HGC_27004	OK	3.90125	3.73768	-0.0617912	0.8729
COX4I1	HGC_27con	HGC_27004	OK	399.593	382.84	-0.0617909	0.8155
SOX4	HGC_27con	HGC_27004	OK	36.5354	35.0041	-0.0617691	0.8162
GNAS-AS1	HGC_27con	HGC_27004	OK	2.48133	2.37747	-0.061685	0.9187
MTRR	HGC_27con	HGC_27004	OK	11.1844	10.7166	-0.0616338	0.8347
CD2BP2	HGC_27con	HGC_27004	OK	17.6833	16.944	-0.0616117	0.824
DDT	HGC_27con	HGC_27004	OK	75.1116	71.9751	-0.0615395	0.8531
SRRM3	HGC_27con	HGC_27004	OK	6.0354	5.7835	-0.0615054	0.8485
LRRC61	HGC_27con	HGC_27004	OK	22.8347	21.8822	-0.0614737	0.8576
KDM2A	HGC_27con	HGC_27004	OK	15.3996	14.7614	-0.0610594	0.8247
MRPL38	HGC_27con	HGC_27004	OK	44.2179	42.3858	-0.0610513	0.8317
AGPAT1	HGC_27con	HGC_27004	OK	51.9612	49.8096	-0.0610092	0.8454
RHCE	HGC_27con	HGC_27004	OK	0.56679	0.54336	-0.0609045	0.9724
ATP6V1A	HGC_27con	HGC_27004	OK	12.581	12.0612	-0.0608734	0.8303
TEFM	HGC_27con	HGC_27004	OK	8.80941	8.44556	-0.0608512	0.8733
LOC442132	HGC_27con	HGC_27004	NOTEST	0.05581	0.0535	-0.0608419	1
POLR2C	HGC_27con	HGC_27004	OK	33.7923	32.399	-0.0607462	0.8514
REREP3	HGC_27con	HGC_27004	NOTEST	0.03743	0.03588	-0.0607407	1
PARS2	HGC_27con	HGC_27004	OK	4.69259	4.49937	-0.06066	0.8772
AHCY	HGC_27con	HGC_27004	OK	189.531	181.733	-0.0606116	0.8079
B4GAT1	HGC_27con	HGC_27004	OK	20.2084	19.3776	-0.0605654	0.8437
ZNF438	HGC_27con	HGC_27004	OK	2.55696	2.45184	-0.0605604	0.8825
N6AMT1	HGC_27con	HGC_27004	OK	4.93521	4.73248	-0.0605157	0.9042

AIFM1	HGC_27con	HGC_27004	OK	37.1795	35.6528	-0.060492	0.8184
SLC22A18	HGC_27con	HGC_27004	OK	49.1956	47.1766	-0.0604601	0.8434
HOTAIR	HGC_27con	HGC_27004	OK	5.09817	4.88912	-0.0604054	0.8814
CASP10	HGC_27con	HGC_27004	OK	1.03704	0.99452	-0.0604027	0.9097
PSMD8	HGC_27con	HGC_27004	OK	66.8243	64.0846	-0.0603954	0.8227
RPL7	HGC_27con	HGC_27004	OK	2073.25	1988.31	-0.0603458	0.8186
EXOSC2	HGC_27con	HGC_27004	OK	17.1473	16.4452	-0.0603087	0.8364
PPM1M	HGC_27con	HGC_27004	OK	9.10313	8.73057	-0.060288	0.8592
LOC100133669	HGC_27con	HGC_27004	OK	1.25527	1.2039	-0.0602836	0.9483
RBM42	HGC_27con	HGC_27004	OK	75.4353	72.3493	-0.060261	0.8227
OMA1	HGC_27con	HGC_27004	OK	6.9602	6.67557	-0.0602385	0.8655
SYAP1	HGC_27con	HGC_27004	OK	6.54725	6.27959	-0.0602185	0.8468
PEX1	HGC_27con	HGC_27004	OK	4.90607	4.70558	-0.0601953	0.8478
PIGP	HGC_27con	HGC_27004	OK	34.1283	32.7341	-0.0601743	0.8589
SNORA45A	HGC_27con	HGC_27004	OK	32.934	31.5888	-0.0601675	0.9221
RAD52	HGC_27con	HGC_27004	OK	6.60088	6.33177	-0.0600499	0.8781
ARHGEF2	HGC_27con	HGC_27004	OK	70.7998	67.9169	-0.059975	0.8091
HIST1H2BM	HGC_27con	HGC_27004	NOTEST	0.13793	0.13231	-0.0599689	1
DDX11	HGC_27con	HGC_27004	OK	7.04329	6.75663	-0.0599475	0.8483
GTF3C1	HGC_27con	HGC_27004	OK	15.2269	14.6072	-0.0599383	0.8153
ACTN1	HGC_27con	HGC_27004	OK	52.6851	50.5446	-0.0598372	0.8152
AAAS	HGC_27con	HGC_27004	OK	62.7719	60.2232	-0.0597995	0.8252
HNRNPA1P10	HGC_27con	HGC_27004	OK	188.348	180.702	-0.0597883	0.9317
NONO	HGC_27con	HGC_27004	OK	266.177	255.378	-0.0597553	0.8579
CHP2	HGC_27con	HGC_27004	NOTEST	0.04461	0.0428	-0.059723	1
HOXA5	HGC_27con	HGC_27004	OK	1.32049	1.26703	-0.0596313	0.9378
ZNF260	HGC_27con	HGC_27004	OK	8.44048	8.09882	-0.0596148	0.829
FECH	HGC_27con	HGC_27004	OK	5.84976	5.61298	-0.0596094	0.8353
ARHGAP24	HGC_27con	HGC_27004	OK	1.31896	1.26562	-0.0595583	0.8925
LRRC4	HGC_27con	HGC_27004	NOTEST	0.05797	0.05563	-0.059547	1
SACM1L	HGC_27con	HGC_27004	OK	10.4483	10.0259	-0.059542	0.8431
TECR	HGC_27con	HGC_27004	OK	242.182	232.393	-0.0595237	0.82
ECHDC1	HGC_27con	HGC_27004	OK	14.5451	13.9574	-0.0595118	0.8419
LOC101927572	HGC_27con	HGC_27004	OK	1.7156	1.64631	-0.0594785	0.9654
ZBTB17	HGC_27con	HGC_27004	OK	6.40295	6.14445	-0.0594522	0.8565
FOXD2-AS1	HGC_27con	HGC_27004	OK	1.56857	1.5053	-0.0593965	0.9225
RUFY1	HGC_27con	HGC_27004	OK	15.3416	14.7233	-0.0593476	0.8409
PIWIL4	HGC_27con	HGC_27004	NOTEST	0.19934	0.19131	-0.0593304	1
MGC57346	HGC_27con	HGC_27004	OK	6.82136	6.547	-0.0592243	0.889
SYCE3	HGC_27con	HGC_27004	NOTEST	0.09171	0.08802	-0.0592242	1
GANAB	HGC_27con	HGC_27004	OK	142.142	136.43	-0.0591651	0.8163
POLR2J4	HGC_27con	HGC_27004	OK	1.58765	1.52388	-0.0591494	0.9064
FAM90A2P	HGC_27con	HGC_27004	NOTEST	0.07284	0.06992	-0.0591407	1
CDKL1	HGC_27con	HGC_27004	OK	7.96437	7.64454	-0.0591298	0.8629
UBAP1	HGC_27con	HGC_27004	OK	10.8101	10.3761	-0.0591067	0.8642
SMURF2	HGC_27con	HGC_27004	OK	8.36873	8.03308	-0.0590554	0.8465
LOC100506844	HGC_27con	HGC_27004	OK	7.81525	7.50208	-0.059001	0.9048
BCR	HGC_27con	HGC_27004	OK	6.34946	6.09529	-0.0589397	0.8412
EIF3I	HGC_27con	HGC_27004	OK	82.1636	78.8751	-0.0589298	0.8218
DEPDC5	HGC_27con	HGC_27004	OK	2.19604	2.10833	-0.0588036	0.8757
STX6	HGC_27con	HGC_27004	OK	7.28357	6.99273	-0.0587901	0.8399
KY	HGC_27con	HGC_27004	NOTEST	0.00579	0.00556	-0.0586992	1
DKFZp686K1684	HGC_27con	HGC_27004	NOTEST	0.07181	0.06895	-0.058683	1
MRPL20	HGC_27con	HGC_27004	OK	101.538	97.4996	-0.0585511	0.8417

ACRV1	HGC_27con	HGC_27004	NOTEST	0.16784	0.16117	-0.0584961	1
LRR75A-AS1	HGC_27con	HGC_27004	OK	1908.26	1832.45	-0.0584881	0.825
SSU72	HGC_27con	HGC_27004	OK	76.281	73.2513	-0.0584697	0.8263
CCDC121	HGC_27con	HGC_27004	OK	1.4855	1.42658	-0.0583837	0.9732
ZNF493	HGC_27con	HGC_27004	OK	2.15771	2.07223	-0.0583193	0.9046
GATA3	HGC_27con	HGC_27004	OK	0.76438	0.7341	-0.0583117	0.9297
THAP11	HGC_27con	HGC_27004	OK	32.0213	30.7537	-0.0582723	0.8995
CCDC82	HGC_27con	HGC_27004	OK	4.69068	4.50506	-0.0582494	0.8667
RHBDD2	HGC_27con	HGC_27004	OK	60.787	58.3818	-0.0582427	0.8254
TMEM208	HGC_27con	HGC_27004	OK	31.4748	30.2309	-0.0581694	0.8646
FAM150B	HGC_27con	HGC_27004	OK	1.02554	0.98503	-0.0581443	0.934
NFKBIA	HGC_27con	HGC_27004	OK	16.9637	16.2937	-0.0581336	0.8584
GAK	HGC_27con	HGC_27004	OK	16.5737	15.9191	-0.0581332	0.8449
ZDHC3	HGC_27con	HGC_27004	OK	2.41789	2.3225	-0.0580729	0.8455
PFDN6	HGC_27con	HGC_27004	OK	48.157	46.2581	-0.058039	0.8505
BROX	HGC_27con	HGC_27004	OK	15.9479	15.3192	-0.0580259	0.8641
NR2C2AP	HGC_27con	HGC_27004	OK	39.9416	38.371	-0.0578732	0.9057
NDUFB1	HGC_27con	HGC_27004	OK	172.529	165.746	-0.0578686	0.8426
RAB1B	HGC_27con	HGC_27004	OK	70.2212	67.4607	-0.0578587	0.8282
PDE8A	HGC_27con	HGC_27004	OK	11.6897	11.2303	-0.0578361	0.8391
SNRNP25	HGC_27con	HGC_27004	OK	16.811	16.1509	-0.057798	0.8604
BCAT2	HGC_27con	HGC_27004	OK	36.4598	35.0318	-0.0576403	0.8448
CEBPZ	HGC_27con	HGC_27004	OK	19.3111	18.5552	-0.0576092	0.8643
IRGQ	HGC_27con	HGC_27004	OK	2.06002	1.97957	-0.0574676	0.8642
C16orf91	HGC_27con	HGC_27004	OK	12.3741	11.8934	-0.0571594	0.8846
CLYBL	HGC_27con	HGC_27004	OK	3.87997	3.72927	-0.0571528	0.9037
ZNF195	HGC_27con	HGC_27004	OK	5.26604	5.06172	-0.0570927	0.8626
SPTAN1	HGC_27con	HGC_27004	OK	25.7686	24.7693	-0.0570589	0.8755
UBL5	HGC_27con	HGC_27004	OK	293.842	282.465	-0.0569702	0.8305
PHKA2-AS1	HGC_27con	HGC_27004	NOTEST	0.10094	0.09703	-0.0568999	1
C19orf44	HGC_27con	HGC_27004	OK	4.05808	3.90176	-0.0566743	0.9432
EXOSC1	HGC_27con	HGC_27004	OK	54.7859	52.6776	-0.0566158	0.8401
SYBU	HGC_27con	HGC_27004	OK	7.32327	7.0415	-0.0566061	0.8632
PITPNC1	HGC_27con	HGC_27004	OK	1.76363	1.69584	-0.0565555	0.8831
LRRFIP1	HGC_27con	HGC_27004	OK	10.4571	10.0555	-0.0564997	0.8463
THAP4	HGC_27con	HGC_27004	OK	32.447	31.2015	-0.05647	0.8612
TCEB3	HGC_27con	HGC_27004	OK	6.62806	6.3741	-0.0563658	0.8596
EAF1	HGC_27con	HGC_27004	OK	10.6636	10.2557	-0.0562595	0.8451
RAB40C	HGC_27con	HGC_27004	OK	8.42198	8.10007	-0.0562243	0.8691
FAM127B	HGC_27con	HGC_27004	OK	75.4662	72.582	-0.0562191	0.8562
TRAF7	HGC_27con	HGC_27004	OK	44.446	42.7501	-0.0561245	0.8456
CLCNKB	HGC_27con	HGC_27004	NOTEST	0.05809	0.05587	-0.0561159	1
RPL11	HGC_27con	HGC_27004	OK	1360.73	1308.98	-0.0559278	0.8219
KCTD5	HGC_27con	HGC_27004	OK	31.2663	30.0796	-0.0558243	0.8358
EXOSC7	HGC_27con	HGC_27004	OK	20.9842	20.188	-0.0558071	0.8548
SETDB2	HGC_27con	HGC_27004	OK	5.42477	5.21933	-0.0556997	0.847
EIF2AK3	HGC_27con	HGC_27004	OK	7.56887	7.28241	-0.0556624	0.8484
ZNF213-AS1	HGC_27con	HGC_27004	OK	2.14912	2.06794	-0.0555503	0.9302
HP09025	HGC_27con	HGC_27004	NOTEST	0.03292	0.03168	-0.0554807	1
PRKD2	HGC_27con	HGC_27004	OK	6.47412	6.22994	-0.0554678	0.8808
NLRC4	HGC_27con	HGC_27004	NOTEST	0.28812	0.27726	-0.0554229	1
RING1	HGC_27con	HGC_27004	OK	26.7927	25.783	-0.055419	0.8507
DCTN3	HGC_27con	HGC_27004	OK	61.3841	59.0728	-0.0553705	0.8516
DNMT3A	HGC_27con	HGC_27004	OK	5.72689	5.51131	-0.0553574	0.8648

HKR1	HGC_27con	HGC_27004	OK	7.67323	7.38438	-0.0553569	0.8549
ATRX	HGC_27con	HGC_27004	OK	13.8048	13.2854	-0.0553322	0.829
HOXB6	HGC_27con	HGC_27004	OK	1.36857	1.31708	-0.0553235	0.9386
GCN1	HGC_27con	HGC_27004	OK	17.9155	17.2419	-0.0552875	0.8303
SLC25A43	HGC_27con	HGC_27004	OK	10.1499	9.76878	-0.055214	0.8674
PDXDC1	HGC_27con	HGC_27004	OK	15.0324	14.4681	-0.0552003	0.8867
GPATCH8	HGC_27con	HGC_27004	OK	8.20685	7.8988	-0.0551954	0.842
SPTBN2	HGC_27con	HGC_27004	OK	9.8697	9.49937	-0.0551752	0.8384
IP6K1	HGC_27con	HGC_27004	OK	10.0476	9.67105	-0.055101	0.8519
GTF3C5	HGC_27con	HGC_27004	OK	25.387	24.4362	-0.0550743	0.838
FRYL	HGC_27con	HGC_27004	OK	3.1458	3.02802	-0.0550508	0.8568
ELL	HGC_27con	HGC_27004	OK	5.53265	5.32572	-0.0549933	0.8694
GHRLOS	HGC_27con	HGC_27004	OK	0.65499	0.63051	-0.0549533	0.9633
NLGN2	HGC_27con	HGC_27004	OK	11.5126	11.0834	-0.054803	0.8507
ARID1A	HGC_27con	HGC_27004	OK	13.2429	12.7497	-0.0547548	0.8393
SLC2A6	HGC_27con	HGC_27004	OK	8.06966	7.76913	-0.0547536	0.8741
HSBP1L1	HGC_27con	HGC_27004	NOTEST	0.26711	0.25718	-0.0546901	1
NKIRAS1	HGC_27con	HGC_27004	OK	4.58294	4.41247	-0.054688	0.8428
MUL1	HGC_27con	HGC_27004	OK	7.60259	7.31983	-0.0546813	0.8697
ZBTB40	HGC_27con	HGC_27004	OK	3.98477	3.83704	-0.0545005	0.8509
SMUG1	HGC_27con	HGC_27004	OK	25.1975	24.2641	-0.0544583	0.8845
NELFB	HGC_27con	HGC_27004	OK	30.9286	29.7837	-0.0544167	0.8432
SLC20A2	HGC_27con	HGC_27004	OK	7.59464	7.31357	-0.0544053	0.8944
POMZP3	HGC_27con	HGC_27004	OK	5.8137	5.59924	-0.0542268	0.9084
SCNM1	HGC_27con	HGC_27004	OK	12.8069	12.3347	-0.0542036	0.8767
LUC7L3	HGC_27con	HGC_27004	OK	43.0414	41.4548	-0.0541867	0.8334
IMP3	HGC_27con	HGC_27004	OK	57.9587	55.8223	-0.0541826	0.8491
LOC642852	HGC_27con	HGC_27004	OK	5.16975	4.97921	-0.0541786	0.8539
PAXBP1	HGC_27con	HGC_27004	OK	10.5591	10.1709	-0.0540408	0.8557
SOBP	HGC_27con	HGC_27004	OK	3.02566	2.91478	-0.053865	0.8745
IL17RA	HGC_27con	HGC_27004	OK	3.27649	3.15649	-0.0538322	0.8615
PCYT1B	HGC_27con	HGC_27004	OK	1.43256	1.3801	-0.0538217	0.894
TTC39C	HGC_27con	HGC_27004	OK	12.4972	12.04	-0.053767	0.899
SEC11A	HGC_27con	HGC_27004	OK	101.73	98.0115	-0.0537254	0.8382
VSTM4	HGC_27con	HGC_27004	NOTEST	0.26161	0.25206	-0.0536624	1
SEPT10	HGC_27con	HGC_27004	OK	38.9107	37.4901	-0.0536577	0.8353
GNB2L1	HGC_27con	HGC_27004	OK	2517.91	2426.12	-0.0535747	0.8356
CNTNAP3	HGC_27con	HGC_27004	OK	2.34018	2.255	-0.0534957	0.8836
NBPF14	HGC_27con	HGC_27004	NOTEST	0.00712	0.00686	-0.0534529	1
TAGAP	HGC_27con	HGC_27004	NOTEST	0.02468	0.02379	-0.0534353	1
UNC119B	HGC_27con	HGC_27004	OK	10.2473	9.87473	-0.0534307	0.8547
ZSCAN22	HGC_27con	HGC_27004	OK	1.40086	1.35001	-0.0533379	0.9065
YY2	HGC_27con	HGC_27004	OK	1.07702	1.03795	-0.0533097	0.9564
PCF11	HGC_27con	HGC_27004	OK	3.6529	3.5208	-0.0531369	0.8653
TSPAN33	HGC_27con	HGC_27004	OK	0.86108	0.82996	-0.0531107	0.9321
COX6B1	HGC_27con	HGC_27004	OK	509.596	491.192	-0.0530673	0.8351
EFCAB2	HGC_27con	HGC_27004	OK	7.86345	7.57979	-0.0530033	0.8934
TGDS	HGC_27con	HGC_27004	OK	12.8145	12.3523	-0.0529911	0.8647
PPP4R3B	HGC_27con	HGC_27004	OK	23.078	22.2468	-0.0529202	0.8386
LOC100134868	HGC_27con	HGC_27004	OK	1.42366	1.3724	-0.052895	0.9305
PTENP1-AS	HGC_27con	HGC_27004	OK	1.11682	1.07669	-0.0527925	0.9609
CCDC33	HGC_27con	HGC_27004	OK	0.42283	0.40764	-0.0527741	0.9386
STARD3NL	HGC_27con	HGC_27004	OK	46.7397	45.0634	-0.0526905	0.8468
RIBC2	HGC_27con	HGC_27004	OK	1.75942	1.69634	-0.0526798	0.9271

RPL4	HGC_27con	HGC_27004	OK	2183.95	2105.65	-0.0526775	0.8414
TATDN2	HGC_27con	HGC_27004	OK	9.47768	9.13821	-0.0526219	0.8539
FAM171A1	HGC_27con	HGC_27004	OK	13.3232	12.8483	-0.0523645	0.8547
STXBP1	HGC_27con	HGC_27004	OK	40.6336	39.1882	-0.0522538	0.8394
ANKRD13A	HGC_27con	HGC_27004	OK	5.84874	5.64154	-0.0520377	0.8764
TSEN54	HGC_27con	HGC_27004	OK	11.6175	11.2061	-0.0520119	0.8735
CDRT4	HGC_27con	HGC_27004	OK	1.07192	1.034	-0.0519532	0.9368
BMS1P20	HGC_27con	HGC_27004	OK	4.82736	4.65663	-0.0519475	0.8922
FSTL3	HGC_27con	HGC_27004	OK	12.3071	11.872	-0.0519265	0.8723
MAPKAP1	HGC_27con	HGC_27004	OK	27.2533	26.2898	-0.0519243	0.8562
ISCU	HGC_27con	HGC_27004	OK	33.7973	32.6032	-0.0518952	0.8527
JAZF1-AS1	HGC_27con	HGC_27004	NOTEST	0.03334	0.03217	-0.0518569	1
VSTM2L	HGC_27con	HGC_27004	OK	0.3274	0.31584	-0.0518537	0.9472
CASC4	HGC_27con	HGC_27004	OK	13.6511	13.1692	-0.051849	0.8517
HMOX2	HGC_27con	HGC_27004	OK	10.0921	9.73611	-0.0518125	0.881
PPP5D1	HGC_27con	HGC_27004	NOTEST	0.13835	0.13347	-0.051807	1
C22orf39	HGC_27con	HGC_27004	OK	18.9123	18.2457	-0.0517633	0.8702
DDTL	HGC_27con	HGC_27004	OK	1.72369	1.66294	-0.0517594	0.9532
FBXL20	HGC_27con	HGC_27004	OK	2.21858	2.14042	-0.0517384	0.8748
C16orf74	HGC_27con	HGC_27004	OK	9.15127	8.82953	-0.0516354	0.9155
FNTA	HGC_27con	HGC_27004	OK	36.6347	35.3486	-0.0515592	0.8498
HSPBP1	HGC_27con	HGC_27004	OK	26.648	25.7158	-0.0513705	0.8587
BRD8	HGC_27con	HGC_27004	OK	12.2287	11.801	-0.0513614	0.8561
OTUD6B-AS1	HGC_27con	HGC_27004	OK	7.71269	7.44303	-0.051344	0.8688
CCNDBP1	HGC_27con	HGC_27004	NOTEST	0.23095	0.2229	-0.0512124	1
TP63	HGC_27con	HGC_27004	OK	1.05584	1.01902	-0.0512078	0.9178
AARS	HGC_27con	HGC_27004	OK	145.397	140.337	-0.0511116	0.8405
APOL1	HGC_27con	HGC_27004	NOTEST	0.05624	0.05429	-0.0509837	1
IGDCC4	HGC_27con	HGC_27004	OK	2.44515	2.36025	-0.0509831	0.8861
SPATA5L1	HGC_27con	HGC_27004	OK	11.0823	10.6978	-0.0509467	0.8698
KIAA1551	HGC_27con	HGC_27004	OK	3.39346	3.27583	-0.0508963	0.8707
DNHD1	HGC_27con	HGC_27004	OK	1.87187	1.80699	-0.0508862	0.9077
RPL13P5	HGC_27con	HGC_27004	OK	3.67084	3.54367	-0.0508682	0.9348
TMED4	HGC_27con	HGC_27004	OK	49.1303	47.4289	-0.0508474	0.8542
EEF1A1	HGC_27con	HGC_27004	OK	4259.79	4112.31	-0.0508358	0.4342
ANKLE1	HGC_27con	HGC_27004	OK	0.62918	0.60741	-0.0508242	0.9327
PET100	HGC_27con	HGC_27004	OK	104.12	100.516	-0.0508181	0.8722
CHCHD2	HGC_27con	HGC_27004	OK	335.462	323.865	-0.0507568	0.8462
PMCH	HGC_27con	HGC_27004	OK	2.93382	2.83248	-0.0507155	0.9516
ERN1	HGC_27con	HGC_27004	OK	2.6717	2.57943	-0.0507054	0.8885
MORF4L2-AS1	HGC_27con	HGC_27004	OK	0.48927	0.47238	-0.0506976	0.9372
PACRGL	HGC_27con	HGC_27004	OK	7.04713	6.80426	-0.0505984	0.8908
GPR4	HGC_27con	HGC_27004	NOTEST	0.01492	0.0144	-0.0505565	1
FGD5-AS1	HGC_27con	HGC_27004	OK	26.2838	25.3789	-0.0505429	0.906
C15orf59	HGC_27con	HGC_27004	OK	4.02891	3.89025	-0.0505233	0.8715
KCTD15	HGC_27con	HGC_27004	OK	8.96741	8.65889	-0.0505086	0.8647
THRAP3	HGC_27con	HGC_27004	OK	29.3009	28.2929	-0.0505064	0.845
RAI1	HGC_27con	HGC_27004	OK	10.1114	9.76437	-0.0503799	0.9352
CUTA	HGC_27con	HGC_27004	OK	170.099	164.267	-0.0503257	0.8479
LOC100129046	HGC_27con	HGC_27004	NOTEST	0.06643	0.06416	-0.0502151	1
PISD	HGC_27con	HGC_27004	OK	6.60047	6.37471	-0.0502098	0.9205
ZC2HC1C	HGC_27con	HGC_27004	NOTEST	0.20461	0.19761	-0.0502014	1
C11orf73	HGC_27con	HGC_27004	OK	24.3007	23.4712	-0.0501024	0.8715
EIF4E2	HGC_27con	HGC_27004	OK	34.3602	33.1878	-0.0500837	0.8723

RPL14	HGC_27con	HGC_27004	OK	788.744	761.84	-0.0500703	0.8401
OCRL	HGC_27con	HGC_27004	OK	16.1261	15.5765	-0.0500281	0.8487
PIP4K2B	HGC_27con	HGC_27004	OK	12.3366	11.9172	-0.0499076	0.8578
ZSCAN25	HGC_27con	HGC_27004	OK	3.83358	3.70324	-0.0499049	0.8893
GSAP	HGC_27con	HGC_27004	NOTEST	0.13874	0.13403	-0.0498266	1
ZNF780A	HGC_27con	HGC_27004	OK	1.84524	1.78276	-0.0497011	0.9053
LINC01522	HGC_27con	HGC_27004	NOTEST	0.0321	0.03101	-0.0496968	1
SDF2	HGC_27con	HGC_27004	OK	14.3337	13.8489	-0.049646	0.8793
PRIMA1	HGC_27con	HGC_27004	NOTEST	0.14355	0.1387	-0.0496305	1
C11orf74	HGC_27con	HGC_27004	OK	10.229	9.88333	-0.0495888	0.9001
ECI1	HGC_27con	HGC_27004	OK	194.993	188.415	-0.0495087	0.8527
PRRC2A	HGC_27con	HGC_27004	OK	65.8165	63.5964	-0.0495054	0.8456
MAP1S	HGC_27con	HGC_27004	OK	18.5144	17.8902	-0.0494777	0.8647
SNORA71A	HGC_27con	HGC_27004	OK	7.21871	6.97557	-0.0494297	0.7518
LOC100505938	HGC_27con	HGC_27004	OK	0.63877	0.61732	-0.0492922	0.9723
MEFV	HGC_27con	HGC_27004	NOTEST	0.20882	0.20181	-0.0492367	1
NOL6	HGC_27con	HGC_27004	OK	15.7652	15.2363	-0.0492292	0.8599
TTC17	HGC_27con	HGC_27004	OK	15.3514	14.8367	-0.0491985	0.8601
DTWD2	HGC_27con	HGC_27004	OK	5.92111	5.72274	-0.0491627	0.8738
COX5B	HGC_27con	HGC_27004	OK	328.354	317.361	-0.0491303	0.8492
TMEM184B	HGC_27con	HGC_27004	OK	20.7813	20.0856	-0.0491239	0.8593
IP6K3	HGC_27con	HGC_27004	NOTEST	0.05136	0.04964	-0.0491175	1
MIR100HG	HGC_27con	HGC_27004	OK	2.7295	2.63816	-0.0491093	0.9076
TAF3	HGC_27con	HGC_27004	OK	3.55197	3.43313	-0.0490944	0.884
LRRC37BP1	HGC_27con	HGC_27004	OK	3.62701	3.50574	-0.0490607	0.8839
TMPO-AS1	HGC_27con	HGC_27004	OK	2.14528	2.07357	-0.0490505	0.9799
TBX3	HGC_27con	HGC_27004	OK	6.73398	6.50894	-0.0490366	0.8691
MGLL	HGC_27con	HGC_27004	OK	2.52288	2.43864	-0.0489965	0.8962
TMEM110	HGC_27con	HGC_27004	OK	2.82435	2.73009	-0.0489699	0.8971
TYW3	HGC_27con	HGC_27004	OK	13.0326	12.5979	-0.0489403	0.8874
SPRN	HGC_27con	HGC_27004	OK	1.64288	1.58816	-0.0488672	0.9535
NUTM2G	HGC_27con	HGC_27004	OK	0.37725	0.36469	-0.048844	0.9434
CASZ1	HGC_27con	HGC_27004	OK	4.46191	4.31375	-0.048717	0.8852
SC5D	HGC_27con	HGC_27004	OK	8.37344	8.09559	-0.0486842	0.8612
DUSP28	HGC_27con	HGC_27004	OK	3.91146	3.7821	-0.0485214	0.9488
GPC4	HGC_27con	HGC_27004	OK	38.6747	37.3961	-0.0485022	0.8505
PLCE1-AS2	HGC_27con	HGC_27004	NOTEST	0.01716	0.01659	-0.048412	1
UST	HGC_27con	HGC_27004	OK	3.01699	2.91748	-0.0483861	0.8941
HPS5	HGC_27con	HGC_27004	OK	6.36846	6.15855	-0.0483547	0.8704
ANKRD34A	HGC_27con	HGC_27004	OK	4.89885	4.73747	-0.0483263	0.9824
LOC100507634	HGC_27con	HGC_27004	OK	0.69988	0.67682	-0.0483249	0.9581
NPHP4	HGC_27con	HGC_27004	OK	7.32923	7.08833	-0.0482151	0.9025
KLF9	HGC_27con	HGC_27004	OK	11.8493	11.4599	-0.0482057	0.8659
SNHG5	HGC_27con	HGC_27004	OK	120.416	116.461	-0.048182	0.861
LTA	HGC_27con	HGC_27004	NOTEST	0.03182	0.03078	-0.0481765	1
ARRDC1	HGC_27con	HGC_27004	OK	12.0345	11.6394	-0.0481613	0.9106
ROGDI	HGC_27con	HGC_27004	OK	11.6831	11.2999	-0.0481186	0.8845
DENND5B	HGC_27con	HGC_27004	OK	1.97979	1.91486	-0.0481107	0.88
TCAM1P	HGC_27con	HGC_27004	NOTEST	0.07132	0.06898	-0.048084	1
TST	HGC_27con	HGC_27004	OK	28.7108	27.7707	-0.0480306	0.9361
TERF2	HGC_27con	HGC_27004	OK	10.3337	9.99551	-0.0480094	0.8758
ZMAT2	HGC_27con	HGC_27004	OK	29.3308	28.3708	-0.0480087	0.8654
CMTR1	HGC_27con	HGC_27004	OK	12.5179	12.1086	-0.0479643	0.8586
NUMB	HGC_27con	HGC_27004	OK	22.752	22.0092	-0.0478851	0.8583

FCGRT	HGC_27con	HGC_27004	OK	4.33458	4.19308	-0.0478808	0.9147
SPSB1	HGC_27con	HGC_27004	OK	1.25456	1.21362	-0.0478668	0.9291
XPC	HGC_27con	HGC_27004	OK	8.5519	8.27314	-0.0478099	0.8693
LOC101927045	HGC_27con	HGC_27004	OK	0.88469	0.85586	-0.0478011	0.9358
TBC1D9B	HGC_27con	HGC_27004	OK	18.4684	17.8673	-0.0477353	0.8592
FLJ42393	HGC_27con	HGC_27004	NOTEST	0.01448	0.01401	-0.0477105	1
MIP	HGC_27con	HGC_27004	NOTEST	0.05641	0.05457	-0.0476522	1
NCF2	HGC_27con	HGC_27004	NOTEST	0.02813	0.02722	-0.0475572	1
PCDHGA5	HGC_27con	HGC_27004	OK	0.59772	0.57836	-0.0474952	0.9307
PRADC1	HGC_27con	HGC_27004	OK	19.1909	18.5696	-0.0474758	0.8877
ZEB1	HGC_27con	HGC_27004	OK	10.2578	9.92613	-0.0474188	0.8599
LINC00629	HGC_27con	HGC_27004	OK	0.88142	0.85295	-0.0473729	0.9555
PRC1-AS1	HGC_27con	HGC_27004	OK	9.50373	9.19693	-0.047342	0.9543
NUP93	HGC_27con	HGC_27004	OK	30.5639	29.5776	-0.0473228	0.8586
SLC12A8	HGC_27con	HGC_27004	NOTEST	0.03458	0.03347	-0.0472443	1
SERINC1	HGC_27con	HGC_27004	OK	23.3438	22.5918	-0.0472418	0.8638
NAGLU	HGC_27con	HGC_27004	OK	50.1992	48.5827	-0.0472199	0.8552
COPZ1	HGC_27con	HGC_27004	OK	122.392	118.453	-0.0471953	0.8606
MRPL45	HGC_27con	HGC_27004	OK	43.8659	42.4557	-0.0471425	0.8597
PDZD2	HGC_27con	HGC_27004	NOTEST	0.09447	0.09143	-0.0471093	1
ZNF263	HGC_27con	HGC_27004	OK	6.91412	6.6923	-0.0470428	0.8819
ZCCHC14	HGC_27con	HGC_27004	OK	9.58036	9.27309	-0.0470289	0.86
RTN4R	HGC_27con	HGC_27004	OK	19.3683	18.7471	-0.0470256	0.8879
LDAH	HGC_27con	HGC_27004	OK	3.54653	3.4328	-0.0470214	0.8962
FIBP	HGC_27con	HGC_27004	OK	80.0028	77.4374	-0.0470197	0.8625
DNAJB13	HGC_27con	HGC_27004	NOTEST	0.20115	0.1947	-0.047004	1
MTERF1	HGC_27con	HGC_27004	OK	5.69922	5.51673	-0.0469504	0.8992
XCL2	HGC_27con	HGC_27004	NOTEST	0.07635	0.07391	-0.0469363	1
TRAF4	HGC_27con	HGC_27004	OK	16.1419	15.6262	-0.0468421	0.8753
SMG9	HGC_27con	HGC_27004	OK	9.83707	9.52353	-0.0467312	0.8851
HORMAD2-AS1	HGC_27con	HGC_27004	NOTEST	0.24597	0.23815	-0.0466105	1
PAX1	HGC_27con	HGC_27004	OK	2.33688	2.26269	-0.0465484	0.8995
FAM170A	HGC_27con	HGC_27004	NOTEST	0.0181	0.01752	-0.0465425	1
MRPS33	HGC_27con	HGC_27004	OK	39.3989	38.1483	-0.0465339	0.8814
TSSC1	HGC_27con	HGC_27004	OK	23.3305	22.5904	-0.046509	0.877
SFT2D3	HGC_27con	HGC_27004	OK	11.2756	10.918	-0.0464989	0.8893
POTEM	HGC_27con	HGC_27004	OK	0.3233	0.31306	-0.0464518	0.936
AZI2	HGC_27con	HGC_27004	OK	6.36972	6.16791	-0.0464479	0.8979
DRD4	HGC_27con	HGC_27004	OK	2.48049	2.40203	-0.0463709	0.9451
SPNS1	HGC_27con	HGC_27004	OK	35.0329	33.9257	-0.0463327	0.8667
POM121	HGC_27con	HGC_27004	OK	14.8188	14.3505	-0.0463288	0.868
LINC01010	HGC_27con	HGC_27004	NOTEST	0.01871	0.01812	-0.0462657	1
PTGS1	HGC_27con	HGC_27004	NOTEST	0.01411	0.01366	-0.0462525	1
TFIP11	HGC_27con	HGC_27004	OK	9.61536	9.3124	-0.0461882	0.8877
SEC22B	HGC_27con	HGC_27004	OK	36.603	35.4499	-0.046177	0.9538
NFE2L3	HGC_27con	HGC_27004	OK	9.63229	9.32896	-0.0461632	0.8724
GLB1	HGC_27con	HGC_27004	OK	18.3163	17.7397	-0.0461452	0.8771
DGKZ	HGC_27con	HGC_27004	OK	18.3568	17.7816	-0.0459314	0.8703
UVRAG	HGC_27con	HGC_27004	OK	8.33574	8.07474	-0.0458939	0.8725
PHF2	HGC_27con	HGC_27004	OK	13.4557	13.0346	-0.0458632	0.8666
E2F8	HGC_27con	HGC_27004	OK	3.80344	3.68476	-0.0457342	0.8966
CALCB	HGC_27con	HGC_27004	NOTEST	0.04361	0.04225	-0.0456988	1
RPL8	HGC_27con	HGC_27004	OK	1754.69	1700.06	-0.0456288	0.8563
NME7	HGC_27con	HGC_27004	OK	7.89393	7.64827	-0.0456107	0.9227

KARS	HGC_27con	HGC_27004	OK	82.5745	80.0053	-0.0456004	0.8516
GALNT1	HGC_27con	HGC_27004	OK	20.8439	20.1955	-0.0455917	0.8673
ZDHC17	HGC_27con	HGC_27004	OK	4.37507	4.23911	-0.045545	0.8883
ZKSCAN5	HGC_27con	HGC_27004	OK	4.07012	3.94386	-0.0454631	0.8875
PCDHA11	HGC_27con	HGC_27004	OK	0.97668	0.9464	-0.0454429	0.9498
LATS2	HGC_27con	HGC_27004	OK	3.70047	3.58577	-0.045423	0.8965
FAM83A-AS1	HGC_27con	HGC_27004	NOTEST	0.02876	0.02787	-0.0454156	1
MTMR3	HGC_27con	HGC_27004	OK	5.77521	5.5963	-0.0453996	0.8722
FKBP1B	HGC_27con	HGC_27004	OK	1.58482	1.53573	-0.0453981	0.9443
PRR7-AS1	HGC_27con	HGC_27004	OK	1.08052	1.04706	-0.045382	0.7197
PON2	HGC_27con	HGC_27004	OK	17.735	17.186	-0.0453671	0.8808
MGMT	HGC_27con	HGC_27004	OK	17.828	17.2765	-0.0453367	0.8938
LAGE3	HGC_27con	HGC_27004	OK	17.1953	16.6633	-0.0453366	0.9062
PRAF2	HGC_27con	HGC_27004	OK	18.3718	17.8036	-0.0453281	0.8942
SLAIN2	HGC_27con	HGC_27004	OK	6.72959	6.5215	-0.0453151	0.8814
TARS	HGC_27con	HGC_27004	OK	92.7067	89.8416	-0.0452907	0.8644
SNORA45B	HGC_27con	HGC_27004	OK	14.8948	14.435	-0.0452406	0.8543
OR8B8	HGC_27con	HGC_27004	NOTEST	0.13829	0.13402	-0.0452262	1
MBNL2	HGC_27con	HGC_27004	OK	5.66131	5.48691	-0.0451422	0.8859
FAM118A	HGC_27con	HGC_27004	OK	7.94371	7.69954	-0.045039	0.886
NCOA4	HGC_27con	HGC_27004	OK	47.3019	45.8505	-0.0449596	0.8731
KIN	HGC_27con	HGC_27004	OK	2.79951	2.71371	-0.0449094	0.9023
NPIPB9	HGC_27con	HGC_27004	OK	0.46071	0.44661	-0.0448615	0.9592
TRAPPC13	HGC_27con	HGC_27004	OK	10.0632	9.75561	-0.0447869	0.9092
TPM3P9,ZNF761	HGC_27con	HGC_27004	OK	1.17708	1.14111	-0.0447705	0.9396
LRCH4	HGC_27con	HGC_27004	OK	9.55627	9.26446	-0.0447411	0.89
DDX10	HGC_27con	HGC_27004	OK	10.5467	10.2253	-0.0446456	0.8736
BOD1L1	HGC_27con	HGC_27004	OK	2.78985	2.70484	-0.0446435	0.8769
LHFP	HGC_27con	HGC_27004	OK	26.2779	25.4784	-0.0445721	0.8711
SERPINH1	HGC_27con	HGC_27004	OK	252.74	245.075	-0.044443	0.858
DDB2	HGC_27con	HGC_27004	OK	8.03077	7.78732	-0.0444111	0.8985
AARD	HGC_27con	HGC_27004	NOTEST	0.01915	0.01857	-0.0443697	1
WBSCR22	HGC_27con	HGC_27004	OK	51.4063	49.85	-0.0443533	0.8728
SDHAF4	HGC_27con	HGC_27004	OK	14.0002	13.5766	-0.0443239	0.9199
IFI27L1	HGC_27con	HGC_27004	OK	45.1643	43.798	-0.0443181	0.8908
PRKCSH	HGC_27con	HGC_27004	OK	149.525	145.004	-0.0443013	0.8648
PCDHGA8	HGC_27con	HGC_27004	NOTEST	0.05458	0.05293	-0.0442918	1
RBX1	HGC_27con	HGC_27004	OK	66.6776	64.6626	-0.044269	0.8743
SLC4A2	HGC_27con	HGC_27004	OK	75.1269	72.8574	-0.0442541	0.8648
CHMP7	HGC_27con	HGC_27004	OK	15.0731	14.6178	-0.0442459	0.8784
KCNQ1	HGC_27con	HGC_27004	OK	0.39332	0.38145	-0.0442255	0.8693
LIMS1	HGC_27con	HGC_27004	OK	10.7031	10.3801	-0.0442072	0.8756
GS1-124K5.11	HGC_27con	HGC_27004	OK	8.06278	7.81949	-0.044203	0.8954
ZNF641	HGC_27con	HGC_27004	OK	2.51746	2.44155	-0.0441699	0.9041
CDK19	HGC_27con	HGC_27004	OK	4.03731	3.9157	-0.0441238	0.9365
MYO9B	HGC_27con	HGC_27004	OK	10.3295	10.0184	-0.0441235	0.8677
DOHH	HGC_27con	HGC_27004	OK	15.8071	15.331	-0.0441196	0.8896
SLC5A4	HGC_27con	HGC_27004	NOTEST	0.0409	0.03967	-0.0440747	1
YIPF4	HGC_27con	HGC_27004	OK	35.4612	34.3966	-0.043973	0.8769
ASB6	HGC_27con	HGC_27004	OK	7.79278	7.55931	-0.0438825	0.9095
RFPL3S	HGC_27con	HGC_27004	NOTEST	0.03097	0.03004	-0.043832	1
SNX13	HGC_27con	HGC_27004	OK	11.7841	11.4316	-0.0438166	0.8723
PXN-AS1	HGC_27con	HGC_27004	OK	6.07156	5.89083	-0.0435954	0.9676
WDR27	HGC_27con	HGC_27004	OK	2.85721	2.77219	-0.0435833	0.9169

TCAIM	HGC_27con	HGC_27004	OK	9.42339	9.14299	-0.0435806	0.8956
CLK3	HGC_27con	HGC_27004	OK	9.63693	9.3502	-0.0435764	0.8974
CHMP5	HGC_27con	HGC_27004	OK	34.1588	33.1426	-0.0435684	0.8715
C1QL3	HGC_27con	HGC_27004	OK	0.59412	0.57644	-0.0435669	0.9802
LOC101929524	HGC_27con	HGC_27004	NOTEST	0.01884	0.01828	-0.0435618	1
C17orf80	HGC_27con	HGC_27004	OK	8.05272	7.81322	-0.0435582	0.9202
PHACTR1	HGC_27con	HGC_27004	NOTEST	0.07342	0.07123	-0.0435313	1
MAPKAPK2	HGC_27con	HGC_27004	OK	16.588	16.095	-0.0435292	0.877
CCNI2	HGC_27con	HGC_27004	NOTEST	0.04637	0.04499	-0.0435206	1
MACC1	HGC_27con	HGC_27004	NOTEST	0.04798	0.04655	-0.0435179	1
POLR1A	HGC_27con	HGC_27004	OK	17.2344	16.7223	-0.0435176	0.8717
ZFP14	HGC_27con	HGC_27004	OK	1.54355	1.49776	-0.0434531	0.9019
NDUFB2	HGC_27con	HGC_27004	OK	128.301	124.502	-0.0433622	0.8788
NUDT2	HGC_27con	HGC_27004	OK	28.1822	27.3487	-0.0433095	0.8912
TRIM10	HGC_27con	HGC_27004	NOTEST	0.02602	0.02525	-0.0432868	1
C17orf85	HGC_27con	HGC_27004	OK	4.74637	4.60622	-0.0432409	0.8816
C2CD3	HGC_27con	HGC_27004	OK	2.26717	2.20024	-0.0432346	0.8953
GPR19	HGC_27con	HGC_27004	OK	1.71616	1.66552	-0.0432132	0.9426
HPSE	HGC_27con	HGC_27004	OK	1.23976	1.20319	-0.0431906	0.9293
GLTP	HGC_27con	HGC_27004	OK	5.92169	5.74713	-0.0431685	0.903
LOC100505666	HGC_27con	HGC_27004	OK	6.10374	5.92402	-0.0431174	0.972
SYT11	HGC_27con	HGC_27004	NOTEST	0.01185	0.0115	-0.0431062	1
EVC	HGC_27con	HGC_27004	OK	2.22389	2.15844	-0.0430936	0.9071
PKNOX1	HGC_27con	HGC_27004	OK	3.73429	3.62443	-0.0430813	0.8995
G RTP1-AS1	HGC_27con	HGC_27004	NOTEST	0.20951	0.20335	-0.0430125	1
EIF5A	HGC_27con	HGC_27004	OK	288.313	279.845	-0.0430042	0.864
B4GALNT4	HGC_27con	HGC_27004	OK	11.0645	10.7399	-0.0429531	0.8864
CRISPLD2	HGC_27con	HGC_27004	NOTEST	0.09234	0.08963	-0.0429512	1
KDM1B	HGC_27con	HGC_27004	OK	4.23925	4.11505	-0.0428983	0.9038
ADNP-AS1	HGC_27con	HGC_27004	OK	0.77112	0.74858	-0.0428088	0.9683
ETAA1	HGC_27con	HGC_27004	OK	9.12727	8.86061	-0.0427772	0.8853
ASH1L	HGC_27con	HGC_27004	OK	6.99277	6.78872	-0.042724	0.8748
YDJC	HGC_27con	HGC_27004	OK	85.6472	83.148	-0.042724	0.88
RPL38	HGC_27con	HGC_27004	OK	2172.01	2108.7	-0.042678	0.8677
TRMT61A	HGC_27con	HGC_27004	OK	10.6754	10.3643	-0.0426578	0.886
CLSTN3	HGC_27con	HGC_27004	OK	2.16872	2.10556	-0.0426408	0.9171
HHEX	HGC_27con	HGC_27004	OK	3.96173	3.84636	-0.0426336	0.927
DNALI1	HGC_27con	HGC_27004	NOTEST	0.01256	0.01219	-0.0426046	1
NEFM	HGC_27con	HGC_27004	NOTEST	0.01226	0.0119	-0.0424859	1
FBXO21	HGC_27con	HGC_27004	OK	6.78659	6.59024	-0.0423562	0.8879
ASXL1	HGC_27con	HGC_27004	OK	11.7508	11.4114	-0.0422906	0.8843
LETM1	HGC_27con	HGC_27004	OK	16.9036	16.4153	-0.0422852	0.8757
LOC729732	HGC_27con	HGC_27004	OK	0.74642	0.72495	-0.0421227	0.9592
C14orf159	HGC_27con	HGC_27004	OK	21.1331	20.5251	-0.0421152	0.8876
SERHL2	HGC_27con	HGC_27004	OK	0.7639	0.74193	-0.0421138	0.9604
LARP4B	HGC_27con	HGC_27004	OK	14.1359	13.7294	-0.0420855	0.8749
ZNF594	HGC_27con	HGC_27004	OK	1.76404	1.7134	-0.0420179	0.9096
PINLYP	HGC_27con	HGC_27004	NOTEST	0.27499	0.26713	-0.0418178	1
RRP1	HGC_27con	HGC_27004	OK	16.8729	16.3911	-0.0417933	0.8877
AGTRAP	HGC_27con	HGC_27004	OK	34.5277	33.543	-0.0417411	0.891
JMJD1C	HGC_27con	HGC_27004	OK	4.80854	4.67151	-0.0417102	0.8865
CAMK1D	HGC_27con	HGC_27004	OK	15.8169	15.3664	-0.041686	0.8875
EMX2OS	HGC_27con	HGC_27004	OK	1.54749	1.50342	-0.0416787	0.9212
C19orf25	HGC_27con	HGC_27004	OK	17.8604	17.3522	-0.0416487	0.9234

MRC2	HGC_27con	HGC_27004	OK	38.8541	37.7548	-0.0414066	0.8694
FAM131A	HGC_27con	HGC_27004	OK	4.99843	4.85764	-0.041221	0.9252
SLC35F1	HGC_27con	HGC_27004	OK	0.36457	0.35432	-0.0411091	0.9495
THYN1	HGC_27con	HGC_27004	OK	16.2631	15.8064	-0.0410893	0.9031
CEP68	HGC_27con	HGC_27004	OK	4.58243	4.45385	-0.0410603	0.9526
LAMC1	HGC_27con	HGC_27004	OK	35.1371	34.154	-0.0409404	0.8742
POMT2	HGC_27con	HGC_27004	OK	12.1317	11.7927	-0.0408794	0.8841
EAPP	HGC_27con	HGC_27004	OK	11.3918	11.0738	-0.0408484	0.906
CD209	HGC_27con	HGC_27004	NOTEST	0.01139	0.01107	-0.0407452	1
TRAF3IP2-AS1	HGC_27con	HGC_27004	OK	3.05723	2.97213	-0.0407296	0.9681
ETFDH	HGC_27con	HGC_27004	OK	6.74286	6.55523	-0.0407148	0.944
METAP2	HGC_27con	HGC_27004	OK	35.1766	34.2074	-0.0403111	0.8779
ANKS4B	HGC_27con	HGC_27004	NOTEST	0.04787	0.04656	-0.0402399	1
USP30	HGC_27con	HGC_27004	OK	3.55803	3.46038	-0.0401477	0.9126
CHTF8	HGC_27con	HGC_27004	OK	52.316	50.8807	-0.0401352	0.8807
ANAPC16	HGC_27con	HGC_27004	OK	29.1424	28.3432	-0.0401148	0.8993
GRM3	HGC_27con	HGC_27004	NOTEST	0.04029	0.03919	-0.0398038	1
CREBBP	HGC_27con	HGC_27004	OK	12.3272	11.9926	-0.039703	0.8816
TMPRSS9	HGC_27con	HGC_27004	OK	1.08425	1.05483	-0.0396799	0.979
SGSM2	HGC_27con	HGC_27004	OK	8.42586	8.19837	-0.0394865	0.8914
HSD17B4	HGC_27con	HGC_27004	OK	37.9697	36.9457	-0.0394437	0.8834
KLF11	HGC_27con	HGC_27004	OK	4.47273	4.35214	-0.0394327	0.9078
DLX2	HGC_27con	HGC_27004	OK	8.03217	7.81572	-0.0394108	0.9164
POLR2F	HGC_27con	HGC_27004	OK	17.711	17.2341	-0.0393802	0.9091
FHDC1	HGC_27con	HGC_27004	NOTEST	0.04936	0.04804	-0.039314	1
VPS13D	HGC_27con	HGC_27004	OK	2.56569	2.49675	-0.0392944	0.8939
BTNL9	HGC_27con	HGC_27004	OK	4.82258	4.69312	-0.0392583	0.9125
GFER	HGC_27con	HGC_27004	OK	11.0752	10.7783	-0.0392109	0.9003
COQ9	HGC_27con	HGC_27004	OK	36.2979	35.328	-0.0390749	0.9185
LINC01273	HGC_27con	HGC_27004	NOTEST	0.04627	0.04503	-0.0390394	1
TAF8	HGC_27con	HGC_27004	OK	4.64758	4.52351	-0.0390365	0.9059
ALG1L9P	HGC_27con	HGC_27004	OK	1.2905	1.25605	-0.0390344	0.9779
PEX5	HGC_27con	HGC_27004	OK	18.5098	18.0163	-0.0389881	0.8896
RAB18	HGC_27con	HGC_27004	OK	19.5008	18.9812	-0.0389629	0.8878
GTF2IP20	HGC_27con	HGC_27004	OK	3.7027	3.60451	-0.0387748	0.9226
HMBS	HGC_27con	HGC_27004	OK	39.5072	38.4606	-0.0387364	0.8884
HAUS1	HGC_27con	HGC_27004	OK	26.5083	25.8067	-0.0386979	0.8908
RABL3	HGC_27con	HGC_27004	OK	4.0251	3.91874	-0.0386356	0.9165
ZNF697	HGC_27con	HGC_27004	OK	0.75253	0.73266	-0.0386078	0.9427
PPP1CA	HGC_27con	HGC_27004	OK	92.5146	90.0724	-0.0385957	0.8918
PKP4	HGC_27con	HGC_27004	OK	19.3304	18.8203	-0.0385803	0.8873
WASH5P	HGC_27con	HGC_27004	OK	22.835	22.2333	-0.0385257	0.9119
PAG1	HGC_27con	HGC_27004	OK	2.49717	2.43137	-0.0385217	0.9052
ADORA2B	HGC_27con	HGC_27004	OK	6.60081	6.42731	-0.0384295	0.9227
CTDNEP1	HGC_27con	HGC_27004	OK	68.0048	66.2174	-0.0384263	0.8846
NSL1	HGC_27con	HGC_27004	OK	6.22992	6.06627	-0.0384049	0.9323
KRBOX4	HGC_27con	HGC_27004	OK	2.17427	2.11718	-0.0383862	0.9342
MAD2L2	HGC_27con	HGC_27004	OK	33.5051	32.6255	-0.0383823	0.8996
CADPS	HGC_27con	HGC_27004	NOTEST	0.00595	0.00579	-0.038283	1
CALN1	HGC_27con	HGC_27004	OK	3.7213	3.62385	-0.0382823	0.8926
ATP6V1B2	HGC_27con	HGC_27004	OK	29.3727	28.604	-0.0382575	0.8857
SERPINB6	HGC_27con	HGC_27004	OK	92.0881	89.6816	-0.0382024	0.8833
GTF2B	HGC_27con	HGC_27004	OK	10.5224	10.2478	-0.0381496	0.9124
RAB11FIP5	HGC_27con	HGC_27004	OK	8.66097	8.43576	-0.03801	0.8991

SLC6A16	HGC_27con	HGC_27004	OK	1.03408	1.00725	-0.037923	0.9512
SNORD33	HGC_27con	HGC_27004	OK	46.3626	45.1618	-0.0378562	0.8015
INO80C	HGC_27con	HGC_27004	OK	9.00344	8.77078	-0.0377717	0.9294
POLR2J	HGC_27con	HGC_27004	OK	20.0299	19.5125	-0.0377579	0.9319
FAM134C	HGC_27con	HGC_27004	OK	7.72507	7.52594	-0.0376761	0.9348
RNF4	HGC_27con	HGC_27004	OK	32.101	31.2737	-0.0376648	0.8867
MCCC1	HGC_27con	HGC_27004	OK	5.54845	5.40629	-0.0374477	0.9121
NOC4L	HGC_27con	HGC_27004	OK	16.0558	15.6447	-0.037419	0.9109
NPEPL1	HGC_27con	HGC_27004	OK	0.5617	0.54735	-0.0373131	0.9459
PPP1R1B	HGC_27con	HGC_27004	OK	0.32774	0.31937	-0.0373026	0.9621
IRF8	HGC_27con	HGC_27004	NOTEST	0.0138	0.01345	-0.0372542	1
COG8	HGC_27con	HGC_27004	OK	15.7805	15.3786	-0.0372208	0.9374
DVL1	HGC_27con	HGC_27004	OK	24.3123	23.6932	-0.0372131	0.893
LOC100132352	HGC_27con	HGC_27004	OK	1.53636	1.49724	-0.0372083	0.9497
BAP1	HGC_27con	HGC_27004	OK	16.9686	16.5366	-0.0372048	0.8903
RPSA	HGC_27con	HGC_27004	OK	1160	1130.54	-0.0371132	0.8862
EVA1B	HGC_27con	HGC_27004	OK	66.5704	64.882	-0.0370615	0.9008
SERF1A,SERF1B	HGC_27con	HGC_27004	NOTEST	0.00537	0.00523	-0.0370025	1
RAB30-AS1	HGC_27con	HGC_27004	OK	9.65525	9.41089	-0.0369835	0.9335
LGI4	HGC_27con	HGC_27004	OK	4.34199	4.23212	-0.0369762	0.9207
TAT-AS1	HGC_27con	HGC_27004	NOTEST	0.05581	0.0544	-0.0369313	1
ZNF720	HGC_27con	HGC_27004	OK	4.4637	4.35125	-0.0368074	0.9201
ZNF34	HGC_27con	HGC_27004	OK	0.85766	0.83607	-0.0367768	0.9461
CWC22	HGC_27con	HGC_27004	OK	9.90298	9.65385	-0.0367575	0.8962
TTC26	HGC_27con	HGC_27004	OK	3.05717	2.98037	-0.0367035	0.9215
NT5C	HGC_27con	HGC_27004	OK	37.1907	36.2578	-0.0366501	0.9198
DACT3-AS1	HGC_27con	HGC_27004	NOTEST	0.18908	0.18434	-0.0366	1
BST1	HGC_27con	HGC_27004	NOTEST	0.02641	0.02575	-0.0364396	1
IMPDH1	HGC_27con	HGC_27004	OK	28.1272	27.4261	-0.0364195	0.894
RNF13	HGC_27con	HGC_27004	OK	8.86754	8.64677	-0.0363725	0.9058
SLC24A1	HGC_27con	HGC_27004	OK	2.88367	2.81189	-0.0363624	0.9387
RPL22	HGC_27con	HGC_27004	OK	311.411	303.664	-0.0363455	0.8864
CNPPD1	HGC_27con	HGC_27004	OK	13.2076	12.8796	-0.0362813	0.9064
FAM192A	HGC_27con	HGC_27004	OK	23.6498	23.0628	-0.0362608	0.8939
RAB7A	HGC_27con	HGC_27004	OK	47.3785	46.2041	-0.0362113	0.8903
AADA2L2-AS1	HGC_27con	HGC_27004	NOTEST	0.07366	0.07184	-0.0361715	1
BMP2	HGC_27con	HGC_27004	OK	3.00265	2.92833	-0.0361546	0.9281
CISD3	HGC_27con	HGC_27004	OK	7.97905	7.78191	-0.0360926	0.9414
DLEU1-AS1	HGC_27con	HGC_27004	NOTEST	0.05354	0.05222	-0.0360512	1
KLF13	HGC_27con	HGC_27004	OK	14.56	14.2014	-0.0359686	0.8934
ZNF527	HGC_27con	HGC_27004	OK	2.15219	2.09923	-0.0359429	0.923
NHS	HGC_27con	HGC_27004	OK	1.37853	1.34461	-0.0359414	0.9232
CDC42EP2	HGC_27con	HGC_27004	OK	5.01086	4.88758	-0.0359381	0.9298
TIA1	HGC_27con	HGC_27004	OK	38.8652	37.9092	-0.0359307	0.8868
UNC5B	HGC_27con	HGC_27004	OK	45.8422	44.715	-0.0359168	0.8857
SNRNP35	HGC_27con	HGC_27004	OK	4.97643	4.85407	-0.0359162	0.958
SLC25A21-AS1	HGC_27con	HGC_27004	OK	2.76787	2.69986	-0.0358891	0.9559
MAD1L1	HGC_27con	HGC_27004	OK	6.09439	5.94493	-0.0358235	0.9077
ZNF271P	HGC_27con	HGC_27004	OK	4.2124	4.10935	-0.035731	0.907
CCDC53	HGC_27con	HGC_27004	OK	10.3643	10.1108	-0.0357244	0.9219
HEATR4	HGC_27con	HGC_27004	NOTEST	0.13337	0.13011	-0.0357014	1
RBBP8	HGC_27con	HGC_27004	OK	16.2017	15.8057	-0.0357005	0.8945
POLR3H	HGC_27con	HGC_27004	OK	21.1659	20.6492	-0.0356574	0.9302
LINC00882	HGC_27con	HGC_27004	OK	0.50986	0.49744	-0.0355816	0.9063

ZNF84	HGC_27con	HGC_27004	OK	3.25571	3.17643	-0.0355642	0.9115
IMPDH2	HGC_27con	HGC_27004	OK	238.737	232.936	-0.0354846	0.8888
BDKRB2	HGC_27con	HGC_27004	NOTEST	0.01223	0.01193	-0.0354444	1
SPAG7	HGC_27con	HGC_27004	OK	25.3772	24.7624	-0.0353805	0.9083
ZNF101	HGC_27con	HGC_27004	OK	2.59186	2.52929	-0.0352563	0.9193
LMBRD2	HGC_27con	HGC_27004	OK	4.13835	4.03873	-0.0351508	0.9238
NIT1	HGC_27con	HGC_27004	OK	16.8605	16.4548	-0.0351436	0.9548
HTATSF1P2	HGC_27con	HGC_27004	OK	3.39871	3.31694	-0.0351366	0.9189
SRGAP3	HGC_27con	HGC_27004	NOTEST	0.05058	0.04936	-0.0351099	1
TTC37	HGC_27con	HGC_27004	OK	19.9163	19.4385	-0.0350282	0.8937
TOLLIP-AS1	HGC_27con	HGC_27004	OK	1.84048	1.79634	-0.0350248	0.9667
CCDC149	HGC_27con	HGC_27004	OK	0.71316	0.69611	-0.0349201	0.9431
PELI1	HGC_27con	HGC_27004	OK	10.4795	10.229	-0.0349043	0.9068
C4B_2	HGC_27con	HGC_27004	NOTEST	4.9E-05	4.7E-05	-0.0347988	1
IFT52	HGC_27con	HGC_27004	OK	12.1958	11.9054	-0.0347635	0.9113
PFKFB3	HGC_27con	HGC_27004	OK	7.70757	7.52428	-0.0347218	0.9069
ADA	HGC_27con	HGC_27004	OK	17.8558	17.4334	-0.0345364	0.9121
JPX	HGC_27con	HGC_27004	OK	2.65715	2.5943	-0.0345312	0.949
ZNF821	HGC_27con	HGC_27004	OK	3.23243	3.15603	-0.0345095	0.9372
STIM1	HGC_27con	HGC_27004	OK	11.8235	11.544	-0.0345076	0.9025
LRRC37A2	HGC_27con	HGC_27004	OK	0.56923	0.55579	-0.0344726	0.9595
SHISA8	HGC_27con	HGC_27004	OK	1.10389	1.07789	-0.034384	0.9591
ADAT1	HGC_27con	HGC_27004	OK	6.53567	6.38189	-0.0343509	0.9096
UNC45A	HGC_27con	HGC_27004	OK	16.6954	16.3029	-0.0343235	0.9105
LRRC37A11P	HGC_27con	HGC_27004	NOTEST	0.00914	0.00892	-0.0342449	1
TGIF2	HGC_27con	HGC_27004	OK	11.5196	11.2509	-0.0340512	0.9382
HARBI1	HGC_27con	HGC_27004	OK	3.54565	3.46295	-0.0340479	0.9424
DGKQ	HGC_27con	HGC_27004	OK	5.11601	4.99714	-0.0339172	0.9238
MGAT5	HGC_27con	HGC_27004	OK	6.80544	6.64808	-0.0337515	0.9045
SEC22A	HGC_27con	HGC_27004	OK	2.2924	2.23947	-0.0336968	0.9379
ZNF587B	HGC_27con	HGC_27004	OK	0.73416	0.71723	-0.0336592	0.9533
ZNF750	HGC_27con	HGC_27004	NOTEST	0.03452	0.03372	-0.0336543	1
ZEB1-AS1	HGC_27con	HGC_27004	OK	3.95444	3.86332	-0.0336349	0.9381
TMEM40	HGC_27con	HGC_27004	NOTEST	0.03874	0.03785	-0.0336242	1
KHDC1	HGC_27con	HGC_27004	OK	3.72024	3.63455	-0.0336206	0.9469
VAMP4	HGC_27con	HGC_27004	OK	4.453	4.35053	-0.0335859	0.9193
COQ6	HGC_27con	HGC_27004	OK	19.2959	18.8519	-0.0335818	0.9206
BMP2K	HGC_27con	HGC_27004	OK	8.0228	7.83838	-0.0335495	0.9167
FIG4	HGC_27con	HGC_27004	OK	2.93822	2.87079	-0.0334963	0.9298
LINC00961	HGC_27con	HGC_27004	NOTEST	0.02572	0.02513	-0.033425	1
FGD1	HGC_27con	HGC_27004	OK	15.7945	15.4331	-0.0334009	0.9039
PLA2G12A	HGC_27con	HGC_27004	OK	2.52029	2.46263	-0.033387	0.9268
MCL1	HGC_27con	HGC_27004	OK	48.222	47.119	-0.0333827	0.8977
RPUSD4	HGC_27con	HGC_27004	OK	18.04	17.6275	-0.0333706	0.903
CALCOCO2	HGC_27con	HGC_27004	OK	17.4743	17.075	-0.0333518	0.9028
GTF2I	HGC_27con	HGC_27004	OK	66.0816	64.5759	-0.0332519	0.914
TLR6	HGC_27con	HGC_27004	NOTEST	0.11386	0.11127	-0.0332084	1
MAP2K2	HGC_27con	HGC_27004	OK	158.996	155.381	-0.0331833	0.8984
FNIP2	HGC_27con	HGC_27004	OK	5.66846	5.53962	-0.0331703	0.9104
FGF14-AS2	HGC_27con	HGC_27004	NOTEST	0.0343	0.03352	-0.0331063	1
WDR59	HGC_27con	HGC_27004	OK	13.6026	13.294	-0.0331058	0.9097
STAM	HGC_27con	HGC_27004	OK	12.4555	12.173	-0.0331054	0.9096
PKD1P6	HGC_27con	HGC_27004	OK	8.08688	7.90349	-0.0330939	0.9598
KLHL18	HGC_27con	HGC_27004	OK	3.9635	3.87363	-0.0330891	0.9246

TMED6	HGC_27con	HGC_27004	OK	0.59158	0.57818	-0.0330529	0.9478
WDFY1	HGC_27con	HGC_27004	OK	10.3089	10.0754	-0.0330494	0.9091
TRIM58	HGC_27con	HGC_27004	NOTEST	0.04495	0.04394	-0.0330491	1
VAC14-AS1	HGC_27con	HGC_27004	NOTEST	0.0975	0.09529	-0.0330425	1
TBC1D9	HGC_27con	HGC_27004	OK	2.67986	2.6192	-0.0330328	0.9283
MBTD1	HGC_27con	HGC_27004	OK	5.9823	5.84702	-0.0329997	0.9154
LOC648987	HGC_27con	HGC_27004	OK	6.31686	6.17419	-0.0329581	0.9561
MMP25	HGC_27con	HGC_27004	OK	0.47976	0.46894	-0.0329072	0.9766
LINC00938	HGC_27con	HGC_27004	OK	8.36626	8.17783	-0.0328658	0.9249
ACVR1	HGC_27con	HGC_27004	OK	4.26603	4.17027	-0.0327548	0.9317
EZH1	HGC_27con	HGC_27004	OK	3.66233	3.58041	-0.0326346	0.9172
LRRC28	HGC_27con	HGC_27004	OK	10.7618	10.5213	-0.0326071	0.93
TMSB15B	HGC_27con	HGC_27004	OK	6.01471	5.88039	-0.0325832	0.9501
STK38	HGC_27con	HGC_27004	OK	15.6966	15.3466	-0.0325255	0.9046
DYRK1A	HGC_27con	HGC_27004	OK	9.47064	9.25983	-0.0324758	0.9092
PCDHGA4	HGC_27con	HGC_27004	OK	0.75983	0.74292	-0.0324553	0.8765
NKAP	HGC_27con	HGC_27004	OK	12.9307	12.643	-0.032452	0.9143
PID1	HGC_27con	HGC_27004	NOTEST	0.02882	0.02818	-0.0323302	1
SLC35C1	HGC_27con	HGC_27004	OK	9.42961	9.22101	-0.0322744	0.9151
NPM3	HGC_27con	HGC_27004	OK	127.87	125.044	-0.0322402	0.9008
FTSJ1	HGC_27con	HGC_27004	OK	14.0493	13.7393	-0.0321824	0.9186
FAM127C	HGC_27con	HGC_27004	OK	17.1065	16.7295	-0.0321432	0.9174
EI24	HGC_27con	HGC_27004	OK	85.2978	83.4205	-0.0321057	0.9013
TEDDM1	HGC_27con	HGC_27004	NOTEST	0.01576	0.01541	-0.032097	1
EPM2AIP1	HGC_27con	HGC_27004	OK	4.58831	4.48745	-0.0320657	0.9167
TAF1D	HGC_27con	HGC_27004	OK	38.3191	37.4784	-0.0320059	0.9046
TIMM23	HGC_27con	HGC_27004	OK	27.0627	26.4689	-0.0320051	0.9644
ATP5S	HGC_27con	HGC_27004	OK	12.5556	12.2821	-0.0317749	0.927
PRICKLE1	HGC_27con	HGC_27004	OK	6.36622	6.22766	-0.0317465	0.9137
DNM2	HGC_27con	HGC_27004	OK	51.344	50.2293	-0.0316673	0.8975
PTK2	HGC_27con	HGC_27004	OK	11.2252	10.9815	-0.0316567	0.9116
SLC35F2	HGC_27con	HGC_27004	OK	11.8484	11.5916	-0.0316056	0.9109
LOC728752	HGC_27con	HGC_27004	OK	6.32555	6.1885	-0.0316025	0.9589
ZMYM6NB	HGC_27con	HGC_27004	OK	19.7587	19.3306	-0.031599	0.9322
MAN2A2	HGC_27con	HGC_27004	OK	6.04558	5.91465	-0.0315874	0.9142
PHRF1	HGC_27con	HGC_27004	OK	5.88398	5.75699	-0.031479	0.9145
SYT1	HGC_27con	HGC_27004	OK	5.9178	5.79055	-0.0313595	0.9148
COBLL1	HGC_27con	HGC_27004	OK	4.87139	4.76679	-0.0313143	0.9131
ATG13	HGC_27con	HGC_27004	OK	10.8425	10.6097	-0.0313045	0.9083
LYRM4	HGC_27con	HGC_27004	OK	41.7894	40.8925	-0.0313019	0.9357
GLRB	HGC_27con	HGC_27004	OK	3.06045	2.99506	-0.0311573	0.94
MPC2	HGC_27con	HGC_27004	OK	14.9359	14.6169	-0.0311467	0.9534
MYL6B	HGC_27con	HGC_27004	OK	66.6185	65.1958	-0.0311435	0.9072
ST7	HGC_27con	HGC_27004	OK	13.5934	13.3032	-0.0311406	0.9212
TBCD	HGC_27con	HGC_27004	OK	24.0935	23.5792	-0.0311255	0.9012
SLC9A8	HGC_27con	HGC_27004	OK	2.86394	2.8029	-0.0310799	0.9245
ZNF48	HGC_27con	HGC_27004	OK	7.13784	6.98575	-0.0310725	0.9246
PLAU	HGC_27con	HGC_27004	OK	1.40757	1.37771	-0.0309361	0.9568
C20orf202	HGC_27con	HGC_27004	NOTEST	0.02171	0.02125	-0.0308701	1
LOC101928279	HGC_27con	HGC_27004	NOTEST	0.08175	0.08002	-0.0308313	1
AUP1	HGC_27con	HGC_27004	OK	89.9897	88.0931	-0.0307298	0.9294
FCHSD1	HGC_27con	HGC_27004	OK	0.36089	0.35329	-0.0307133	0.9723
LUC7L	HGC_27con	HGC_27004	OK	25.9105	25.3668	-0.0305987	0.913
VMP1	HGC_27con	HGC_27004	OK	23.9011	23.4011	-0.0305049	0.9281

RNF213	HGC_27con	HGC_27004	OK	6.85308	6.70998	-0.0304427	0.9107
APPL2	HGC_27con	HGC_27004	OK	6.4594	6.32485	-0.0303683	0.9243
LRRC40	HGC_27con	HGC_27004	OK	7.68021	7.52036	-0.0303429	0.9233
TSPAN14	HGC_27con	HGC_27004	OK	6.58976	6.45302	-0.0302517	0.9146
CWC25	HGC_27con	HGC_27004	OK	5.04474	4.94043	-0.0301446	0.9289
LAPTM5	HGC_27con	HGC_27004	NOTEST	0.04231	0.04144	-0.03012	1
SLC35B2	HGC_27con	HGC_27004	OK	33.5308	32.8393	-0.030067	0.9152
ZNF521	HGC_27con	HGC_27004	OK	12.1497	11.8995	-0.0300236	0.9158
PELO	HGC_27con	HGC_27004	OK	8.77135	8.59075	-0.0300156	0.9259
OGDH	HGC_27con	HGC_27004	OK	31.987	31.3289	-0.0299893	0.9117
BCL9	HGC_27con	HGC_27004	OK	7.55206	7.39673	-0.0299818	0.9167
LOC101927164	HGC_27con	HGC_27004	NOTEST	0.07676	0.07518	-0.0299771	1
PES1	HGC_27con	HGC_27004	OK	37.1577	36.3965	-0.0298614	0.91
RBBP9	HGC_27con	HGC_27004	OK	10.3742	10.1623	-0.0297747	0.9205
LOC642236	HGC_27con	HGC_27004	OK	1.63636	1.60297	-0.0297351	0.9599
CHMP4B	HGC_27con	HGC_27004	OK	24.2874	23.7948	-0.0295641	0.9175
CYB5B	HGC_27con	HGC_27004	OK	24.2077	23.717	-0.0295452	0.9154
NDUFA8	HGC_27con	HGC_27004	OK	58.7923	57.6028	-0.0294876	0.9188
VLDLR-AS1	HGC_27con	HGC_27004	OK	2.70571	2.65103	-0.0294534	0.9869
DHX29	HGC_27con	HGC_27004	OK	8.27721	8.11067	-0.0293239	0.9197
PDE4D	HGC_27con	HGC_27004	OK	2.64841	2.59524	-0.0292552	0.9281
PXMP2	HGC_27con	HGC_27004	OK	22.7636	22.3068	-0.0292471	0.9325
ZNF485	HGC_27con	HGC_27004	OK	2.01071	1.97037	-0.0292386	0.9542
CYP1A1	HGC_27con	HGC_27004	OK	0.64622	0.63329	-0.0291639	0.9706
LINC00955	HGC_27con	HGC_27004	NOTEST	0.03216	0.03151	-0.0291588	1
BTBD2	HGC_27con	HGC_27004	OK	92.0866	90.2458	-0.0291323	0.9136
RXRБ	HGC_27con	HGC_27004	OK	18.678	18.3055	-0.0290587	0.9556
MUC12	HGC_27con	HGC_27004	NOTEST	0.00219	0.00215	-0.0290425	1
WDFY3-AS2	HGC_27con	HGC_27004	OK	0.38746	0.37974	-0.0290318	0.9583
RGS3	HGC_27con	HGC_27004	OK	16.8456	16.5109	-0.0289509	0.9257
SNORD32A	HGC_27con	HGC_27004	OK	23.709	23.2385	-0.0289206	0.6644
ATF6	HGC_27con	HGC_27004	OK	13.2777	13.0147	-0.0288721	0.9115
NDUFB7	HGC_27con	HGC_27004	OK	301.843	295.865	-0.0288593	0.9127
PCM1	HGC_27con	HGC_27004	OK	12.7411	12.4888	-0.0288589	0.9106
PMPCA	HGC_27con	HGC_27004	OK	26.0729	25.557	-0.0288289	0.9425
SP5	HGC_27con	HGC_27004	OK	5.73224	5.61924	-0.0287223	0.9604
APEH	HGC_27con	HGC_27004	OK	22.5783	22.1345	-0.0286432	0.92
KRT10	HGC_27con	HGC_27004	OK	12.2256	11.986	-0.0285547	0.9351
CCDC94	HGC_27con	HGC_27004	OK	13.1049	12.8483	-0.0285277	0.9279
TNRC6B	HGC_27con	HGC_27004	OK	2.91568	2.85899	-0.0283255	0.9194
SETMAR	HGC_27con	HGC_27004	OK	6.62407	6.49559	-0.0282572	0.9407
RNF113A	HGC_27con	HGC_27004	OK	16.2313	15.9169	-0.0282186	0.952
PCYOX1	HGC_27con	HGC_27004	OK	18.5727	18.2149	-0.0280702	0.9125
NRF1	HGC_27con	HGC_27004	OK	4.28055	4.19807	-0.0280697	0.9337
FKBP1A	HGC_27con	HGC_27004	OK	105.959	103.929	-0.0279007	0.9155
SMIM10L1	HGC_27con	HGC_27004	OK	3.89082	3.81637	-0.0278725	0.938
EGR3	HGC_27con	HGC_27004	NOTEST	0.06465	0.06341	-0.0278676	1
HAO2	HGC_27con	HGC_27004	NOTEST	0.02172	0.0213	-0.0278131	1
PPEF2	HGC_27con	HGC_27004	NOTEST	0.00954	0.00936	-0.0277944	1
TMLHE	HGC_27con	HGC_27004	OK	8.30965	8.15127	-0.0277628	0.9391
ZNF304	HGC_27con	HGC_27004	OK	1.63723	1.60605	-0.0277416	0.9483
TMCO6	HGC_27con	HGC_27004	OK	11.1988	10.9856	-0.0277409	0.955
MPND	HGC_27con	HGC_27004	OK	14.0597	13.7922	-0.0277165	0.9313
MBD1	HGC_27con	HGC_27004	OK	16.1964	15.8882	-0.0277164	0.9239

POLR1C	HGC_27con	HGC_27004	OK	25.5343	25.0497	-0.0276455	0.9252
APTX	HGC_27con	HGC_27004	OK	20.7006	20.309	-0.0275562	0.9258
CST7	HGC_27con	HGC_27004	NOTEST	0.04892	0.048	-0.027515	1
HMGXB3	HGC_27con	HGC_27004	OK	8.92549	8.75694	-0.0275042	0.9262
PLEKHH3	HGC_27con	HGC_27004	OK	33.8935	33.2554	-0.027421	0.9172
DDX49	HGC_27con	HGC_27004	OK	52.519	51.5357	-0.0272676	0.9185
UTP6	HGC_27con	HGC_27004	OK	23.5536	23.115	-0.0271174	0.9239
TMEM147	HGC_27con	HGC_27004	OK	141.624	138.989	-0.0270947	0.9223
RC3H1	HGC_27con	HGC_27004	OK	2.64815	2.59923	-0.0268984	0.9296
SPCS1	HGC_27con	HGC_27004	OK	74.2342	72.8652	-0.0268541	0.9593
ADAMTS17	HGC_27con	HGC_27004	OK	0.59348	0.5826	-0.0266903	0.9624
ARRB2	HGC_27con	HGC_27004	OK	8.61348	8.45621	-0.0265858	0.9376
SLC6A8	HGC_27con	HGC_27004	OK	31.4669	30.8929	-0.0265594	0.9188
C8orf44	HGC_27con	HGC_27004	OK	0.68162	0.66923	-0.0264792	0.9858
UBE2L3	HGC_27con	HGC_27004	OK	36.293	35.637	-0.0263151	0.9211
COX8A	HGC_27con	HGC_27004	OK	623.416	612.168	-0.0262666	0.9197
FAM195B	HGC_27con	HGC_27004	OK	7.31193	7.18013	-0.026242	0.9521
MGC12916	HGC_27con	HGC_27004	NOTEST	0.0736	0.07228	-0.0261459	1
TMEM184A	HGC_27con	HGC_27004	OK	1.00372	0.98569	-0.0261421	0.961
CSTF2	HGC_27con	HGC_27004	OK	14.3273	14.0701	-0.0261257	0.9279
RANBP2	HGC_27con	HGC_27004	OK	8.09617	7.95102	-0.0261001	0.9211
MTX1	HGC_27con	HGC_27004	OK	40.8116	40.0799	-0.0261	0.9259
ZNF711	HGC_27con	HGC_27004	OK	18.4006	18.071	-0.0260744	0.9254
NUP214	HGC_27con	HGC_27004	OK	8.07333	7.92899	-0.0260268	0.9276
BAG6	HGC_27con	HGC_27004	OK	57.7299	56.7001	-0.0259672	0.9187
FAM110A	HGC_27con	HGC_27004	OK	3.89219	3.82322	-0.0257929	0.962
TMEM119	HGC_27con	HGC_27004	OK	65.2843	64.1276	-0.0257918	0.9219
RAB22A	HGC_27con	HGC_27004	OK	3.75794	3.6914	-0.025775	0.9345
HECTD4	HGC_27con	HGC_27004	OK	3.44672	3.38602	-0.0256318	0.9277
CENPBD1	HGC_27con	HGC_27004	OK	5.05006	4.9613	-0.0255816	0.9523
CMTM7	HGC_27con	HGC_27004	OK	12.1473	11.9339	-0.025571	0.95
TSFM	HGC_27con	HGC_27004	OK	10.4036	10.221	-0.0255486	0.9481
SART1	HGC_27con	HGC_27004	OK	22.4462	22.0533	-0.0254799	0.9209
MRPS18C	HGC_27con	HGC_27004	OK	23.5649	23.1543	-0.02536	0.9568
RPS6	HGC_27con	HGC_27004	OK	3186.07	3130.58	-0.0253474	0.9254
SRSF5	HGC_27con	HGC_27004	OK	66.2981	65.1447	-0.0253201	0.924
BTN3A3	HGC_27con	HGC_27004	OK	3.74931	3.68414	-0.0252951	0.9467
HTRA2	HGC_27con	HGC_27004	OK	14.6175	14.3635	-0.0252827	0.9632
DLC1	HGC_27con	HGC_27004	OK	6.85979	6.74065	-0.0252753	0.9331
LOC101927543	HGC_27con	HGC_27004	NOTEST	0.01604	0.01576	-0.0252545	1
STAG3	HGC_27con	HGC_27004	OK	0.45795	0.45005	-0.0251213	0.9794
TMEM167B	HGC_27con	HGC_27004	OK	13.0939	12.8684	-0.025052	0.9319
KAAG1	HGC_27con	HGC_27004	NOTEST	0.02811	0.02763	-0.0249518	1
SIRT6	HGC_27con	HGC_27004	OK	11.5596	11.3614	-0.0249471	0.9408
MTCH1	HGC_27con	HGC_27004	OK	65.4126	64.2917	-0.0249363	0.9248
ADAL	HGC_27con	HGC_27004	OK	8.05222	7.91435	-0.0249163	0.9487
ODF2L	HGC_27con	HGC_27004	OK	2.33468	2.29476	-0.0248848	0.9426
KCNIP3	HGC_27con	HGC_27004	OK	6.41389	6.30462	-0.0247898	0.9389
SNX18	HGC_27con	HGC_27004	OK	4.0294	3.96082	-0.0247659	0.9413
SPICE1	HGC_27con	HGC_27004	OK	2.4967	2.45422	-0.0247583	0.9408
FAM87B	HGC_27con	HGC_27004	NOTEST	0.10392	0.10215	-0.0247573	1
PQLC2	HGC_27con	HGC_27004	OK	4.45577	4.37999	-0.0247471	0.9547
NCBP2-AS2	HGC_27con	HGC_27004	OK	15.1981	14.9397	-0.0247416	0.9451
MKS1	HGC_27con	HGC_27004	OK	10.2667	10.0922	-0.024739	0.9375

DPY19L1P1	HGC_27con	HGC_27004	OK	2.53812	2.49501	-0.0247121	0.9854
SIVA1	HGC_27con	HGC_27004	OK	157.293	154.631	-0.0246271	0.9268
PIGF	HGC_27con	HGC_27004	OK	52.3106	51.4257	-0.0246144	0.9664
RNF40	HGC_27con	HGC_27004	OK	18.693	18.3769	-0.0246052	0.9282
GGTA1P	HGC_27con	HGC_27004	NOTEST	0.023	0.02261	-0.024531	1
LINC01412	HGC_27con	HGC_27004	OK	0.73133	0.71901	-0.0245156	0.9063
CSPP1	HGC_27con	HGC_27004	OK	2.95214	2.90244	-0.0244945	0.9394
BPGM	HGC_27con	HGC_27004	OK	7.15333	7.03293	-0.0244892	0.9461
BICD1	HGC_27con	HGC_27004	OK	2.3869	2.34698	-0.0243332	0.9465
ZNF395	HGC_27con	HGC_27004	OK	14.7578	14.5115	-0.0242844	0.9333
SLC25A37	HGC_27con	HGC_27004	OK	14.3995	14.1592	-0.02428	0.9413
PNRC2	HGC_27con	HGC_27004	OK	33.2999	32.7461	-0.0241982	0.9278
ERI3	HGC_27con	HGC_27004	OK	35.2065	34.6211	-0.0241879	0.9322
FAM104B	HGC_27con	HGC_27004	OK	14.0279	13.7953	-0.0241225	0.9471
IFRD2	HGC_27con	HGC_27004	OK	43.4152	42.6969	-0.0240702	0.9276
THOC2	HGC_27con	HGC_27004	OK	12.1506	11.9498	-0.0240365	0.9301
FAM213B	HGC_27con	HGC_27004	OK	10.1971	10.0289	-0.0240018	0.9449
P2RY1	HGC_27con	HGC_27004	OK	4.22436	4.15468	-0.0239974	0.9506
PSPH	HGC_27con	HGC_27004	OK	28.2222	27.7589	-0.0238798	0.9333
FLJ31356	HGC_27con	HGC_27004	NOTEST	0.14783	0.1454	-0.0238608	1
SQLE	HGC_27con	HGC_27004	OK	262.906	258.595	-0.0238558	0.9264
THNSL1	HGC_27con	HGC_27004	OK	5.61034	5.51885	-0.0237212	0.9429
ZNF79	HGC_27con	HGC_27004	OK	1.49075	1.46649	-0.0236723	0.9624
PNPLA4	HGC_27con	HGC_27004	OK	3.44852	3.39247	-0.0236417	0.9499
VANGL2	HGC_27con	HGC_27004	OK	2.23209	2.19583	-0.0236278	0.9553
PSMB5	HGC_27con	HGC_27004	OK	143.578	141.247	-0.0236103	0.9284
RNFT1	HGC_27con	HGC_27004	OK	6.0596	5.9614	-0.0235708	0.949
ST6GAL1	HGC_27con	HGC_27004	NOTEST	0.06571	0.06465	-0.0235684	1
FXYD3	HGC_27con	HGC_27004	NOTEST	0.08935	0.0879	-0.0235439	1
PRR23C	HGC_27con	HGC_27004	NOTEST	0.01851	0.01821	-0.0235373	1
HIPK1	HGC_27con	HGC_27004	OK	10.5867	10.416	-0.0234457	0.9304
SYMPK	HGC_27con	HGC_27004	OK	19.1366	18.8286	-0.023402	0.9293
CHID1	HGC_27con	HGC_27004	OK	21.3775	21.0336	-0.0233995	0.9352
GNAI2	HGC_27con	HGC_27004	OK	38.5523	37.9324	-0.023387	0.9301
ZBED8	HGC_27con	HGC_27004	OK	3.20825	3.15685	-0.023302	0.9545
JUND	HGC_27con	HGC_27004	OK	134.282	132.134	-0.0232703	0.928
ANO10	HGC_27con	HGC_27004	OK	6.12635	6.02838	-0.0232565	0.951
ZNF581	HGC_27con	HGC_27004	OK	20.3488	20.0242	-0.023197	0.9479
PRKCQ-AS1	HGC_27con	HGC_27004	OK	3.96068	3.89754	-0.023183	0.9514
DMRT2	HGC_27con	HGC_27004	OK	1.64658	1.62034	-0.0231743	0.966
CCZ1B	HGC_27con	HGC_27004	OK	4.44076	4.37003	-0.0231635	0.9511
PDCD7	HGC_27con	HGC_27004	OK	12.2248	12.0302	-0.023147	0.9367
TSPYL4	HGC_27con	HGC_27004	OK	4.14492	4.07909	-0.0230951	0.9477
NDUFB9	HGC_27con	HGC_27004	OK	2087.34	2054.2	-0.0230899	0.9309
SLC6A20	HGC_27con	HGC_27004	NOTEST	0.03334	0.03281	-0.0230598	1
HNRNPA1L2	HGC_27con	HGC_27004	OK	3.05045	3.00239	-0.0229085	0.9516
ACTR1B	HGC_27con	HGC_27004	OK	25.2715	24.8742	-0.022863	0.9384
NECAP2	HGC_27con	HGC_27004	OK	9.17575	9.03173	-0.0228247	0.9451
GLUD1P3	HGC_27con	HGC_27004	OK	1.57045	1.54585	-0.0227777	0.9597
NOLC1	HGC_27con	HGC_27004	OK	82.5451	81.2535	-0.0227517	0.9281
C7orf26	HGC_27con	HGC_27004	OK	19.123	18.8247	-0.0226813	0.9405
NR2C1	HGC_27con	HGC_27004	OK	4.57978	4.5088	-0.0225328	0.953
ATP2A1-AS1	HGC_27con	HGC_27004	OK	6.7151	6.61108	-0.0225233	0.9814
TNFAIP1	HGC_27con	HGC_27004	OK	11.4019	11.2257	-0.0224785	0.9699

EIF2D	HGC_27con	HGC_27004	OK	31.0086	30.5297	-0.0224563	0.9363
IWS1	HGC_27con	HGC_27004	OK	11.4913	11.3139	-0.0224482	0.9362
TESK1	HGC_27con	HGC_27004	OK	9.4385	9.29322	-0.0223785	0.9468
OXR1	HGC_27con	HGC_27004	OK	6.91166	6.80561	-0.0223061	0.9491
DHX36	HGC_27con	HGC_27004	OK	13.709	13.4989	-0.0222818	0.9357
MCTS2P	HGC_27con	HGC_27004	OK	11.5475	11.371	-0.0222224	0.9839
PCMTD2	HGC_27con	HGC_27004	OK	10.644	10.4814	-0.0222143	0.9408
ACVR1B	HGC_27con	HGC_27004	OK	6.21275	6.11786	-0.0222061	0.9437
LNPEP	HGC_27con	HGC_27004	OK	4.69488	4.62339	-0.0221364	0.9442
C16orf62	HGC_27con	HGC_27004	OK	7.19981	7.09045	-0.0220817	0.9419
LOC93622	HGC_27con	HGC_27004	OK	11.6729	11.4957	-0.0220748	0.9493
PHC1	HGC_27con	HGC_27004	OK	8.45159	8.32338	-0.0220546	0.9645
LAPTM4B	HGC_27con	HGC_27004	OK	75.6977	74.5495	-0.0220516	0.9313
ATF4	HGC_27con	HGC_27004	OK	553.34	544.963	-0.0220066	0.9302
CITED1	HGC_27con	HGC_27004	OK	6.06062	5.96942	-0.0218726	0.9659
TANC1	HGC_27con	HGC_27004	OK	7.01496	6.90952	-0.0218496	0.9375
SMU1	HGC_27con	HGC_27004	OK	14.4818	14.2642	-0.0218353	0.9355
SIAH3	HGC_27con	HGC_27004	NOTEST	0.00959	0.00944	-0.0218147	1
MTUS1	HGC_27con	HGC_27004	OK	4.72405	4.65332	-0.021765	0.9431
TAS2R5	HGC_27con	HGC_27004	OK	0.46431	0.45738	-0.0217164	0.9426
TBC1D23	HGC_27con	HGC_27004	OK	7.28015	7.17149	-0.0216958	0.9389
TMEM212	HGC_27con	HGC_27004	OK	2.18233	2.14978	-0.0216809	0.9666
TNNT1	HGC_27con	HGC_27004	OK	24.5784	24.2125	-0.021635	0.9424
C7orf55-LUC7L2	HGC_27con	HGC_27004	OK	14.5321	14.3158	-0.0216333	0.9579
SRC	HGC_27con	HGC_27004	OK	2.15562	2.12362	-0.0215768	0.9585
PGGT1B	HGC_27con	HGC_27004	OK	8.91787	8.78588	-0.0215128	0.9474
USP35	HGC_27con	HGC_27004	OK	1.70522	1.68005	-0.0214535	0.9626
OXCT1	HGC_27con	HGC_27004	OK	39.4427	38.8606	-0.0214516	0.9337
SH2B2	HGC_27con	HGC_27004	OK	3.33237	3.28319	-0.0214516	0.9682
ZNF45	HGC_27con	HGC_27004	OK	1.92032	1.89209	-0.0213635	0.9574
LEO1	HGC_27con	HGC_27004	OK	11.9554	11.7803	-0.0212909	0.9402
NCDN	HGC_27con	HGC_27004	OK	16.8827	16.6356	-0.0212704	0.9396
ZNF775	HGC_27con	HGC_27004	OK	6.48418	6.38945	-0.0212328	0.953
MXD3	HGC_27con	HGC_27004	OK	33.7576	33.2683	-0.0210625	0.9611
SLC36A2	HGC_27con	HGC_27004	NOTEST	0.06035	0.05947	-0.0210225	1
NR2C2	HGC_27con	HGC_27004	OK	9.15735	9.0251	-0.0209877	0.9666
ZNF234	HGC_27con	HGC_27004	OK	1.5966	1.57354	-0.0209873	0.9587
EMC6	HGC_27con	HGC_27004	OK	35.9233	35.4069	-0.0208884	0.9687
ABCC1	HGC_27con	HGC_27004	OK	15.4996	15.2778	-0.0207943	0.9412
KLHL6	HGC_27con	HGC_27004	NOTEST	0.00478	0.00471	-0.0207835	1
GPRASP1	HGC_27con	HGC_27004	OK	0.57511	0.56691	-0.0207164	0.9799
PLCB3	HGC_27con	HGC_27004	OK	11.9515	11.7813	-0.0206924	0.9409
NDUFS7	HGC_27con	HGC_27004	OK	243.044	239.589	-0.0206574	0.9402
R3HDM2	HGC_27con	HGC_27004	OK	13.3088	13.1201	-0.0206062	0.9434
CEP170	HGC_27con	HGC_27004	OK	12.8832	12.7008	-0.0205662	0.939
FLG2	HGC_27con	HGC_27004	NOTEST	0.00264	0.0026	-0.0205602	1
UBA5	HGC_27con	HGC_27004	OK	10.321	10.1759	-0.0204313	0.9606
KLLN	HGC_27con	HGC_27004	NOTEST	0.01696	0.01672	-0.0204186	1
TIGD5	HGC_27con	HGC_27004	OK	7.39889	7.2956	-0.0202832	0.9519
IL10	HGC_27con	HGC_27004	NOTEST	0.02458	0.02424	-0.0202824	1
NBPF15	HGC_27con	HGC_27004	OK	3.6385	3.58772	-0.0202745	0.9547
DPF2	HGC_27con	HGC_27004	OK	30.2999	29.8776	-0.0202478	0.9413
UNC79	HGC_27con	HGC_27004	NOTEST	0.04855	0.04787	-0.020172	1
AMMECR1	HGC_27con	HGC_27004	OK	9.86199	9.72554	-0.020101	0.9449

ZNF611	HGC_27con	HGC_27004	OK	0.73551	0.72537	-0.0200319	0.9713
ZNF436	HGC_27con	HGC_27004	OK	2.56115	2.52585	-0.0200246	0.9583
RBM27	HGC_27con	HGC_27004	OK	8.75023	8.6301	-0.0199435	0.9392
MRAS	HGC_27con	HGC_27004	OK	4.42271	4.36204	-0.0199266	0.9507
TMEM107	HGC_27con	HGC_27004	OK	8.7957	8.67509	-0.0199194	0.9593
FBXO41	HGC_27con	HGC_27004	OK	10.4234	10.2809	-0.0198604	0.9376
PITHD1	HGC_27con	HGC_27004	OK	16.4252	16.2018	-0.0197618	0.9493
TSTD3	HGC_27con	HGC_27004	OK	2.19164	2.16198	-0.01966	0.9659
MAGEA12	HGC_27con	HGC_27004	OK	34.7742	34.3043	-0.0196287	0.9446
ERAL1	HGC_27con	HGC_27004	OK	32.14	31.7074	-0.0195502	0.9414
CXCR6	HGC_27con	HGC_27004	NOTEST	0.0209	0.02062	-0.019537	1
FRG1B	HGC_27con	HGC_27004	OK	8.64664	8.53073	-0.0194705	0.9563
RBM14-RBM4	HGC_27con	HGC_27004	OK	26.1381	25.788	-0.0194563	0.9781
LOC101928105	HGC_27con	HGC_27004	NOTEST	0.1063	0.10488	-0.0194561	1
SRGAP1	HGC_27con	HGC_27004	OK	2.27418	2.24371	-0.0194546	0.9536
ANGEL2	HGC_27con	HGC_27004	OK	6.82556	6.73432	-0.0194144	0.9522
CCDC8	HGC_27con	HGC_27004	OK	6.66262	6.57357	-0.0194127	0.9507
ZNF274	HGC_27con	HGC_27004	OK	6.29245	6.20844	-0.0193914	0.9533
FAM160A1	HGC_27con	HGC_27004	OK	0.59195	0.58407	-0.0193366	0.9707
TFDP2	HGC_27con	HGC_27004	OK	3.56065	3.51331	-0.0193081	0.9471
ZC3H11A	HGC_27con	HGC_27004	OK	32.2678	31.8403	-0.0192385	0.941
ZNF765	HGC_27con	HGC_27004	OK	1.20725	1.19128	-0.0192066	0.9666
LYSMD4	HGC_27con	HGC_27004	OK	2.53242	2.49895	-0.0191962	0.9664
C12orf43	HGC_27con	HGC_27004	OK	3.14409	3.10255	-0.0191891	0.9627
SSBP4	HGC_27con	HGC_27004	OK	78.5178	77.4836	-0.0191287	0.9608
MYL5	HGC_27con	HGC_27004	OK	11.4378	11.2873	-0.0191215	0.9662
H1FO	HGC_27con	HGC_27004	OK	140.954	139.102	-0.019075	0.9372
PIK3R3	HGC_27con	HGC_27004	OK	13.017	12.8465	-0.0190228	0.947
PSMD9	HGC_27con	HGC_27004	OK	11.8366	11.6818	-0.0189891	0.953
SRPR	HGC_27con	HGC_27004	OK	52.7048	52.0196	-0.0188791	0.941
RNF215	HGC_27con	HGC_27004	OK	5.54458	5.47268	-0.0188285	0.9668
RNF5P1	HGC_27con	HGC_27004	OK	35.2569	34.8018	-0.0187432	0.9483
ZNF667	HGC_27con	HGC_27004	OK	0.99531	0.98254	-0.0186334	0.9685
ZNF281	HGC_27con	HGC_27004	OK	10.486	10.3517	-0.018598	0.947
KDM4C	HGC_27con	HGC_27004	OK	7.62327	7.5257	-0.0185853	0.9512
NIF3L1	HGC_27con	HGC_27004	OK	14.4597	14.2753	-0.0185146	0.9537
GRAMD4	HGC_27con	HGC_27004	OK	3.69595	3.64897	-0.0184545	0.9556
ANKRD49	HGC_27con	HGC_27004	OK	5.13248	5.06732	-0.018433	0.962
UQCRH	HGC_27con	HGC_27004	OK	294.645	290.907	-0.018419	0.9435
HSCB	HGC_27con	HGC_27004	OK	6.37293	6.29209	-0.0184178	0.9655
CTIF	HGC_27con	HGC_27004	OK	9.74691	9.62356	-0.0183751	0.9479
SMARCA4	HGC_27con	HGC_27004	OK	72.6761	71.7569	-0.0183649	0.9408
AGBL5	HGC_27con	HGC_27004	OK	27.5822	27.2335	-0.0183552	0.9567
TRAM1L1	HGC_27con	HGC_27004	OK	1.92646	1.90211	-0.0183514	0.9693
EEF1B2	HGC_27con	HGC_27004	OK	717.942	708.878	-0.0183297	0.9415
KCNH2	HGC_27con	HGC_27004	OK	25.8681	25.5424	-0.0182777	0.9479
SNORD59B	HGC_27con	HGC_27004	OK	45.8252	45.2484	-0.0182739	0.6671
DNPEP	HGC_27con	HGC_27004	OK	19.6972	19.4497	-0.0182442	0.9503
PXYLP1	HGC_27con	HGC_27004	OK	1.60649	1.58639	-0.0181657	0.9705
SCARNA6	HGC_27con	HGC_27004	OK	0.96145	0.94954	-0.0179782	0.7669
FHAD1	HGC_27con	HGC_27004	NOTEST	0.12985	0.12824	-0.0179575	1
LINC00269	HGC_27con	HGC_27004	NOTEST	0.01661	0.0164	-0.0179401	1
MKNK2	HGC_27con	HGC_27004	OK	83.7549	82.7222	-0.0178995	0.949
RAD9A	HGC_27con	HGC_27004	OK	8.32575	8.22365	-0.0178008	0.9806

SLC35C2	HGC_27con	HGC_27004	OK	17.7826	17.5647	-0.0177827	0.9529
GNG10	HGC_27con	HGC_27004	OK	73.6643	72.7643	-0.017735	0.954
MORF4L2	HGC_27con	HGC_27004	OK	166.408	164.388	-0.01762	0.9426
NSUN5	HGC_27con	HGC_27004	OK	18.1361	17.9161	-0.0176087	0.9523
SAYSD1	HGC_27con	HGC_27004	OK	4.55887	4.50366	-0.0175764	0.9674
TTC32	HGC_27con	HGC_27004	OK	6.79953	6.7173	-0.0175524	0.9736
FER1L6-AS2	HGC_27con	HGC_27004	NOTEST	0.01664	0.01644	-0.0174605	1
ARFRP1	HGC_27con	HGC_27004	OK	8.18168	8.08335	-0.0174436	0.9736
LINC01599	HGC_27con	HGC_27004	NOTEST	0.04035	0.03987	-0.0174066	1
BMS1P5	HGC_27con	HGC_27004	NOTEST	0.21729	0.2147	-0.017346	1
UTP11L	HGC_27con	HGC_27004	OK	34.9498	34.5322	-0.0173392	0.9485
GOSR1	HGC_27con	HGC_27004	OK	12.08	11.9363	-0.0172655	0.9504
APOA1BP	HGC_27con	HGC_27004	OK	69.7643	68.9371	-0.017209	0.9471
ZNF529	HGC_27con	HGC_27004	OK	4.6903	4.63473	-0.0171953	0.9622
TMEM127	HGC_27con	HGC_27004	OK	8.53671	8.43557	-0.0171952	0.9523
LEMD3	HGC_27con	HGC_27004	OK	5.03695	4.9773	-0.0171881	0.9592
RHOB	HGC_27con	HGC_27004	OK	33.3361	32.9419	-0.0171625	0.9516
SCARNA5	HGC_27con	HGC_27004	OK	0.42074	0.41577	-0.0171548	0.6563
EXOSC10	HGC_27con	HGC_27004	OK	22.094	21.833	-0.0171452	0.9502
SUMO1P3	HGC_27con	HGC_27004	NOTEST	0.02398	0.0237	-0.0171075	1
AMZ2P1	HGC_27con	HGC_27004	OK	1.72184	1.70156	-0.0170926	0.9684
HYAL2	HGC_27con	HGC_27004	OK	14.9521	14.7766	-0.0170344	0.9556
PPT2	HGC_27con	HGC_27004	OK	17.2518	17.0496	-0.0170087	0.976
NPFFR2	HGC_27con	HGC_27004	OK	10.8337	10.7069	-0.0169787	0.9585
LOC100506688	HGC_27con	HGC_27004	NOTEST	0.08101	0.08007	-0.0169454	1
ARPC4	HGC_27con	HGC_27004	OK	39.0407	38.585	-0.0169397	0.9678
GAPDH	HGC_27con	HGC_27004	OK	3469.09	3428.61	-0.0169317	0.953
LINC00691	HGC_27con	HGC_27004	NOTEST	0.0118	0.01166	-0.0168507	1
NXF1	HGC_27con	HGC_27004	OK	18.6165	18.4015	-0.0167618	0.9533
EIF1AD	HGC_27con	HGC_27004	OK	6.41414	6.34062	-0.0166308	0.9827
LOC100506472	HGC_27con	HGC_27004	OK	1.35029	1.33483	-0.0166066	0.9849
WWC3	HGC_27con	HGC_27004	OK	3.79863	3.75527	-0.0165618	0.9591
POM121C	HGC_27con	HGC_27004	OK	12.2784	12.1386	-0.0165258	0.9565
DCLRE1C	HGC_27con	HGC_27004	OK	4.17941	4.13183	-0.0165173	0.9569
BRF2	HGC_27con	HGC_27004	OK	10.2469	10.1307	-0.0164513	0.9851
ATP2B3	HGC_27con	HGC_27004	OK	2.88622	2.85351	-0.0164444	0.9614
ZNF114	HGC_27con	HGC_27004	OK	2.16022	2.13575	-0.0164389	0.9713
SSSCA1-AS1	HGC_27con	HGC_27004	OK	1.33686	1.32192	-0.0162157	0.9722
MED13L	HGC_27con	HGC_27004	OK	7.345	7.26329	-0.0161405	0.9534
VEZF1	HGC_27con	HGC_27004	OK	13.6887	13.5364	-0.016132	0.9534
LOC101926911	HGC_27con	HGC_27004	NOTEST	0.13034	0.12889	-0.0161276	1
LINC00539	HGC_27con	HGC_27004	OK	0.38486	0.38062	-0.0160107	0.9152
CLN5	HGC_27con	HGC_27004	OK	9.4124	9.30866	-0.0159897	0.9594
NUDT12	HGC_27con	HGC_27004	OK	6.88619	6.81044	-0.0159575	0.9561
VPS16	HGC_27con	HGC_27004	OK	20.5557	20.3303	-0.0159095	0.973
C15orf40	HGC_27con	HGC_27004	OK	14.193	14.0374	-0.0159036	0.9797
MCU	HGC_27con	HGC_27004	OK	13.2805	13.1353	-0.0158599	0.9572
GTF2IRD1	HGC_27con	HGC_27004	OK	22.4167	22.1727	-0.0157938	0.9526
ANKRD28	HGC_27con	HGC_27004	OK	6.28652	6.21825	-0.0157532	0.9541
RELN	HGC_27con	HGC_27004	NOTEST	0.0055	0.00544	-0.0157414	1
LOC100507291	HGC_27con	HGC_27004	OK	0.67359	0.66629	-0.0157203	0.9736
TRAPPC8	HGC_27con	HGC_27004	OK	7.94613	7.86057	-0.0156191	0.9576
AAGAB	HGC_27con	HGC_27004	OK	13.5754	13.4297	-0.0155651	0.9617
PTPRJ	HGC_27con	HGC_27004	OK	2.05193	2.02992	-0.0155556	0.9698

TJP1	HGC_27con	HGC_27004	OK	17.0979	16.915	-0.0155196	0.9527
PRPF31	HGC_27con	HGC_27004	OK	13.4242	13.2806	-0.015516	0.9608
RPL32P3	HGC_27con	HGC_27004	OK	1.32806	1.31385	-0.0155154	0.9818
EIF4G3	HGC_27con	HGC_27004	OK	11.5203	11.3972	-0.0154922	0.9514
SUN1	HGC_27con	HGC_27004	OK	33.8591	33.4975	-0.0154902	0.9538
THAP9-AS1	HGC_27con	HGC_27004	OK	14.5222	14.3679	-0.0154099	0.9613
ADCY7	HGC_27con	HGC_27004	OK	15.5791	15.4137	-0.0154049	0.9548
TCF7L2	HGC_27con	HGC_27004	OK	2.90794	2.87722	-0.01532	0.9699
LOC100240735	HGC_27con	HGC_27004	OK	0.37362	0.36968	-0.0153194	0.9477
TK1	HGC_27con	HGC_27004	OK	43.4267	42.969	-0.0152888	0.9575
EML2	HGC_27con	HGC_27004	OK	10.505	10.3949	-0.0151953	0.9628
GDF15	HGC_27con	HGC_27004	OK	93.8163	92.8386	-0.0151129	0.9551
POP7	HGC_27con	HGC_27004	OK	38.3446	37.9451	-0.0151105	0.9616
PRDX6	HGC_27con	HGC_27004	OK	127.104	125.78	-0.0151	0.9528
LOC285819	HGC_27con	HGC_27004	OK	0.39206	0.38798	-0.0150974	0.9897
MT2A	HGC_27con	HGC_27004	OK	670.213	663.261	-0.0150441	0.9553
ITGB1	HGC_27con	HGC_27004	OK	102.739	101.674	-0.0150308	0.9526
C12orf4	HGC_27con	HGC_27004	OK	3.9022	3.86181	-0.0150089	0.9643
FAM161B	HGC_27con	HGC_27004	OK	1.74191	1.72391	-0.0149893	0.9798
GSTP1	HGC_27con	HGC_27004	OK	331.199	327.779	-0.0149726	0.952
PCDHB9	HGC_27con	HGC_27004	OK	0.48373	0.47874	-0.0149683	0.9827
RAB40B	HGC_27con	HGC_27004	OK	5.57822	5.52077	-0.0149354	0.9729
DMAP1	HGC_27con	HGC_27004	OK	15.3049	15.1476	-0.0149059	0.9615
S100A11	HGC_27con	HGC_27004	OK	265.507	262.786	-0.0148606	0.9544
THAP2	HGC_27con	HGC_27004	OK	0.94552	0.93585	-0.0148359	0.9879
NBN	HGC_27con	HGC_27004	OK	11.3	11.1845	-0.0148328	0.9565
BRWD3	HGC_27con	HGC_27004	OK	5.42148	5.36626	-0.014768	0.9549
SLIRP	HGC_27con	HGC_27004	OK	270.533	267.791	-0.0146964	0.9567
WDR55	HGC_27con	HGC_27004	OK	10.0442	9.94259	-0.0146658	0.9667
ZNF490	HGC_27con	HGC_27004	OK	1.33643	1.32296	-0.0146166	0.9728
MAGEB10	HGC_27con	HGC_27004	NOTEST	0.01573	0.01557	-0.0145542	1
UQCC3	HGC_27con	HGC_27004	OK	13.2567	13.1237	-0.0145489	0.9779
AFG3L1P	HGC_27con	HGC_27004	OK	3.3917	3.3577	-0.0145344	0.9771
CDK5RAP2	HGC_27con	HGC_27004	OK	13.3229	13.1896	-0.0145117	0.957
USP25	HGC_27con	HGC_27004	OK	13.5702	13.4344	-0.0145117	0.9596
LOC101928324	HGC_27con	HGC_27004	OK	0.48149	0.47668	-0.0144926	0.8902
MMAA	HGC_27con	HGC_27004	OK	0.46509	0.46045	-0.0144672	0.9856
YIPF2	HGC_27con	HGC_27004	OK	31.2041	30.8936	-0.0144259	0.9809
BCL2	HGC_27con	HGC_27004	OK	2.97614	2.94661	-0.0143883	0.9676
C14orf142	HGC_27con	HGC_27004	OK	10.2206	10.1194	-0.0143662	0.9835
ZADH2	HGC_27con	HGC_27004	OK	4.75973	4.71274	-0.0143134	0.9622
BCLAF1	HGC_27con	HGC_27004	OK	12.3786	12.2567	-0.0142683	0.9553
RUFY4	HGC_27con	HGC_27004	OK	0.383	0.37925	-0.0142135	0.9816
NPRL3	HGC_27con	HGC_27004	OK	29.5559	29.2661	-0.0142127	0.9692
INTS12	HGC_27con	HGC_27004	OK	10.7835	10.6778	-0.0142078	0.9653
POLR2K	HGC_27con	HGC_27004	OK	19.1132	18.927	-0.0141217	0.9677
SMYD4	HGC_27con	HGC_27004	OK	2.89665	2.86863	-0.0140239	0.9683
ELF3	HGC_27con	HGC_27004	NOTEST	0.02964	0.02935	-0.0139897	1
AASDHPPT	HGC_27con	HGC_27004	OK	30.5466	30.2544	-0.0138663	0.9584
C1orf54	HGC_27con	HGC_27004	OK	25.7902	25.5447	-0.0137982	0.9718
PUM1	HGC_27con	HGC_27004	OK	12.7221	12.601	-0.0137943	0.9585
TMEM123	HGC_27con	HGC_27004	OK	64.4435	63.8323	-0.0137464	0.9554
SIRPG-AS1	HGC_27con	HGC_27004	NOTEST	0.07328	0.07258	-0.0137301	1
FDPS	HGC_27con	HGC_27004	OK	94.9507	94.0573	-0.0136399	0.9663

BCORL1	HGC_27con	HGC_27004	OK	3.60115	3.56728	-0.0136328	0.9632
BET1L	HGC_27con	HGC_27004	OK	24.5604	24.3304	-0.0135755	0.9626
R3HDM4	HGC_27con	HGC_27004	OK	52.0245	51.5465	-0.0133169	0.9607
A1BG-AS1	HGC_27con	HGC_27004	OK	0.36966	0.36628	-0.0132267	0.9804
MBD2	HGC_27con	HGC_27004	OK	13.026	12.9084	-0.0130756	0.9614
UHMK1	HGC_27con	HGC_27004	OK	13.2529	13.1341	-0.0129977	0.9619
SKP1	HGC_27con	HGC_27004	OK	72.9071	72.2556	-0.0129497	0.9623
LOC100505912	HGC_27con	HGC_27004	NOTEST	0.2132	0.2113	-0.0129169	1
ZNF215	HGC_27con	HGC_27004	OK	1.91863	1.90156	-0.0128932	0.9766
RPS19BP1	HGC_27con	HGC_27004	OK	39.7906	39.4372	-0.0128697	0.9648
ZNF496	HGC_27con	HGC_27004	OK	13.9848	13.8621	-0.0127152	0.9645
GATAD2B	HGC_27con	HGC_27004	OK	9.79897	9.71345	-0.0126458	0.9612
KLHDC3	HGC_27con	HGC_27004	OK	46.9509	46.5417	-0.0126288	0.9622
PRLR	HGC_27con	HGC_27004	NOTEST	0.20883	0.20702	-0.012534	1
CERS5	HGC_27con	HGC_27004	OK	11.9855	11.882	-0.0125139	0.9692
MRAP2	HGC_27con	HGC_27004	NOTEST	0.01589	0.01576	-0.0125114	1
SLC2A14	HGC_27con	HGC_27004	NOTEST	0.04403	0.04365	-0.0124993	1
CSNK2B	HGC_27con	HGC_27004	OK	122.821	121.764	-0.0124688	0.9656
GPC5	HGC_27con	HGC_27004	NOTEST	0.01093	0.01084	-0.0124512	1
TMEM138	HGC_27con	HGC_27004	OK	11.6346	11.5353	-0.0123718	0.9917
FANCE	HGC_27con	HGC_27004	OK	18.7549	18.5957	-0.0122943	0.9652
BMP7	HGC_27con	HGC_27004	OK	9.75733	9.67522	-0.0121926	0.9675
CCNF	HGC_27con	HGC_27004	OK	9.5476	9.46742	-0.0121671	0.9673
ACKR2	HGC_27con	HGC_27004	NOTEST	0.04569	0.0453	-0.0121454	1
PCBP4	HGC_27con	HGC_27004	OK	12.6105	12.5049	-0.0121389	0.9688
VAMP2	HGC_27con	HGC_27004	OK	19.2726	19.1117	-0.0120978	0.9687
FOXO3	HGC_27con	HGC_27004	OK	3.55632	3.52663	-0.0120948	0.9697
WNT7B	HGC_27con	HGC_27004	NOTEST	0.1471	0.14588	-0.012073	1
LRRC47	HGC_27con	HGC_27004	OK	21.0632	20.8878	-0.0120644	0.9673
RGL4	HGC_27con	HGC_27004	OK	2.70295	2.68044	-0.0120639	0.9825
MAPK14	HGC_27con	HGC_27004	OK	12.9758	12.8678	-0.0120609	0.9679
FDXACB1	HGC_27con	HGC_27004	OK	1.33461	1.32351	-0.0120529	0.9865
SCN3B	HGC_27con	HGC_27004	NOTEST	0.0378	0.03748	-0.0120523	1
UNKL	HGC_27con	HGC_27004	OK	6.98925	6.93121	-0.0120305	0.9765
EWSR1	HGC_27con	HGC_27004	OK	72.1672	71.575	-0.0118865	0.9631
ESRRA	HGC_27con	HGC_27004	OK	35.6828	35.3914	-0.0118301	0.9739
REXO4	HGC_27con	HGC_27004	OK	11.2475	11.1571	-0.0116404	0.989
SCAMP3	HGC_27con	HGC_27004	OK	53.6387	53.2108	-0.0115532	0.9651
LINC01347	HGC_27con	HGC_27004	OK	1.81897	1.80448	-0.0115366	0.9775
MAGEA3	HGC_27con	HGC_27004	OK	31.3655	31.1174	-0.0114571	0.966
KLHL36	HGC_27con	HGC_27004	OK	3.89949	3.86865	-0.0114531	0.9692
SIGMAR1	HGC_27con	HGC_27004	OK	97.5564	96.79	-0.0113793	0.9642
EDRF1-AS1	HGC_27con	HGC_27004	OK	0.72937	0.72367	-0.0113176	0.559
CDC42	HGC_27con	HGC_27004	OK	52.3939	51.9847	-0.0113109	0.9655
CUL7	HGC_27con	HGC_27004	OK	11.4411	11.3525	-0.0112146	0.9671
RNF10	HGC_27con	HGC_27004	OK	24.49	24.3008	-0.0111889	0.9667
GOLGA6L10	HGC_27con	HGC_27004	NOTEST	0.19449	0.19299	-0.011166	1
CHIC1	HGC_27con	HGC_27004	OK	2.65958	2.6392	-0.0110983	0.9724
COG7	HGC_27con	HGC_27004	OK	8.21745	8.15448	-0.0110983	0.9729
TP73	HGC_27con	HGC_27004	OK	0.88213	0.87541	-0.01103	0.9876
SNHG19	HGC_27con	HGC_27004	OK	103.901	103.113	-0.010984	0.9744
ERC2-IT1	HGC_27con	HGC_27004	NOTEST	0.02485	0.02466	-0.0109043	1
LOC101929719	HGC_27con	HGC_27004	NOTEST	0.10644	0.10564	-0.0107913	1
FARP1	HGC_27con	HGC_27004	OK	20.6559	20.5029	-0.0107253	0.967

BLVRB	HGC_27con	HGC_27004	OK	80.278	79.6878	-0.0106457	0.9682
TAB1	HGC_27con	HGC_27004	OK	9.9103	9.83791	-0.010577	0.9708
DSCR3	HGC_27con	HGC_27004	OK	17.4502	17.3232	-0.0105369	0.9704
FBXL7	HGC_27con	HGC_27004	OK	5.26619	5.22796	-0.0105115	0.9725
PHC3	HGC_27con	HGC_27004	OK	4.79358	4.75896	-0.0104575	0.9686
SLC35A2	HGC_27con	HGC_27004	OK	7.60094	7.54659	-0.0103537	0.9769
SUMO1	HGC_27con	HGC_27004	OK	48.994	48.6439	-0.0103471	0.9698
NDUFV2	HGC_27con	HGC_27004	OK	68.903	68.4149	-0.0102558	0.97
GRIK1	HGC_27con	HGC_27004	NOTEST	0.03517	0.03492	-0.0101842	1
CEBPZOS	HGC_27con	HGC_27004	OK	19.6639	19.5264	-0.0101248	0.9812
USP54	HGC_27con	HGC_27004	OK	4.44184	4.41102	-0.0100446	0.9817
PMVK	HGC_27con	HGC_27004	OK	30.1261	29.9178	-0.0100088	0.9704
UGT3A2	HGC_27con	HGC_27004	NOTEST	0.02204	0.02189	-0.00997517	1
MGC16142	HGC_27con	HGC_27004	OK	0.37513	0.37254	-0.00997476	0.955
TRABD	HGC_27con	HGC_27004	OK	41.5081	41.2234	-0.0099313	0.9703
PHF21A	HGC_27con	HGC_27004	OK	6.28092	6.23787	-0.00992198	0.9708
CD276	HGC_27con	HGC_27004	OK	35.8354	35.5908	-0.00988264	0.9718
TOP3B	HGC_27con	HGC_27004	OK	9.26801	9.20531	-0.00979269	0.9744
ANKRD13D	HGC_27con	HGC_27004	OK	6.97315	6.9264	-0.00970576	0.9775
HDAC3	HGC_27con	HGC_27004	OK	27.7442	27.5583	-0.00969839	0.974
UNK	HGC_27con	HGC_27004	OK	15.0387	14.9382	-0.00967498	0.9766
ARHGAP6	HGC_27con	HGC_27004	NOTEST	0.273	0.27117	-0.00967214	1
LOC102724467	HGC_27con	HGC_27004	OK	2.00019	1.98683	-0.00966352	0.9782
CHD4	HGC_27con	HGC_27004	OK	69.6629	69.2029	-0.00955852	0.9671
RABL2B	HGC_27con	HGC_27004	OK	4.97485	4.94209	-0.00953086	0.9809
BRD3	HGC_27con	HGC_27004	OK	10.2467	10.1795	-0.00949542	0.9759
CAPN2	HGC_27con	HGC_27004	OK	22.4191	22.2723	-0.00947903	0.9716
NAPG	HGC_27con	HGC_27004	OK	7.19837	7.15144	-0.00943672	0.976
PKD1P1	HGC_27con	HGC_27004	OK	21.8561	21.7138	-0.00942755	0.9714
GMPR2	HGC_27con	HGC_27004	OK	34.9817	34.7542	-0.00941074	0.9715
ZNF569	HGC_27con	HGC_27004	OK	0.77593	0.77089	-0.00939416	0.9899
NT5C2	HGC_27con	HGC_27004	OK	17.8513	17.7355	-0.00939041	0.9722
MUSTN1	HGC_27con	HGC_27004	OK	0.48697	0.48384	-0.00932725	0.5111
SLC25A3	HGC_27con	HGC_27004	OK	349.815	347.564	-0.0093149	0.9682
LOC101927415	HGC_27con	HGC_27004	OK	0.42092	0.41822	-0.00928516	0.9621
PCYT1A	HGC_27con	HGC_27004	OK	11.3187	11.2464	-0.0092419	0.9781
HSF1	HGC_27con	HGC_27004	OK	31.2565	31.0578	-0.00919856	0.9719
LOC100506990	HGC_27con	HGC_27004	OK	4.99958	4.96785	-0.00918434	0.9809
DGUOK	HGC_27con	HGC_27004	OK	60.8939	60.5079	-0.00917334	0.9734
IRAK1	HGC_27con	HGC_27004	NOTEST	0.29186	0.29001	-0.0091603	1
TBX2	HGC_27con	HGC_27004	NOTEST	0.15076	0.14981	-0.00915666	1
CDC123	HGC_27con	HGC_27004	OK	85.5075	84.967	-0.00914819	0.9785
AK3	HGC_27con	HGC_27004	OK	25.4718	25.3123	-0.00906239	0.9738
C21orf91	HGC_27con	HGC_27004	OK	6.68575	6.64396	-0.00904682	0.9759
ZFAS1	HGC_27con	HGC_27004	OK	576.821	573.217	-0.00904309	0.9744
RAB3A	HGC_27con	HGC_27004	OK	3.66049	3.63795	-0.0089112	0.9891
PCNA-AS1	HGC_27con	HGC_27004	OK	126.818	126.039	-0.00889291	0.9863
CGREF1	HGC_27con	HGC_27004	OK	10.0777	10.0159	-0.00887736	0.9834
SEP15	HGC_27con	HGC_27004	OK	69.7313	69.3043	-0.00886133	0.9735
C6orf106	HGC_27con	HGC_27004	OK	19.7217	19.6014	-0.008828	0.9727
EPB41L2	HGC_27con	HGC_27004	OK	12.2632	12.1885	-0.00880972	0.9744
CD151	HGC_27con	HGC_27004	OK	91.8755	91.3168	-0.00879994	0.9726
PRKD3	HGC_27con	HGC_27004	OK	56.5084	56.1651	-0.00879132	0.9717
NHP2L1	HGC_27con	HGC_27004	OK	74.0067	73.5577	-0.0087807	0.9736

COPB2	HGC_27con	HGC_27004	OK	31.633	31.4432	-0.00868328	0.974
GPATCH4	HGC_27con	HGC_27004	OK	14.5458	14.4592	-0.00861473	0.9761
LOC100507639	HGC_27con	HGC_27004	NOTEST	0.03198	0.03179	-0.00853771	1
COPRS	HGC_27con	HGC_27004	OK	40.8628	40.6225	-0.00850883	0.9788
PSTPIP2	HGC_27con	HGC_27004	OK	2.20677	2.19385	-0.00846781	0.9813
PHPT1	HGC_27con	HGC_27004	OK	41.0977	40.8579	-0.00844358	0.9768
SPATC1L	HGC_27con	HGC_27004	OK	25.1607	25.0152	-0.00837157	0.9802
TSSK6	HGC_27con	HGC_27004	OK	6.84615	6.80711	-0.0082512	0.9854
LOC100288069	HGC_27con	HGC_27004	OK	4.93603	4.90789	-0.00824809	0.9848
USP48	HGC_27con	HGC_27004	OK	12.1363	12.0683	-0.00811022	0.9778
APOA1-AS	HGC_27con	HGC_27004	NOTEST	0.22819	0.22693	-0.00797303	1
A1BG	HGC_27con	HGC_27004	OK	1.48982	1.48164	-0.00794167	0.9872
RAB38	HGC_27con	HGC_27004	NOTEST	0.19778	0.19671	-0.00786869	1
NOP9	HGC_27con	HGC_27004	OK	3.41608	3.39761	-0.00782124	0.9861
RAC1	HGC_27con	HGC_27004	OK	164.292	163.404	-0.00781875	0.9731
TMEM184C	HGC_27con	HGC_27004	OK	8.82453	8.77704	-0.00778437	0.9796
CHN2	HGC_27con	HGC_27004	OK	2.78282	2.76797	-0.00771617	0.983
HDGF	HGC_27con	HGC_27004	OK	70.4548	70.0796	-0.00770412	0.977
FAM110C	HGC_27con	HGC_27004	NOTEST	0.03665	0.03646	-0.00770304	1
UBTF	HGC_27con	HGC_27004	OK	27.4911	27.3457	-0.0076488	0.9755
FAM13A	HGC_27con	HGC_27004	OK	5.47833	5.45021	-0.00742422	0.9786
U2AF2	HGC_27con	HGC_27004	OK	41.7823	41.5733	-0.00723297	0.9804
SUMO3	HGC_27con	HGC_27004	OK	45.7338	45.5077	-0.00714793	0.9805
FBXO38	HGC_27con	HGC_27004	OK	5.54313	5.51586	-0.00711326	0.9788
DEDD	HGC_27con	HGC_27004	OK	16.2894	16.2102	-0.00703657	0.9883
HNRNPCL4	HGC_27con	HGC_27004	NOTEST	0.03255	0.03239	-0.00703454	1
B4GALT4	HGC_27con	HGC_27004	OK	3.1647	3.14941	-0.00698451	0.985
SLX4	HGC_27con	HGC_27004	OK	2.20733	2.19669	-0.0069658	0.9821
KATNBL1	HGC_27con	HGC_27004	OK	10.8135	10.7621	-0.00686637	0.9813
AUTS2	HGC_27con	HGC_27004	OK	7.13988	7.10623	-0.00681482	0.9816
NAPEPLD	HGC_27con	HGC_27004	OK	3.69769	3.68032	-0.00679525	0.9885
ZFYVE21	HGC_27con	HGC_27004	OK	24.3813	24.267	-0.00677889	0.9812
STK38L	HGC_27con	HGC_27004	OK	13.2878	13.2257	-0.0067584	0.9806
FXR1	HGC_27con	HGC_27004	OK	16.3268	16.2506	-0.00675373	0.9802
TRIM56	HGC_27con	HGC_27004	OK	5.84493	5.8177	-0.00673613	0.9814
LCMT1-AS2	HGC_27con	HGC_27004	NOTEST	0.01111	0.01106	-0.00671939	1
TOMM22	HGC_27con	HGC_27004	OK	56.5256	56.2639	-0.00669555	0.9813
LZTS2	HGC_27con	HGC_27004	OK	78.8953	78.53	-0.00669553	0.9802
C9orf156	HGC_27con	HGC_27004	OK	9.88129	9.83605	-0.00662126	0.984
AKR1C3	HGC_27con	HGC_27004	NOTEST	0.10152	0.10106	-0.00653689	1
HSPA9	HGC_27con	HGC_27004	OK	235.575	234.512	-0.00652328	0.9795
ELAC2	HGC_27con	HGC_27004	OK	20.8531	20.7604	-0.0064302	0.9799
SALL2	HGC_27con	HGC_27004	OK	4.07193	4.05389	-0.00640571	0.9874
CTR9	HGC_27con	HGC_27004	OK	9.98946	9.94521	-0.00640475	0.9801
TPRG1-AS2	HGC_27con	HGC_27004	NOTEST	0.20178	0.20088	-0.00638864	1
CCDC28B	HGC_27con	HGC_27004	OK	5.47624	5.45254	-0.00625896	0.9875
CRHR1-IT1	HGC_27con	HGC_27004	OK	1.94143	1.93305	-0.0062362	0.9938
GTF2IRD2	HGC_27con	HGC_27004	OK	10.2814	10.2379	-0.00612017	0.9899
ITPA	HGC_27con	HGC_27004	OK	43.598	43.4139	-0.00610605	0.9835
SIRPA	HGC_27con	HGC_27004	OK	5.28361	5.26154	-0.00603934	0.985
TBC1D32	HGC_27con	HGC_27004	OK	2.71934	2.70801	-0.00602301	0.9862
EMID1	HGC_27con	HGC_27004	OK	3.86715	3.85124	-0.00594651	0.9893
TCAP	HGC_27con	HGC_27004	OK	0.67166	0.66891	-0.00592741	0.9596
ZFP69	HGC_27con	HGC_27004	OK	3.95551	3.93931	-0.00592312	0.9845

SMG6	HGC_27con	HGC_27004	OK	3.76481	3.74941	-0.00591674	0.987
CKAP4	HGC_27con	HGC_27004	OK	41.4691	41.3024	-0.00581106	0.9817
ARPC5	HGC_27con	HGC_27004	OK	63.7283	63.474	-0.00576893	0.983
ZNF717	HGC_27con	HGC_27004	OK	4.88435	4.8649	-0.00575574	0.9913
SF3B4	HGC_27con	HGC_27004	OK	49.3226	49.1326	-0.00556698	0.9847
LASP1	HGC_27con	HGC_27004	OK	46.7633	46.5856	-0.00549393	0.9829
FNDC3B	HGC_27con	HGC_27004	OK	9.15038	9.11583	-0.00545743	0.9831
CD9	HGC_27con	HGC_27004	OK	23.0948	23.0083	-0.00541853	0.9867
RASSF5	HGC_27con	HGC_27004	NOTEST	0.20165	0.20089	-0.00541714	1
RBMS1	HGC_27con	HGC_27004	OK	9.07835	9.04441	-0.00540422	0.9849
AVPR2	HGC_27con	HGC_27004	NOTEST	0.22017	0.21935	-0.00533997	1
B4GALT1	HGC_27con	HGC_27004	OK	39.9554	39.8087	-0.00530454	0.9841
NBPF20	HGC_27con	HGC_27004	NOTEST	0.00115	0.00114	-0.00530434	1
KIAA1211L	HGC_27con	HGC_27004	OK	2.99689	2.98611	-0.00520203	0.9861
XPNPEP1	HGC_27con	HGC_27004	OK	13.9497	13.8999	-0.00515965	0.9859
ADH6	HGC_27con	HGC_27004	NOTEST	0.02315	0.02306	-0.00513584	1
HIP1	HGC_27con	HGC_27004	OK	11.1395	11.1009	-0.00500957	0.9838
MED19	HGC_27con	HGC_27004	OK	8.01339	7.98616	-0.00490968	0.9879
STC2	HGC_27con	HGC_27004	OK	14.8833	14.833	-0.00488674	0.9845
COL6A6	HGC_27con	HGC_27004	NOTEST	0.00306	0.00305	-0.00487722	1
EIF2B2	HGC_27con	HGC_27004	OK	34.2756	34.1611	-0.00482517	0.9856
LOC101927854	HGC_27con	HGC_27004	NOTEST	0.05409	0.05391	-0.00481547	1
FOXK1	HGC_27con	HGC_27004	OK	6.92759	6.90455	-0.00480613	0.987
VAC14	HGC_27con	HGC_27004	OK	15.6182	15.5666	-0.00477347	0.9861
C19orf24	HGC_27con	HGC_27004	OK	61.5219	61.3204	-0.00473306	0.9859
C4orf29	HGC_27con	HGC_27004	OK	2.11308	2.1063	-0.00463264	0.9932
EIF2B5	HGC_27con	HGC_27004	OK	11.328	11.292	-0.00459427	0.9873
CLIC4	HGC_27con	HGC_27004	OK	74.1492	73.9165	-0.00453547	0.9862
DCAKD	HGC_27con	HGC_27004	OK	25.0848	25.0069	-0.00448772	0.9877
RPL19P12	HGC_27con	HGC_27004	NOTEST	0.03269	0.03259	-0.00441321	1
NHP2	HGC_27con	HGC_27004	OK	182.544	181.987	-0.00440189	0.9857
FBXO16	HGC_27con	HGC_27004	OK	4.54564	4.53187	-0.00437553	0.9922
GUCD1	HGC_27con	HGC_27004	OK	19.0723	19.0148	-0.00435061	0.9923
KIAA1143	HGC_27con	HGC_27004	OK	6.21531	6.1966	-0.00434874	0.9891
ESYT2	HGC_27con	HGC_27004	OK	15.469	15.4225	-0.00434771	0.9862
LINC00330	HGC_27con	HGC_27004	NOTEST	0.01384	0.0138	-0.00421914	1
PSMA3	HGC_27con	HGC_27004	OK	97.9428	97.6615	-0.0041488	0.9884
C4orf3	HGC_27con	HGC_27004	OK	7.89876	7.87624	-0.00411917	0.9911
FAF2	HGC_27con	HGC_27004	OK	25.3172	25.2451	-0.00411519	0.9867
DAXX	HGC_27con	HGC_27004	OK	18.082	18.0308	-0.00409791	0.9876
ZNF891	HGC_27con	HGC_27004	OK	1.09218	1.08908	-0.00409379	0.9869
MICAL3	HGC_27con	HGC_27004	OK	6.40463	6.38658	-0.0040706	0.9882
PRKAG2	HGC_27con	HGC_27004	OK	4.05967	4.04831	-0.004042	0.9922
MARCH9	HGC_27con	HGC_27004	OK	4.03849	4.02745	-0.00394823	0.9944
TRUB2	HGC_27con	HGC_27004	OK	21.9756	21.9169	-0.00386129	0.9898
XRCC1	HGC_27con	HGC_27004	OK	15.0773	15.0371	-0.00385397	0.9904
PLEKHB2	HGC_27con	HGC_27004	OK	16.6642	16.6203	-0.00380686	0.9886
JUN	HGC_27con	HGC_27004	OK	12.6839	12.6512	-0.00372047	0.989
KDM4A	HGC_27con	HGC_27004	OK	30.9091	30.8334	-0.00354028	0.9901
STAG3L2	HGC_27con	HGC_27004	OK	6.42841	6.41272	-0.0035242	0.9939
ASB7	HGC_27con	HGC_27004	OK	4.6544	4.64325	-0.00346194	0.9915
PTGR1	HGC_27con	HGC_27004	NOTEST	0.02751	0.02744	-0.00342359	1
CTBP1	HGC_27con	HGC_27004	OK	54.1347	54.0065	-0.00342049	0.9879
SND1-IT1	HGC_27con	HGC_27004	OK	0.46128	0.4602	-0.00339156	0.9281

STK3	HGC_27con	HGC_27004	OK	5.92616	5.91238	-0.00335765	0.9915
C2-AS1	HGC_27con	HGC_27004	NOTEST	0.04244	0.04235	-0.0032643	1
FAM32A	HGC_27con	HGC_27004	OK	46.5417	46.437	-0.00324766	0.9892
MIRLET7D	HGC_27con	HGC_27004	OK	15.844	15.8085	-0.00323177	0.6113
OVCA2	HGC_27con	HGC_27004	OK	23.0166	22.9661	-0.00317273	0.9945
LINC00657	HGC_27con	HGC_27004	OK	47.1511	47.048	-0.00315502	0.9896
DDX28	HGC_27con	HGC_27004	OK	7.91903	7.90186	-0.00313162	0.9923
RPL36A-HNRNPH2	HGC_27con	HGC_27004	OK	28.5677	28.5059	-0.00312146	0.9957
DHCR7	HGC_27con	HGC_27004	OK	37.4779	37.3974	-0.00310052	0.9913
FOXH1	HGC_27con	HGC_27004	OK	3.15868	3.15195	-0.00307896	0.995
CCND1	HGC_27con	HGC_27004	OK	60.5785	60.4499	-0.00306589	0.9901
TMEM65	HGC_27con	HGC_27004	OK	117.769	117.525	-0.00298427	0.9919
LRIG1	HGC_27con	HGC_27004	OK	7.86806	7.8521	-0.00293084	0.9922
KRCC1	HGC_27con	HGC_27004	OK	12.6266	12.6011	-0.00291556	0.9906
MRPL10	HGC_27con	HGC_27004	OK	51.1586	51.0582	-0.0028342	0.9915
FAM46C	HGC_27con	HGC_27004	NOTEST	0.04189	0.04181	-0.00282227	1
ZBED3	HGC_27con	HGC_27004	OK	19.4592	19.422	-0.00275655	0.9943
ABCC6	HGC_27con	HGC_27004	OK	1.19783	1.19558	-0.0027139	0.9969
SPG21	HGC_27con	HGC_27004	OK	65.6764	65.5533	-0.00270657	0.9918
CDC42BPB	HGC_27con	HGC_27004	OK	21.3362	21.2964	-0.00269896	0.9913
CDH11	HGC_27con	HGC_27004	NOTEST	0.00468	0.00468	-0.00268925	1
UBOX5	HGC_27con	HGC_27004	OK	1.82651	1.82311	-0.00268704	0.9957
MTIF2	HGC_27con	HGC_27004	OK	30.8348	30.778	-0.00266037	0.9908
TTC1	HGC_27con	HGC_27004	OK	16.2106	16.1809	-0.00264705	0.9928
CDHR2	HGC_27con	HGC_27004	NOTEST	0.19383	0.19349	-0.0025406	1
DDX56	HGC_27con	HGC_27004	OK	45.1496	45.0708	-0.00252155	0.9917
BBS2	HGC_27con	HGC_27004	OK	46.5511	46.4708	-0.002491	0.9921
ABCC5	HGC_27con	HGC_27004	OK	5.80535	5.79538	-0.00248061	0.9945
ZNF404	HGC_27con	HGC_27004	OK	0.77935	0.77807	-0.00238295	0.9814
VCP	HGC_27con	HGC_27004	OK	98.6365	98.4791	-0.0023036	0.9929
BEST1	HGC_27con	HGC_27004	OK	2.40297	2.3992	-0.00226733	0.9989
GOT1	HGC_27con	HGC_27004	OK	74.8659	74.7511	-0.00221381	0.9926
GADD45GIP1	HGC_27con	HGC_27004	OK	152.065	151.832	-0.00220582	0.9926
FASTK	HGC_27con	HGC_27004	OK	54.3653	54.2831	-0.00218095	0.9939
GRWD1	HGC_27con	HGC_27004	OK	14.5887	14.5666	-0.00218069	0.9924
YLPM1	HGC_27con	HGC_27004	OK	12.9968	12.9775	-0.00214714	0.9923
PTDSS2	HGC_27con	HGC_27004	OK	17.4635	17.4378	-0.00212406	0.9945
AGPAT4	HGC_27con	HGC_27004	OK	0.96828	0.9669	-0.00205033	0.9943
MEX3D	HGC_27con	HGC_27004	OK	38.9759	38.9205	-0.00205022	0.9933
MCM3AP	HGC_27con	HGC_27004	OK	17.2252	17.2008	-0.0020373	0.9941
RAP1A	HGC_27con	HGC_27004	OK	7.95725	7.94613	-0.00201869	0.9937
PARP15	HGC_27con	HGC_27004	OK	2.15645	2.15348	-0.0019903	0.9944
TEX22	HGC_27con	HGC_27004	OK	1.97965	1.97694	-0.00197631	0.9917
ESYT1	HGC_27con	HGC_27004	OK	41.4834	41.4287	-0.00190178	0.9938
PRPF4B	HGC_27con	HGC_27004	OK	12.1482	12.1325	-0.00186723	0.9934
DET1	HGC_27con	HGC_27004	OK	4.14463	4.13929	-0.00185816	0.9966
DNAJC21	HGC_27con	HGC_27004	OK	7.12754	7.11847	-0.00183828	0.9943
RSAD1	HGC_27con	HGC_27004	OK	21.8157	21.788	-0.00183348	0.9949
NUDT9	HGC_27con	HGC_27004	OK	8.49671	8.4862	-0.00178649	0.9947
FIRRE	HGC_27con	HGC_27004	NOTEST	0.02081	0.02079	-0.00172494	1
MRPS11	HGC_27con	HGC_27004	OK	19.9816	19.9578	-0.00171703	0.9952
TBC1D7	HGC_27con	HGC_27004	OK	22.1042	22.0783	-0.00169243	0.995
TXNDC11	HGC_27con	HGC_27004	OK	12.4884	12.4738	-0.00168674	0.9952
CNTN5	HGC_27con	HGC_27004	OK	0.68095	0.68016	-0.00167144	0.9967

MFAP1	HGC_27con	HGC_27004	OK	13.0361	13.021	-0.00166577	0.9937
LOC100507506	HGC_27con	HGC_27004	NOTEST	0.04465	0.04459	-0.00164721	1
NDUFV1	HGC_27con	HGC_27004	OK	123.884	123.743	-0.00164498	0.9948
SELT	HGC_27con	HGC_27004	OK	7.84288	7.834	-0.00163471	0.9971
PRPF38A	HGC_27con	HGC_27004	OK	16.2636	16.2453	-0.0016324	0.9948
RNF222	HGC_27con	HGC_27004	NOTEST	0.143	0.14284	-0.0015994	1
OR56B4	HGC_27con	HGC_27004	NOTEST	0.05062	0.05056	-0.00159044	1
ERP29	HGC_27con	HGC_27004	OK	72.0428	71.9641	-0.00157804	0.9949
RAPGEF6	HGC_27con	HGC_27004	OK	3.41746	3.41415	-0.00139807	0.9954
SLCO4A1	HGC_27con	HGC_27004	OK	3.18791	3.18487	-0.00137696	0.9935
BTBD9	HGC_27con	HGC_27004	OK	2.10849	2.10654	-0.00133902	0.9959
SH3BP5	HGC_27con	HGC_27004	OK	6.52664	6.52088	-0.00127336	0.9971
SDHA	HGC_27con	HGC_27004	OK	37.2224	37.1901	-0.0012508	0.9953
ABHD13	HGC_27con	HGC_27004	OK	2.55088	2.5487	-0.00123283	0.9953
CABIN1	HGC_27con	HGC_27004	OK	11.0755	11.0664	-0.00118838	0.9958
MLST8	HGC_27con	HGC_27004	OK	51.9337	51.8911	-0.00118347	0.9967
C1orf162	HGC_27con	HGC_27004	NOTEST	0.05059	0.05055	-0.0011533	1
LOC101927151	HGC_27con	HGC_27004	OK	7.77077	7.76476	-0.00111512	0.9976
PRPF19	HGC_27con	HGC_27004	OK	66.7922	66.7438	-0.0010471	0.997
MRPL32	HGC_27con	HGC_27004	OK	56.9399	56.8989	-0.00103805	0.9967
FCHO2	HGC_27con	HGC_27004	OK	5.1231	5.1196	-0.000984817	0.9975
MARCKSL1	HGC_27con	HGC_27004	OK	51.1492	51.1155	-0.000952069	0.9967
CHMP3	HGC_27con	HGC_27004	OK	50.9866	50.9554	-0.000882764	0.9975
CCT6P3	HGC_27con	HGC_27004	OK	3.08835	3.08649	-0.000871261	0.9946
MYSM1	HGC_27con	HGC_27004	OK	5.17971	5.17659	-0.000867766	0.9984
CEBPG	HGC_27con	HGC_27004	OK	71.1608	71.1201	-0.000825331	0.9971
NR2F2-AS1	HGC_27con	HGC_27004	NOTEST	0.21993	0.21981	-0.000820061	1
SLFN14	HGC_27con	HGC_27004	NOTEST	0.00871	0.0087	-0.000712331	1
SLC39A7	HGC_27con	HGC_27004	OK	47.1407	47.1176	-0.000706966	0.9983
DDX27	HGC_27con	HGC_27004	OK	14.0708	14.0643	-0.000670045	0.9981
TSPAN17	HGC_27con	HGC_27004	OK	19.7795	19.7711	-0.000614757	0.998
BAK1	HGC_27con	HGC_27004	OK	11.1344	11.1299	-0.00058185	0.9969
KLHL3	HGC_27con	HGC_27004	NOTEST	0.16487	0.1648	-0.00054973	1
RASSF3	HGC_27con	HGC_27004	OK	9.01519	9.0124	-0.000446452	0.9982
EBF1	HGC_27con	HGC_27004	OK	4.6795	4.67853	-0.000299976	0.999
TPP2	HGC_27con	HGC_27004	OK	9.78577	9.78379	-0.00029234	0.9987
EXOC1	HGC_27con	HGC_27004	OK	9.25807	9.25629	-0.000277049	0.9992
EGFL8	HGC_27con	HGC_27004	OK	3.67098	3.67033	-0.000257569	0.9967
HOXA1	HGC_27con	HGC_27004	OK	0.42682	0.42679	-9.21206E-05	0.9965
CHCHD1	HGC_27con	HGC_27004	OK	42.3135	42.3109	-9.07488E-05	0.9977
IL12A	HGC_27con	HGC_27004	OK	0.33417	0.33416	-6.56861E-05	0.9525
PAIP2	HGC_27con	HGC_27004	OK	43.5657	43.5638	-5.97876E-05	0.9993
DHX35	HGC_27con	HGC_27004	OK	8.56129	8.56105	-0.000040312	0.9993
PHACTR4	HGC_27con	HGC_27004	OK	7.79651	7.79631	-3.65748E-05	0.9991
KIAA1161	HGC_27con	HGC_27004	NOTEST	0.16314	0.16313	-1.33483E-05	1
A1CF	HGC_27con	HGC_27004	NOTEST	0	0	0	1
A2M-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
A2ML1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
A2MP1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
A3GALT2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
AA06	HGC_27con	HGC_27004	NOTEST	0	0	0	1
AADAACL3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
AADAACL4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
AADACP1	HGC_27con	HGC_27004	NOTEST	0	0	0	1

ABCA6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ABCB11	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ABCC12	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ABCC13	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ABCC5-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ABO	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ACADL	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ACCSL	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ACE2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ACKR1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ACOT12	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ACR	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ACSM1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ACSM2A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ACSM2B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ACSM4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ACSM5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ACSM6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ACTBL2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ACTL6B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ACTL9	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ACTN1-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ACTR3BP2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ACTR3BP5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ACTRT1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ACTRT2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ADAD1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ADAM18	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ADAM2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ADAM28	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ADAM29	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ADAM30	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ADAM3A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ADAM5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ADAMDEC1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ADARB2-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ADCY8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ADGB	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ADGRA1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ADGRA1-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ADGRE3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ADGRF4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ADGRG3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ADGRG4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ADGRL4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ADH1A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ADH1B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ADH1C	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ADH7	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ADHFE1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ADIG	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ADIRF	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ADORA3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ADRA1B	HGC_27con	HGC_27004	NOTEST	0	0	0	1

ADRB3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ADTRP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
AFM	HGC_27con	HGC_27004	NOTEST	0	0	0	1
AGAP9	HGC_27con	HGC_27004	NOTEST	0	0	0	1
AGBL1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
AGBL1-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
AGBL2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
AGBL4-IT1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
AGR2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
AGR3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
AGTR1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
AGTR2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
AGXT2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
AHSP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
AIF1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
AIM1L	HGC_27con	HGC_27004	NOTEST	0	0	0	1
AIM2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
AIRE	HGC_27con	HGC_27004	NOTEST	0	0	0	1
AIRN	HGC_27con	HGC_27004	NOTEST	0	0	0	1
AJAP1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
AKAP14	HGC_27con	HGC_27004	NOTEST	0	0	0	1
AKAP17A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
AKAP4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
AKR1B15	HGC_27con	HGC_27004	NOTEST	0	0	0	1
AKR1C4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
AKR1C8P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ALDH1A2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ALDH1L1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ALDH1L1-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ALDH1L1-AS2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ALOX5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ALOX5AP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ALPI	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ALS2CL	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ALS2CR11	HGC_27con	HGC_27004	NOTEST	0	0	0	1
AMELX	HGC_27con	HGC_27004	NOTEST	0	0	0	1
AMELY	HGC_27con	HGC_27004	NOTEST	0	0	0	1
AMER3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
AMICA1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
AMPD1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
AMTN	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MY1A,AMY1B,AMY1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
AMY1B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
AMY1C	HGC_27con	HGC_27004	NOTEST	0	0	0	1
AMY2A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ANGPT4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ANGPTL5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ANHX	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ANK1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ANKK1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ANKRD26P3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ANKRD30A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ANKRD30B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ANKRD30BL	HGC_27con	HGC_27004	NOTEST	0	0	0	1

ANKRD30BP3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ANKRD33	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ANKRD34B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ANKRD34C	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ANKRD34C-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ANKRD35	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ANKRD36BP2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ANKRD66	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ANKUB1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ANO1-AS2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ANO4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ANP32AP1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ANP32C	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ANP32D	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ANTXRL	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ANTXRLP1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ANXA10	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ANXA2P3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ANXA8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ANXA8L1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
AOAH-IT1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
AOC1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
AOX2P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
AP1B1P1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
APBB1IP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
APCS	HGC_27con	HGC_27004	NOTEST	0	0	0	1
APOA4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
APOB	HGC_27con	HGC_27004	NOTEST	0	0	0	1
APOBEC1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
APOBEC3A_B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
APOBEC3H	HGC_27con	HGC_27004	NOTEST	0	0	0	1
APOBEC4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
APOC1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
APOC2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
APOC3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
APOF	HGC_27con	HGC_27004	NOTEST	0	0	0	1
APOH	HGC_27con	HGC_27004	NOTEST	0	0	0	1
APOL5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
APOOP5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
AQP2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
AQP4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
AQP5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
AQP7P3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
AQP8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
AQP9	HGC_27con	HGC_27004	NOTEST	0	0	0	1
AREG	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ARHGAP25	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ARHGAP26-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ARHGAP26-IT1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ARHGAP36	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ARHGAP40	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ARHGEF15	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ARHGEF3-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ARHGEF34P	HGC_27con	HGC_27004	NOTEST	0	0	0	1

ARHGEF35	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ARHGEF38	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ARHGEF38-IT1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ARHGEF5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ARHGEF7-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ARL11	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ARL14	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ARL14EPL	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ARL2-SNX15	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ARL5C	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ARMC2-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ARMC3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ARMCX1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ARMS2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ARPP21	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ARRDC5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ARSD	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ARSE	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ARSH	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ART3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ART4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ARX	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ASB10	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ASB12	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ASB17	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ASB18	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ASB2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ASB9	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ASCL3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ASCL4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ASGR2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ASIC2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ASIC5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ASMT	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ASMTL	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ASMTL-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ASTL	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ASZ1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ATOH1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ATP10A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ATP10B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ATP11AUN	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ATP13A4-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ATP1A4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ATP2B2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ATP2B2-IT2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ATP4B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ATP6V0CP3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ATXN3L	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ATXN8OS	HGC_27con	HGC_27004	NOTEST	0	0	0	1
AVP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
AVPR1B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
AWAT1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
B3GALT5	HGC_27con	HGC_27004	NOTEST	0	0	0	1

B3GALT5-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
B3GNT3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
B4GALNT2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
BAALC-AS2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
BANCR	HGC_27con	HGC_27004	NOTEST	0	0	0	1
BANF2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
BARHL2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
BASP1P1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
BATF	HGC_27con	HGC_27004	NOTEST	0	0	0	1
BCAR4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
BCL2A1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
BCORP1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
BDKRB1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
BEND2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
BEST3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
BEX1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
BEX2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
BEX4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
BEX5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
BFSP2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
BGLT3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
BHLHA15	HGC_27con	HGC_27004	NOTEST	0	0	0	1
BHLHA9	HGC_27con	HGC_27004	NOTEST	0	0	0	1
BHLHE23	HGC_27con	HGC_27004	NOTEST	0	0	0	1
BHMG1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
BHMT	HGC_27con	HGC_27004	NOTEST	0	0	0	1
BIRC8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
BLID	HGC_27con	HGC_27004	NOTEST	0	0	0	1
BLK	HGC_27con	HGC_27004	NOTEST	0	0	0	1
BMP10	HGC_27con	HGC_27004	NOTEST	0	0	0	1
BMP15	HGC_27con	HGC_27004	NOTEST	0	0	0	1
BMP3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
BMP6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
BMS1P17	HGC_27con	HGC_27004	NOTEST	0	0	0	1
BMS1P18	HGC_27con	HGC_27004	NOTEST	0	0	0	1
BMS1P6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
BMX	HGC_27con	HGC_27004	NOTEST	0	0	0	1
BOD1L2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
BOLA2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
BPESC1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
BPI	HGC_27con	HGC_27004	NOTEST	0	0	0	1
BPIFA1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
BPIFA2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
BPIFA3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
BPIFA4P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
BPIFB2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
BPIFB3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
BPIFB6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
BPIFC	HGC_27con	HGC_27004	NOTEST	0	0	0	1
BPY2B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
BRCAT107	HGC_27con	HGC_27004	NOTEST	0	0	0	1
BRDTP1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
BRINP1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
BSND	HGC_27con	HGC_27004	NOTEST	0	0	0	1

BSPH1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
BSX	HGC_27con	HGC_27004	NOTEST	0	0	0	1
BTBD17	HGC_27con	HGC_27004	NOTEST	0	0	0	1
BTBD6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
BTF3P11	HGC_27con	HGC_27004	NOTEST	0	0	0	1
BTG4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
BTLA	HGC_27con	HGC_27004	NOTEST	0	0	0	1
BTNL2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
BTNL3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
BTNL8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
BVES-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
BZRAP1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C10orf113	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C10orf120	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C10orf128	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C10orf142	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C10orf53	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C10orf55	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C10orf67	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C10orf71	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C10orf71-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C10orf90	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C10orf99	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C11orf39	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C11orf40	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C11orf44	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C11orf85	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C11orf86	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C11orf87	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C11orf88	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C11orf97	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C12orf40	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C12orf42	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C12orf50	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C12orf54	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C12orf74	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C12orf77	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C12orf79	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C12orf80	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C14orf177	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C15orf32	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C15orf43	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C15orf53	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C15orf54	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C16orf54	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C16orf78	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C16orf82	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C16orf90	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C16orf92	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C16orf96	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C16orf97	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C17orf105	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C17orf112	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C17orf64	HGC_27con	HGC_27004	NOTEST	0	0	0	1

C17orf77	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C17orf99	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C18orf42	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C18orf63	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C19orf67	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C19orf84	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C1QA	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C1QB	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C1QC	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C1QL2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C1QTNF1-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C1orf100	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C1orf105	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C1orf110	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C1orf137	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C1orf146	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C1orf185	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C1orf195	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C1orf204	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C1orf64	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C1orf68	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C1orf87	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C1orf94	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C20orf141	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C20orf173	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C20orf197	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C20orf62	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C20orf78	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C20orf85	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C21orf91-OT1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C22orf34	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C22orf42	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C2CD4B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C2orf27B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C2orf40	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C2orf54	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C2orf57	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C2orf70	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C2orf71	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C2orf78	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C2orf83	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C3P1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C3orf22	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C3orf30	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C3orf36	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C3orf56	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C3orf67-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C3orf79	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C3orf84	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C4BPA	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C4orf17	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C4orf22	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C4orf45	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C4orf51	HGC_27con	HGC_27004	NOTEST	0	0	0	1

C5AR2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C5orf38	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C5orf46	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C5orf47	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C5orf49	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C5orf52	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C5orf58	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C5orf63	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C5orf67	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C6orf10	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C6orf141	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C6orf15	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C6orf222	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C6orf229	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C6orf58	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C7	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C7orf33	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C7orf34	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C7orf57	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C7orf62	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C7orf65	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C7orf66	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C7orf69	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C7orf72	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C7orf76	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C7orf77	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C8A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C8B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C8orf22	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C8orf4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
8orf44-SGK3,SGK	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C8orf46	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C8orf74	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C8orf87	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C9	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C9orf135	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C9orf135-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C9orf170	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C9orf57	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C9orf62	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CA10	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CA5A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CA6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CABP5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CABS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CACNA1C-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CACNA1C-AS2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CACNA1C-AS4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CACNA1C-IT2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CACNA1C-IT3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CACNA1E	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CACNA1F	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CACNA1I	HGC_27con	HGC_27004	NOTEST	0	0	0	1

CACNA1S	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CACNA2D3-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CACNG2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CACNG3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CACNG5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CADM2-AS2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CADM3-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CALB1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CALCA	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CALHM3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CALML3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CALML3-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CALML5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CAMK1G	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CAMK2A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CAMP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CAPN11	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CAPN8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CAPN9	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CAPNS2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CAPSL	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CAPZA3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CARD11	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CARD16	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CARD17	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CARD18	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CARTPT	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CASC16	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CASC17	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CASC19	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CASC20	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CASC23	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CASC6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CASP12	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CASP14	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CASP1P2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CASP5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CASQ2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CASR	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CATIP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CATIP-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CATIP-AS2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CATSPER4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CATSPERB	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CBLC	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CBLN1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CBLN4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CBWD5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CCDC105	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CCDC108	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CCDC129	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CCDC148-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CCDC160	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CCDC170	HGC_27con	HGC_27004	NOTEST	0	0	0	1

CCDC172	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CCDC179	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CCDC182	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CCDC185	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CCDC26	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CCDC37-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CCDC60	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CCDC63	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CCDC64B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CCDC67	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CCDC68	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CCDC70	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CCDC79	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CCDC83	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CCER1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CCHE1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CCK	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CCKAR	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CCL1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CCL11	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CCL13	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CCL14	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CCL15	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CCL15-CCL14	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CCL17	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CCL19	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CCL20	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CCL21	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CCL23	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CCL24	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CCL25	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CCL3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CCL4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CCL4L1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CCL4L2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CCL7	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CCL8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CCR3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CCR4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CCR5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CCR8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CCRL2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CD163	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CD163L1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CD164L2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CD177	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CD1A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CD1B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CD1C	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CD1D	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CD1E	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CD200	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CD22	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CD244	HGC_27con	HGC_27004	NOTEST	0	0	0	1

CD247	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CD28	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CD300C	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CD300E	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CD300LB	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CD300LD	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CD300LF	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CD300LG	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CD33	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CD34	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CD38	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CD3D	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CD3E	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CD3G	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CD40	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CD40LG	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CD48	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CD5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CD53	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CD5L	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CD6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CD69	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CD86	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CD8B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CD93	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CD99	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CD99P1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CDCP1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CDH16	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CDH17	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CDH19	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CDH5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CDH9	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CDHR1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CDHR4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CDK5R2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CDRT15P2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CDRT7	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CDRT8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CDX4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CDY1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CDY1B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CDY2A,CDY2B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CDY2B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CEACAM16	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CEACAM18	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CEACAM20	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CEACAM21	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CEACAM3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CEACAM4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CEACAM6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CEACAM7	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CEBPE	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CECR3	HGC_27con	HGC_27004	NOTEST	0	0	0	1

CELA1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CELA2A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CELA3A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CELA3B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CELF2-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CELF2-AS2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CELP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CENPVP1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CENPVP2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CER1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CERS3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CERS3-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CES1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CES1P2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CES5A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CES5AP1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CETN1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CFAP44-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CFC1,CFC1B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CFC1B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CFHR2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CFHR5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CFL1P1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CFTR	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CGA	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CGB2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
H17-360D5.1,NPY4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CH17-408M7.1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CH25H	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CHAT	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CHCHD5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CHI3L1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CHI3L2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CHIA	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CHIT1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CHL1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CHL1-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CHODL-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CHRDL2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CHRM2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CHRM3-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CHRNA2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CHRNA6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CHRNA9	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CHRNB3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CHST1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CHST2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CHSY3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CIB3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CIB4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CIDEA	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CISTR	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CLC	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CLCA1	HGC_27con	HGC_27004	NOTEST	0	0	0	1

CLCA2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CLCA3P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CLCN1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CLCN4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CLDN10	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CLDN10-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CLDN14	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CLDN17	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CLDN23	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CLDN25	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CLDN34	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CLDN8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CLEC10A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CLEC12A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CLEC12B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CLEC14A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CLEC18B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CLEC18C	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CLEC19A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CLEC1B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CLEC2A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CLEC2L	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CLEC3A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CLEC4C	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CLEC4D	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CLEC4E	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CLEC4G	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CLEC4M	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CLEC5A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CLEC6A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CLEC9A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CLIC6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CLK2P1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CLLU1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CLLU1OS	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CLNK	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CLPS	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CLPSL1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CLRN1-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CLRN2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CLRN3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CLVS2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CLYBL-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CLYBL-AS2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CMA1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CMKLR1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CMTM5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CNBD1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CNGA2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CNGA3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CNGB3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CNIH3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CNTFR-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CNTN4-AS2	HGC_27con	HGC_27004	NOTEST	0	0	0	1

CNTNAP2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CNTNAP3P2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CNTNAP4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CNTNAP5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
COL18A1-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
COL18A1-AS2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
COL19A1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
COL22A1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
COL25A1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
COL4A2-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
COL6A4P1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
COL6A4P2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
COL8A1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
COL9A1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
COLEC10	HGC_27con	HGC_27004	NOTEST	0	0	0	1
COMMD3-BMI1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
COX4I2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
COX6A2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
COX7B2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CPA1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CPA3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CPA5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CPB1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CPEB2-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CPLX4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CPN1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CPN2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CPNE1	HGC_27con	HGC_27004	FAIL	73.2704	73.7841	0	1
CPNE4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CPS1-IT1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CPXCR1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CR1L	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CR2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CRAT40	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CRAT8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CRCT1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CREG2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CRH	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CRHBP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CRIP3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CRISP1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CRISP2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CRISP3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CRLF2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CRP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CRSP8P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CRYBA2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CRYBA4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CRYBB1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CRYBB3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CRYGA	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CRYGB	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CRYGC	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CRYGD	HGC_27con	HGC_27004	NOTEST	0	0	0	1

CRYGN	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CSAG3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CSF2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CSF2RA	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CSF2RB	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CSF3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CSF3R	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CSH1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CSHL1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CSMD2-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CSN1S1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CSN1S2AP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CSN1S2BP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CSN2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CSN3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CSNK1A1L	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CSNK2A3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CSPG4P1Y	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CSRP3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CST1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CST11	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CST13P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CST2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CST4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CST5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CST6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CST8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CST9	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CST9L	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CSTL1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CT45A1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CT45A10	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CT45A4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
5,CT45A6,CT45A7,C	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CT45A6,CT45A7	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CT45A7	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CT45A8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CT47A1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CT47A10	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CT47A4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CT47A6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CT47A7	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CT47B1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CT83	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CTAG1A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CTAG1B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CTAGE15	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CTAGE4,CTAGE8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CTAGE6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CTAGE8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CTAGE9	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CTB-113P19.1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CTB-12O2.1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CTD-2194D22.4	HGC_27con	HGC_27004	NOTEST	0	0	0	1

CTD-2270F17.1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CTD-2297D10.2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CTD-2350J17.1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CTLA4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CTRB2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CTSE	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CTSF	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CTSG	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CTS3P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CTS3P8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CTXN2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CTXN3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CXCL1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CXCL10	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CXCL12	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CXCL2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CXCL5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CXCL6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CXCL8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CXCL9	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CXCR1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CXCR2P1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CXCR3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CXXC1P1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CXorf21	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CXorf49	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CXorf51A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CXorf65	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CYLC1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CYLC2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CYMP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CYP11B1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CYP11B2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CYP17A1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CYP21A1P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CYP2A13	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CYP2B6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CYP2C18	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CYP2C19	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CYP2C8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CYP2C9	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CYP2J2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CYP3A4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CYP4A11	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CYP4A22	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CYP4B1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CYP4F2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CYP4F24P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CYP4F3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CYP4F8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CYP4Z1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CYP4Z2P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CYP7A1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CYSLTR1	HGC_27con	HGC_27004	NOTEST	0	0	0	1

CYSLTR2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CYTH4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
D21S2088E	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DAB1-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DACT2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DAO	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DAOA	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DAOA-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DAW1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DAZ1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DAZ2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DAZ3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DAZ4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DAZL	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DBX1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DCAF12L1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DCAF4L2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DCAF8L2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DCANP1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DCD	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DCDC2C	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DCLK3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DCSTAMP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DCX	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DDC-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DDX11L1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DDX11L10	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DDX11L16	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DDX11L9	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DDX3Y	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DDX4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DDX43	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DDX53	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DEC1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DEFA1,DEFA3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DEFA10P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DEFA11P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DEFA1B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DEFA3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DEFA4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DEFA5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DEFA6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DEFA8P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DEFA9P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DEFB1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DEFB103B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DEFB104A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DEFB105B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DEFB106A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DEFB106B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DEFB107B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DEFB109P1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DEFB109P1B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DEFB110	HGC_27con	HGC_27004	NOTEST	0	0	0	1

DEFB112	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DEFB113	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DEFB114	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DEFB115	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DEFB116	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DEFB118	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DEFB119	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DEFB121	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DEFB122	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DEFB123	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DEFB124	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DEFB125	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DEFB127	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DEFB128	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DEFB129	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DEFB130	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DEFB131	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DEFB132	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DEFB133	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DEFB134	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DEFB135	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DEFB136	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DEFB4A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DEFB4B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DEFT1P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DENND5B-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DGAT2L6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DHRS9	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DHRSX	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DIAPH2-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DIAPH3-AS2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DIO2-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DIO3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DIO3OS	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DIRAS2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DIRC1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DKFZP434H168	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DKFZP434K028	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DKFZp434J0226	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DKFZp434L192	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DKFZp779M0652	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DLGAP1-AS3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DLGAP1-AS4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DLGAP1-AS5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DLGAP2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DLGAP2-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DLK1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DMGDH	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DMRT1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DMRT3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DMRTC1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DMRTC1B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DMRTC2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DNAI2	HGC_27con	HGC_27004	NOTEST	0	0	0	1

DNAJA1P5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DNAJB3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DNAJB8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DNAJB8-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DNAJC25-GNG10	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DNAJC5B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DNER	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DNTT	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DOCK2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DOCK8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DOCK9-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DPCR1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DPEP2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DPEP3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DPP10-AS3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DPP4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DPPA5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DPRX	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DPY19L2P1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DPYD-AS2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DPYS	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DPYSL5	HGC_27con	HGC_27004	FAIL	7.98263	12.009	0	1
DRD1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DRD3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DRD5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DRGX	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DRICH1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DSCAM	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DSCAM-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DSCAM-IT1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DSCAML1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DSCAS	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DSG1-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DTHD1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DTX1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DTX3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DUOXA2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DUPD1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DUSP13	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DUSP21	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DUSP5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DUX4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DUXAP10	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DYNLRB2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DYTN	HGC_27con	HGC_27004	NOTEST	0	0	0	1
DZIP1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
EBLN1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ECEL1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ECEL1P2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ECHDC2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ECHDC3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ECRP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ECSCR	HGC_27con	HGC_27004	NOTEST	0	0	0	1
EDA2R	HGC_27con	HGC_27004	NOTEST	0	0	0	1

EDDM3A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
EDDM3B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
EDN3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
EDNRB	HGC_27con	HGC_27004	NOTEST	0	0	0	1
EDNRB-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
EEF1DP3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
EFCAB1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
EFCAB6-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
EFCC1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
EFHC2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
EGFLAM-AS2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
EGR4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
EHHADH-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
EIF1AX-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
EIF1AY	HGC_27con	HGC_27004	NOTEST	0	0	0	1
EIF3IP1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
EIF4E1B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ELAVL4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ELF5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ELK2AP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ELMO1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ELMO1-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ELOVL3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
EMCN	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ENAM	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ENOX1-AS2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ENPP5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ENTHD1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ENTPD3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
EPB42	HGC_27con	HGC_27004	NOTEST	0	0	0	1
EPHA1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
EPHX2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
EPPIN-WFDC6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
EPS8L3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
EPSTI1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
EQTN	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ERICH1-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ERICH3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ERICH3-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ERICH5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ERICH6B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ERMN	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ERP27	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ERVV-2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ESM1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ESPNP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ESR1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ESRRG	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ESYT3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ETNPPL	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ETV3L	HGC_27con	HGC_27004	NOTEST	0	0	0	1
EVADR	HGC_27con	HGC_27004	NOTEST	0	0	0	1
EVC2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
EVPLL	HGC_27con	HGC_27004	NOTEST	0	0	0	1

EWSAT1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
EYA2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
F11	HGC_27con	HGC_27004	NOTEST	0	0	0	1
F11-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
F13A1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
F2RL1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
F2RL2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
F8A1,F8A3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
F8A2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
F8A3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
F9	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FA2H	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAAHP1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FABP1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FABP12	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FABP2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FABP4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FABP7	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FABP9	HGC_27con	HGC_27004	NOTEST	0	0	0	1
101A,ZNF664-FAM	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM106CP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM124B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM133A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM135B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM138A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM138B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM138C	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM138D	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM138E	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM138F	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM150A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM153A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM153B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM155A-IT1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM156A,FAM156B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM156B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM157A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM159A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM167A-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM169B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM170B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM170B-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM177B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM179A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM180A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM181A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM181A-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM181B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM183CP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM187B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM197Y2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM197Y5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM198A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM19A1	HGC_27con	HGC_27004	NOTEST	0	0	0	1

FAM205BP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM205C	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM209A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM216B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM217A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM223A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM224A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM224B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM225A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM225B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM230C	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM231A,FAM231C	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM231C	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM24A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM24B-CUZD1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM25A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM25BP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM25C,FAM25G	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM25G	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM26D	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM26E	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM35BP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM35DP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM3B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM3D	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM41AY1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM46D	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM47A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM47B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM47C	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM66B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM66E	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM71B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM71C	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM74A1,FAM74A6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM74A4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM74A6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM81B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM83C-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM83F	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM83G	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM90A10P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM90A27P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM90A7P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM92B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM95B1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM99A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM99B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM9A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FAM9C	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FANK1-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FASLG	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FATE1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FBXL21	HGC_27con	HGC_27004	NOTEST	0	0	0	1

FBXL22	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FBXO2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FBXO3-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FBXO39	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FBXO47	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FCAMR	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FCER1A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FCER2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FCGR1A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FCGR1B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FCGR1C	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FCGR2B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FCGR3A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FCGR3B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FCMR	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FCN1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FCRL1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FCRL2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FCRL3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FCRL4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FCRL5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FDCSP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FER1L6-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FETUB	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FEZF1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FEZF2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FFAR1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FFAR2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FFAR3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FFAR4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FGA	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FGD5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FGF1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FGF10	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FGF10-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FGF12-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FGF13-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FGF14	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FGF14-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FGF14-IT1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FGF16	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FGF20	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FGF3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FGF4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FGF6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FGG	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FGR	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FHL5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FIGF	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FIGLA	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FKBP1A-SDCBP2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FKSG29	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FLG	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FLG-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1

FLI1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FLJ22447	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FLJ22763	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FLJ26245	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FLJ26850	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FLJ33534	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FLJ33581	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FLJ34503	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FLJ37505	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FLJ38122	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FLJ40194	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FLJ40288	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FLJ41278	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FLJ41941	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FLJ42969	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FLJ43315	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FLJ43879	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FLJ45079	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FLJ46066	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FLJ46284	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FMO1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FMO2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FMO3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FMO6P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FMO9P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FMR1NB	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FNDC1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FNDC9	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FOLH1B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FOLR2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FOLR3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FOXB1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FOXC2-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FOXD3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FOXD3-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FOXD4L3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FOXD4L4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FOXE1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FOXI1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FOXI2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FOXI3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FOXR1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FOXR2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FPR1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FPR2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FREM3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FRG2B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FRG2DP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FRMD1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FRMD6-AS2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FRMD8P1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FRMPD1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FRMPD3-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FRMPD4	HGC_27con	HGC_27004	NOTEST	0	0	0	1

FRRS1L	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FSHB	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FSHR	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FTH1P18	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FTHL17	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FTLP10	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FTMT	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FUS	HGC_27con	HGC_27004	FAIL	110.932	119.548	0	1
FUT9	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FXYD2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FXYD6-FXYD2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FYB	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FZD10	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FZD10-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
FZD8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GOS2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
G6PC	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GAB4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GABARAPL3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GABBR2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GABRA1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GABRA5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GABRA6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GABRG1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GABRG3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GABRG3-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GABRP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GABRR1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GABRR3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GACAT1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GACAT3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GAD2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GADL1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GAGE1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GAGE10	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GAGE12C,GAGE12D	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GAGE12C,GAGE12D	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GAGE12D	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GAGE12E	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GAGE12F	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GAGE12H	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GAGE12I	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GAGE12J	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GAGE13	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GAGE2A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GAGE2B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GAGE2C,GAGE2D	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GAGE2D,GAGE8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GAGE2E	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GAGE4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GAGE5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GAGE6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GAGE7	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GAGE8	HGC_27con	HGC_27004	NOTEST	0	0	0	1

GAL	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GALC	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GALNT3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GALNTL5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GALP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GALR1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GAP43	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GAPLINC	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GAPT	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GATA3-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GATA5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GATM	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GBA3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GBGT1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GBP6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GBP7	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GBX2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GC	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GCG	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GCKR	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GCM1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GCNT3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GCSAML	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GCSAML-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GDF2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GDF3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GDNF	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GDPD4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GFRA4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GFRAL	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GGTLC1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GGTLC2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GH1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GHRH	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GHRHR	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GHSR	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GIF	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GIMAP1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GIMAP1-GIMAP5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GIMAP4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GIMAP5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GIMAP6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GIMAP7	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GIMAP8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GIMD1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GIP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GIPC2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GJA10	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GJA4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GJA8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GJB1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GJB3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GJB4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GJB5	HGC_27con	HGC_27004	NOTEST	0	0	0	1

GJB6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GJD2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GJD4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GK2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GKN1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GKN2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GLIS2-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GLOD5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GLP2R	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GLRA2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GLRA4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GLT6D1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GLYATL3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GLYCAM1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GM140	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GML	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GMNC	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GNA14-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GNAT1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GNAT3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GNGT2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GOLGA2P2Y	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GOLGA2P3Y	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GOLGA2P9	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GOLGA6A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GOLGA6L1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GOLGA6L22	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GOLGA6L6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GOLGA8CP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GOLGA8EP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GOLGA8F,GOLGA8G	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GOLGA8G	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GOLGA8J	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GOLGA8K	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GOLGA8M	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GOLGA8O	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GOLT1A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GOT1L1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GP9	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GPA33	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GPC5-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GPC5-AS2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GPC6-AS2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GPHB5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GPR101	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GPR119	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GPR12	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GPR139	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GPR141	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GPR142	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GPR143	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GPR148	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GPR149	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GPR15	HGC_27con	HGC_27004	NOTEST	0	0	0	1

GPR150	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GPR151	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GPR152	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GPR158-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GPR17	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GPR171	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GPR174	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GPR25	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GPR26	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GPR31	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GPR32	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GPR33	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GPR50	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GPR55	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GPR6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GPR61	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GPR78	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GPR87	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GPR88	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GPRIN2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GPRIN3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GPX5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GPX6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GRAMD2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GRAMD3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GRAP2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GRHL2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GRIA1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GRID1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GRID1-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GRID2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GRIFIN	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GRIK1-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GRIN2A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GRIN2B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GRM5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GRM5-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GRM6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GRM7-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GRM7-AS2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GRM7-AS3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GRP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GRXCR1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GRXCR2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GS1-279B7.1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GS1-594A7.3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GS1-600G8.3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GSC2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GSDMC	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GSTA1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GSTA2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GSTA7P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GSTM1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GSTM2P1	HGC_27con	HGC_27004	NOTEST	0	0	0	1

GSTM4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GSTT2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GSTT2B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GSTTP1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GSX1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GSX2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GTF2A1L	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GTPBP6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GTSCR1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GTSF1L	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GUCA1A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GUCA1C	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GUCA2A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GUCA2B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GUCY1B2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GUCY2C	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GUCY2D	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GUCY2EP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GUCY2F	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GUCY2GP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GUSBP10	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GUSBP5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GUSBP9	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GXYLT1P3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GYG2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GYG2P1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GYPB	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GYPC	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GZMA	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GZMB	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GZMH	HGC_27con	HGC_27004	NOTEST	0	0	0	1
GZMK	HGC_27con	HGC_27004	NOTEST	0	0	0	1
H1FNT	HGC_27con	HGC_27004	NOTEST	0	0	0	1
H1FOO	HGC_27con	HGC_27004	NOTEST	0	0	0	1
H2AFB1,H2AFB2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
H2AFB2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
H2AFB3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
H2BFWT	HGC_27con	HGC_27004	NOTEST	0	0	0	1
H2BFXP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
H3F3A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HAAO	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HABP2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HAND1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HAND2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HAND2-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HAO2-IT1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HAVCR1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HBA2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HBB	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HBBP1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HBD	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HBG1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HBG2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HBM	HGC_27con	HGC_27004	NOTEST	0	0	0	1

HCAR3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HCFC1-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HCG22	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HCG23	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HCG4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HCG4B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HCRT	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HCRTR1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HDGFL1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HDGFRP3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HEATR9	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HEMGN	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HEPACAM2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HEPN1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HERC5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HES5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HFE	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HGC6.3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HHATL	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HHLA1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HID1-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HIGD1C	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HIST1H1A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HIST1H1T	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HIST1H2AA	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HIST1H2AB	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HIST1H2AD	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HIST1H2APS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HIST1H2BA	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HIST1H3C	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HIST1H4F	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HIST1H4G	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HIST1H4K	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HIST2H2AA3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HIST2H2AA4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HIST2H3A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HIST2H3C	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HIST2H4A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HIST2H4B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HK3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HLA-DOA	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HLA-DPB1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HLA-DPB2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HLA-DQA1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HLA-DQA2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HLA-DQB2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HLA-DRA	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HLA-DRB3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HLA-DRB4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HLA-DRB5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HLA-DRB6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HLX-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HMGA1P7	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HMGB4	HGC_27con	HGC_27004	NOTEST	0	0	0	1

HMGCS2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HMHB1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HMP19	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HMSD	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HMX1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HMX2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HMX3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HNCAT21	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HNF4A-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HNMT	HGC_27con	HGC_27004	NOTEST	0	0	0	1
CL1,HNRNPCL3,HN	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HNRNPCL2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HNRNPKP3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HOPX	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HORMAD1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HORMAD2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HOXB1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HOXC12	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HOXD1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HPCA	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HPGDS	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HPSE2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HPVC1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HPYR1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HRASLS5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HRAT13	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HRAT17	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HRG	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HRH3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HRNR	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HS3ST1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HS3ST4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HS6ST2-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HSD11B1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HSD3B1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HSD3B2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HSD52	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HSF5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HSFX1,HSFX2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HSFX2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HSFY1,HSFY2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HSFY2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HSPA7	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HSPB2-C11orf52	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HTATIP2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HTN3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HTR1A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HTR1B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HTR1D	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HTR1E	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HTR1F	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HTR2A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HTR2A-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HTR3A	HGC_27con	HGC_27004	NOTEST	0	0	0	1

HTR3B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HTR3C	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HTR3D	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HTR4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HTR5A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HTR5A-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HTRA3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HTT-AS	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HYAL4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HYALP1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HYDIN2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HYMAI	HGC_27con	HGC_27004	NOTEST	0	0	0	1
HYPM	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ICOS	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ID4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IDO2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IFI16	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IFIT1B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IFNA1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IFNA10	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IFNA13	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IFNA14	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IFNA16	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IFNA17	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IFNA2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IFNA21	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IFNA22P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IFNA4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IFNA5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IFNA6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IFNA7	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IFNA8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IFNB1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IFNE	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IFNG	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IFNK	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IFNL1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IFNL2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IFNL3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IFNL4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IFNW1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IGF2-AS	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IGFBP1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IGFL1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IGFL2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IGFL3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IGLL1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IGLL5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IGSF11-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IGSF21	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IHH	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IKZF1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IL10RA	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IL13	HGC_27con	HGC_27004	NOTEST	0	0	0	1

IL17A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IL17F	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IL18	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IL18RAP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IL19	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IL1B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IL1F10	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IL1R2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IL1RAPL2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IL1RL1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IL1RL2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IL20	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IL20RA	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IL21	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IL22	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IL22RA2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IL23R	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IL24	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IL27	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IL2RA	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IL3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IL31	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IL33	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IL36A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IL36B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IL36G	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IL36RN	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IL3RA	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IL4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IL5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IL5RA	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IL9	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IL9R	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ILD1R1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
INHBA-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
INMT-FAM188B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
INPP5D	HGC_27con	HGC_27004	NOTEST	0	0	0	1
INS	HGC_27con	HGC_27004	NOTEST	0	0	0	1
INS-IGF2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
INSL4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
INSL5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
INSM2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IQCA1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IQCF2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IQCF3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IQCF4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IQCF5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IQCF5-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IQCF6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IQCJ	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IQCJ-SCHIP1-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IRG1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IRGC	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IRS2	HGC_27con	HGC_27004	NOTEST	0	0	0	1

IRX1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IRX2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IRX4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ISPD-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ISX	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ITIH1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ITIH3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ITIH4-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ITK	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ITLN2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ITM2A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IVL	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IZUMO1R	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IZUMO2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IZUMO3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
JAKMIP1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
JAKMIP2-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
JRKL-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KBTBD13	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KCCAT211	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KCNA1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KCNA10	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KCNA4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KCNA5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KCNAB1-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KCNAB1-AS2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KCNB2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KCNC2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KCND3-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KCND3-IT1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KCNE3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KCNH5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KCNH7	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KCNIP4-IT1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KCNJ1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KCNJ16	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KCNJ9	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KCNK16	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KCNK17	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KCNK18	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KCNMA1-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KCNMA1-AS2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KCNMA1-AS3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KCNMB1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KCNQ1-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KCNQ1DN	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KCNQ3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KCNU1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KCNV1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KCTD14	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KCTD4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KDM4E	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KDM5D	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KIAA0040	HGC_27con	HGC_27004	NOTEST	0	0	0	1

KIAA0125	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KIAA1257	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KIF25-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KIF2B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KIF6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KIR2DL1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KIR2DL2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KIR2DL3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KIR2DL4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
IR2DL5A,KIR2DL5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KIR2DL5B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KIR2DS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KIR2DS2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KIR2DS3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KIR2DS4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KIR2DS5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KIR3DL1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KIR3DL2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KIR3DL3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KIR3DS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KIRREL3-AS2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KIRREL3-AS3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KISS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KIT	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KL	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KLF15	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KLF17	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KLHL1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KLHL14	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KLHL33	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KLHL34	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KLHL40	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KLK12	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KLK13	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KLK15	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KLK3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KLK4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KLK5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KLK6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KLK7	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KLK8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KLK9	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KLKP1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KLRC1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KLRC2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KLRC3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LRC4-KLRK1,KLRK	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KLRF2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KLRG2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KNCN	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KNG1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KPNA7	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KPRP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KRBA1	HGC_27con	HGC_27004	NOTEST	0	0	0	1

KRBOX1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KRBOX1-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KRT12	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KRT16P1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KRT16P2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KRT16P3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KRT19	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KRT19P2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KRT2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KRT20	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KRT222	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KRT23	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KRT24	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KRT25	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KRT26	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KRT27	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KRT28	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KRT3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KRT31	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KRT32	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KRT33A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KRT33B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KRT34	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KRT35	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KRT36	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KRT37	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KRT38	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KRT39	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KRT40	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KRT6C	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KRT71	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KRT72	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KRT73	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KRT74	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KRT75	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KRT76	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KRT77	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KRT79	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KRT82	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KRT84	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KRT8P41	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KRT9	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KRTAP1-1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KRTAP1-3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KRTAP1-4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KRTAP1-5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KRTAP10-1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KRTAP10-10	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KRTAP10-11	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KRTAP10-12	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KRTAP10-2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KRTAP10-4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KRTAP10-5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KRTAP10-6	HGC_27con	HGC_27004	NOTEST	0	0	0	1

KRTAP5-11	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KRTAP5-3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KRTAP5-4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KRTAP5-5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KRTAP5-6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KRTAP5-7	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KRTAP5-9	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KRTAP6-1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KRTAP6-2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KRTAP7-1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KRTAP8-1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KRTAP9-1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KRTAP9-2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KRTAP9-3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KRTAP9-4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KRTAP9-6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KRTAP9-7	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KRTAP9-8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KRTAP9-9	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KRTDAP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KU-MEL-3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
KYNU	HGC_27con	HGC_27004	NOTEST	0	0	0	1
L3MBTL4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
L3MBTL4-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LACAT8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LACRT	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LACTBL1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LAD1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LAIR2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LALBA	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LAMC3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LAMP5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LCE1A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LCE1B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LCE1C	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LCE1D	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LCE1E	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LCE1F	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LCE2A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LCE2B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LCE2C	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LCE2D	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LCE3A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LCE3B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LCE3C	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LCE3D	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LCE3E	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LCE4A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LCE5A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LCE6A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LCK	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LCN1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LCN6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LCN8	HGC_27con	HGC_27004	NOTEST	0	0	0	1

LCN9	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LCP2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LDHC	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LDLRAD4-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LECT1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LECT2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LEKR1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LELP1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LEP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LEUTX	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LGALS13	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LGALS14	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LGALS16	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LGALS17A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LGALS2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LGALS7	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LGALS7B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LGALS9B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LGALS9C	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LGI1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LGR5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LGR6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LGSN	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LHCGR	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LHFPL1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LHFPL3-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LHFPL3-AS2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LHFPL5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LHX5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LHX5-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LILRA1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LILRA2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LILRA3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LILRA4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LILRA5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LILRB1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LILRB2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LILRB4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LILRB5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LILRP2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LIM2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LIMS3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LIMS3-LOC440895	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LIMS3L	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LINC00028	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LINC00029	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LINC00032	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LINC00051	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LINC00052	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LINC00102	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LINC00106	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LINC00111	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LINC00112	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LINC00113	HGC_27con	HGC_27004	NOTEST	0	0	0	1

LINC01544	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LINC01546	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LINC01548	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LINC01552	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LINC01553	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LINC01559	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LINC01561	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LINC01563	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LINC01564	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LINC01565	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LINC01568	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LINC01570	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LINC01571	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LINC01574	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LINC01581	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LINC01582	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LINC01583	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LINC01584	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LINC01587	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LINC01589	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LINC01591	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LINC01592	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LINC01594	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LINC01603	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LINC01611	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LINCMD1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LINCR-0002	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LINCR-0003	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LINGO1-AS2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LIPC	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LIPF	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LIPJ	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LIPK	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LIPM	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LIPN	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LL22NC03-75H12.	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LMO7DN	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LMO7DN-IT1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LMOD2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LMX1A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LNX1-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LNX1-AS2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100049716	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100128554	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100128593	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100128885	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100128993	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100129175	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100129216	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100129345	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100129520	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100129603	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100129935	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100130075	HGC_27con	HGC_27004	NOTEST	0	0	0	1

LOC100130264	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100130298	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100130331	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100130849	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100130880	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100130964	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100130992	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100131047	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100131289	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100131303	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100131315	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100131635	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100132057	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100132078	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100132146	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100132174	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100132304	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100132735	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100132831	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100133077	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100133267	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100133461	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100133920	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100134391	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100190940	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100192426	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100233156	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100240728	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100286922	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100287010	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100287592	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100287728	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100287834	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100287944	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100288162	HGC_27con	HGC_27004	NOTEST	0	0	0	1
00288570,LOC44	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100288748	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100288966	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100289333	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100289650	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100289656	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100422212	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100499194	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100500773	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100505478	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100505515	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100505622	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100505635	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100505782	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100505795	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100505841	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100505878	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100505887	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100505978	HGC_27con	HGC_27004	NOTEST	0	0	0	1

LOC100505984	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100506071	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100506076	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100506122	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100506123	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100506159	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100506188	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100506272	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100506274	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100506384	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100506403	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100506406	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100506422	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100506444	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100506457	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100506470	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100506474	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100506526	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100506585	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100506675	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100506682	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100506725	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100506790	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100506858	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100506869	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100506895	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100507140	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100507194	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100507195	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100507205	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100507334	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100507384	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100507387	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100507389	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100507406	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100507412	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100507443	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100507477	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100507534	HGC_27con	HGC_27004	NOTEST	0	0	0	1
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LOC100631378	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100652931	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100996249	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100996263	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100996286	HGC_27con	HGC_27004	NOTEST	0	0	0	1
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LOC100996385	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100996654	HGC_27con	HGC_27004	NOTEST	0	0	0	1
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LOC100996679	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC100996694	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC101054525	HGC_27con	HGC_27004	NOTEST	0	0	0	1
23859,TBC1D3,TB	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC101060385	HGC_27con	HGC_27004	NOTEST	0	0	0	1
23859,TBC1D3,TB	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC101060498	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC101060542	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC101805491	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC101926908	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC101926940	HGC_27con	HGC_27004	NOTEST	0	0	0	1
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LOC101927020	HGC_27con	HGC_27004	NOTEST	0	0	0	1
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LOC101927082	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC101927087	HGC_27con	HGC_27004	NOTEST	0	0	0	1
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LOC101927123	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC101927132	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC101927139	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC101927159	HGC_27con	HGC_27004	NOTEST	0	0	0	1
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LOC101927189	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC101927207	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC101927229	HGC_27con	HGC_27004	NOTEST	0	0	0	1
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LOC101927243	HGC_27con	HGC_27004	NOTEST	0	0	0	1
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LOC101927379	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC101927412	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC101927416	HGC_27con	HGC_27004	NOTEST	0	0	0	1
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LOC102724661	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC102724663	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC102724710	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC102724804	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC102724849	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC102724874	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC102724913	HGC_27con	HGC_27004	NOTEST	0	0	0	1
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LOC102725079	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC102800447	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC103191607	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC103312105	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC103352541	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC104054148	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC104613533	HGC_27con	HGC_27004	NOTEST	0	0	0	1
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LOC105375734	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC105447648	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC105616981	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC105667213	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC105748977	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC105755953	HGC_27con	HGC_27004	NOTEST	0	0	0	1
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LOC149373	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC149684	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC150935	HGC_27con	HGC_27004	NOTEST	0	0	0	1
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LOC154449	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC157273	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC158434	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC1720	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC200726	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC221122	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC253573	HGC_27con	HGC_27004	NOTEST	0	0	0	1
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LOC255187	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC255654	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC256880	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC283177	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC283194	HGC_27con	HGC_27004	NOTEST	0	0	0	1
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LOC283332	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC283585	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC283788	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC283856	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC284294	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC284395	HGC_27con	HGC_27004	NOTEST	0	0	0	1
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LOC284661	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC284788	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC284798	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC285000	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC285043	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC285484	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC285629	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC285692	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC285762	HGC_27con	HGC_27004	NOTEST	0	0	0	1
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LOC285804	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC285889	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC286083	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC286114	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC286177	HGC_27con	HGC_27004	NOTEST	0	0	0	1
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LOC338694	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC338797	HGC_27con	HGC_27004	NOTEST	0	0	0	1
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LOC339529	HGC_27con	HGC_27004	NOTEST	0	0	0	1
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LOC339807	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC339862	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC340017	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC340074	HGC_27con	HGC_27004	NOTEST	0	0	0	1
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LOC340357	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC340512	HGC_27con	HGC_27004	NOTEST	0	0	0	1
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LOC349160	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC387810	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC388242	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC388282	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC388436	HGC_27con	HGC_27004	NOTEST	0	0	0	1
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LOC391003	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC392196	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC392232	HGC_27con	HGC_27004	NOTEST	0	0	0	1

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LOC399886	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC400553	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC400620	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC400661	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC400736	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC400794	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC400867	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC400940	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC400997	HGC_27con	HGC_27004	NOTEST	0	0	0	1
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LOC63930	HGC_27con	HGC_27004	NOTEST	0	0	0	1
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LOC645354	HGC_27con	HGC_27004	NOTEST	0	0	0	1
C645382,PRAMEF	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC646268	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC646522	HGC_27con	HGC_27004	NOTEST	0	0	0	1
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LOC646813	HGC_27con	HGC_27004	NOTEST	0	0	0	1
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LOC647859	HGC_27con	HGC_27004	NOTEST	0	0	0	1

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LOC649352	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC727751	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC727924	HGC_27con	HGC_27004	NOTEST	0	0	0	1
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LOC729296	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC729506	HGC_27con	HGC_27004	NOTEST	0	0	0	1
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LOC730159	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC79999	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC80078	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOC90768	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOR	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LOXHD1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LPA	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LPAR4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LPO	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LPP-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LRFN2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LRIT1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LRIT2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LRIT3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LRMP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LRRC10	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LRRC18	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LRRC2-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LRRC30	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LRRC31	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LRRC32	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LRRC36	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LRRC37A5P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LRRC38	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LRRC43	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LRRC52	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LRRC55	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LRRC74A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LRRC75B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LRRIQ4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LRRTM3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LRTM1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LSAMP-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LSP1P3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LTF	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LUZP4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LVCAT5	HGC_27con	HGC_27004	NOTEST	0	0	0	1

LVCAT8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LXN	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LY6H	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LY75-CD302	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LY86	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LY86-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LY9	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LY96	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LYNX1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LYPD2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LYPD4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LYPD5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LYPD8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LYVE1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LYZL1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LYZL2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LYZL4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
LYZL6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MAATS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MACC1-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MACROD2-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MACROD2-IT1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MAEL	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MAFIP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MAG	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MAGEA2,MAGEA2B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MAGEA2B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MAGEA8-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MAGEA9,MAGEA9B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MAGEA9B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MAGEB1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MAGEB16	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MAGEB17	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MAGEB18	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MAGEB3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MAGEB4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MAGEB5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MAGEB6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MAGEC1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MAGEC2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MAGED4,MAGED4B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MAGED4B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MAGEE2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MAGI2-AS2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MAL	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MAL2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MALRD1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MAMDC2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MAMDC2-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MAOB	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MAP10	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MAP1LC3A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MAP2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MAP2K4P1	HGC_27con	HGC_27004	NOTEST	0	0	0	1

MAP3K19	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MAPT-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MARCH11	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MARCH4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MARCO	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MAS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MAS1L	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MATN3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MBD3L1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MBD3L2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MBD3L3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MBD3L4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MBD3L5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MBL2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MC2R	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MC3R	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MC5R	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MCCD1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MCHR2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MCHR2-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MCTP2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MDS2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ME3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MEAT6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MEDAG	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MEG3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MEG8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MEG9	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MEI4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MEIKIN	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MEIS3P1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MEOX2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MEOX2-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MEP1A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MEPE	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MESP2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MESTIT1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
METTL24	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MFAP3L	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MFRP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MGAM	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MGAM2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MGAT3-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MGAT4C	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MGAT4D	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MGAT4EP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MGC15885	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MGC27382	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MGC39584	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MGC57346-CRHR1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MGC70870	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MHRT	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIA	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIA-RAB4B	HGC_27con	HGC_27004	NOTEST	0	0	0	1

MIA2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MICU3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MILR1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIMT1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1-1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1-1HG	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1-2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR100	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR101-1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR101-2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR103A1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR103B1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR103B2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR105-1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR105-2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR106A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR106B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR107	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR10A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR10B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1178	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1179	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1180	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1181	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1183	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1184-1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1184-2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1184-3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1185-1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1185-2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1193	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1197	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1200	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1202	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1203	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1204	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1205	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1206	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1207	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1208	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR122	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1224	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1225	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1226	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1227	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1228	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1229	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1231	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1233-1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1234	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1236	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1237	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1238	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR124-1	HGC_27con	HGC_27004	NOTEST	0	0	0	1

MIR124-2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR124-2HG	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR124-3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1243	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1244-1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1244-4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1245A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1245B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1246	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1247	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1249	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1250	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1251	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1252	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1253	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1254-2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1255A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1255B1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1255B2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1256	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1257	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1258	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR125A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR125B1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR125B2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR126	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1260A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1260B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1261	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1262	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1263	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1264	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1265	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1266	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1267	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1268A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1269A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1269B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR127	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1270	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1271	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1272	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1273A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1273C	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1273E	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1273F	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1273G	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1273H	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1275	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1276	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1277	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1278	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1279	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR128-1	HGC_27con	HGC_27004	NOTEST	0	0	0	1

MIR128-2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1281	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1283-1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1283-2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1284	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1286	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1288	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1289-1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1289-2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR129-1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR129-2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1290	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1291	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1292	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1293	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1294	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1295A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1295B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1296	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1297	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1298	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1299	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1301	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1302-1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1302-11	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1302-2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1302-3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1302-4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1302-5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1302-6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1302-7	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1302-8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1302-9	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1303	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1305	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1306	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR130A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR130B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR132	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1321	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1322	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1323	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1324	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR133A1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR133A2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR133B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR134	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1343	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR135A1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR135A2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR135B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR136	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR137	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR138-1	HGC_27con	HGC_27004	NOTEST	0	0	0	1

MIR138-2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR139	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR140	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR141	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR142	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR143	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR144	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR145	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1468	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1469	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR146A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR146B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1470	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1471	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR147A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR147B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR148A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR148B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR150	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR151B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR152	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR153-1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR153-2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1537	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1538	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1539	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR154	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR155	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR15A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR15B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR16-1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR16-2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR17	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR181A1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR181A2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR181B2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR181C	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR182	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1825	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1827	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR183	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR184	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR185	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR186	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR187	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR188	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR18A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR18B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1909	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR190A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR190B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR191	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1910	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1911	HGC_27con	HGC_27004	NOTEST	0	0	0	1

MIR1912	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1913	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR192	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR193A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR193B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR194-1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR194-2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR195	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR196A1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR196A2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR197	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1972-2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1973	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR1976	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR198	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR199A1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR199B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR19A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR19B1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR19B2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR200A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR200B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR200C	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR202	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR202HG	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR203A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR203B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR204	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR205	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR2052	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR2052HG	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR2053	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR2054	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR205HG	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR206	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR208A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR208B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR20A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR20B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR21	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR210	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR211	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR2110	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR2113	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR2114	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR2115	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR2116	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR2117	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR212	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR214	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR215	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR216A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR216B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR217	HGC_27con	HGC_27004	NOTEST	0	0	0	1

MIR218-1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR218-2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR219A2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR219B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR22	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR221	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR222	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR223	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR224	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR2276	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR2278	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR2355	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR2392	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR23A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR23B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR23C	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR24-1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR24-2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR2467	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR2681	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR2682	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR26A1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR26A2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR26B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR27A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR28	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR2861	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR2909	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR296	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR298	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR299	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR29A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR29B1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR29B2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR29C	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR300	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR301A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR301B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR302A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR302B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR302C	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR302D	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR302E	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR302F	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3064	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3065	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR30A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR30B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR30C1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR30C2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR30D	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR30E	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR31	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3115	HGC_27con	HGC_27004	NOTEST	0	0	0	1

MIR320D2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR320E	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR323A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR323B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR325	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR325HG	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR326	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR328	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR329-1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR329-2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR330	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR331	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR335	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR337	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR338	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR339	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR33A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR340	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR342	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR345	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR346	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR34A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR34B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR34C	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3529	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3591	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3606	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3607	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3609	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR361	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3610	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3611	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3612	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3613	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3614	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3615	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3616	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3617	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3618	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3619	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR362	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3620	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3621	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3622A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3622B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR363	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3646	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3648-2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3649	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3650	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3652	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3653	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3654	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3655	HGC_27con	HGC_27004	NOTEST	0	0	0	1

MIR3656	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3657	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3658	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3659	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR365A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR365B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3660	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3662	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3663	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3663HG	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3664	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3666	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3667	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3668	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR367	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3670-2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3670-3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3671	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3672	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3674	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3675	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3677	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3678	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3679	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3680-1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3680-2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3681	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3683	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3684	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3685	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3686	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3687-2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3688-1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3688-2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3689A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3689B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3689C	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3689D1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3689D2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3689E	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3689F	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR369	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3690	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3691	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3692	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR370	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3713	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3714	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR371A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR371B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR372	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR373	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR374A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR374B	HGC_27con	HGC_27004	NOTEST	0	0	0	1

MIR374C	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR375	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR376A1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR376A2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR376B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR376C	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR377	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR378A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR378B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR378C	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR378D1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR378D2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR378E	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR378F	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR378G	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR378H	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR378I	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR379	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR380	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR381	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR381HG	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR382	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR383	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR384	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3907	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3908	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3909	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3910-1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3910-2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3912	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3913-1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3913-2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3914-1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3914-2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3915	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3917	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3918	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3919	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3920	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3921	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3922	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3923	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3924	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3925	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3926-1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3926-2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3927	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3928	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3929	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3935	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3937	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3938	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3939	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR3940	HGC_27con	HGC_27004	NOTEST	0	0	0	1

MIR92B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR93	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR933	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR934	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR935	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR936	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR937	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR938	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR941-1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR941-2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR941-3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR942	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR943	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR944	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR95	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR9500	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR96	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR98	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR99A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIR99B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIRLET7A1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIRLET7A2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIRLET7A3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIRLET7B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIRLET7C	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIRLET7E	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIRLET7F1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIRLET7F2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIRLET7G	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MIRLET7I	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MKRN7P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MLF1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MLIP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MLIP-IT1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MLN	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MLNR	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MLPH	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MMP10	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MMP12	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MMP20	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MMP21	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MMP23A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MMP26	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MMP27	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MMP3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MMP7	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MMP8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MMRN1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MNDA	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MOCOS	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MOGAT1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MOGAT2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MOGAT3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MORC1	HGC_27con	HGC_27004	NOTEST	0	0	0	1

MOS	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MOXD2P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MPC1L	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MPEG1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MPO	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MPPED1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MRGPRD	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MRGPRF-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MRGPRG	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MRGPRG-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MRGPRX1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MRGPRX2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MRGPRX4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MROH2B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MROH9	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MRVI1-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MS4A1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MS4A12	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MS4A13	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MS4A14	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MS4A15	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MS4A18	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MS4A2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MS4A3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MS4A4A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MS4A5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MS4A6A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MS4A6E	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MS4A7	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MS4A8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MSC	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MSGN1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MSMB	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MSR1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MT1A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MT1B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MT1DP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MT1E	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MT1F	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MT1H	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MT1HL1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MT1IP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MT1JP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MT1L	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MT1M	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MT3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MTMR8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MTNR1A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MTNR1B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MTRNR2L7	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MTPP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MUC15	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MUC16	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MUC19	HGC_27con	HGC_27004	NOTEST	0	0	0	1

MUC2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MUC22	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MUC5AC	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MUC7	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MUCL1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MUM1L1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MXRA5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MYADML	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MYBPC3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MYBPH	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MYBPHL	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MYCNU1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MYCT1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MYEOV	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MYF5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MYH1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MYH13	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MYH2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MYH4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MYH6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MYH7	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MYH8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MYL1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MYL2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MYL7	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MYLK-AS2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MYO16	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MYO16-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MYO18B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MYO7B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MYOC	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MYOD1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MYOT	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MYOZ3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MYT1L-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
MYZAP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NAA11	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NAALADL2-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NAALADL2-AS2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NAALADL2-AS3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NALCN	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NALCN-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NAMA	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NAP1L6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NAT8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NAT8B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NAV2-AS4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NAV2-AS5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NBPF11	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NBPF18P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NBPF4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NBPF6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NCALD	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NCF4	HGC_27con	HGC_27004	NOTEST	0	0	0	1

NCOA7-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NCR1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NCR2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NDFIP2-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NDP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NEBL-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NEDD8-MDP1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NEGR1-IT1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NEU2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NEURL1-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NEUROD4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NEUROD6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NEUROG1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NEUROG2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NEUROG3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NFIA-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NFIA-AS2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NGB	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NHLH2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NHS-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NINJ2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NIPAL2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NIPAL4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NKAIN4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NKAPL	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NKX1-1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NKX2-1-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NKX2-2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NKX2-3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NKX2-6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NKX2-8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NKX3-2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NKX6-2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NKX6-3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NLGN1-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NLGN4Y	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NLGN4Y-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NLRP1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NLRP10	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NLRP13	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NLRP4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NLRP5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NLRP7	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NLRP8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NMNAT2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NMRK2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NMS	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NMUR1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NMUR2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NOBOX	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NOL4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NOTO	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NOX3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NOX5	HGC_27con	HGC_27004	NOTEST	0	0	0	1

NPBWR1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NPBWR2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NPFFR1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NPHS2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NPIPA2,NPIPA3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NPIPA3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NPIPA7	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NPIPA8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NPIPB8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NPPB	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NPS	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NPSR1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NPTX2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NPVF	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NPY	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NPY2R	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NPY4R	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NPY5R	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NPY6R	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NROB2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NR1H4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NR2E1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NR3C1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NRAP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NREP-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NRG1-IT1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NRG1-IT3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NRG3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NRG3-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NRIR	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NRK	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NRSN1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NSFP1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NSUN7	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NTM	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NTM-IT	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NTRK3-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NTSR2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NUDT16P1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NUP210P1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NUPR1L	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NXF2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NXF2B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NXF3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NXF4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NXF5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NXPE1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NXPE2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NXPH2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
NYX	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OBP2A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OBP2B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OC90	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OCIAD2	HGC_27con	HGC_27004	NOTEST	0	0	0	1

OCM	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OCM2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OCSTAMP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ODAM	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ODF1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ODF3L1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ODF4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OIT3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OMP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OOEP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OOSP1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OOSP2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OPA1-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OPALIN	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OPCML	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OPN1LW	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PN1MW,OPN1MW	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OPN1MW2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OPN4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OPN5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR10A3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR10A6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR10A7	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR10AD1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR10AG1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR10C1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR10G2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR10G3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR10G4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR10G7	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR10G8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR10G9	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR10H1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR10H2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR10H3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR10H4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR10H5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR10J1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR10J3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR10J5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR10K1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR10K2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR10P1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR10Q1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR10R2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR10S1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR10T2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR10V1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR10W1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR10X1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR10Z1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR11A1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR11G2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR11H1	HGC_27con	HGC_27004	NOTEST	0	0	0	1

OR11H12	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR11H2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR11H4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR11H6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR11L1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR12D2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR12D3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR13A1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR13C2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR13C3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR13C4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR13C5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR13C8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR13C9	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR13D1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR13F1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR13G1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR13J1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR14A16	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR14C36	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR14I1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR14J1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR1A1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR1A2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR1B1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR1C1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR1D2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR1D4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR1D5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR1G1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR1I1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR1J2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR1J4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR1L1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR1L3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR1L4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR1L6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR1L8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR1M1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR1N1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR1N2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR1Q1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR1S1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR1S2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR2A1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR2A1-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR2A12	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR2A14	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR2A2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR2A20P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR2A25	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR2A4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR2A42	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR2A5	HGC_27con	HGC_27004	NOTEST	0	0	0	1

OR2A7	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR2A9P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR2AE1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR2AG1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR2AK2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR2AP1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR2AT4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR2B11	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR2B2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR2B3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR2C1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR2C3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR2D2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR2D3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR2F1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR2F2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR2G2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR2G3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR2G6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR2H1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR2J2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR2J3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR2K2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR2L2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR2L3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR2L5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR2L8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR2M1P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR2M2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR2M3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR2M4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR2M5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR2M7	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR2T1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR2T10	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR2T11	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR2T12	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR2T2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR2T27	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR2T29	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR2T3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR2T33	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR2T34	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR2T35	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR2T4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR2T5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR2T6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR2T8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR2V2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR2W1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR2W3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR2W5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR2Y1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR2Z1	HGC_27con	HGC_27004	NOTEST	0	0	0	1

OR4A15	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR4A16	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR4A47	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR4A5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR4B1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR4C11	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR4C12	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR4C15	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR4C16	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR4C3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR4C45	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR4C46	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR4C6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR4D1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR4D10	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR4D11	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR4D2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR4D5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR4D6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR4D9	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR4E2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR4F13P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR4F15	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR4F16	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR4F17	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR4F21	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR4F3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR4F4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR4F5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR4F6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR4K1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR4K13	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR4K14	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR4K15	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR4K17	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR4K2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR4K5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR4L1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR4M1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR4M2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR4N2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR4N3P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR4N5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR4P4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR4Q3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR4S1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR4S2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR4X1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR4X2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR51A2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR51A7	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR51B2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR51B6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR51D1	HGC_27con	HGC_27004	NOTEST	0	0	0	1

OR51E1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR51F1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR51F2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR51G1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR51G2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR51I1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR51I2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR51L1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR51M1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR51Q1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR51S1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR51T1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR51V1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR52A1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR52A5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR52B2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR52B4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR52B6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR52D1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR52E2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR52E4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR52E6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR52E8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR52I1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR52I2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR52J3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR52K1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR52K2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR52L1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR52M1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR52N1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR52N2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR52N4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR52N5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR52R1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR52W1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR56A1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR56A3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR56A4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR56A5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR56B1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR5A1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR5A2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR5AC2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR5AK2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR5AK4P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR5AN1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR5AP2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR5AR1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR5AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR5AU1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR5B12	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR5B17	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR5B2	HGC_27con	HGC_27004	NOTEST	0	0	0	1

OR5B21	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR5B3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR5C1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR5D13	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR5D14	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR5D16	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR5D18	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR5E1P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR5F1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR5H1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR5H14	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR5H15	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR5H2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR5H6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR5I1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR5J2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR5K1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR5K3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR5K4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR5L1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR5L2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR5M1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR5M10	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR5M11	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR5M3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR5M8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR5M9	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR5P2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR5P3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR5R1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR5T1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR5T2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR5T3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR5V1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR5W2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR6B1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR6B2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR6B3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR6C1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR6C2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR6C3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR6C4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR6C6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR6C65	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR6C68	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR6C70	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR6C74	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR6C75	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR6C76	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR6F1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR6K2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR6K3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR6K6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR6M1	HGC_27con	HGC_27004	NOTEST	0	0	0	1

OR6N1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR6N2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR6P1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR6Q1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR6S1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR6T1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR6V1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR6X1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR6Y1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR7A10	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR7A17	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR7A5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR7C1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR7C2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR7D4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR7E24	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR7E2P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR7E47P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR7E5P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR7G1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR7G2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR7G3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR8D4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR8H1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR8H2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR8H3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR8I2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR8J3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR8K3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR8K5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR8S1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR9A2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR9A4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR9G4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR9G9	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR9I1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR9K2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR9Q1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OR9Q2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ORM1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OSBPL10-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OSM	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OTC	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OTOA	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OTOL1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OTOP3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OTOR	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OTOS	HGC_27con	HGC_27004	NOTEST	0	0	0	1
OXGR1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
P2RX3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
P2RX5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
P2RX6P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
P2RY10	HGC_27con	HGC_27004	NOTEST	0	0	0	1
P2RY13	HGC_27con	HGC_27004	NOTEST	0	0	0	1

P2RY6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
P2RY8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
P4HA3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
P4HTM	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PABPC1L2A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PABPC1L2B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PABPC1L2B-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PABPC5-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PACERR	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PACRG-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PADI1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PADI4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PAEP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PAGE1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PAGE2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PAGE2B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PAGE3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PAGE4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PAGE5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PAMR1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PAPOLB	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PAQR9	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PAQR9-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PASD1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PATE1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PATE2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PATE3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PATE4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PAX4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PAX5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PAX8-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PBDC1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PBOV1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PCAT19	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PCAT29	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PCAT4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PCAT5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PCDH11X	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PCDH9-AS2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PCDH9-AS4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PCDHB1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PCED1B-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PCK1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PCNAP1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PCP4L1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PCSK1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PCSK2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PCYT1B-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PDCL2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PDE1B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PDE1C	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PDE6H	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PDE7B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PDHA2	HGC_27con	HGC_27004	NOTEST	0	0	0	1

PDILT	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PDK4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PDX1-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PDYN	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PDZK1P1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PEBP4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PEG3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PEG3-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PENK	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PER4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PF4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PF4V1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PFN3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PGA3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PGA4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PGA5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PGC	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PGCP1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PGK2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PGLYRP2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PGLYRP3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PGLYRP4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PGM5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PGM5-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PGM5P3-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PGR	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PHEX-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PHGR1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PHOX2B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PHYHIPL	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PI3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PIK3C2G	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PIK3CD-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PIK3CG	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PIK3R5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PIP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PISRT1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PIWIL1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PKD2L1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PLA1A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PLA2G12B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PLA2G1B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PLA2G2A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PLA2G2C	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PLA2G2D	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PLA2G2E	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PLA2G2F	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PLA2G4D	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PLA2G4F	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PLA2G5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PLA2G7	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PLBD1-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PLCXD1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PLCXD2-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1

PLCXD3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PLCZ1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PLEKHG7	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PLEKHS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PLET1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PLG	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PLGLA	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PLSCR2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PLSCR5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PM20D1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PMCHL1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PMS2P5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PNLDC1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PNLIP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PNLIPRP1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PNLIPRP2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PNLIPRP3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PNMA5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PNMT	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PNOC	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PNPLA5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
POM121L12	HGC_27con	HGC_27004	NOTEST	0	0	0	1
POM121L4P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
POMC	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PON1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PON3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
POTEA	HGC_27con	HGC_27004	NOTEST	0	0	0	1
POTEB,POTEB2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
POTEB2,POTEB3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
POTEB3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
POTEC	HGC_27con	HGC_27004	NOTEST	0	0	0	1
POTED	HGC_27con	HGC_27004	NOTEST	0	0	0	1
POTEG	HGC_27con	HGC_27004	NOTEST	0	0	0	1
POTEH	HGC_27con	HGC_27004	NOTEST	0	0	0	1
POTEH-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
POTEI	HGC_27con	HGC_27004	NOTEST	0	0	0	1
POTEJ	HGC_27con	HGC_27004	NOTEST	0	0	0	1
POTEKP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
POU1F1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
POU3F1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
POU3F4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
POU4F2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
POU5F2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
POU6F2-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PP12613	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PPBP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PPBPP2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PPEF1-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PPIAL4A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PPIAL4C	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PPIAL4E	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PPP1R16B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PPP1R17	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PPP1R2P9	HGC_27con	HGC_27004	NOTEST	0	0	0	1

PPP2R2B-IT1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PPP2R3B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PPP4R3CP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PPY	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PPY2P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PQLC2L	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PRAMEF1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PRAMEF10	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PRAMEF11	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PRAMEF14	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PRAMEF15	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RAMEF16,PRAMEF1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PRAMEF17	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PRAMEF19	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PRAMEF2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PRAMEF20	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PRAMEF22	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RAMEF25,PRAMEF2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PRAMEF26	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PRAMEF4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PRAMEF5,PRAMEF6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PRAMEF6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PRAMEF7	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PRAMEF8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PRB1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PRB2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PRB4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PRDM14	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PRDM8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PRG1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PRG2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PRG3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PRKACG	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PRKAG3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PRKCA-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PRKCB	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PRKG2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PRKX-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PRL	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PRLH	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PRLHR	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PRM1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PRM2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PRM3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PRMT8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PRNT	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PROK2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PROKR1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PROKR2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PROL1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PROP1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PRORY	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PROSER2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PRR20A	HGC_27con	HGC_27004	NOTEST	0	0	0	1

PRR20B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PRR21	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PRR23B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PRR23D1,PRR23D2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PRR23D2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PRR27	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PRR29	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PRR30	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PRR32	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PRR5-ARHGAP8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PRR9	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PRSS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PRSS21	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PRSS22	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PRSS3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PRSS30P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PRSS38	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PRSS3P2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PRSS41	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PRSS46	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PRSS48	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PRSS58	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PRY	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PRY2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PSAPL1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PSG1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PSG10P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PSG11	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PSG2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PSG3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PSG4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PSG5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PSG6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PSG7	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PSG8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PSG9	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PSKH2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PSMA8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PSORS1C3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PTCHD1-AS	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PTCHD3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PTCRA	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PTF1A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PTGDR	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PTGIR	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PTGIS	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PTH	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PTH2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PTH2R	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PTHLH	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PTPN20	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PTPRD-AS2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PTPRE	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PTPRN	HGC_27con	HGC_27004	NOTEST	0	0	0	1

PTPRR	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PTPRT	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PTPRZ1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PVALB	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PVRL4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PWAR1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PWAR4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PWAR5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
WARSN,SNORD10	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PWRN1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PWRN2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PWRN3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PWRN4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PYDC2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PYHIN1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PZP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
R3HDML	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RAB31	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RAB3C	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RAB40A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RAB44	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RAB4A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RAC2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RAD21L1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RAET1L	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RAI1-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RAMP1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RAMP2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RAMP3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RARRES1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RASGRF1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RASGRF2-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RAX	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RBBP8NL	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RBM12	HGC_27con	HGC_27004	FAIL	13.5484	16.1453	0	1
RBM24	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RBM46	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RBMS3-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
Y1A1,RBMY1B,RBM	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RBMY1A3P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RBMY1B,RBMY1E	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RBMY1D	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RBMY1E	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RBMY1F,RBMY1J	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RBMY1J	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RBMY2EP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RBMY2FP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RBMY3AP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RBP2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RBP3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RBP4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RBP7	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RBPJL	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RCSD1	HGC_27con	HGC_27004	NOTEST	0	0	0	1

RCVRN	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RD3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RD3L	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RDH8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RECK	HGC_27con	HGC_27004	NOTEST	0	0	0	1
REG1A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
REG1B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
REG1P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
REG3A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
REG3G	HGC_27con	HGC_27004	NOTEST	0	0	0	1
REG4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
REM1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
REN	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RESP18	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RETNLB	HGC_27con	HGC_27004	NOTEST	0	0	0	1
REXO1L2P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RFPL1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RFPL3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RFPL4A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RFPL4AL1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RFPL4B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RFX4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RFX6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RFX8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RGL3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RGN	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RGPD3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RGPD4-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RGPD5,RGPD8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RGPD6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RGR	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RGS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RGS4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RGS6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RGS7	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RGS7BP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RGS8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RGSL1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RHAG	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RHCG	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RHOD	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RHOH	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RHOXF1P1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RIIAD1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RIPK3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RIPPLY1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RIPPLY2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RLN1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RLN2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RLN3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RMDN2-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RNA45S5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RNA5-8S5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RNASE1	HGC_27con	HGC_27004	NOTEST	0	0	0	1

RNASE10	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RNASE11	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RNASE12	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RNASE13	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RNASE3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RNASE6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RNASE8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RNASE9	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RNF113B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RNF128	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RNF133	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RNF148	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RNF186	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RNF212	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RNF216-IT1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RNF219-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RNF225	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RNLS	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RNU1-13P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RNU12	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RNU4ATAC	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RNU5D-1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RNU5E-1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RNU5F-1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RNU6-16P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RNU6-19P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RNU6-2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RNU6-28P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RNU6-31P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RNU6-34P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RNU6-35P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RNU6-48P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RNU6-52P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RNU6-53P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RNU6-57P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RNU6-64P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RNU6-66P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RNU6-67P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RNU6-69P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RNU6-71P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RNU6-72P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RNU6-76P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RNU6-78P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RNU6-79P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RNU6-81P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RNU6-83P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RNU6ATAC	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RNU86	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RNY4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RNY5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ROPN1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ROPN1B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ROPN1L	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RORA-AS2	HGC_27con	HGC_27004	NOTEST	0	0	0	1

RP1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RP11-87M18.2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RPE65	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RPL29P2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RPL31P11	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RPL39L	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RPS17	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RPS4Y1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RPS4Y2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RPS6KA2-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RPS6KA2-IT1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RPS7P5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RPTN	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RRH	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RSPH6A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RSPO3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RSU1P2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RTL1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RTP1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RTP3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RTP5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RXFP1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RXFP2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RXFP3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RXRG	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RYR1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
S100A12	HGC_27con	HGC_27004	NOTEST	0	0	0	1
S100A7	HGC_27con	HGC_27004	NOTEST	0	0	0	1
S100A7A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
S100A7L2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
S100B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
S100G	HGC_27con	HGC_27004	NOTEST	0	0	0	1
S100Z	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SAA1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SAA3P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SAA4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SAG	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SAGE1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SALL1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SALRNA2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SALRNA3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SAMD12-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SAMD3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SAMD7	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SAMSN1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SAMSN1-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SASH3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SBF1P1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SCARNA11	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SCARNA14	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SCARNA18	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SCARNA23	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SCARNA3	HGC_27con	HGC_27004	NOTEST	0	0	0	1

SCEL-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SCGB1A1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SCGB1C2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SCGB1D1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SCGB1D2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SCGB1D4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SCGB2A1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SCGB2A2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SCGB3A1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SCGB3A2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SCML4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SCN10A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SCN1A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SCN7A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SCN9A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SCNN1B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SCNN1G	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SCP2D1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SCRT2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SCX	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SDC4P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SDR16C5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SDR16C6P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SDR42E1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SEC14L3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SEC14L6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SEL1L2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SELE	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SELP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SELV	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SEMG1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SEMG2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SENCR	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SENP7	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SEPT7	HGC_27con	HGC_27004	FAIL	49.949	52.1352	0	1
SERBP1	HGC_27con	HGC_27004	FAIL	89.8822	110.256	0	1
SERF2-C15ORF63	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SERP2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SERPINA10	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SERPINA11	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SERPINA12	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SERPINA13P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SERPINA2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SERPINA4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SERPINA5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SERPINA6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SERPINA7	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SERPINA9	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SERPINB10	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SERPINB11	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SERPINB12	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SERPINB13	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SERPINB2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SERPINB4	HGC_27con	HGC_27004	NOTEST	0	0	0	1

SERPINB5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SERPINB7	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SERPINE3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SERPINI2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SFTA2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SFTA3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SFPA1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SH2D4A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SH2D4B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SH3PXD2A-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SH3RF3-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SHANK2-AS3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SHCBP1L	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SHISA2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SHISA6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SHOX	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SI	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SIGLEC1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SIGLEC12	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SIGLEC14	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SIGLEC15	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SIGLEC5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SIGLEC6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SIGLEC7	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SIGLEC8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SIGLEC9	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SIGLECL1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SIM1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SIRPD	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SIRPG	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SIT1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SIX3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SIX3-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SKINTL	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SKOR2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SKP1P2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLA	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLAMF1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLAMF7	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLAMF8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC10A2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC10A6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC12A1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC13A2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC13A5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC14A2-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC15A5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC16A12-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC17A1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC17A2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC17A3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC17A4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC17A8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC17A9	HGC_27con	HGC_27004	NOTEST	0	0	0	1

SLC18A1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC18A3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC1A6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC1A7	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC22A1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC22A10	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC22A12	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC22A16	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC22A2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC22A24	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC22A3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC22A6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC22A7	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC22A8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC22A9	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC25A2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC25A3P1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC25A51P1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC25A6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC26A9	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC28A1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC2A10	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC2A2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC2A7	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC2A9	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC30A10	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC32A1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC34A1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC34A2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC35F3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC35G2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC35G4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC36A3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC38A11	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC38A8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC39A12	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC39A12-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC44A3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC45A2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC47A1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC4A10	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC51B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC52A3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC5A10	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC5A11	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC5A7	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC5A8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC5A9	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC6A1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC6A1-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC6A11	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC6A14	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC6A19	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC6A2	HGC_27con	HGC_27004	NOTEST	0	0	0	1

SLC6A3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC6A5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC6A7	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC7A13	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC7A3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC8A3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC9A7P1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC9A9-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC9C1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLC9C2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLCO1B3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLCO1B7	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLCO2B1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLFN11	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLFN12	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLFN12L	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLIT1-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLITRK2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLN	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLX1A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLX1B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SLX1B-SULT1A4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SMAD1-AS2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SMCP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SMIM10	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SMIM10L2A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SMIM2-IT1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SMIM21	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SMIM23	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SMIM9	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SMOC1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SMPX	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SMR3A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SMR3B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNAR-A11	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNAR-A13	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNAR-A14	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNAR-A2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNAR-A3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNAR-A5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNAR-A8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNAR-B1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNAR-B2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNAR-C1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNAR-C2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNAR-C3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNAR-C4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNAR-D	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNAR-E	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNAR-G2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNAR-H	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNAR-I	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNHG24	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNORA11	HGC_27con	HGC_27004	NOTEST	0	0	0	1

SNORA11B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNORA11C	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNORA11D	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNORA11E	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNORA14A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNORA30	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNORA35	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNORA36B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNORA36C	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNORA38	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNORA38B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNORA46	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNORA49	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNORA54	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNORA59B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNORA60	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNORA69	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNORA70B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNORA70C	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNORA70D	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNORA70E	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNORA70F	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNORA70G	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNORA74B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNORA78	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNORA79	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNORA80A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNORD100	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNORD101	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNORD102	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNORD103B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNORD105	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNORD105B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNORD107	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNORD108	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNORD109A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNORD110	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNORD111	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNORD111B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNORD113-1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNORD113-2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNORD113-4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNORD113-5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNORD113-6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNORD113-7	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNORD113-9	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNORD114-1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNORD114-10	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNORD114-11	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNORD114-12	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNORD114-13	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNORD114-14	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNORD114-15	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNORD114-16	HGC_27con	HGC_27004	NOTEST	0	0	0	1

SNORD80	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNORD81	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNORD82	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNORD85	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNORD86	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNORD87	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNORD9	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNORD90	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNORD91A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNORD91B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNORD92	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNORD95	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNORD96A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNORD96B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNORD98	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNRPD2P2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNRPN	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNTG1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNTG2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNTN	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNURF	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SNX31	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SOD3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SOHLH1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SORCS3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SORCS3-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SOWAHB	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SOX1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SOX14	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SOX17	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SOX21	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SOX3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SOX30	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SOX5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SOX9-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SPACA1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SPACA3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SPACA5,SPACA5B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SPACA5B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SPACA7	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SPAG11A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SPAG11B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SPAM1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SPANXA1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SPANXB1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SPANXC,SPANXD	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SPANXD	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SPANXN1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SPANXN2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SPANXN3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SPANXN4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SPANXN5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SPATA12	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SPATA13-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1

SPATA16	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SPATA19	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SPATA21	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SPATA3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SPATA31A1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SPATA31A3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ATA31A5,SPATA31	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SPATA31A6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SPATA31A7	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SPATA31C1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SPATA31D1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SPATA31D3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SPATA31D4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SPATA31D5P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SPATA31E1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SPATA42	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SPATA8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SPATA8-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SPATC1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SPATS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SPDYC	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SPDYE4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SPEM1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SPESP1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SPG20-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SPHAR	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SPHKAP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SPIC	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SPINK13	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SPINK14	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SPINK2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SPINK6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SPINK7	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SPINK8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SPINK9	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SPINT3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SPINT4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SPO11	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SPP1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SPP2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SPPL2C	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SPRR1A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SPRR2A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SPRR2B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SPRR2C	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SPRR2D	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SPRR2E	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SPRR2F	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SPRR2G	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SPRR4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SPRY4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SPRY4-IT1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SPTA1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SPTSSB	HGC_27con	HGC_27004	NOTEST	0	0	0	1

SPZ1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SRGAP2	HGC_27con	HGC_27004	FAIL	13.5252	14.5163	0	1
SRGAP2C	HGC_27con	HGC_27004	FAIL	1.53334	1.62287	0	1
SRGAP2D	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SRGAP3-AS3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SRY	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SST	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SSTR1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SSTR3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SSTR4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SSX1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SSX2,SSX2B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SSX2B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SSX3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SSX4,SSX4B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SSX4B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SSX5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SSX6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SSX7	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SSX8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SSX9	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ST14	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ST18	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ST3GAL6-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ST6GALNAC1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ST6GALNAC5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ST8SIA2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ST8SIA6-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
STAB1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
STAP1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
STARD13-AS	HGC_27con	HGC_27004	NOTEST	0	0	0	1
STEAP2-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
STK31	HGC_27con	HGC_27004	NOTEST	0	0	0	1
STMN4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
STMND1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
STOML3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
STON1-GTF2A1L	HGC_27con	HGC_27004	NOTEST	0	0	0	1
STX16-NPEPL1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
STX18-IT1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
STX19	HGC_27con	HGC_27004	NOTEST	0	0	0	1
STYK1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SULT1A3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SULT1A4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SULT1B1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SULT1C2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SULT1C2P1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SULT1C3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SULT1C4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SULT1E1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SULT2A1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SULT6B1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SUMO1P1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SUN3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SUN5	HGC_27con	HGC_27004	NOTEST	0	0	0	1

SUPT20HL1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SVILP1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SVOPL	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SYCE1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SYCN	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SYCP1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SYN3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SYNJ2-IT1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SYNPR	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SYNPR-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SYT14P1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SYT16	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SYT6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SYT8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SYT9	HGC_27con	HGC_27004	NOTEST	0	0	0	1
SYTL5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
T	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TAAR1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TAAR2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TAAR3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TAAR5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TAAR8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TAAR9	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TAC1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TAL1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TARM1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TARP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TAS1R2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TAS2R1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TAS2R16	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TAS2R38	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TAS2R39	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TAS2R41	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TAS2R60	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TAS2R7	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TAS2R8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TAS2R9	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TBATA	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TBC1D21	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TBC1D28	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TBC1D3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TBC1D3B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TBC1D3C	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TBC1D3F	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TBC1D3H,TBC1D3L	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TBC1D3P5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TBL1Y	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TBPL2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TBR1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TBX18	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TBX22	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TCAF2P1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TCEAL2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TCEAL5	HGC_27con	HGC_27004	NOTEST	0	0	0	1

TCEAL6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TCEAL7	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TCEB3C,TCEB3CL	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TCEB3CL2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TCERG1L	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TCERG1L-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TCF15	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TCF21	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TCF23	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TCHHL1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TCL1A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TCL1B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TCL6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TCN1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TCONS_00029157	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TCP10	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TCP10L2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TCP11	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TCP11X2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TDGF1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TDGF1P3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TDH	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TDRD1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TDRD10	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TDRD15	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TDRD5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TDRG1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TDRP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TECRL	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TECTB	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TEKT1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TEPP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TESC-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TESPA1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TET2-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TEX11	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TEX13A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TEX13B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TEX26	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TEX26-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TEX28	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TEX29	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TEX33	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TEX37	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TEX38	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TEX43	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TFAP2B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TFAP2D	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TFCP2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TFDP3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TFF2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TFF3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TG	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TGFA-IT1	HGC_27con	HGC_27004	NOTEST	0	0	0	1

TGIF2LX	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TGIF2LY	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TGM5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TGM6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TGM7	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TH	HGC_27con	HGC_27004	NOTEST	0	0	0	1
THCAT155	HGC_27con	HGC_27004	NOTEST	0	0	0	1
THEG5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
THEGL	HGC_27con	HGC_27004	NOTEST	0	0	0	1
THEMIS	HGC_27con	HGC_27004	NOTEST	0	0	0	1
THNSL2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
THRA1/BTR	HGC_27con	HGC_27004	NOTEST	0	0	0	1
THSD4-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
THSD4-AS2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TICAM2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TIE1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TIFAB	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TIGIT	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TIMD4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TIMP4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TINAG	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TISP43	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TKTL2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TLR4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TLR8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TM4SF1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TM4SF1-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TM4SF18	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TM4SF4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TM6SF1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TM6SF2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TMCO2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TMCO5A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TMED11P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TMEM108-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TMEM114	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TMEM125	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TMEM132C	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TMEM132D	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TMEM14E	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TMEM155	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TMEM171	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TMEM174	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TMEM176A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TMEM196	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TMEM200A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TMEM202	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TMEM207	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TMEM211	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TMEM212-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TMEM215	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TMEM225	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TMEM229A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TMEM233	HGC_27con	HGC_27004	NOTEST	0	0	0	1

TMEM236	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TMEM239	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TMEM244	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TMEM246-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TMEM247	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TMEM252	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TMEM257	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TMEM30C	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TMEM71	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TMEM72	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TMEM72-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TMEM82	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TMEM8C	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TMEM95	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TMIE	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TMIGD1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TMIGD3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TMLHE-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TMPRSS11BNL	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TMPRSS11D	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TMPRSS11E	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TMPRSS11F	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TMPRSS11GP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TMPRSS12	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TMPRSS2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TMPRSS4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TMPRSS4-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TMPRSS7	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TMSB4Y	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TMX2-CTNND1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TNFAIP6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TNFRSF10C	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TNFRSF13B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TNFRSF1B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TNFSF11	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TNFSF12	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TNFSF12-TNFSF13	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TNFSF18	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TNFSF8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TNMD	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TNN	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TNNI2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TNNI3K	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TNNT3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TNP1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TNP2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TNR	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TNS4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TNXA	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TNXB	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TOP1P2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TOPAZ1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TP53TG3,TP53TG3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TP53TG3B	HGC_27con	HGC_27004	NOTEST	0	0	0	1

TP53TG3C	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TPD52L3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TPPP2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TPRX1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TPRXL	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TPTE2P3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TRAF3IP3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TRAPPC3L	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TRAT1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TREM1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TREM2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TREML1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TREML2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TREML4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TREML5P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TRERNA1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TRH	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TRHDE-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TRHR	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TRIM31	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TRIM31-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TRIM40	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TRIM42	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TRIM43	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TRIM43B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TRIM49	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TRIM49C	HGC_27con	HGC_27004	NOTEST	0	0	0	1
RIM49D1,TRIM49D	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TRIM49D2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TRIM53AP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TRIM55	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TRIM6-TRIM34	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TRIM60	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TRIM64	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TRIM64B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TRIM64C	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TRIM77	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TRIML1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TRPA1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TRPC2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TRPC5OS	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TRPC6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TRPC7	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TRPM2-AS	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TRY2P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TSHB	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TSKS	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TSPAN2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TSPAN8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TSPY1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TSPY10,TSPY3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TSPY2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TSPY3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TSPY4	HGC_27con	HGC_27004	NOTEST	0	0	0	1

TSPY8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TSPYL5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TTC21B-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TTC23L	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TTC39A-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TTLL10	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TTLL2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TTR	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TTY10	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TTY11	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TTY12	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TTY13	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TTY14	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TTY15	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TTY16	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TTY17A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TTY17B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TTY18	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TTY19	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TTY1B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TTY20	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TTY21	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TTY22	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TTY23	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TTY2B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TTY3B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TTY4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TTY4C	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TTY5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TTY6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TTY6B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TTY7,TTY7B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TTY7B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TTY8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TTY9A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TTY9B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TUB-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TUBA3C	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TUBA4B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TUBAL3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TUNAR	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TUSC1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TUSC3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TUSC5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TUSC7	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TUSC8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TWIST2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TXLNGY	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TXNDC2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TXNDC8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TXNRD3NB	HGC_27con	HGC_27004	NOTEST	0	0	0	1
TYRP1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
UBASH3A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
UBD	HGC_27con	HGC_27004	NOTEST	0	0	0	1

UBE2DNL	HGC_27con	HGC_27004	NOTEST	0	0	0	1
UBE2E4P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
UBE2NL	HGC_27con	HGC_27004	NOTEST	0	0	0	1
UBE2Q2P2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
UBE2QL1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
UBE2U	HGC_27con	HGC_27004	NOTEST	0	0	0	1
UBL4B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
UBQLN3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
UBTFL1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
UBXN10	HGC_27con	HGC_27004	NOTEST	0	0	0	1
UBXN10-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
UCHL1-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
UCMA	HGC_27con	HGC_27004	NOTEST	0	0	0	1
UCN3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
UCP1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
UG0898H09	HGC_27con	HGC_27004	NOTEST	0	0	0	1
UGT1A1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
UGT1A3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
UGT1A4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
UGT1A5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
UGT1A9	HGC_27con	HGC_27004	NOTEST	0	0	0	1
UGT2A1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
UGT2A2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
UGT2A3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
UGT2B10	HGC_27con	HGC_27004	NOTEST	0	0	0	1
UGT2B11	HGC_27con	HGC_27004	NOTEST	0	0	0	1
UGT2B17	HGC_27con	HGC_27004	NOTEST	0	0	0	1
UGT2B28	HGC_27con	HGC_27004	NOTEST	0	0	0	1
UGT2B7	HGC_27con	HGC_27004	NOTEST	0	0	0	1
UGT3A1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ULK4P1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ULK4P3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
UMOD	HGC_27con	HGC_27004	NOTEST	0	0	0	1
UMODL1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
UMODL1-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
UNC45B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
UNC80	HGC_27con	HGC_27004	NOTEST	0	0	0	1
UNC93A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
UNQ6494	HGC_27con	HGC_27004	NOTEST	0	0	0	1
UPK3A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
UPP2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
URAD	HGC_27con	HGC_27004	NOTEST	0	0	0	1
USH1C	HGC_27con	HGC_27004	NOTEST	0	0	0	1
USHBP1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
USP12-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
USP17L1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
USP17L10	HGC_27con	HGC_27004	NOTEST	0	0	0	1
USP17L11	HGC_27con	HGC_27004	NOTEST	0	0	0	1
USP17L12	HGC_27con	HGC_27004	NOTEST	0	0	0	1
USP17L13	HGC_27con	HGC_27004	NOTEST	0	0	0	1
USP17L17	HGC_27con	HGC_27004	NOTEST	0	0	0	1
USP17L18	HGC_27con	HGC_27004	NOTEST	0	0	0	1
USP17L19	HGC_27con	HGC_27004	NOTEST	0	0	0	1
USP17L2	HGC_27con	HGC_27004	NOTEST	0	0	0	1

USP17L20	HGC_27con	HGC_27004	NOTEST	0	0	0	1
USP17L21	HGC_27con	HGC_27004	NOTEST	0	0	0	1
USP17L22	HGC_27con	HGC_27004	NOTEST	0	0	0	1
USP17L25	HGC_27con	HGC_27004	NOTEST	0	0	0	1
USP17L26	HGC_27con	HGC_27004	NOTEST	0	0	0	1
USP17L29	HGC_27con	HGC_27004	NOTEST	0	0	0	1
USP17L3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
USP17L30	HGC_27con	HGC_27004	NOTEST	0	0	0	1
USP17L4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
USP17L5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
USP17L6P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
USP17L7	HGC_27con	HGC_27004	NOTEST	0	0	0	1
USP17L8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
USP17L9P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
USP26	HGC_27con	HGC_27004	NOTEST	0	0	0	1
USP29	HGC_27con	HGC_27004	NOTEST	0	0	0	1
USP9Y	HGC_27con	HGC_27004	NOTEST	0	0	0	1
UTY	HGC_27con	HGC_27004	NOTEST	0	0	0	1
VAMP7	HGC_27con	HGC_27004	NOTEST	0	0	0	1
VAT1L	HGC_27con	HGC_27004	NOTEST	0	0	0	1
VAV1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
VAX1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
VCX	HGC_27con	HGC_27004	NOTEST	0	0	0	1
VCX2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
VCX3A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
VCY,VCY1B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
VCY1B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
VENTXP1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
VENTXP7	HGC_27con	HGC_27004	NOTEST	0	0	0	1
VGLL1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
VGLL3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
VHLL	HGC_27con	HGC_27004	NOTEST	0	0	0	1
VILL	HGC_27con	HGC_27004	NOTEST	0	0	0	1
VIP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
VIPR1-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
VIPR2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
VN1R10P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
VN1R5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
VNN1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
VNN2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
VNN3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
VPREB1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
VPS13A-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
VRTN	HGC_27con	HGC_27004	NOTEST	0	0	0	1
VSIG4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
VSIG8	HGC_27con	HGC_27004	NOTEST	0	0	0	1
VSTM1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
VSTM2A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
VSTM2A-OT1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
VSTM5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
VSX1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
VSX2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
VTRNA1-1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
VTRNA1-2	HGC_27con	HGC_27004	NOTEST	0	0	0	1

VTRNA1-3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
VTRNA2-1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
VWA2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
VWA3A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
VWA5B1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
VWC2L	HGC_27con	HGC_27004	NOTEST	0	0	0	1
VWC2L-IT1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
WBP11P1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
WBP2NL	HGC_27con	HGC_27004	NOTEST	0	0	0	1
WBSCR28	HGC_27con	HGC_27004	NOTEST	0	0	0	1
WDFY4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
WDR38	HGC_27con	HGC_27004	NOTEST	0	0	0	1
WDR64	HGC_27con	HGC_27004	NOTEST	0	0	0	1
WDR87	HGC_27con	HGC_27004	NOTEST	0	0	0	1
WFDC10A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
WFDC10B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
WFDC11	HGC_27con	HGC_27004	NOTEST	0	0	0	1
WFDC12	HGC_27con	HGC_27004	NOTEST	0	0	0	1
WFDC13	HGC_27con	HGC_27004	NOTEST	0	0	0	1
WFDC2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
WFDC5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
WFDC6	HGC_27con	HGC_27004	NOTEST	0	0	0	1
WFDC9	HGC_27con	HGC_27004	NOTEST	0	0	0	1
WI2-237311.2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
WISP1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
WNT1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
WNT7A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
WNT8A	HGC_27con	HGC_27004	NOTEST	0	0	0	1
WNT9B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
WSCD2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
WSPAR	HGC_27con	HGC_27004	NOTEST	0	0	0	1
WWC2-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
XACT	HGC_27con	HGC_27004	NOTEST	0	0	0	1
XAGE1B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
XAGE1E	HGC_27con	HGC_27004	NOTEST	0	0	0	1
XAGE2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
XAGE3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
XAGE5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
XCR1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
XGY2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
XIRP1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
XIRP2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
XIRP2-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
XKR4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
XKRY	HGC_27con	HGC_27004	NOTEST	0	0	0	1
XKRY2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
XLOC_007697	HGC_27con	HGC_27004	NOTEST	0	0	0	1
XLOC_008559	HGC_27con	HGC_27004	NOTEST	0	0	0	1
XLOC_009911	HGC_27con	HGC_27004	NOTEST	0	0	0	1
XXYLT1-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
YIPF7	HGC_27con	HGC_27004	NOTEST	0	0	0	1
YWHAEP7	HGC_27con	HGC_27004	NOTEST	0	0	0	1
YY1P2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ZAN	HGC_27con	HGC_27004	NOTEST	0	0	0	1

ZASP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ZBBX	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ZBED1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ZBED2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ZBP1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ZBTB16	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ZBTB20-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ZBTB20-AS3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ZBTB20-AS4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ZC2HC1B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ZCCHC13	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ZCCHC16	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ZCCHC5	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ZDHHC19	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ZFP57	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ZFP91-CNTF	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ZFR2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ZFX-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ZG16	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ZIM2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ZIM2-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ZIM3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ZNF135	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ZNF141	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ZNF157	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ZNF204P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ZNF208	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ZNF256	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ZNF257	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ZNF300P1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ZNF32-AS3	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ZNF385D	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ZNF385D-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ZNF385D-AS2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ZNF415	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ZNF418	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ZNF454	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ZNF479	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ZNF488	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ZNF518B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ZNF560	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ZNF610	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ZNF630	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ZNF630-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ZNF645	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ZNF658B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ZNF663P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ZNF676	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ZNF679	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ZNF683	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ZNF702P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ZNF705B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ZNF705G	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ZNF726	HGC_27con	HGC_27004	NOTEST	0	0	0	1

ZNF729	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ZNF733P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ZNF735	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ZNF793-AS1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ZNF812	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ZNF826P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ZNF831	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ZNF844	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ZNF847P	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ZNF99	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ZNRF4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ZP1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ZP2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ZP4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ZPBP	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ZPBP2	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ZSCAN1	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ZSCAN4	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ZSCAN5B	HGC_27con	HGC_27004	NOTEST	0	0	0	1
ZXDA	HGC_27con	HGC_27004	NOTEST	0	0	0	1
PIAS3	HGC_27con	HGC_27004	OK	19.5884	19.5886	9.03532E-06	0.9992
CYP2W1	HGC_27con	HGC_27004	OK	0.60373	0.60376	7.74503E-05	0.9663
PPP2R2D	HGC_27con	HGC_27004	OK	3.22906	3.22929	0.000101532	0.9972
CTNBL1	HGC_27con	HGC_27004	OK	16.7054	16.7068	0.000120962	0.998
LINC01560	HGC_27con	HGC_27004	OK	1.27525	1.27537	0.000140604	0.9897
ZNF778	HGC_27con	HGC_27004	OK	0.94119	0.94141	0.00034811	0.9993
INF2	HGC_27con	HGC_27004	OK	31.0061	31.014	0.000369164	0.9983
ZSCAN26	HGC_27con	HGC_27004	OK	4.22399	4.22557	0.000541424	0.9986
SMARCE1	HGC_27con	HGC_27004	OK	35.0017	35.015	0.0005477	0.9978
LIMD1-AS1	HGC_27con	HGC_27004	OK	4.11168	4.11345	0.000620639	0.9958
SLC4A11	HGC_27con	HGC_27004	OK	3.42582	3.42737	0.000651513	0.9986
ROR1-AS1	HGC_27con	HGC_27004	NOTEST	0.19065	0.19074	0.00065778	1
UBE2E3	HGC_27con	HGC_27004	OK	28.0057	28.0189	0.000679405	0.9978
FLT1	HGC_27con	HGC_27004	NOTEST	0.02189	0.0219	0.00069551	1
TMEM223	HGC_27con	HGC_27004	OK	25.6965	25.7097	0.000739929	0.9973
CHD6	HGC_27con	HGC_27004	OK	3.85643	3.8587	0.000848177	0.998
APOBEC3F	HGC_27con	HGC_27004	OK	3.02264	3.02455	0.000910941	0.998
UFL1	HGC_27con	HGC_27004	OK	10.2868	10.2934	0.000923559	0.9977
MRE11A	HGC_27con	HGC_27004	OK	6.18039	6.18486	0.00104289	0.997
RPS27L	HGC_27con	HGC_27004	OK	19.094	19.1083	0.00107502	0.9965
NTPCR	HGC_27con	HGC_27004	OK	26.7093	26.7297	0.00109844	0.9971
NENF	HGC_27con	HGC_27004	OK	34.2975	34.3248	0.00114498	0.9962
DCTN6	HGC_27con	HGC_27004	OK	30.7268	30.7517	0.00116818	0.9987
HEATR5B	HGC_27con	HGC_27004	OK	7.22404	7.2299	0.00116881	0.9945
DDHD1	HGC_27con	HGC_27004	OK	4.32942	4.33297	0.00118225	0.9963
PTPN13	HGC_27con	HGC_27004	OK	19.3308	19.3478	0.00127001	0.996
RNPC3	HGC_27con	HGC_27004	OK	5.70356	5.70867	0.00128973	0.9953
MAGEE1	HGC_27con	HGC_27004	NOTEST	0.22046	0.22065	0.00129221	1
ERC1	HGC_27con	HGC_27004	OK	7.67409	7.6818	0.00144749	0.9963
PTGER4	HGC_27con	HGC_27004	NOTEST	0.0356	0.03564	0.00145102	1
LINC01317	HGC_27con	HGC_27004	NOTEST	0.09627	0.09637	0.00146386	1
RWDD4	HGC_27con	HGC_27004	OK	19.6966	19.7169	0.00148678	0.995
WASF2	HGC_27con	HGC_27004	OK	17.0566	17.0743	0.00148868	0.9952
BCAP29	HGC_27con	HGC_27004	OK	6.85081	6.85799	0.00151106	0.9959

NOL4L	HGC_27con	HGC_27004	OK	6.67646	6.68384	0.00159321	0.995
PYGO2	HGC_27con	HGC_27004	OK	21.1616	21.1849	0.00159357	0.9957
MINOS1	HGC_27con	HGC_27004	OK	12.1267	12.1404	0.00162622	0.9964
FKBP9	HGC_27con	HGC_27004	OK	66.8476	66.9231	0.00162897	0.9946
FBN2	HGC_27con	HGC_27004	OK	6.45311	6.46048	0.00164587	0.9943
ATPAF2	HGC_27con	HGC_27004	OK	10.9268	10.9399	0.00171787	0.9962
SHF	HGC_27con	HGC_27004	OK	2.17657	2.17917	0.00172222	0.9967
LINC01501	HGC_27con	HGC_27004	NOTEST	0.03771	0.03776	0.00175966	1
STX16	HGC_27con	HGC_27004	OK	22.4074	22.4365	0.00187268	0.994
ROR2	HGC_27con	HGC_27004	OK	15.5897	15.6101	0.00189029	0.9933
NFATC2IP	HGC_27con	HGC_27004	OK	10.4019	10.4162	0.00198385	0.9945
RPP38	HGC_27con	HGC_27004	OK	17.1085	17.1325	0.00202045	0.9951
CCT3	HGC_27con	HGC_27004	OK	218.16	218.492	0.00218927	0.9925
THRB	HGC_27con	HGC_27004	OK	2.62459	2.62862	0.0022121	0.9946
DIRC3	HGC_27con	HGC_27004	NOTEST	0.12416	0.12435	0.00222712	1
ITGB3BP	HGC_27con	HGC_27004	OK	26.0773	26.12	0.00236074	0.9935
CALR3	HGC_27con	HGC_27004	NOTEST	0.02283	0.02286	0.00241753	1
ACACB	HGC_27con	HGC_27004	OK	3.71295	3.71928	0.00245902	0.9924
LINC00493	HGC_27con	HGC_27004	OK	59.8729	59.9756	0.00247281	0.9949
PTPN1	HGC_27con	HGC_27004	OK	15.6503	15.6773	0.0024848	0.9923
SETD1B	HGC_27con	HGC_27004	OK	3.72176	3.72819	0.00248822	0.9933
EXTL2	HGC_27con	HGC_27004	OK	12.5752	12.5972	0.0025209	0.9922
CDC14B	HGC_27con	HGC_27004	OK	14.2253	14.2503	0.00252825	0.9932
ZBED6	HGC_27con	HGC_27004	OK	10.6038	10.6228	0.00258253	0.9966
LOC101927770	HGC_27con	HGC_27004	NOTEST	0.01575	0.01578	0.00262821	1
SPTBN1	HGC_27con	HGC_27004	OK	23.5826	23.6264	0.00267709	0.9929
CHRM5	HGC_27con	HGC_27004	NOTEST	0.01025	0.01027	0.00274801	1
CLPTM1	HGC_27con	HGC_27004	OK	27.772	27.8256	0.00278084	0.9918
HIPK3	HGC_27con	HGC_27004	OK	6.04697	6.05872	0.00279958	0.9924
LOC101927230	HGC_27con	HGC_27004	NOTEST	0.08893	0.08911	0.00283488	1
PCDHGA2	HGC_27con	HGC_27004	NOTEST	0.16048	0.1608	0.0028612	1
POLR2E	HGC_27con	HGC_27004	OK	43.7563	43.8439	0.0028857	0.991
LINC01604	HGC_27con	HGC_27004	OK	7.62222	7.63772	0.00293194	0.9968
ETV2	HGC_27con	HGC_27004	OK	3.39052	3.39745	0.00294281	0.9945
SNAI3	HGC_27con	HGC_27004	NOTEST	0.2686	0.26915	0.00296468	1
ZNF850	HGC_27con	HGC_27004	OK	0.83343	0.83519	0.00304298	0.9937
VPS4B	HGC_27con	HGC_27004	OK	10.8965	10.9196	0.00305505	0.9917
CSAG1	HGC_27con	HGC_27004	OK	36.4199	36.4975	0.00306976	0.9914
CLSTN2-AS1	HGC_27con	HGC_27004	NOTEST	0.01161	0.01163	0.0030759	1
RBM10	HGC_27con	HGC_27004	OK	19.8086	19.8509	0.00307724	0.9911
RBM11	HGC_27con	HGC_27004	OK	1.70796	1.71161	0.00308066	0.9885
SEPT7P2	HGC_27con	HGC_27004	OK	4.26473	4.27403	0.00314224	0.9941
SYNJ2	HGC_27con	HGC_27004	OK	1.71028	1.71413	0.00324265	0.9933
UBQLN2	HGC_27con	HGC_27004	OK	14.9519	14.9866	0.00333592	0.9913
PCBP2	HGC_27con	HGC_27004	OK	381.719	382.603	0.00333972	0.9896
DOLK	HGC_27con	HGC_27004	OK	10.1951	10.2187	0.00334449	0.9966
PRND	HGC_27con	HGC_27004	NOTEST	0.03821	0.0383	0.00338852	1
RBSN	HGC_27con	HGC_27004	OK	7.03878	7.05536	0.00339395	0.9905
TGOLN2	HGC_27con	HGC_27004	OK	33.1224	33.2014	0.00343831	0.9893
TRIOBP	HGC_27con	HGC_27004	OK	13.0812	13.1125	0.00344883	0.991
SF3B6	HGC_27con	HGC_27004	OK	76.6102	76.7942	0.00346257	0.9897
VPS26B	HGC_27con	HGC_27004	OK	14.4113	14.4472	0.00358866	0.9907
MGC2889	HGC_27con	HGC_27004	NOTEST	0.05364	0.05377	0.0036303	1
RBFOX1	HGC_27con	HGC_27004	OK	0.79339	0.79539	0.00363412	0.9937

TBC1D19	HGC_27con	HGC_27004	OK	1.08212	1.08485	0.00363817	0.9886
SP8	HGC_27con	HGC_27004	OK	30.1248	30.2016	0.00367102	0.9886
ZNF710	HGC_27con	HGC_27004	OK	3.55896	3.56804	0.00367479	0.9898
ATP13A5-AS1	HGC_27con	HGC_27004	NOTEST	0.07855	0.07875	0.00368949	1
CTBP1-AS2	HGC_27con	HGC_27004	OK	6.46359	6.48022	0.00370676	0.9917
PAPSS1	HGC_27con	HGC_27004	OK	19.7278	19.7787	0.00372039	0.9896
INPP5B	HGC_27con	HGC_27004	OK	16.5394	16.5824	0.00374018	0.9896
PLCB1	HGC_27con	HGC_27004	OK	7.68829	7.70937	0.00395073	0.9891
NDOR1	HGC_27con	HGC_27004	OK	12.1822	12.2158	0.00398381	0.9884
OVAAL	HGC_27con	HGC_27004	NOTEST	0.04342	0.04355	0.00400194	1
SHISA9	HGC_27con	HGC_27004	OK	1.7784	1.78342	0.00406788	0.9905
LOC90784	HGC_27con	HGC_27004	OK	6.36792	6.38593	0.00407405	0.9908
SLC25A26	HGC_27con	HGC_27004	OK	4.96398	4.97809	0.00409442	0.9947
GSTO1	HGC_27con	HGC_27004	OK	29.4965	29.5822	0.00418331	0.9886
C5	HGC_27con	HGC_27004	OK	2.41095	2.418	0.00421481	0.9887
HIPK2	HGC_27con	HGC_27004	OK	3.31481	3.32464	0.00427055	0.9882
DNAJC12	HGC_27con	HGC_27004	OK	7.3295	7.35144	0.00431176	0.9921
LOC105378732	HGC_27con	HGC_27004	OK	0.36394	0.36504	0.00435607	0.8789
VPS53	HGC_27con	HGC_27004	OK	4.35427	4.36754	0.00438933	0.9899
MEP1B	HGC_27con	HGC_27004	NOTEST	0.01343	0.01347	0.00438997	1
MON2	HGC_27con	HGC_27004	OK	4.17986	4.19267	0.00441315	0.9875
COX6C	HGC_27con	HGC_27004	OK	99.4992	99.8077	0.00446544	0.9876
SEPT2	HGC_27con	HGC_27004	OK	71.7153	71.9392	0.00449665	0.9911
APEX2	HGC_27con	HGC_27004	OK	23.5086	23.5824	0.00451835	0.9883
ATP6V1G1	HGC_27con	HGC_27004	OK	54.6827	54.8543	0.00452016	0.9872
TOMM5	HGC_27con	HGC_27004	OK	73.3989	73.6295	0.00452376	0.9867
MARVELD2	HGC_27con	HGC_27004	NOTEST	0.01426	0.0143	0.00462828	1
NIPA1	HGC_27con	HGC_27004	OK	6.81693	6.83884	0.00463012	0.9875
MC4R	HGC_27con	HGC_27004	NOTEST	0.0278	0.02789	0.00465759	1
NKX6-1	HGC_27con	HGC_27004	OK	16.8701	16.9249	0.00467973	0.9864
IL17RB	HGC_27con	HGC_27004	OK	2.96714	2.97683	0.00470343	0.9923
MTMR14	HGC_27con	HGC_27004	OK	8.84294	8.87216	0.00475936	0.9884
ESCO2	HGC_27con	HGC_27004	OK	3.90135	3.91426	0.00476464	0.9881
RPS6KA2	HGC_27con	HGC_27004	OK	3.88853	3.90159	0.00483406	0.9876
HEBP2	HGC_27con	HGC_27004	OK	14.8414	14.8913	0.00485097	0.9881
DIS3L2	HGC_27con	HGC_27004	OK	7.32626	7.35097	0.00485858	0.987
LOC101928103	HGC_27con	HGC_27004	OK	0.39667	0.398	0.00486366	0.972
FAM92A1	HGC_27con	HGC_27004	OK	12.8144	12.858	0.00489907	0.988
POLR2G	HGC_27con	HGC_27004	OK	66.8415	67.0694	0.00491185	0.9861
FAM102A	HGC_27con	HGC_27004	OK	10.6745	10.7112	0.0049464	0.9861
SPECC1	HGC_27con	HGC_27004	OK	5.47979	5.49873	0.00497815	0.9867
UCA1	HGC_27con	HGC_27004	NOTEST	0.01893	0.01899	0.00498866	1
CDO1	HGC_27con	HGC_27004	NOTEST	0.02208	0.02216	0.00500759	1
ENTPD2	HGC_27con	HGC_27004	OK	0.86988	0.87292	0.00502416	0.9766
IGFLR1	HGC_27con	HGC_27004	OK	5.4445	5.46382	0.00510985	0.9914
LINC01545	HGC_27con	HGC_27004	NOTEST	0.13656	0.13705	0.00516432	1
PRKY	HGC_27con	HGC_27004	NOTEST	0.00925	0.00928	0.00524367	1
NDUFB11	HGC_27con	HGC_27004	OK	63.2429	63.4738	0.00525774	0.985
YARS	HGC_27con	HGC_27004	OK	66.4622	66.7059	0.00528119	0.9852
KLF8	HGC_27con	HGC_27004	NOTEST	0.1022	0.10258	0.00536456	1
OSMR-AS1	HGC_27con	HGC_27004	NOTEST	0.12653	0.127	0.00541505	1
CNTN4-AS1	HGC_27con	HGC_27004	NOTEST	0.03879	0.03894	0.00543133	1
ZMYM3	HGC_27con	HGC_27004	OK	23.2253	23.3132	0.00544911	0.9944
STX7	HGC_27con	HGC_27004	OK	5.33318	5.35351	0.00549083	0.9855

EPN2	HGC_27con	HGC_27004	OK	12.5714	12.6194	0.00549626	0.9845
MIF4GD	HGC_27con	HGC_27004	OK	19.5225	19.5982	0.00558417	0.9928
ZNF143	HGC_27con	HGC_27004	OK	3.19798	3.2104	0.00559241	0.9881
MRRF	HGC_27con	HGC_27004	OK	21.4479	21.5315	0.00560887	0.9884
FOXF2	HGC_27con	HGC_27004	OK	6.66103	6.68719	0.00565581	0.9872
NEK5	HGC_27con	HGC_27004	NOTEST	0.04336	0.04353	0.0057836	1
PAFAH2	HGC_27con	HGC_27004	OK	2.68419	2.69546	0.00604448	0.9853
MANBAL	HGC_27con	HGC_27004	OK	27.7011	27.8174	0.00604831	0.9846
PLGRKT	HGC_27con	HGC_27004	OK	19.2664	19.3475	0.00605566	0.9852
LOC101927468	HGC_27con	HGC_27004	NOTEST	0.05629	0.05653	0.00605758	1
APOBEC3C	HGC_27con	HGC_27004	OK	26.5503	26.6622	0.00607078	0.9852
PRKCH	HGC_27con	HGC_27004	NOTEST	0.23505	0.23606	0.00615592	1
NMD3	HGC_27con	HGC_27004	OK	15.9478	16.0164	0.00618904	0.9835
PRMT6	HGC_27con	HGC_27004	OK	24.7537	24.8602	0.00619479	0.9796
AHI1	HGC_27con	HGC_27004	OK	1.59308	1.59993	0.00619515	0.9858
TFAP2A	HGC_27con	HGC_27004	OK	14.1594	14.2206	0.00622004	0.9845
MICU2	HGC_27con	HGC_27004	OK	21.7651	21.8593	0.00623537	0.9829
DLG2	HGC_27con	HGC_27004	NOTEST	0.0038	0.00382	0.0062754	1
ZBTB48	HGC_27con	HGC_27004	OK	6.61623	6.64566	0.00640104	0.9835
AP4B1	HGC_27con	HGC_27004	OK	8.29291	8.33095	0.00660269	0.9833
CALM2	HGC_27con	HGC_27004	OK	244.083	245.209	0.00664266	0.979
PMS2P1	HGC_27con	HGC_27004	OK	11.0804	11.1316	0.00664597	0.9909
LOC728175	HGC_27con	HGC_27004	NOTEST	0.06117	0.06145	0.00667946	1
LINC01232	HGC_27con	HGC_27004	OK	0.66118	0.66426	0.00669993	0.9718
RAP2B	HGC_27con	HGC_27004	OK	3.36645	3.38227	0.00676254	0.9831
PCNXL2	HGC_27con	HGC_27004	OK	1.24557	1.25145	0.00679304	0.9849
UNC13B	HGC_27con	HGC_27004	OK	11.6145	11.6697	0.00683961	0.9792
C18orf21	HGC_27con	HGC_27004	OK	14.2541	14.3218	0.00684045	0.9844
TCF7	HGC_27con	HGC_27004	OK	29.5984	29.7393	0.00684869	0.9799
SFXN2	HGC_27con	HGC_27004	OK	11.6165	11.6723	0.00691262	0.9825
SPG11	HGC_27con	HGC_27004	OK	9.61115	9.65735	0.00691768	0.9875
SHMT2	HGC_27con	HGC_27004	OK	336.861	338.5	0.007001	0.9783
REL	HGC_27con	HGC_27004	OK	2.37352	2.38514	0.00704323	0.9826
TSC22D1	HGC_27con	HGC_27004	OK	30.9534	31.1063	0.00711036	0.9794
TMEM132B	HGC_27con	HGC_27004	NOTEST	0.02229	0.02241	0.00720528	1
TPT1	HGC_27con	HGC_27004	OK	340.903	342.622	0.00725517	0.9781
RGS2	HGC_27con	HGC_27004	OK	2.52408	2.5369	0.00730889	0.991
MCM3AP-AS1	HGC_27con	HGC_27004	OK	3.97435	3.99469	0.00736416	0.9936
GALNT11	HGC_27con	HGC_27004	OK	10.8481	10.9036	0.00736882	0.9798
LRRC49	HGC_27con	HGC_27004	OK	11.9065	11.9677	0.00740491	0.9858
PTPN12	HGC_27con	HGC_27004	OK	19.0042	19.1029	0.0074718	0.9776
PRR36	HGC_27con	HGC_27004	OK	1.33078	1.33771	0.00749016	0.9898
INTS8	HGC_27con	HGC_27004	OK	17.4241	17.5148	0.00749335	0.98
RRP7A	HGC_27con	HGC_27004	OK	11.2073	11.2659	0.00751924	0.9781
CNP	HGC_27con	HGC_27004	OK	10.8977	10.9548	0.00753489	0.9865
TSTA3	HGC_27con	HGC_27004	OK	9.71538	9.76634	0.00754862	0.9844
FOXN4	HGC_27con	HGC_27004	OK	1.7624	1.77185	0.00771548	0.9881
RNF115	HGC_27con	HGC_27004	OK	15.2923	15.3745	0.00773274	0.9949
ZSCAN12P1	HGC_27con	HGC_27004	NOTEST	0.14043	0.14119	0.00775327	1
YIF1B	HGC_27con	HGC_27004	OK	14.8652	14.9456	0.00777748	0.98
RHOQ	HGC_27con	HGC_27004	OK	39.8778	40.0937	0.00778748	0.9768
EHHADH	HGC_27con	HGC_27004	OK	2.93061	2.94658	0.00783953	0.9832
CAND2	HGC_27con	HGC_27004	OK	3.01098	3.02739	0.00784016	0.9828
ZNF669	HGC_27con	HGC_27004	OK	4.52049	4.54516	0.00785186	0.9839

PDIA6	HGC_27con	HGC_27004	OK	203.245	204.355	0.00785857	0.9752
GABARAP	HGC_27con	HGC_27004	OK	138.444	139.202	0.00787618	0.9742
BYSL	HGC_27con	HGC_27004	OK	17.9152	18.0133	0.00788209	0.9785
INPP5E	HGC_27con	HGC_27004	OK	6.25383	6.28845	0.00796343	0.9805
KANSL2	HGC_27con	HGC_27004	OK	19.5427	19.6511	0.00797596	0.977
CYP4F29P	HGC_27con	HGC_27004	NOTEST	0.03298	0.03316	0.00803845	1
LOC441242	HGC_27con	HGC_27004	OK	4.0965	4.11943	0.00805255	0.9888
RANGAP1	HGC_27con	HGC_27004	OK	26.7562	26.9067	0.00809061	0.9737
RIMS4	HGC_27con	HGC_27004	OK	31.4634	31.644	0.00826095	0.9753
MRPS15	HGC_27con	HGC_27004	OK	108.54	109.169	0.00834247	0.9746
C5orf22	HGC_27con	HGC_27004	OK	9.95732	10.0156	0.00842096	0.9779
ATP5I	HGC_27con	HGC_27004	OK	323.482	325.377	0.00842496	0.9784
PHF8	HGC_27con	HGC_27004	OK	6.57602	6.61528	0.00858721	0.9764
EIF4A1	HGC_27con	HGC_27004	OK	323.389	325.345	0.00869916	0.9724
PCGF6	HGC_27con	HGC_27004	OK	5.70373	5.73827	0.00870841	0.9802
PTPRH	HGC_27con	HGC_27004	NOTEST	0.08928	0.08982	0.00872571	1
DES11	HGC_27con	HGC_27004	OK	23.362	23.5038	0.00873334	0.9736
DAGLB	HGC_27con	HGC_27004	OK	9.82436	9.88451	0.00880578	0.9753
ZFP62	HGC_27con	HGC_27004	OK	7.31812	7.36309	0.00883854	0.9723
PMF1	HGC_27con	HGC_27004	OK	40.5876	40.8375	0.00885578	0.9789
ULK2	HGC_27con	HGC_27004	OK	2.76999	2.78705	0.00885791	0.9802
NELFA	HGC_27con	HGC_27004	OK	17.1437	17.2499	0.00890805	0.9765
MRPL21	HGC_27con	HGC_27004	OK	78.9747	79.4649	0.00892662	0.9754
BCS1L	HGC_27con	HGC_27004	OK	25.8673	26.03	0.00904162	0.9745
BRIP1	HGC_27con	HGC_27004	OK	2.5162	2.53221	0.00915313	0.977
KC6	HGC_27con	HGC_27004	OK	0.97638	0.98269	0.00928717	0.9847
GLUL	HGC_27con	HGC_27004	OK	11.6384	11.7138	0.00931529	0.9726
LOC642929	HGC_27con	HGC_27004	NOTEST	0.03301	0.03322	0.00933995	1
ATP7A	HGC_27con	HGC_27004	OK	2.4304	2.44636	0.00944686	0.9791
C1orf52	HGC_27con	HGC_27004	OK	6.48316	6.52592	0.00948499	0.9767
NUP188	HGC_27con	HGC_27004	OK	33.9182	34.1433	0.00953977	0.9696
GFM2	HGC_27con	HGC_27004	OK	11.7456	11.8244	0.00964899	0.9876
XG	HGC_27con	HGC_27004	NOTEST	0.01142	0.01149	0.0096547	1
NARF	HGC_27con	HGC_27004	OK	12.7004	12.7863	0.00972607	0.9758
EIF2AK4	HGC_27con	HGC_27004	OK	13.6521	13.7451	0.00979156	0.9703
NACC1	HGC_27con	HGC_27004	OK	24.7867	24.9556	0.00979795	0.9706
SLC2A5	HGC_27con	HGC_27004	OK	6.97977	7.0274	0.00981171	0.9758
LINC01229	HGC_27con	HGC_27004	NOTEST	0.10749	0.10823	0.00984552	1
ACOT1	HGC_27con	HGC_27004	OK	7.78136	7.83475	0.00986439	0.9855
SMARCAD1	HGC_27con	HGC_27004	OK	7.70313	7.75653	0.009966	0.9733
SLC39A14	HGC_27con	HGC_27004	OK	47.6866	48.0174	0.0099721	0.9698
PLCB4	HGC_27con	HGC_27004	OK	4.31468	4.34508	0.0101292	0.9716
TTF2	HGC_27con	HGC_27004	OK	5.37218	5.41005	0.010135	0.972
CRTC2	HGC_27con	HGC_27004	OK	9.35033	9.41631	0.0101454	0.9745
FAM20A	HGC_27con	HGC_27004	NOTEST	0.03529	0.03554	0.0101756	1
SARS	HGC_27con	HGC_27004	OK	243.474	245.199	0.0101846	0.9673
POLK	HGC_27con	HGC_27004	OK	4.8669	4.90164	0.0102612	0.9789
RPS23	HGC_27con	HGC_27004	OK	406.408	409.314	0.0102787	0.9689
LIME1	HGC_27con	HGC_27004	OK	4.00956	4.03839	0.010335	0.9932
SLC18A2	HGC_27con	HGC_27004	OK	1.4779	1.48855	0.0103602	0.9823
ZNF276	HGC_27con	HGC_27004	OK	11.2013	11.2829	0.0104828	0.9793
STRN4	HGC_27con	HGC_27004	OK	23.1535	23.323	0.0105172	0.9714
GTF2H5	HGC_27con	HGC_27004	OK	1.50012	1.51124	0.0106547	0.9784
DDR2	HGC_27con	HGC_27004	OK	46.7694	47.1163	0.010662	0.9663

STX10	HGC_27con	HGC_27004	OK	37.0358	37.311	0.0106794	0.9714
POLG2	HGC_27con	HGC_27004	OK	7.79601	7.85428	0.0107433	0.9754
LIMK1	HGC_27con	HGC_27004	OK	12.4194	12.5126	0.0107815	0.9712
MRPL9	HGC_27con	HGC_27004	OK	39.2841	39.58	0.010826	0.9697
KDM4B	HGC_27con	HGC_27004	OK	13.1746	13.2743	0.0108764	0.969
ZNF324B	HGC_27con	HGC_27004	OK	1.09648	1.10482	0.0109313	0.9885
C16orf45	HGC_27con	HGC_27004	OK	27.1777	27.3845	0.0109366	0.9672
TNFAIP8	HGC_27con	HGC_27004	OK	24.6743	24.8627	0.0109724	0.9701
NOXRED1	HGC_27con	HGC_27004	NOTEST	0.27094	0.27303	0.0110627	1
LETM2	HGC_27con	HGC_27004	OK	2.97348	2.99641	0.0110795	0.9792
RNH1	HGC_27con	HGC_27004	OK	124.244	125.203	0.011089	0.9653
LOC101927081	HGC_27con	HGC_27004	NOTEST	0.04737	0.04774	0.0111076	1
MTOR	HGC_27con	HGC_27004	OK	11.4089	11.4971	0.0111149	0.9677
MATN1-AS1	HGC_27con	HGC_27004	OK	1.05964	1.06786	0.0111527	0.9831
LINC01003	HGC_27con	HGC_27004	OK	16.3256	16.4529	0.0112126	0.9755
DLEU7-AS1	HGC_27con	HGC_27004	NOTEST	0.05417	0.0546	0.0112278	1
CEP63	HGC_27con	HGC_27004	OK	4.87315	4.91141	0.0112826	0.9828
DPP8	HGC_27con	HGC_27004	OK	7.48826	7.54721	0.0113126	0.968
FAM220A	HGC_27con	HGC_27004	OK	16.7638	16.8962	0.0113508	0.9699
EXD2	HGC_27con	HGC_27004	OK	5.22575	5.26735	0.0114392	0.9714
DCAF5	HGC_27con	HGC_27004	OK	8.87136	8.94217	0.01147	0.9687
DCAF6	HGC_27con	HGC_27004	OK	20.3483	20.511	0.0114932	0.9705
ARGLU1	HGC_27con	HGC_27004	OK	23.236	23.4225	0.0115336	0.9661
SS18L2	HGC_27con	HGC_27004	OK	17.2808	17.4197	0.0115472	0.9912
LINC00987	HGC_27con	HGC_27004	NOTEST	0.01455	0.01467	0.0115743	1
GPR153	HGC_27con	HGC_27004	OK	14.7771	14.8977	0.0117231	0.9678
TCEAL8	HGC_27con	HGC_27004	OK	15.7764	15.9052	0.0117346	0.9704
UBA3	HGC_27con	HGC_27004	OK	15.9132	16.0443	0.0118302	0.9678
DIDO1	HGC_27con	HGC_27004	OK	12.5228	12.6261	0.0118599	0.9668
OR51E2	HGC_27con	HGC_27004	NOTEST	0.01584	0.01597	0.0118684	1
LRRC69	HGC_27con	HGC_27004	OK	5.25087	5.29456	0.0119556	0.9811
CARD8-AS1	HGC_27con	HGC_27004	OK	1.33062	1.34171	0.0119787	0.9911
ZFAND4	HGC_27con	HGC_27004	OK	2.95738	2.98211	0.0120153	0.9763
FOXO1	HGC_27con	HGC_27004	OK	3.6901	3.72129	0.0121444	0.9719
CCDC137	HGC_27con	HGC_27004	OK	11.8531	11.9538	0.012211	0.9668
DPH7	HGC_27con	HGC_27004	OK	9.99618	10.0812	0.0122147	0.9719
ICAM3	HGC_27con	HGC_27004	OK	4.04773	4.08221	0.0122357	0.9777
PSMC5	HGC_27con	HGC_27004	OK	99.7729	100.624	0.0122536	0.9693
ARPC3	HGC_27con	HGC_27004	OK	77.3644	78.0274	0.0123115	0.9631
PCNXL3	HGC_27con	HGC_27004	OK	17.763	17.9153	0.0123215	0.9647
PSMD3	HGC_27con	HGC_27004	OK	44.7519	45.1358	0.0123258	0.961
DCAF10	HGC_27con	HGC_27004	OK	8.64584	8.72002	0.012326	0.9655
FAM207A	HGC_27con	HGC_27004	OK	16.4042	16.5453	0.012349	0.9727
WHAMMP2	HGC_27con	HGC_27004	OK	0.40948	0.41301	0.0123952	0.9848
TAZ	HGC_27con	HGC_27004	OK	29.5909	29.8475	0.0124587	0.9942
LMTK2	HGC_27con	HGC_27004	OK	3.22872	3.25687	0.0125207	0.968
MSMP	HGC_27con	HGC_27004	OK	7.02012	7.08149	0.0125579	0.9828
ELMOD2	HGC_27con	HGC_27004	OK	5.34481	5.39157	0.0125657	0.9682
EDN1	HGC_27con	HGC_27004	NOTEST	0.01535	0.01549	0.0126094	1
LOC101927153	HGC_27con	HGC_27004	NOTEST	0.04252	0.0429	0.0126162	1
SNORA77	HGC_27con	HGC_27004	OK	8.85673	8.93536	0.0127511	0.6602
LOC101928438	HGC_27con	HGC_27004	NOTEST	0.01712	0.01727	0.0127901	1
MYCBP2-AS1	HGC_27con	HGC_27004	OK	1.15462	1.16497	0.0128703	0.8857
ATP11B	HGC_27con	HGC_27004	OK	3.94565	3.98119	0.0129365	0.9664

LOC101926960	HGC_27con	HGC_27004	NOTEST	0.032	0.03228	0.0129478	1
HAUS7	HGC_27con	HGC_27004	OK	12.941	13.0584	0.0130272	0.993
GNL1	HGC_27con	HGC_27004	OK	7.98648	8.05909	0.0130574	0.9678
TTI1	HGC_27con	HGC_27004	OK	8.11878	8.19286	0.0131037	0.9652
GATB	HGC_27con	HGC_27004	OK	5.07791	5.12438	0.0131412	0.9704
AP5S1	HGC_27con	HGC_27004	OK	8.56731	8.64626	0.013235	0.9681
C14orf119	HGC_27con	HGC_27004	OK	11.3923	11.4982	0.0133458	0.9826
C1orf27	HGC_27con	HGC_27004	OK	5.38854	5.43869	0.0133637	0.9852
HK1	HGC_27con	HGC_27004	OK	7.72886	7.80108	0.0134189	0.9652
TCFL5	HGC_27con	HGC_27004	OK	12.7867	12.9062	0.0134207	0.9807
ZNF839	HGC_27con	HGC_27004	OK	8.59789	8.67826	0.0134238	0.9647
LLPH	HGC_27con	HGC_27004	OK	13.5492	13.6761	0.0134505	0.9685
MLXIP	HGC_27con	HGC_27004	OK	6.28012	6.33915	0.0134964	0.9634
KPTN	HGC_27con	HGC_27004	OK	4.64097	4.68461	0.0135006	0.9757
GDPD5	HGC_27con	HGC_27004	OK	3.7165	3.75164	0.0135762	0.9746
PSMD2	HGC_27con	HGC_27004	OK	49.8412	50.3125	0.0135763	0.9581
COX10-AS1	HGC_27con	HGC_27004	OK	3.68714	3.7222	0.0136533	0.9833
NLK	HGC_27con	HGC_27004	OK	5.02612	5.07418	0.0137285	0.9675
GMPPB	HGC_27con	HGC_27004	OK	13.9434	14.077	0.0137605	0.9765
MPZL1	HGC_27con	HGC_27004	OK	26.5739	26.8287	0.0137651	0.9584
SERINC3	HGC_27con	HGC_27004	OK	21.0846	21.2896	0.0139556	0.9617
GATS	HGC_27con	HGC_27004	OK	3.75442	3.79138	0.0141334	0.9697
NLGN4X	HGC_27con	HGC_27004	NOTEST	0.02904	0.02932	0.0141647	1
CHRNE	HGC_27con	HGC_27004	OK	0.40784	0.41188	0.0142355	0.981
FLNC	HGC_27con	HGC_27004	OK	5.8955	5.9544	0.014342	0.9586
GANC	HGC_27con	HGC_27004	OK	6.53329	6.59857	0.0143452	0.9695
MALSU1	HGC_27con	HGC_27004	OK	47.6581	48.1349	0.0143632	0.9638
RPL9	HGC_27con	HGC_27004	OK	1338.63	1352.02	0.0143633	0.9639
FAM86FP	HGC_27con	HGC_27004	OK	1.41207	1.42621	0.0143826	0.9849
ERF	HGC_27con	HGC_27004	OK	21.836	22.0551	0.0144068	0.9575
DPY19L1	HGC_27con	HGC_27004	OK	23.0634	23.2951	0.0144162	0.9555
AKIRIN2	HGC_27con	HGC_27004	OK	22.3713	22.5963	0.014439	0.9615
DHX32	HGC_27con	HGC_27004	OK	5.02442	5.0752	0.014507	0.9798
ZNF618	HGC_27con	HGC_27004	OK	8.48758	8.5734	0.0145143	0.9563
NIT2	HGC_27con	HGC_27004	OK	20.7384	20.9483	0.0145301	0.9657
ARHGEF10	HGC_27con	HGC_27004	OK	7.53095	7.60726	0.0145459	0.9617
ZNF511	HGC_27con	HGC_27004	OK	17.2959	17.4714	0.014565	0.9798
RPS10-NUDT3	HGC_27con	HGC_27004	OK	14.2516	14.3965	0.014596	0.9911
ZNF184	HGC_27con	HGC_27004	OK	4.26865	4.31215	0.014628	0.9664
ADH5	HGC_27con	HGC_27004	OK	45.8469	46.3147	0.014644	0.9551
RRN3P2	HGC_27con	HGC_27004	NOTEST	0.04237	0.0428	0.0146545	1
HSF2BP	HGC_27con	HGC_27004	OK	0.89541	0.90459	0.0147253	0.9799
RAPGEF2	HGC_27con	HGC_27004	OK	3.97324	4.0141	0.0147628	0.96
METTL18	HGC_27con	HGC_27004	OK	4.97003	5.0215	0.0148652	0.9694
TBC1D20	HGC_27con	HGC_27004	OK	13.4169	13.556	0.0148856	0.9582
MTMR6	HGC_27con	HGC_27004	OK	6.9275	6.99939	0.0148941	0.9602
TEAD4	HGC_27con	HGC_27004	OK	19.8756	20.0822	0.0149167	0.9609
LINC01248	HGC_27con	HGC_27004	NOTEST	0.11142	0.11258	0.0149337	1
ATP9A	HGC_27con	HGC_27004	OK	5.48935	5.54675	0.0150087	0.9589
ARV1	HGC_27con	HGC_27004	OK	16.9616	17.1391	0.0150154	0.9625
PYURF	HGC_27con	HGC_27004	OK	70.3177	71.0569	0.0150882	0.9587
CLCF1	HGC_27con	HGC_27004	OK	2.57584	2.60294	0.0150998	0.9822
PCIF1	HGC_27con	HGC_27004	OK	17.5013	17.6878	0.0152958	0.9591
CCAR1	HGC_27con	HGC_27004	OK	18.6557	18.8551	0.0153373	0.9545

SHFM1	HGC_27con	HGC_27004	OK	120.516	121.808	0.015389	0.9593
FAM104A	HGC_27con	HGC_27004	OK	10.1549	10.265	0.0155493	0.9753
TICAM1	HGC_27con	HGC_27004	OK	1.80132	1.82092	0.0156143	0.9724
IDH2	HGC_27con	HGC_27004	OK	43.0963	43.5663	0.0156477	0.9541
PALM2-AKAP2	HGC_27con	HGC_27004	OK	2.1523	2.1758	0.0156719	0.9761
MRPL52	HGC_27con	HGC_27004	OK	44.3479	44.8356	0.0157798	0.9596
SHQ1	HGC_27con	HGC_27004	OK	4.13861	4.18427	0.0158286	0.964
FZR1	HGC_27con	HGC_27004	OK	18.8616	19.0698	0.0158435	0.9532
HCG11	HGC_27con	HGC_27004	OK	9.63863	9.74533	0.0158835	0.9561
IGF2	HGC_27con	HGC_27004	OK	3.83607	3.87867	0.0159325	0.9632
EML2-AS1	HGC_27con	HGC_27004	OK	6.07517	6.14282	0.0159765	0.983
SAP18	HGC_27con	HGC_27004	OK	22.0341	22.2795	0.0159771	0.9553
SLC3A2	HGC_27con	HGC_27004	OK	256.687	259.562	0.0160684	0.9509
ZNF512	HGC_27con	HGC_27004	OK	12.5705	12.7119	0.0161371	0.9533
NPC2	HGC_27con	HGC_27004	OK	191.258	193.416	0.0161905	0.9517
ORAOV1	HGC_27con	HGC_27004	OK	5.46583	5.52764	0.0162243	0.9655
EVPL	HGC_27con	HGC_27004	NOTEST	0.04158	0.04205	0.0162243	1
PSMA1	HGC_27con	HGC_27004	OK	111.86	113.128	0.0162663	0.9534
LAMA2	HGC_27con	HGC_27004	OK	18.7064	18.9186	0.0162674	0.9501
SLC7A2	HGC_27con	HGC_27004	OK	36.4291	36.8433	0.0163118	0.9487
BTN2A3P	HGC_27con	HGC_27004	OK	1.17079	1.18412	0.0163394	0.9738
FYTTD1	HGC_27con	HGC_27004	OK	21.0377	21.2778	0.0163735	0.9575
TRIM32	HGC_27con	HGC_27004	OK	10.2471	10.3642	0.0163916	0.9603
ABR	HGC_27con	HGC_27004	OK	18.878	19.094	0.0164128	0.9508
MANSC4	HGC_27con	HGC_27004	NOTEST	0.03627	0.03669	0.016489	1
ENTPD1-AS1	HGC_27con	HGC_27004	NOTEST	0.13955	0.14116	0.0165267	1
FLOT1	HGC_27con	HGC_27004	OK	44.3194	44.8325	0.0166074	0.9508
DACT3	HGC_27con	HGC_27004	OK	5.20945	5.26983	0.0166257	0.9765
TOX4	HGC_27con	HGC_27004	OK	11.3622	11.4942	0.0166676	0.9616
GBP1	HGC_27con	HGC_27004	NOTEST	0.01683	0.01702	0.0166871	1
C1QTNF7	HGC_27con	HGC_27004	NOTEST	0.01269	0.01284	0.0166999	1
FAM168A	HGC_27con	HGC_27004	OK	11.5931	11.7281	0.0167022	0.9484
SETX	HGC_27con	HGC_27004	OK	7.96476	8.05758	0.0167156	0.9505
RHOBTB3	HGC_27con	HGC_27004	OK	42.7795	43.2786	0.0167326	0.9462
PSMB9	HGC_27con	HGC_27004	OK	8.56228	8.66238	0.0167677	0.9693
SH3D19	HGC_27con	HGC_27004	OK	4.34116	4.39204	0.0168087	0.9574
PABPN1	HGC_27con	HGC_27004	OK	12.2824	12.4264	0.0168265	0.9752
LINC00458	HGC_27con	HGC_27004	NOTEST	0.20241	0.20479	0.0168662	1
NLRP14	HGC_27con	HGC_27004	NOTEST	0.03002	0.03037	0.0168794	1
USP47	HGC_27con	HGC_27004	OK	8.68915	8.7915	0.0168938	0.9472
ZCCHC17	HGC_27con	HGC_27004	OK	5.39691	5.46048	0.0168959	0.9637
ZNF398	HGC_27con	HGC_27004	OK	4.72023	4.77586	0.016906	0.9547
ATXN1L	HGC_27con	HGC_27004	OK	6.50613	6.58311	0.0169699	0.955
CDK9	HGC_27con	HGC_27004	OK	20.3813	20.6226	0.0169859	0.9512
TAF7L	HGC_27con	HGC_27004	NOTEST	0.02171	0.02197	0.017099	1
SNX24	HGC_27con	HGC_27004	OK	14.2304	14.4008	0.0171677	0.9573
NCOR1	HGC_27con	HGC_27004	OK	16.6014	16.8002	0.0171733	0.9476
CASP1	HGC_27con	HGC_27004	NOTEST	0.02833	0.02867	0.0171871	1
CROCCP2	HGC_27con	HGC_27004	OK	4.08466	4.13391	0.0172903	0.9711
LHX3	HGC_27con	HGC_27004	NOTEST	0.1979	0.20029	0.0173145	1
HDAC8	HGC_27con	HGC_27004	OK	9.93544	10.0556	0.0173487	0.9581
ATP6V0C	HGC_27con	HGC_27004	OK	108.719	110.04	0.017418	0.9502
OAZ2	HGC_27con	HGC_27004	OK	21.4879	21.7494	0.0174519	0.9512
USP22	HGC_27con	HGC_27004	OK	73.1557	74.0509	0.0175467	0.9454

LOC285074	HGC_27con	HGC_27004	OK	8.76094	8.86817	0.0175518	0.9591
ZFYVE28	HGC_27con	HGC_27004	OK	2.81049	2.84494	0.017579	0.9665
SLC46A1	HGC_27con	HGC_27004	OK	4.39813	4.45206	0.0175839	0.9586
PPWD1	HGC_27con	HGC_27004	OK	12.7964	12.9541	0.0176683	0.9496
ACAD8	HGC_27con	HGC_27004	OK	4.79537	4.8545	0.0176798	0.9608
ANKFY1	HGC_27con	HGC_27004	OK	8.25144	8.35326	0.0176929	0.9464
NDUFS5	HGC_27con	HGC_27004	OK	301.35	305.075	0.0177231	0.9466
CYFIP1	HGC_27con	HGC_27004	OK	25.4009	25.7151	0.0177343	0.9461
PTGER2	HGC_27con	HGC_27004	OK	0.55886	0.56578	0.01774	0.9727
ERCC6	HGC_27con	HGC_27004	OK	0.88277	0.89375	0.0178329	0.967
GAL3ST4	HGC_27con	HGC_27004	OK	10.7772	10.9115	0.0178601	0.9572
PDF	HGC_27con	HGC_27004	OK	22.825	23.1101	0.0179053	0.9762
UBE4B	HGC_27con	HGC_27004	OK	22.6534	22.9383	0.0180334	0.9418
RUNDC1	HGC_27con	HGC_27004	OK	5.52388	5.59345	0.0180565	0.9552
RHOH	HGC_27con	HGC_27004	OK	3.55469	3.59954	0.0180891	0.9601
LRRC16A	HGC_27con	HGC_27004	OK	3.0803	3.11922	0.018117	0.9557
MGEA5	HGC_27con	HGC_27004	OK	32.2814	32.69	0.0181463	0.9417
ANAPC15	HGC_27con	HGC_27004	OK	13.5952	13.7673	0.018148	0.9893
DSTNP2	HGC_27con	HGC_27004	OK	5.09021	5.15475	0.018177	0.9713
ARL6IP5	HGC_27con	HGC_27004	OK	29.3666	29.7392	0.0181908	0.9478
NES	HGC_27con	HGC_27004	OK	5.2539	5.32069	0.0182231	0.9517
TMEM126B	HGC_27con	HGC_27004	OK	22.2066	22.4895	0.0182627	0.9568
STIM2	HGC_27con	HGC_27004	OK	2.38138	2.41173	0.0182694	0.9586
ZDHHC9	HGC_27con	HGC_27004	OK	11.1552	11.2975	0.0182782	0.949
PFN1	HGC_27con	HGC_27004	OK	238.205	241.249	0.0183203	0.9436
PARK7	HGC_27con	HGC_27004	OK	179.165	181.461	0.0183717	0.9416
PCDH20	HGC_27con	HGC_27004	NOTEST	0.02914	0.02952	0.0184544	1
SOX21-AS1	HGC_27con	HGC_27004	NOTEST	0.02604	0.02638	0.0185005	1
FAM74A7	HGC_27con	HGC_27004	NOTEST	0.10589	0.10726	0.0185291	1
LUCAT1	HGC_27con	HGC_27004	NOTEST	0.27854	0.28215	0.0185466	1
TMEM50B	HGC_27con	HGC_27004	OK	9.12881	9.24741	0.0186224	0.9683
HMMR	HGC_27con	HGC_27004	OK	7.77762	7.87925	0.0187304	0.9494
TUFM	HGC_27con	HGC_27004	OK	126.721	128.38	0.0187718	0.9422
BAG1	HGC_27con	HGC_27004	OK	9.96962	10.1004	0.0188061	0.9459
ZNF525	HGC_27con	HGC_27004	OK	0.4169	0.42239	0.0188606	0.9728
EHD1	HGC_27con	HGC_27004	OK	13.8936	14.0777	0.0189961	0.9489
EIF3A	HGC_27con	HGC_27004	OK	45.9948	46.605	0.0190151	0.9384
ZNF542P	HGC_27con	HGC_27004	OK	3.74572	3.79547	0.0190358	0.9614
EFHB	HGC_27con	HGC_27004	NOTEST	0.00834	0.00845	0.0190839	1
MIF-AS1	HGC_27con	HGC_27004	OK	0.94956	0.96221	0.0190925	0.9178
ZNF148	HGC_27con	HGC_27004	OK	4.82516	4.88948	0.0191052	0.9464
SLC35A4	HGC_27con	HGC_27004	OK	41.0644	41.6149	0.0192132	0.9443
BLOC1S3	HGC_27con	HGC_27004	OK	6.53163	6.61962	0.0193045	0.9582
ASAP3	HGC_27con	HGC_27004	OK	5.696	5.77279	0.0193175	0.9511
AHCYL1	HGC_27con	HGC_27004	OK	46.0174	46.6384	0.0193406	0.9402
RBAK	HGC_27con	HGC_27004	OK	3.88528	3.93779	0.019367	0.9485
ANKH	HGC_27con	HGC_27004	OK	5.56198	5.6374	0.0194316	0.9501
DCBLD2	HGC_27con	HGC_27004	OK	4.3992	4.45921	0.0195467	0.9515
DFNB59	HGC_27con	HGC_27004	OK	3.00318	3.04418	0.0195638	0.9913
LSM7	HGC_27con	HGC_27004	OK	167.56	169.857	0.0196381	0.9422
ZNF136	HGC_27con	HGC_27004	OK	1.42137	1.44087	0.0196566	0.9663
MACF1	HGC_27con	HGC_27004	OK	7.78151	7.88849	0.0196989	0.9443
RARS	HGC_27con	HGC_27004	OK	50.7237	51.4212	0.0197047	0.9405
RPS3A	HGC_27con	HGC_27004	OK	1482.71	1503.22	0.0198201	0.9363

SPOCK1	HGC_27con	HGC_27004	NOTEST	0.06216	0.06302	0.0198368	1
NDRG4	HGC_27con	HGC_27004	OK	0.53817	0.54563	0.0198385	0.9794
APC	HGC_27con	HGC_27004	OK	4.79628	4.863	0.0199288	0.9437
BRCAT54	HGC_27con	HGC_27004	OK	0.44753	0.45378	0.0200174	0.9736
C19orf18	HGC_27con	HGC_27004	NOTEST	0.03718	0.0377	0.0201148	1
MZT2B	HGC_27con	HGC_27004	OK	172.822	175.251	0.0201358	0.9517
LIG3	HGC_27con	HGC_27004	OK	6.44109	6.53199	0.0202178	0.9475
ATXN7L3	HGC_27con	HGC_27004	OK	16.1673	16.3958	0.0202451	0.9367
CYP3A7	HGC_27con	HGC_27004	NOTEST	0.0294	0.02981	0.0202794	1
TBC1D10B	HGC_27con	HGC_27004	OK	21.1523	21.4522	0.0203081	0.943
TKT	HGC_27con	HGC_27004	OK	216.01	219.075	0.0203281	0.9352
DHX40	HGC_27con	HGC_27004	OK	14.0607	14.2603	0.0203381	0.9419
COG2	HGC_27con	HGC_27004	OK	12.2729	12.4485	0.0204916	0.9423
ATAD2B	HGC_27con	HGC_27004	OK	2.75829	2.79785	0.0205472	0.9466
CBX1	HGC_27con	HGC_27004	OK	48.6764	49.3789	0.0206736	0.9371
LINC01606	HGC_27con	HGC_27004	OK	1.60457	1.62782	0.0207521	0.9648
ADGRD1	HGC_27con	HGC_27004	NOTEST	0.23586	0.23928	0.0207646	1
TRAPPC4	HGC_27con	HGC_27004	OK	32.7531	33.2282	0.0207762	0.9449
CARS2	HGC_27con	HGC_27004	OK	24.1677	24.5185	0.0207941	0.9446
OSBPL3	HGC_27con	HGC_27004	OK	3.41567	3.46526	0.020797	0.9451
ATP1A1-AS1	HGC_27con	HGC_27004	OK	33.0584	33.5394	0.0208429	0.9862
MYC	HGC_27con	HGC_27004	OK	168.599	171.056	0.0208711	0.9372
ALG13	HGC_27con	HGC_27004	OK	8.51926	8.64358	0.0209011	0.9466
PTGER3	HGC_27con	HGC_27004	OK	5.37674	5.45521	0.0209026	0.9747
NARS	HGC_27con	HGC_27004	OK	99.4285	100.884	0.0209716	0.9328
ARF4	HGC_27con	HGC_27004	OK	81.1045	82.2961	0.0210419	0.9391
PIGG	HGC_27con	HGC_27004	OK	10.2501	10.4008	0.0210472	0.9449
IL13RA1	HGC_27con	HGC_27004	OK	8.2786	8.40041	0.0210724	0.9415
CMTM8	HGC_27con	HGC_27004	OK	2.3878	2.42298	0.0210996	0.9779
FSCB	HGC_27con	HGC_27004	NOTEST	0.01793	0.0182	0.0211039	1
ZNF80	HGC_27con	HGC_27004	NOTEST	0.02139	0.0217	0.0211324	1
PANO1	HGC_27con	HGC_27004	OK	3.07195	3.11733	0.0211572	0.9886
LFNG	HGC_27con	HGC_27004	OK	1.32299	1.34253	0.0211573	0.9741
RABGAP1	HGC_27con	HGC_27004	OK	10.3852	10.5387	0.021172	0.936
GPM6B	HGC_27con	HGC_27004	NOTEST	0.20247	0.20546	0.0211798	1
NCKAP5L	HGC_27con	HGC_27004	OK	14.2459	14.4568	0.0212089	0.9409
TRMT2A	HGC_27con	HGC_27004	OK	10.5556	10.712	0.0212164	0.974
TBC1D4	HGC_27con	HGC_27004	OK	18.4813	18.7551	0.021219	0.9356
CALCR	HGC_27con	HGC_27004	NOTEST	0.10227	0.1038	0.0213813	1
KLRD1	HGC_27con	HGC_27004	OK	0.62187	0.63116	0.0213872	0.9762
KIAA1191	HGC_27con	HGC_27004	OK	34.0222	34.5324	0.0214757	0.9333
LOC647323	HGC_27con	HGC_27004	NOTEST	0.09762	0.09909	0.021483	1
SRP54	HGC_27con	HGC_27004	OK	16.9684	17.2237	0.0215449	0.9369
SOCS7	HGC_27con	HGC_27004	OK	4.87855	4.95201	0.02156	0.9418
PCNT	HGC_27con	HGC_27004	OK	6.00785	6.0984	0.0215814	0.9388
SAFB2	HGC_27con	HGC_27004	OK	15.035	15.2616	0.021585	0.9393
PCID2	HGC_27con	HGC_27004	OK	17.7476	18.0156	0.021627	0.9632
PRNP	HGC_27con	HGC_27004	OK	33.7424	34.2524	0.0216389	0.9362
UQCR11	HGC_27con	HGC_27004	OK	72.0269	73.1191	0.0217119	0.9363
TEX9	HGC_27con	HGC_27004	OK	0.66294	0.67299	0.0217144	0.9832
SLC4A4	HGC_27con	HGC_27004	OK	1.72743	1.75365	0.0217346	0.9505
CCDC14	HGC_27con	HGC_27004	OK	13.6585	13.8668	0.0218418	0.9359
NUP37	HGC_27con	HGC_27004	OK	22.9694	23.3209	0.0219084	0.9431
SLC25A14	HGC_27con	HGC_27004	OK	6.48858	6.58828	0.0220009	0.9588

NDUFC2	HGC_27con	HGC_27004	OK	26.1309	26.533	0.0220298	0.9485
C18orf65	HGC_27con	HGC_27004	OK	0.3784	0.38424	0.0220871	0.9594
YTHDF3	HGC_27con	HGC_27004	OK	15.5206	15.7607	0.022153	0.9367
NTHL1	HGC_27con	HGC_27004	OK	24.465	24.8444	0.0222026	0.9434
KDELR1	HGC_27con	HGC_27004	OK	96.3601	97.8568	0.0222369	0.938
FER1L6	HGC_27con	HGC_27004	NOTEST	0.23606	0.23974	0.0222969	1
AQP4-AS1	HGC_27con	HGC_27004	NOTEST	0.08211	0.08339	0.0223196	1
LOC101927124	HGC_27con	HGC_27004	OK	0.39952	0.40576	0.0223601	0.5171
PHGDH	HGC_27con	HGC_27004	OK	303.36	308.101	0.0223718	0.9308
VAR52	HGC_27con	HGC_27004	OK	14.9074	15.1408	0.022415	0.9368
GPR137	HGC_27con	HGC_27004	OK	35.694	36.2533	0.0224294	0.9464
EIF3E	HGC_27con	HGC_27004	OK	247.801	251.694	0.0224862	0.9292
SLC25A4	HGC_27con	HGC_27004	OK	12.5277	12.7251	0.0225532	0.9359
APOBEC3B	HGC_27con	HGC_27004	OK	17.3173	17.5916	0.0226671	0.9426
ARMC10	HGC_27con	HGC_27004	OK	20.8466	21.1769	0.0226756	0.9433
UQCRB	HGC_27con	HGC_27004	OK	30.8254	31.314	0.0226873	0.9336
FAM171A2	HGC_27con	HGC_27004	OK	11.8889	12.0779	0.0227526	0.9509
UQCC2	HGC_27con	HGC_27004	OK	30.606	31.0952	0.022875	0.9353
RNASEH2B-AS1	HGC_27con	HGC_27004	NOTEST	0.30721	0.31213	0.0228843	1
POLR1E	HGC_27con	HGC_27004	OK	24.1564	24.5439	0.0229609	0.9375
RAB32	HGC_27con	HGC_27004	OK	21.1168	21.4557	0.02297	0.9423
THAP7	HGC_27con	HGC_27004	OK	26.6938	27.1224	0.0229796	0.9507
SF3A3	HGC_27con	HGC_27004	OK	40.903	41.56	0.0229878	0.9298
HNRNPA0	HGC_27con	HGC_27004	OK	99.0749	100.667	0.0230024	0.9255
RBM34	HGC_27con	HGC_27004	OK	26.6643	27.093	0.0230147	0.9343
DOCK10	HGC_27con	HGC_27004	NOTEST	0.01887	0.01917	0.0230236	1
FAM117B	HGC_27con	HGC_27004	OK	4.56959	4.6432	0.0230546	0.9419
HNRNPAB	HGC_27con	HGC_27004	OK	172.748	175.532	0.0230622	0.9293
CAMK2N1	HGC_27con	HGC_27004	OK	8.48983	8.62725	0.0231642	0.9508
NCOA3	HGC_27con	HGC_27004	OK	5.5436	5.63364	0.0232453	0.9362
E2F3	HGC_27con	HGC_27004	OK	8.96948	9.11519	0.0232489	0.9347
VAR5	HGC_27con	HGC_27004	OK	71.0465	72.2013	0.0232607	0.9305
ASXL3	HGC_27con	HGC_27004	NOTEST	0.00375	0.00382	0.0233391	1
DARS-AS1	HGC_27con	HGC_27004	OK	3.41846	3.47423	0.0233473	0.9651
KIAA0907	HGC_27con	HGC_27004	OK	17.7757	18.0668	0.0234356	0.932
LIPA	HGC_27con	HGC_27004	OK	45.8447	46.5957	0.0234411	0.9295
MTMR2	HGC_27con	HGC_27004	OK	10.9783	11.1585	0.0234872	0.9368
CPNE3	HGC_27con	HGC_27004	OK	13.8129	14.0401	0.0235367	0.933
NIPBL	HGC_27con	HGC_27004	OK	9.53715	9.69406	0.0235427	0.9272
ILK	HGC_27con	HGC_27004	OK	28.6544	29.1265	0.0235735	0.9451
ADPRM	HGC_27con	HGC_27004	OK	6.35814	6.4634	0.023688	0.9516
NUDCD3	HGC_27con	HGC_27004	OK	19.2158	19.5343	0.0237213	0.9295
SNAPC5	HGC_27con	HGC_27004	OK	6.88504	6.99944	0.0237759	0.9751
NMT1	HGC_27con	HGC_27004	OK	22.8593	23.2392	0.0237768	0.9258
EIF1	HGC_27con	HGC_27004	OK	716.322	728.233	0.0237922	0.9297
ZNF300	HGC_27con	HGC_27004	OK	11.1776	11.3636	0.0238202	0.9341
C19orf53	HGC_27con	HGC_27004	OK	88.3068	89.7771	0.0238228	0.9321
LOC101929486	HGC_27con	HGC_27004	NOTEST	0.00876	0.00891	0.0238929	1
PLP1	HGC_27con	HGC_27004	NOTEST	0.012	0.0122	0.0239073	1
CD58	HGC_27con	HGC_27004	OK	10.7102	10.8895	0.0239535	0.9469
PHF3	HGC_27con	HGC_27004	OK	4.39741	4.47106	0.0239646	0.9333
PDCD6IP	HGC_27con	HGC_27004	OK	18.7579	19.0727	0.0240116	0.9382
ABCF2	HGC_27con	HGC_27004	OK	28.5243	29.0071	0.0242155	0.9262
CFAP20	HGC_27con	HGC_27004	OK	27.2515	27.7177	0.024473	0.9329

ZNF747	HGC_27con	HGC_27004	OK	1.92137	1.95433	0.0245438	0.9586
ZDHHC2	HGC_27con	HGC_27004	OK	7.48542	7.61416	0.0245999	0.9392
RSL1D1	HGC_27con	HGC_27004	OK	44.6714	45.4407	0.024631	0.9187
YTHDC2	HGC_27con	HGC_27004	OK	6.0834	6.18924	0.0248845	0.9322
PEAK1	HGC_27con	HGC_27004	OK	4.90366	4.98903	0.0249006	0.9265
IQCB1	HGC_27con	HGC_27004	OK	3.17393	3.22933	0.0249634	0.9487
GATC	HGC_27con	HGC_27004	OK	5.55353	5.65091	0.0250789	0.9635
COPS6	HGC_27con	HGC_27004	OK	108.846	110.759	0.0251351	0.9266
CCDC50	HGC_27con	HGC_27004	OK	5.97389	6.07889	0.0251362	0.9351
B3GALT6	HGC_27con	HGC_27004	OK	24.41	24.8392	0.0251428	0.9306
ADI1	HGC_27con	HGC_27004	OK	63.8071	64.9289	0.0251439	0.9251
DDX59	HGC_27con	HGC_27004	OK	8.36534	8.51251	0.0251604	0.936
NCAPD3	HGC_27con	HGC_27004	OK	13.3258	13.5603	0.025171	0.9287
RGS5	HGC_27con	HGC_27004	OK	1.15982	1.18025	0.0251936	0.9652
LYRM7	HGC_27con	HGC_27004	OK	6.22245	6.33223	0.0252318	0.9308
CSRP2BP	HGC_27con	HGC_27004	OK	3.67222	3.73715	0.0252851	0.9506
FPGT	HGC_27con	HGC_27004	OK	4.77162	4.85607	0.0253096	0.9358
DIP2A-IT1	HGC_27con	HGC_27004	NOTEST	0.09325	0.0949	0.0253438	1
SZRD1	HGC_27con	HGC_27004	OK	16.8468	17.1465	0.0254334	0.9235
SEMA4D	HGC_27con	HGC_27004	OK	2.20777	2.24707	0.025457	0.9469
ZCCHC4	HGC_27con	HGC_27004	OK	3.13171	3.18756	0.0255001	0.9474
CXorf40B	HGC_27con	HGC_27004	OK	9.38545	9.55301	0.0255304	0.9422
CCDC180	HGC_27con	HGC_27004	OK	0.42889	0.43656	0.0255674	0.9731
TWF1	HGC_27con	HGC_27004	OK	61.8918	62.999	0.0255819	0.918
NRGN	HGC_27con	HGC_27004	OK	6.79902	6.92099	0.0256509	0.9565
R3HCC1L	HGC_27con	HGC_27004	OK	5.0298	5.12006	0.0256584	0.9342
PABPC1	HGC_27con	HGC_27004	OK	456.557	464.78	0.0257533	0.9185
PRICKLE3	HGC_27con	HGC_27004	OK	12.8684	13.1005	0.0257806	0.9563
SCHIP1	HGC_27con	HGC_27004	OK	1.78624	1.8185	0.0258228	0.9696
TOR2A	HGC_27con	HGC_27004	OK	16.9268	17.2326	0.0258321	0.9383
SUZ12P1	HGC_27con	HGC_27004	OK	7.91869	8.06223	0.0259169	0.9571
LOC283683	HGC_27con	HGC_27004	OK	1.70799	1.73897	0.0259304	0.9615
PALD1	HGC_27con	HGC_27004	OK	6.72855	6.8515	0.0261239	0.9316
ZMYND10	HGC_27con	HGC_27004	OK	0.37932	0.38626	0.0261604	0.9655
LMOD3	HGC_27con	HGC_27004	NOTEST	0.00927	0.00944	0.0261976	1
PI4KA	HGC_27con	HGC_27004	OK	15.8818	16.1743	0.026325	0.92
PARG	HGC_27con	HGC_27004	OK	6.53184	6.65214	0.026329	0.9327
ROCK2	HGC_27con	HGC_27004	OK	9.32483	9.49667	0.0263437	0.9234
ERCC5	HGC_27con	HGC_27004	OK	4.20666	4.28445	0.0264346	0.9559
GNG5	HGC_27con	HGC_27004	OK	107.812	109.806	0.0264357	0.9464
TARBP2	HGC_27con	HGC_27004	OK	39.1559	39.8811	0.0264757	0.9298
SLAMF6	HGC_27con	HGC_27004	NOTEST	0.01431	0.01457	0.0265113	1
NLRC5	HGC_27con	HGC_27004	OK	2.21411	2.25519	0.0265197	0.939
DCAF12	HGC_27con	HGC_27004	OK	18.5558	18.9001	0.0265209	0.9211
PPARGC1A	HGC_27con	HGC_27004	NOTEST	0.01602	0.01632	0.0265519	1
RANBP9	HGC_27con	HGC_27004	OK	20.4894	20.8701	0.0265571	0.9226
LOC101929694	HGC_27con	HGC_27004	NOTEST	0.08458	0.08616	0.0266489	1
TFDP1	HGC_27con	HGC_27004	OK	33.6294	34.2577	0.0267054	0.9197
TMBIM4	HGC_27con	HGC_27004	OK	13.8578	14.1169	0.0267241	0.9341
BRCA1	HGC_27con	HGC_27004	OK	8.42661	8.58445	0.0267735	0.9242
MIR600HG	HGC_27con	HGC_27004	OK	1.01598	1.03503	0.0267971	0.9524
C11orf57	HGC_27con	HGC_27004	OK	13.6698	13.9264	0.026826	0.9366
LINC00562	HGC_27con	HGC_27004	NOTEST	0.13699	0.13956	0.0268371	1
TUG1	HGC_27con	HGC_27004	OK	28.9207	29.4647	0.0268833	0.9122

PTTG2	HGC_27con	HGC_27004	NOTEST	0.06829	0.06958	0.026959	1
CTDSP2	HGC_27con	HGC_27004	OK	25.6571	26.141	0.0269593	0.9199
GTF3C3	HGC_27con	HGC_27004	OK	13.8798	14.1426	0.0270586	0.9201
TRAPPC10	HGC_27con	HGC_27004	OK	7.10954	7.24435	0.0271007	0.9234
UBE2S	HGC_27con	HGC_27004	OK	129.744	132.205	0.0271031	0.9164
DMTF1	HGC_27con	HGC_27004	OK	8.65756	8.82211	0.0271639	0.9323
KAT6B	HGC_27con	HGC_27004	OK	5.5307	5.63585	0.0271717	0.9188
DNAJC17	HGC_27con	HGC_27004	OK	8.58168	8.74491	0.0271833	0.9543
TMEM8B	HGC_27con	HGC_27004	OK	7.3725	7.5131	0.0272543	0.9424
NCOA2	HGC_27con	HGC_27004	OK	13.7043	13.9673	0.0274287	0.9176
EIF4B	HGC_27con	HGC_27004	OK	309.037	314.969	0.0274306	0.9109
TRMT10C	HGC_27con	HGC_27004	OK	15.1227	15.4133	0.0274628	0.9277
OPN1SW	HGC_27con	HGC_27004	OK	1.29259	1.31754	0.0275848	0.9483
NDST1	HGC_27con	HGC_27004	OK	12.217	12.4538	0.0276964	0.9137
SEPT6	HGC_27con	HGC_27004	OK	25.4306	25.9237	0.0277076	0.9174
LOC100130700	HGC_27con	HGC_27004	OK	1.04284	1.06306	0.0277082	0.9649
ATG2B	HGC_27con	HGC_27004	OK	5.95163	6.06704	0.0277084	0.921
FRG2	HGC_27con	HGC_27004	NOTEST	0.03315	0.0338	0.0277767	1
MRPL24	HGC_27con	HGC_27004	OK	48.6084	49.5538	0.0277924	0.9203
TXN2	HGC_27con	HGC_27004	OK	52.0161	53.0296	0.0278379	0.9177
BCAS2	HGC_27con	HGC_27004	OK	22.3264	22.7614	0.0278416	0.9265
ZNF484	HGC_27con	HGC_27004	OK	2.50854	2.55748	0.0278765	0.9404
FAM19A5	HGC_27con	HGC_27004	OK	3.48666	3.55478	0.0279119	0.9476
DYNC2H1	HGC_27con	HGC_27004	OK	6.59438	6.72335	0.0279428	0.9176
PLXNC1	HGC_27con	HGC_27004	OK	0.82919	0.84543	0.0279806	0.9592
SLC25A51	HGC_27con	HGC_27004	OK	6.18287	6.30425	0.0280462	0.9426
ZNF667-AS1	HGC_27con	HGC_27004	OK	6.00347	6.12159	0.0281086	0.9455
TTYH2	HGC_27con	HGC_27004	OK	6.70899	6.84101	0.0281127	0.933
NPLOC4	HGC_27con	HGC_27004	OK	28.6942	29.2589	0.0281185	0.9143
PXDC1	HGC_27con	HGC_27004	OK	19.7229	20.112	0.0281837	0.926
UOX	HGC_27con	HGC_27004	NOTEST	0.04121	0.04203	0.0282807	1
ALDH3A2	HGC_27con	HGC_27004	OK	22.3378	22.7803	0.0283014	0.913
TXNIP	HGC_27con	HGC_27004	OK	3.17024	3.23335	0.0284374	0.5165
FAN1	HGC_27con	HGC_27004	OK	2.90689	2.96478	0.0284447	0.946
MRPS2	HGC_27con	HGC_27004	OK	45.9443	46.8599	0.0284658	0.9246
FLJ20021	HGC_27con	HGC_27004	OK	4.14469	4.22736	0.028492	0.9605
UFD1L	HGC_27con	HGC_27004	OK	19.4785	19.8674	0.0285184	0.9229
MSN	HGC_27con	HGC_27004	OK	26.7187	27.2536	0.028593	0.9149
C12orf66	HGC_27con	HGC_27004	OK	3.60493	3.67724	0.0286502	0.9442
HSDL2	HGC_27con	HGC_27004	OK	28.5555	29.1299	0.0287284	0.9149
UBAC1	HGC_27con	HGC_27004	OK	15.986	16.3075	0.0287291	0.9239
ADGRA3	HGC_27con	HGC_27004	OK	11.1644	11.3889	0.028734	0.9196
PPAP2B	HGC_27con	HGC_27004	OK	1.84839	1.88558	0.0287392	0.9498
ZBTB21	HGC_27con	HGC_27004	OK	5.77897	5.89548	0.0287961	0.9188
FAM86DP	HGC_27con	HGC_27004	OK	3.65953	3.73334	0.0288093	0.9412
PHKB	HGC_27con	HGC_27004	OK	16.8617	17.2018	0.028812	0.9176
OMG	HGC_27con	HGC_27004	NOTEST	0.05672	0.05787	0.0289085	1
TOP2B	HGC_27con	HGC_27004	OK	36.2874	37.0221	0.0289187	0.9102
STK25	HGC_27con	HGC_27004	OK	34.7231	35.4265	0.0289328	0.9189
ZFYVE19	HGC_27con	HGC_27004	OK	8.19177	8.35779	0.0289466	0.9455
MARS	HGC_27con	HGC_27004	OK	82.3856	84.0562	0.0289607	0.9194
MIF	HGC_27con	HGC_27004	OK	1862.21	1899.99	0.0289714	0.9125
XPA	HGC_27con	HGC_27004	OK	12.2292	12.4773	0.0289773	0.9238
CEP290	HGC_27con	HGC_27004	OK	1.88513	1.9234	0.0289955	0.9361

P2RX4	HGC_27con	HGC_27004	OK	2.28909	2.33557	0.0290015	0.9545
SFMBT2	HGC_27con	HGC_27004	OK	3.2421	3.30796	0.0290165	0.9236
KLHL5	HGC_27con	HGC_27004	OK	6.17775	6.30355	0.0290844	0.982
OPRD1	HGC_27con	HGC_27004	OK	1.85705	1.89487	0.0290915	0.9646
ELP4	HGC_27con	HGC_27004	OK	12.2152	12.4646	0.0291578	0.9245
LOC102723439	HGC_27con	HGC_27004	NOTEST	0.22068	0.2252	0.0292487	1
RSRC2	HGC_27con	HGC_27004	OK	13.7872	14.0697	0.0292602	0.9176
FAM53C	HGC_27con	HGC_27004	OK	16.7273	17.0702	0.0292724	0.9207
OR2B6	HGC_27con	HGC_27004	NOTEST	0.19797	0.20204	0.0293091	1
ZNF282	HGC_27con	HGC_27004	OK	16.6966	17.0394	0.0293238	0.9178
SERPINI1	HGC_27con	HGC_27004	NOTEST	0.14152	0.14443	0.0293278	1
IPO7	HGC_27con	HGC_27004	OK	79.7791	81.4182	0.0293417	0.9068
PFDN4	HGC_27con	HGC_27004	OK	21.1485	21.5836	0.0293793	0.9273
PLEKHH1	HGC_27con	HGC_27004	OK	3.83655	3.9155	0.029387	0.937
SP1	HGC_27con	HGC_27004	OK	20.1166	20.532	0.0294859	0.9068
CASP8AP2	HGC_27con	HGC_27004	OK	2.54471	2.59769	0.0297284	0.9236
ALS2	HGC_27con	HGC_27004	OK	4.76815	4.86747	0.0297413	0.9345
SLMO1	HGC_27con	HGC_27004	OK	9.36868	9.56384	0.0297437	0.9345
OBSCN	HGC_27con	HGC_27004	OK	7.48435	7.64078	0.029842	0.9125
ARHGAP33	HGC_27con	HGC_27004	OK	4.88224	4.9843	0.02985	0.9283
UBR1	HGC_27con	HGC_27004	OK	3.74711	3.82548	0.0298605	0.9189
ZNF649-AS1	HGC_27con	HGC_27004	NOTEST	0.1025	0.10464	0.0298678	1
LINC00547	HGC_27con	HGC_27004	NOTEST	0.00889	0.00907	0.0298826	1
ACSL3	HGC_27con	HGC_27004	OK	30.539	31.1786	0.0299032	0.9032
SLC1A2	HGC_27con	HGC_27004	NOTEST	0.01823	0.01862	0.0299349	1
GNB1	HGC_27con	HGC_27004	OK	107.75	110.012	0.0299696	0.9061
LOC100996251	HGC_27con	HGC_27004	OK	0.57715	0.58928	0.0300039	0.9704
C4orf47	HGC_27con	HGC_27004	NOTEST	0.02843	0.02903	0.0300547	1
MAP4K2	HGC_27con	HGC_27004	OK	8.05364	8.22324	0.0300651	0.9254
IFI44L	HGC_27con	HGC_27004	OK	9.24314	9.43809	0.0301109	0.9113
NCAM2	HGC_27con	HGC_27004	OK	5.0628	5.16964	0.0301283	0.9199
LOC101927481	HGC_27con	HGC_27004	NOTEST	0.04221	0.0431	0.0301462	1
ODC1	HGC_27con	HGC_27004	OK	109.623	111.938	0.0301523	0.9051
CYB561D1	HGC_27con	HGC_27004	OK	4.2479	4.33766	0.0301685	0.9297
SNORD46	HGC_27con	HGC_27004	OK	25.8734	26.4206	0.0301906	0.8598
NKAIN2	HGC_27con	HGC_27004	NOTEST	0.01189	0.01214	0.030191	1
PSMB1	HGC_27con	HGC_27004	OK	109.762	112.084	0.0301994	0.9118
HEXB	HGC_27con	HGC_27004	OK	56.922	58.1284	0.0302554	0.938
ZFAND5	HGC_27con	HGC_27004	OK	33.7298	34.445	0.0302682	0.9068
TFRC	HGC_27con	HGC_27004	OK	30.5439	31.1917	0.030278	0.9008
ZNF787	HGC_27con	HGC_27004	OK	14.6465	14.9572	0.0302827	0.9238
ANXA5	HGC_27con	HGC_27004	OK	88.9353	90.8224	0.0302921	0.9105
LONP1	HGC_27con	HGC_27004	OK	184.555	188.476	0.0303337	0.9035
BNIP3L	HGC_27con	HGC_27004	OK	16.7459	17.1025	0.0303937	0.9103
CNTN3	HGC_27con	HGC_27004	NOTEST	0.01157	0.01182	0.0304058	1
SPATS2	HGC_27con	HGC_27004	OK	25.4534	25.9975	0.0305125	0.9095
NEK6	HGC_27con	HGC_27004	OK	3.61466	3.69196	0.0305261	0.9424
PPP1R12A	HGC_27con	HGC_27004	OK	6.98747	7.1369	0.0305288	0.9164
AKAP13	HGC_27con	HGC_27004	OK	6.25292	6.38703	0.0306148	0.9139
OSBPL1A	HGC_27con	HGC_27004	OK	23.3951	23.8973	0.0306435	0.9087
UROS	HGC_27con	HGC_27004	OK	26.6525	27.2252	0.0306749	0.9147
CDK15	HGC_27con	HGC_27004	NOTEST	0.05261	0.05374	0.030677	1
HDDC2	HGC_27con	HGC_27004	OK	16.6729	17.032	0.0307389	0.9174
ATP1A2	HGC_27con	HGC_27004	NOTEST	0.06393	0.06531	0.0308199	1

KBTBD4	HGC_27con	HGC_27004	OK	8.4413	8.62389	0.0308729	0.9563
FRS2	HGC_27con	HGC_27004	OK	2.36185	2.41296	0.0308819	0.9307
BRPF1	HGC_27con	HGC_27004	OK	4.79539	4.89919	0.0308968	0.9239
POLDIP2	HGC_27con	HGC_27004	OK	58.7802	60.0537	0.0309229	0.9212
PMS2CL	HGC_27con	HGC_27004	OK	4.75746	4.86077	0.0309916	0.9386
MRFAP1	HGC_27con	HGC_27004	OK	104.556	106.827	0.0309931	0.9069
ARL14EP	HGC_27con	HGC_27004	OK	9.89385	10.1088	0.031007	0.9223
SFSWAP	HGC_27con	HGC_27004	OK	7.59258	7.75789	0.0310746	0.922
CABYR	HGC_27con	HGC_27004	OK	1.68897	1.72576	0.0310893	0.9579
NDUFAF1	HGC_27con	HGC_27004	OK	7.94034	8.11425	0.0312579	0.9309
PCDH17	HGC_27con	HGC_27004	OK	10.8253	11.0625	0.0312763	0.9038
ZHX3	HGC_27con	HGC_27004	OK	3.90785	3.99351	0.03128	0.9168
C2orf80	HGC_27con	HGC_27004	NOTEST	0.02723	0.02783	0.0313152	1
LINC01289	HGC_27con	HGC_27004	NOTEST	0.00934	0.00955	0.0315954	1
BLOC1S1	HGC_27con	HGC_27004	OK	96.1699	98.3006	0.0316147	0.919
CLVS1	HGC_27con	HGC_27004	NOTEST	0.00944	0.00965	0.0316169	1
FAM86C2P	HGC_27con	HGC_27004	OK	4.21825	4.31179	0.0316441	0.9416
TRPC4AP	HGC_27con	HGC_27004	OK	27.0121	27.6117	0.0316725	0.909
SETD2	HGC_27con	HGC_27004	OK	6.04452	6.17949	0.0318598	0.9036
LANCL1	HGC_27con	HGC_27004	OK	32.2692	32.9898	0.0318609	0.9063
POU2F1	HGC_27con	HGC_27004	OK	3.07001	3.13858	0.0318688	0.913
MRPL23	HGC_27con	HGC_27004	OK	105.764	108.128	0.031892	0.9117
FLRT2	HGC_27con	HGC_27004	OK	11.302	11.5549	0.0319224	0.9101
SIN3B	HGC_27con	HGC_27004	OK	15.733	16.0858	0.0319926	0.9089
C12orf45	HGC_27con	HGC_27004	OK	22.2388	22.7391	0.0320981	0.931
GNRH1	HGC_27con	HGC_27004	OK	0.6272	0.64136	0.0322075	0.9639
LOC645434	HGC_27con	HGC_27004	OK	0.32708	0.33446	0.0322112	0.9564
TRPV3	HGC_27con	HGC_27004	NOTEST	0.16294	0.16662	0.0322294	1
FAHD1	HGC_27con	HGC_27004	OK	25.0447	25.6112	0.0322743	0.9142
ARHGEF28	HGC_27con	HGC_27004	OK	5.1333	5.24981	0.0323797	0.9132
SAR1A	HGC_27con	HGC_27004	OK	30.9086	31.6102	0.0323802	0.9056
FAM69B	HGC_27con	HGC_27004	OK	15.6746	16.0304	0.0323822	0.9607
ATP6V1G3	HGC_27con	HGC_27004	NOTEST	0.19526	0.1997	0.0324034	1
ITPK1	HGC_27con	HGC_27004	OK	21.0705	21.5503	0.0324831	0.906
SERGEF	HGC_27con	HGC_27004	OK	9.67269	9.89362	0.0325802	0.9273
IMPAD1	HGC_27con	HGC_27004	OK	13.6111	13.9228	0.0326605	0.9057
GALK1	HGC_27con	HGC_27004	OK	21.3006	21.7886	0.0326806	0.9225
ZNF512B	HGC_27con	HGC_27004	OK	7.38702	7.55649	0.0327241	0.9236
MPST	HGC_27con	HGC_27004	OK	84.0273	85.9593	0.0327946	0.9105
SFI1	HGC_27con	HGC_27004	OK	7.95186	8.13477	0.0328092	0.9223
ZNF275	HGC_27con	HGC_27004	OK	3.93648	4.02742	0.0329483	0.9202
MED30	HGC_27con	HGC_27004	OK	125.018	127.91	0.0329872	0.9024
ZFAND1	HGC_27con	HGC_27004	OK	40.7625	41.7055	0.0329969	0.9139
GXYLT2	HGC_27con	HGC_27004	OK	7.20341	7.37039	0.0330604	0.9337
FBXO6	HGC_27con	HGC_27004	NOTEST	0.23544	0.2409	0.033119	1
BCOR	HGC_27con	HGC_27004	OK	10.6289	10.8762	0.0331788	0.9062
ORAI1	HGC_27con	HGC_27004	OK	25.7115	26.3098	0.0331902	0.9222
GLE1	HGC_27con	HGC_27004	OK	16.7885	17.1793	0.033204	0.9654
ASPH	HGC_27con	HGC_27004	OK	33.5878	34.37	0.0332158	0.9012
SAMM50	HGC_27con	HGC_27004	OK	43.337	44.3465	0.0332222	0.9035
KIF20A	HGC_27con	HGC_27004	OK	21.9652	22.4771	0.0332342	0.9186
C3orf49	HGC_27con	HGC_27004	NOTEST	0.02099	0.02148	0.0332754	1
CANX	HGC_27con	HGC_27004	OK	306.776	313.942	0.0333109	0.8965
MED16	HGC_27con	HGC_27004	OK	35.1425	35.9641	0.0333411	0.9034

FPGT-TNNI3K	HGC_27con	HGC_27004	NOTEST	0.10248	0.10488	0.0333541	1
IL6	HGC_27con	HGC_27004	NOTEST	0.03033	0.03104	0.0333774	1
CWC15	HGC_27con	HGC_27004	OK	8.13821	8.32919	0.0334646	0.9214
FAM58A	HGC_27con	HGC_27004	OK	16.0266	16.4028	0.0334724	0.9208
ANP32B	HGC_27con	HGC_27004	OK	213.013	218.021	0.0335265	0.897
SLC25A19	HGC_27con	HGC_27004	OK	8.15259	8.34436	0.0335425	0.9267
NANOS3	HGC_27con	HGC_27004	OK	1.59614	1.63371	0.0335625	0.9705
SEC24B	HGC_27con	HGC_27004	OK	7.92684	8.1135	0.0335787	0.914
OGT	HGC_27con	HGC_27004	OK	72.5051	74.2134	0.033597	0.9442
EIF3B	HGC_27con	HGC_27004	OK	87.4457	89.5063	0.033602	0.8976
CIB1	HGC_27con	HGC_27004	OK	43.0718	44.0877	0.033633	0.9546
CARD8	HGC_27con	HGC_27004	OK	6.97401	7.13882	0.0336966	0.9544
SETD7	HGC_27con	HGC_27004	OK	17.631	18.0482	0.0337415	0.9024
FZD5	HGC_27con	HGC_27004	OK	2.56642	2.62719	0.0337638	0.9203
GLMP	HGC_27con	HGC_27004	OK	0.32617	0.3339	0.0337977	0.9627
SLTM	HGC_27con	HGC_27004	OK	13.9402	14.2714	0.0338733	0.897
TRAM2	HGC_27con	HGC_27004	OK	8.97055	9.18369	0.0338775	0.9084
RC3H2	HGC_27con	HGC_27004	OK	8.13613	8.32999	0.0339713	0.9131
LOC101928936	HGC_27con	HGC_27004	OK	1.43209	1.46628	0.034043	0.9397
MDP1	HGC_27con	HGC_27004	OK	18.068	18.4996	0.0340561	0.9636
FAM109A	HGC_27con	HGC_27004	OK	1.58231	1.62014	0.0340892	0.9462
PDE6D	HGC_27con	HGC_27004	OK	11.7794	12.061	0.03409	0.9238
ZBTB5	HGC_27con	HGC_27004	OK	9.26489	9.48687	0.0341584	0.9083
SNX11	HGC_27con	HGC_27004	OK	8.97992	9.19515	0.0341715	0.9167
PPIL4	HGC_27con	HGC_27004	OK	6.89844	7.0638	0.0341746	0.9158
GPATCH2L	HGC_27con	HGC_27004	OK	5.3825	5.5116	0.0341962	0.8993
PRR13	HGC_27con	HGC_27004	OK	86.928	89.014	0.0342108	0.8948
EIF3H	HGC_27con	HGC_27004	OK	128.35	131.435	0.0342644	0.8978
ANXA7	HGC_27con	HGC_27004	OK	33.0085	33.8026	0.0342967	0.9077
CEP70	HGC_27con	HGC_27004	OK	3.7607	3.85118	0.0342996	0.9245
C14orf169	HGC_27con	HGC_27004	OK	11.9742	12.2623	0.0343051	0.9237
PCCB	HGC_27con	HGC_27004	OK	40.3782	41.3499	0.0343059	0.901
CAV3	HGC_27con	HGC_27004	NOTEST	0.02833	0.02901	0.0344086	1
RAVER1	HGC_27con	HGC_27004	OK	64.8008	66.3669	0.0344524	0.8948
C5orf24	HGC_27con	HGC_27004	OK	25.8929	26.5192	0.0344801	0.8991
MAGEA4	HGC_27con	HGC_27004	OK	61.9158	63.4178	0.0345797	0.8956
THUMPD3	HGC_27con	HGC_27004	OK	10.494	10.7487	0.0345994	0.9057
ZBTB3	HGC_27con	HGC_27004	OK	3.59077	3.67801	0.0346295	0.9305
FAM106B	HGC_27con	HGC_27004	NOTEST	0.02487	0.02548	0.0346647	1
MAPK12	HGC_27con	HGC_27004	OK	19.0413	19.5047	0.0346939	0.9101
TP73-AS1	HGC_27con	HGC_27004	OK	3.95084	4.04709	0.0347256	0.9213
RPN1	HGC_27con	HGC_27004	OK	74.5321	76.3491	0.0347497	0.8948
EEF2KMT	HGC_27con	HGC_27004	OK	10.3129	10.5645	0.0347841	0.931
C8orf37	HGC_27con	HGC_27004	OK	3.47848	3.56346	0.0348225	0.9259
KRIT1	HGC_27con	HGC_27004	OK	7.18001	7.35668	0.0350679	0.9042
LOC100131655	HGC_27con	HGC_27004	OK	0.65745	0.67363	0.0350737	0.9597
NGFR	HGC_27con	HGC_27004	OK	0.96859	0.99247	0.0351416	0.948
AGA	HGC_27con	HGC_27004	OK	7.89308	8.08783	0.0351654	0.9168
LMO4	HGC_27con	HGC_27004	OK	12.8509	13.168	0.0351745	0.9043
ELP6	HGC_27con	HGC_27004	OK	18.3329	18.7857	0.0351965	0.9105
NPHP3-AS1	HGC_27con	HGC_27004	NOTEST	0.01173	0.01203	0.0352954	1
SNX2	HGC_27con	HGC_27004	OK	11.4519	11.7361	0.0353588	0.895
TUSC2	HGC_27con	HGC_27004	OK	5.67736	5.81823	0.0353592	0.9312
SF3B1	HGC_27con	HGC_27004	OK	63.7513	65.3349	0.0354012	0.9001

SCAPER	HGC_27con	HGC_27004	OK	3.63063	3.72085	0.0354126	0.9098
CLCN7	HGC_27con	HGC_27004	OK	21.8035	22.3455	0.0354295	0.8975
MRPL17	HGC_27con	HGC_27004	OK	19.038	19.5116	0.0354437	0.8985
SGCE	HGC_27con	HGC_27004	OK	7.18776	7.36659	0.0354556	0.9218
TLN1	HGC_27con	HGC_27004	OK	29.945	30.6905	0.035476	0.8985
TCF24	HGC_27con	HGC_27004	OK	0.74545	0.76401	0.035478	0.9605
GYPE	HGC_27con	HGC_27004	OK	0.43597	0.44683	0.0354941	0.9631
LOC100996693	HGC_27con	HGC_27004	OK	0.48729	0.49946	0.035569	0.9287
SOCS2	HGC_27con	HGC_27004	OK	3.33337	3.4166	0.0355799	0.9345
CMBL	HGC_27con	HGC_27004	OK	5.88175	6.02883	0.0356327	0.9084
NUTM2A-AS1	HGC_27con	HGC_27004	OK	12.2221	12.528	0.0356655	0.9399
ZZZ3	HGC_27con	HGC_27004	OK	9.39103	9.62628	0.0356958	0.8987
ATP5O	HGC_27con	HGC_27004	OK	301.811	309.405	0.0358493	0.8885
STAG3L4	HGC_27con	HGC_27004	OK	13.6347	13.9777	0.0358503	0.909
USP34	HGC_27con	HGC_27004	OK	18.1183	18.5746	0.0358859	0.9066
MARK3	HGC_27con	HGC_27004	OK	39.5301	40.5275	0.0359524	0.8886
RPUSD3	HGC_27con	HGC_27004	OK	28.4453	29.1648	0.036037	0.9014
ALKBH2	HGC_27con	HGC_27004	OK	18.3441	18.8085	0.0360685	0.9161
DUS3L	HGC_27con	HGC_27004	OK	38.4355	39.4113	0.0361698	0.8953
GTF3C2	HGC_27con	HGC_27004	OK	20.2753	20.7904	0.0361902	0.8962
AR	HGC_27con	HGC_27004	OK	3.0264	3.10344	0.0362693	0.9053
ACAP3	HGC_27con	HGC_27004	OK	18.1431	18.6054	0.0362996	0.9004
UBE2V1	HGC_27con	HGC_27004	OK	56.2969	57.7314	0.0363	0.9014
UBE2O	HGC_27con	HGC_27004	OK	8.94816	9.17672	0.0363864	0.9
CAPN7	HGC_27con	HGC_27004	OK	10.0384	10.295	0.0364135	0.8975
HYAL3	HGC_27con	HGC_27004	OK	6.22255	6.38162	0.0364151	0.9386
LCTL	HGC_27con	HGC_27004	OK	1.4801	1.51795	0.0364257	0.9724
MIPOL1	HGC_27con	HGC_27004	OK	2.34915	2.40923	0.0364378	0.9159
EGFL7	HGC_27con	HGC_27004	OK	43.4854	44.5981	0.0364536	0.9018
PRKACA	HGC_27con	HGC_27004	OK	39.717	40.7335	0.0364617	0.8912
TMEM14C	HGC_27con	HGC_27004	OK	140.402	143.996	0.036467	0.8913
TRIM65	HGC_27con	HGC_27004	OK	25.756	26.4157	0.036488	0.894
TAP1	HGC_27con	HGC_27004	OK	14.4966	14.8693	0.0366171	0.9213
TRIP12	HGC_27con	HGC_27004	OK	17.6884	18.1432	0.0366215	0.8818
RANBP17	HGC_27con	HGC_27004	OK	2.70278	2.77236	0.0366701	0.9226
C3orf67	HGC_27con	HGC_27004	OK	0.57874	0.59364	0.0366749	0.9491
TMEM206	HGC_27con	HGC_27004	OK	7.14976	7.33423	0.0367513	0.9169
TXNDC17	HGC_27con	HGC_27004	OK	8.14392	8.35408	0.0367572	0.9316
LOC728730	HGC_27con	HGC_27004	OK	2.17891	2.23538	0.0369118	0.9339
SLC26A1	HGC_27con	HGC_27004	OK	2.0593	2.11274	0.0369557	0.9691
NAGA	HGC_27con	HGC_27004	OK	11.8212	12.128	0.0369658	0.9032
TTLL5	HGC_27con	HGC_27004	OK	6.62931	6.80137	0.0369673	0.8972
KANSL1L	HGC_27con	HGC_27004	OK	3.32318	3.4096	0.0370354	0.9431
NEIL2	HGC_27con	HGC_27004	OK	4.21691	4.32658	0.0370416	0.9279
HMGCL	HGC_27con	HGC_27004	OK	15.1326	15.5266	0.037078	0.9095
CHST9	HGC_27con	HGC_27004	NOTEST	0.05324	0.05463	0.0371342	1
LOC100506085	HGC_27con	HGC_27004	NOTEST	0.01382	0.01419	0.0371572	1
FAM86C1	HGC_27con	HGC_27004	OK	6.27646	6.44041	0.0372013	0.9203
LINC00910	HGC_27con	HGC_27004	OK	1.019	1.04564	0.0372216	0.9453
C15orf61	HGC_27con	HGC_27004	OK	8.95845	9.19298	0.0372822	0.9586
HIAT1	HGC_27con	HGC_27004	OK	28.3529	29.0956	0.0373037	0.8889
SGSM1	HGC_27con	HGC_27004	NOTEST	0.06459	0.06628	0.0373554	1
ARID2	HGC_27con	HGC_27004	OK	8.54462	8.76989	0.0375431	0.8944
ST6GALNAC6	HGC_27con	HGC_27004	OK	9.25848	9.50263	0.0375527	0.9043

DUS2	HGC_27con	HGC_27004	OK	8.20312	8.41958	0.0375762	0.9243
CCL28	HGC_27con	HGC_27004	NOTEST	0.01221	0.01254	0.0377233	1
FAM208B	HGC_27con	HGC_27004	OK	8.21842	8.43662	0.0378048	0.8871
RAB9A	HGC_27con	HGC_27004	OK	5.36395	5.50639	0.0378122	0.9253
ZFP64	HGC_27con	HGC_27004	OK	9.53951	9.79361	0.0379248	0.9057
HERPUD2	HGC_27con	HGC_27004	OK	13.2201	13.5723	0.0379284	0.8986
ZNF322	HGC_27con	HGC_27004	OK	7.29088	7.48525	0.0379583	0.8937
RBL2	HGC_27con	HGC_27004	OK	11.892	12.2092	0.0379864	0.9032
TAF11	HGC_27con	HGC_27004	OK	20.2116	20.751	0.0380021	0.8975
PGLS	HGC_27con	HGC_27004	OK	194.575	199.773	0.0380361	0.8864
EMC3	HGC_27con	HGC_27004	OK	21.8049	22.3874	0.0380386	0.9094
TMEM230	HGC_27con	HGC_27004	OK	75.9319	77.9718	0.0382464	0.8863
SAMD4B	HGC_27con	HGC_27004	OK	12.1793	12.5069	0.0382898	0.8951
DDX19A	HGC_27con	HGC_27004	OK	7.40058	7.59984	0.038331	0.9047
ZFAND2B	HGC_27con	HGC_27004	OK	10.5051	10.788	0.0383381	0.92
TTN-AS1	HGC_27con	HGC_27004	OK	1.97939	2.03275	0.0383802	0.694
ASS1	HGC_27con	HGC_27004	OK	398.329	409.071	0.0383909	0.8812
GRIK1-AS2	HGC_27con	HGC_27004	NOTEST	0.13271	0.13629	0.0384027	1
FAM86EP	HGC_27con	HGC_27004	OK	2.2715	2.33278	0.0384052	0.937
DNAH8	HGC_27con	HGC_27004	NOTEST	0.00741	0.00761	0.0384265	1
ZCCHC7	HGC_27con	HGC_27004	OK	10.6984	10.9875	0.0384749	0.8936
ADAM22	HGC_27con	HGC_27004	OK	6.00828	6.17076	0.0384963	0.901
NOP2	HGC_27con	HGC_27004	OK	25.5721	26.2645	0.038543	0.8904
CCDC102B	HGC_27con	HGC_27004	OK	0.45714	0.46959	0.0387728	0.9493
THUMP3-AS1	HGC_27con	HGC_27004	OK	7.40877	7.61068	0.0387903	0.9147
CAPN15	HGC_27con	HGC_27004	OK	10.2382	10.5172	0.0387917	0.8933
LOC100505915	HGC_27con	HGC_27004	OK	3.63502	3.73427	0.0388643	0.969
SRSF8	HGC_27con	HGC_27004	OK	7.91521	8.13199	0.0389817	0.8958
GRASP	HGC_27con	HGC_27004	OK	8.20255	8.42774	0.0390738	0.9114
FUT8	HGC_27con	HGC_27004	OK	10.817	11.1157	0.0393033	0.8873
COG4	HGC_27con	HGC_27004	OK	17.8761	18.3719	0.0394733	0.8851
GTPBP8	HGC_27con	HGC_27004	OK	9.79312	10.065	0.039501	0.9151
HRASLS	HGC_27con	HGC_27004	OK	4.04204	4.15427	0.0395121	0.9433
RSL24D1	HGC_27con	HGC_27004	OK	110.58	113.651	0.0395135	0.8811
ARL16	HGC_27con	HGC_27004	OK	19.4559	19.9974	0.0396072	0.905
EIF2S3	HGC_27con	HGC_27004	OK	53.8581	55.3572	0.0396079	0.8778
UBP1	HGC_27con	HGC_27004	OK	19.1831	19.7178	0.0396605	0.8838
RSU1	HGC_27con	HGC_27004	OK	24.13	24.8027	0.0396686	0.8854
LINC01184	HGC_27con	HGC_27004	OK	2.86127	2.94105	0.0396737	0.9252
WARS2	HGC_27con	HGC_27004	OK	10.7102	11.009	0.0396974	0.905
ZNF354C	HGC_27con	HGC_27004	NOTEST	0.01123	0.01154	0.0397106	1
NCS1	HGC_27con	HGC_27004	OK	12.0514	12.3881	0.0397506	0.885
SURF6	HGC_27con	HGC_27004	OK	11.5979	11.9223	0.0397938	0.8964
ABCB10	HGC_27con	HGC_27004	OK	14.3803	14.7852	0.0400656	0.8896
CLIP1	HGC_27con	HGC_27004	OK	6.06043	6.23119	0.0400872	0.8896
SMG5	HGC_27con	HGC_27004	OK	22.8457	23.4905	0.0401527	0.8799
SMPD4	HGC_27con	HGC_27004	OK	18.2027	18.7167	0.0401695	0.9263
UBXN4	HGC_27con	HGC_27004	OK	28.365	29.1668	0.0402116	0.8793
NCBP1	HGC_27con	HGC_27004	OK	21.7411	22.3563	0.0402558	0.8984
NAAA	HGC_27con	HGC_27004	NOTEST	0.23529	0.24196	0.0402927	1
PSMA5	HGC_27con	HGC_27004	OK	27.3934	28.17	0.0403328	0.8839
RPUSD1	HGC_27con	HGC_27004	OK	21.1369	21.7362	0.040339	0.8957
HCFC1	HGC_27con	HGC_27004	OK	20.5815	21.1651	0.0403432	0.88
PHF23	HGC_27con	HGC_27004	OK	15.1941	15.6251	0.0403555	0.8928

ADM5	HGC_27con	HGC_27004	OK	5.05466	5.1981	0.0403709	0.9225
SP2	HGC_27con	HGC_27004	OK	10.061	10.3466	0.040379	0.8964
XRCC4	HGC_27con	HGC_27004	OK	5.95452	6.12371	0.0404198	0.9106
DPYD	HGC_27con	HGC_27004	OK	7.06252	7.26342	0.0404659	0.8942
ATP6V0A1	HGC_27con	HGC_27004	OK	9.72809	10.0049	0.0404841	0.8886
NGLY1	HGC_27con	HGC_27004	OK	18.6867	19.2192	0.0405305	0.8813
DCAF11	HGC_27con	HGC_27004	OK	15.2303	15.6642	0.0405309	0.8847
PKN3	HGC_27con	HGC_27004	OK	16.5145	16.985	0.0405326	0.8993
CLASRP	HGC_27con	HGC_27004	OK	9.44274	9.71192	0.0405513	0.9005
SMARCA5-AS1	HGC_27con	HGC_27004	OK	8.48233	8.72417	0.0405572	0.973
LOC101927282	HGC_27con	HGC_27004	NOTEST	0.15708	0.16158	0.0407459	1
POLB	HGC_27con	HGC_27004	OK	9.78705	10.0675	0.0407663	0.9084
FBL	HGC_27con	HGC_27004	OK	147.705	151.944	0.0408204	0.8768
GAB2	HGC_27con	HGC_27004	OK	6.30916	6.49034	0.0408457	0.8849
LINC01539	HGC_27con	HGC_27004	NOTEST	0.01341	0.01379	0.0408642	1
SPDYE1	HGC_27con	HGC_27004	OK	0.61594	0.63364	0.0408665	0.9797
MPDU1	HGC_27con	HGC_27004	OK	28.6556	29.4796	0.0409017	0.8888
SF3B2	HGC_27con	HGC_27004	OK	60.3068	62.0418	0.0409192	0.8738
ESX1	HGC_27con	HGC_27004	OK	3.97047	4.08472	0.0409278	0.9343
CBX4	HGC_27con	HGC_27004	OK	30.1117	30.9793	0.0409822	0.8799
PAN3-AS1	HGC_27con	HGC_27004	OK	1.02332	1.05287	0.0410628	0.9738
LOC150776	HGC_27con	HGC_27004	OK	2.38905	2.45813	0.0411219	0.9643
C1orf50	HGC_27con	HGC_27004	OK	12.2989	12.6553	0.0412028	0.9094
KSR1	HGC_27con	HGC_27004	OK	1.65095	1.69881	0.0412259	0.9255
ZFP28	HGC_27con	HGC_27004	OK	0.73401	0.75529	0.0412311	0.9385
MARK4	HGC_27con	HGC_27004	OK	4.65287	4.78832	0.0413979	0.8935
SRM	HGC_27con	HGC_27004	OK	90.5805	93.2196	0.0414329	0.8772
ZW10	HGC_27con	HGC_27004	OK	10.1126	10.4075	0.0414619	0.8886
TTBK2	HGC_27con	HGC_27004	OK	2.69749	2.77617	0.0414802	0.9048
NUDC	HGC_27con	HGC_27004	OK	32.7769	33.7332	0.041489	0.8795
LOC101927550	HGC_27con	HGC_27004	OK	0.41358	0.42565	0.0415191	0.7269
BCL7C	HGC_27con	HGC_27004	OK	59.1856	60.9143	0.0415346	0.8834
RNF111	HGC_27con	HGC_27004	OK	3.53924	3.64265	0.0415504	0.8952
ZDHHHC5	HGC_27con	HGC_27004	OK	16.3889	16.8681	0.0415723	0.8777
COPS4	HGC_27con	HGC_27004	OK	27.9655	28.7866	0.0417507	0.8874
DNAJB6	HGC_27con	HGC_27004	OK	41.5007	42.7196	0.0417628	0.8811
OTUD1	HGC_27con	HGC_27004	OK	1.78666	1.8392	0.0418198	0.9385
VWA8-AS1	HGC_27con	HGC_27004	NOTEST	0.01529	0.01574	0.0418268	1
PPP2R5C	HGC_27con	HGC_27004	OK	53.7713	55.3533	0.0418339	0.8898
PGD	HGC_27con	HGC_27004	OK	98.3147	101.209	0.0418533	0.8696
SNW1	HGC_27con	HGC_27004	OK	41.6075	42.8323	0.0418533	0.8763
MSL1	HGC_27con	HGC_27004	OK	23.5575	24.2514	0.041878	0.8788
MMP13	HGC_27con	HGC_27004	NOTEST	0.01209	0.01245	0.0418791	1
CUL9	HGC_27con	HGC_27004	OK	8.26183	8.50598	0.0420158	0.8815
LOC646214	HGC_27con	HGC_27004	OK	1.42431	1.46643	0.0420464	0.9131
TNPO2	HGC_27con	HGC_27004	OK	41.4242	42.6515	0.0421224	0.8699
ZNF814	HGC_27con	HGC_27004	OK	0.94025	0.96814	0.0421721	0.9225
MTRNR2L3	HGC_27con	HGC_27004	NOTEST	0.02679	0.02758	0.0421828	1
PACSIN3	HGC_27con	HGC_27004	OK	19.7774	20.3645	0.0422012	0.8843
MIR4500HG	HGC_27con	HGC_27004	NOTEST	0.15995	0.1647	0.0422382	1
PRR14L	HGC_27con	HGC_27004	OK	4.24936	4.37597	0.0423574	0.8799
GNL2	HGC_27con	HGC_27004	OK	27.5402	28.3614	0.0423909	0.8765
EIF4H	HGC_27con	HGC_27004	OK	173.671	178.852	0.0424082	0.8653
SBDS	HGC_27con	HGC_27004	OK	38.9318	40.0974	0.0425606	0.8744

LLGL1	HGC_27con	HGC_27004	OK	13.5718	13.9786	0.0426066	0.9341
RNF149	HGC_27con	HGC_27004	OK	10.4786	10.7927	0.0426124	0.8872
VPS4A	HGC_27con	HGC_27004	OK	32.869	33.855	0.0426393	0.8731
GGCX	HGC_27con	HGC_27004	OK	16.6733	17.1735	0.0426404	0.9398
C17orf96	HGC_27con	HGC_27004	OK	15.4273	15.8901	0.0426502	0.885
FARSA	HGC_27con	HGC_27004	OK	103.344	106.456	0.0428096	0.8687
CLNS1A	HGC_27con	HGC_27004	OK	61.7937	63.6549	0.0428117	0.8707
TAS2R42	HGC_27con	HGC_27004	NOTEST	0.05333	0.05493	0.0428193	1
MAP3K8	HGC_27con	HGC_27004	OK	2.13045	2.19464	0.0428293	0.9252
POT1	HGC_27con	HGC_27004	OK	6.50748	6.70361	0.0428386	0.8926
VAMP3	HGC_27con	HGC_27004	OK	40.4351	41.6543	0.0428602	0.875
SLC37A2	HGC_27con	HGC_27004	OK	0.71944	0.74124	0.0430571	0.9415
FAT1	HGC_27con	HGC_27004	OK	14.5441	14.9854	0.0431296	0.867
OTUD7B	HGC_27con	HGC_27004	OK	4.98346	5.13476	0.043149	0.8821
GCLM	HGC_27con	HGC_27004	OK	5.58282	5.75243	0.0431762	0.8926
ENKUR	HGC_27con	HGC_27004	NOTEST	0.16526	0.17028	0.0432201	1
DHDDS	HGC_27con	HGC_27004	OK	10.8627	11.1936	0.0432831	0.881
APMAP	HGC_27con	HGC_27004	OK	29.8608	30.7706	0.0432972	0.874
RNF187	HGC_27con	HGC_27004	OK	120.327	123.993	0.0433042	0.8629
CREB3L2	HGC_27con	HGC_27004	OK	13.641	14.0593	0.0435765	0.8752
ZMAT3	HGC_27con	HGC_27004	OK	2.16544	2.23185	0.0435798	0.8939
ZNF550	HGC_27con	HGC_27004	OK	1.40208	1.44508	0.0435817	0.9225
LAS1L	HGC_27con	HGC_27004	OK	19.7494	20.3554	0.0436008	0.8745
NANS	HGC_27con	HGC_27004	OK	104.667	107.879	0.0436066	0.8677
PLEKHA4	HGC_27con	HGC_27004	OK	5.99359	6.17758	0.0436212	0.8862
ILKAP	HGC_27con	HGC_27004	OK	18.8085	19.3862	0.0436461	0.8844
TRIP4	HGC_27con	HGC_27004	OK	6.6023	6.80554	0.0437424	0.8977
ATP5L	HGC_27con	HGC_27004	OK	102.677	105.84	0.043773	0.8995
UQCR10	HGC_27con	HGC_27004	OK	67.808	69.8977	0.0437885	0.8795
PHAX	HGC_27con	HGC_27004	OK	7.32187	7.54787	0.0438559	0.8901
PDS5A	HGC_27con	HGC_27004	OK	18.0919	18.6503	0.0438561	0.8744
LPP	HGC_27con	HGC_27004	OK	1.99932	2.06121	0.0439837	0.8863
IL2RB	HGC_27con	HGC_27004	NOTEST	0.29524	0.30438	0.0440178	1
RGS17	HGC_27con	HGC_27004	NOTEST	0.04575	0.04717	0.0440378	1
ZSWIM7	HGC_27con	HGC_27004	OK	5.16666	5.32681	0.0440384	0.9464
CCDC141	HGC_27con	HGC_27004	NOTEST	0.00325	0.00335	0.0440666	1
TSG1	HGC_27con	HGC_27004	NOTEST	0.03586	0.03697	0.0440677	1
LOC100505715	HGC_27con	HGC_27004	OK	0.42264	0.43575	0.0440807	0.9624
ZZEF1	HGC_27con	HGC_27004	OK	3.73177	3.84758	0.0440918	0.8762
RSF1	HGC_27con	HGC_27004	OK	7.34951	7.57781	0.044134	0.871
GZMM	HGC_27con	HGC_27004	OK	0.3582	0.36933	0.0441367	0.9162
MRI1	HGC_27con	HGC_27004	OK	21.1863	21.8452	0.044185	0.8761
RNF214	HGC_27con	HGC_27004	OK	7.56749	7.80351	0.0443072	0.9309
ZNF529-AS1	HGC_27con	HGC_27004	OK	3.38263	3.48826	0.0443651	0.9578
TMEM43	HGC_27con	HGC_27004	OK	24.4299	25.1934	0.0443999	0.8726
STXBP5	HGC_27con	HGC_27004	OK	3.00871	3.10282	0.0444367	0.8821
WTAP	HGC_27con	HGC_27004	OK	22.1038	22.7966	0.04452	0.8818
LINC01134	HGC_27con	HGC_27004	NOTEST	0.24149	0.24906	0.0445341	1
TNRC6A	HGC_27con	HGC_27004	OK	7.45044	7.68458	0.0446405	0.869
GEMIN4	HGC_27con	HGC_27004	OK	18.0446	18.6121	0.0446758	0.8735
TPD52	HGC_27con	HGC_27004	OK	45.8627	47.3064	0.0447127	0.8637
PCBP1	HGC_27con	HGC_27004	OK	275.933	284.626	0.0447503	0.8634
LOC101927580	HGC_27con	HGC_27004	NOTEST	0.00507	0.00523	0.0448235	1
NDUFV3	HGC_27con	HGC_27004	OK	25.269	26.067	0.0448547	0.8926

ABCB9	HGC_27con	HGC_27004	OK	2.19295	2.26239	0.0449781	0.9211
SRSF9	HGC_27con	HGC_27004	OK	75.0477	77.4285	0.0450553	0.8876
ZNF516	HGC_27con	HGC_27004	OK	4.2161	4.34986	0.0450587	0.8818
DDX41	HGC_27con	HGC_27004	OK	37.9048	39.1128	0.0452581	0.8652
SPEN	HGC_27con	HGC_27004	OK	4.93566	5.09304	0.0452857	0.8627
SARAF	HGC_27con	HGC_27004	OK	74.8236	77.2181	0.045446	0.8818
ZNF555	HGC_27con	HGC_27004	OK	1.15958	1.19674	0.0455101	0.9037
PPFIA1	HGC_27con	HGC_27004	OK	8.50284	8.7755	0.0455353	0.8723
OCIAD1	HGC_27con	HGC_27004	OK	32.9904	34.0492	0.0455765	0.8661
SLC44A5	HGC_27con	HGC_27004	OK	1.76278	1.81938	0.0455968	0.9213
MRPL12	HGC_27con	HGC_27004	OK	76.6778	79.1439	0.0456697	0.8681
TMEM245	HGC_27con	HGC_27004	OK	20.628	21.2918	0.0456919	0.8622
SURF4	HGC_27con	HGC_27004	OK	104.798	108.17	0.0456919	0.8681
SLC39A1	HGC_27con	HGC_27004	OK	34.3432	35.4519	0.045837	0.9198
MRPL49	HGC_27con	HGC_27004	OK	22.2592	22.9787	0.0458953	0.9509
ECSIT	HGC_27con	HGC_27004	OK	55.7408	57.5433	0.0459146	0.8692
DDX24	HGC_27con	HGC_27004	OK	37.2182	38.4217	0.0459154	0.856
AGO4	HGC_27con	HGC_27004	OK	3.85878	3.98369	0.0459609	0.8848
LOC284578	HGC_27con	HGC_27004	NOTEST	0.01845	0.01904	0.0459841	1
PIGBOS1	HGC_27con	HGC_27004	OK	7.97486	8.23329	0.0460097	0.9734
HDAC10	HGC_27con	HGC_27004	OK	10.6397	10.9848	0.0460478	0.8849
RPL34-AS1	HGC_27con	HGC_27004	NOTEST	0.01051	0.01085	0.0462215	1
TCF3	HGC_27con	HGC_27004	OK	90.3373	93.2795	0.0462383	0.8538
CEMP1	HGC_27con	HGC_27004	OK	4.94136	5.10236	0.0462551	0.9395
LSM14A	HGC_27con	HGC_27004	OK	50.0624	51.6985	0.0463956	0.8552
COMMD4	HGC_27con	HGC_27004	OK	58.4198	60.3305	0.0464304	0.8686
ZBTB8OS	HGC_27con	HGC_27004	OK	8.08328	8.3478	0.0464544	0.9052
RAET1E-AS1	HGC_27con	HGC_27004	OK	9.18295	9.48374	0.0464979	0.9558
C3orf62	HGC_27con	HGC_27004	OK	1.04377	1.07797	0.0465195	0.9213
YTHDC1	HGC_27con	HGC_27004	OK	7.84989	8.10721	0.0465322	0.863
CRY1	HGC_27con	HGC_27004	OK	11.3603	11.7327	0.0465335	0.8753
GDAP1	HGC_27con	HGC_27004	OK	4.70269	4.85687	0.0465426	0.8876
KIAA1656	HGC_27con	HGC_27004	OK	0.38815	0.40088	0.0465554	0.9776
SQRDL	HGC_27con	HGC_27004	NOTEST	0.27336	0.28234	0.0466182	1
UBTD2	HGC_27con	HGC_27004	OK	17.106	17.668	0.0466318	0.8695
CTTNBP2NL	HGC_27con	HGC_27004	OK	5.21635	5.38779	0.0466524	0.876
PPM1B	HGC_27con	HGC_27004	OK	20.4538	21.1262	0.0466665	0.8678
NPC1	HGC_27con	HGC_27004	OK	13.9488	14.4077	0.0466955	0.8856
OSBPL9	HGC_27con	HGC_27004	OK	19.6831	20.3308	0.046709	0.9249
GPANK1	HGC_27con	HGC_27004	OK	6.13444	6.3365	0.0467553	0.9463
ATG9B	HGC_27con	HGC_27004	OK	1.50421	1.55382	0.0468166	0.933
MAN1B1	HGC_27con	HGC_27004	OK	14.2236	14.6927	0.0468171	0.868
MTRF1L	HGC_27con	HGC_27004	OK	5.30095	5.47583	0.0468282	0.907
AGAP2-AS1	HGC_27con	HGC_27004	OK	15.0125	15.5093	0.0469734	0.9047
GFOD2	HGC_27con	HGC_27004	OK	6.90704	7.13567	0.0469822	0.896
MARCH7	HGC_27con	HGC_27004	OK	22.6161	23.3648	0.0469916	0.8592
ARNTL2-AS1	HGC_27con	HGC_27004	NOTEST	0.03886	0.04015	0.0470336	1
RQCD1	HGC_27con	HGC_27004	OK	22.3721	23.1148	0.0471183	0.8701
TAF9B	HGC_27con	HGC_27004	OK	16.3232	16.8661	0.0472032	0.8758
CLEC11A	HGC_27con	HGC_27004	OK	6.42151	6.63509	0.0472032	0.9071
EMC3-AS1	HGC_27con	HGC_27004	OK	1.54589	1.59733	0.0472253	0.91
CAPRIN1	HGC_27con	HGC_27004	OK	53.3854	55.1644	0.0472931	0.8468
CIPC	HGC_27con	HGC_27004	OK	18.5363	19.1555	0.0474023	0.866
MTSS1	HGC_27con	HGC_27004	OK	14.03	14.4986	0.0474036	0.8616

SMPDL3A	HGC_27con	HGC_27004	OK	1.72177	1.7793	0.0474153	0.9325
TMEM91	HGC_27con	HGC_27004	OK	2.25285	2.32845	0.0476183	0.9632
PRPF3	HGC_27con	HGC_27004	OK	11.5904	11.9795	0.0476407	0.8692
MARCH1	HGC_27con	HGC_27004	OK	1.00215	1.0358	0.0476512	0.9198
RSPRY1	HGC_27con	HGC_27004	OK	11.9282	12.3289	0.0476612	0.874
NLE1	HGC_27con	HGC_27004	OK	19.8333	20.5003	0.0477175	0.8682
ATP6V1H	HGC_27con	HGC_27004	OK	12.8744	13.3078	0.0477636	0.8779
SSB	HGC_27con	HGC_27004	OK	32.8707	33.9784	0.0478163	0.8778
HINT1	HGC_27con	HGC_27004	OK	390.838	404.036	0.0479143	0.8518
GLA	HGC_27con	HGC_27004	OK	14.5811	15.0738	0.047941	0.9799
BOLA3-AS1	HGC_27con	HGC_27004	OK	11.922	12.3249	0.0479541	0.9423
LOC100506746	HGC_27con	HGC_27004	OK	1.39639	1.44359	0.0479649	0.9301
GSS	HGC_27con	HGC_27004	OK	29.5633	30.5628	0.0479719	0.8656
LTV1	HGC_27con	HGC_27004	OK	8.96355	9.26666	0.0479796	0.8839
RHOA	HGC_27con	HGC_27004	OK	169.947	175.695	0.0479853	0.8509
BTBD11	HGC_27con	HGC_27004	NOTEST	0.06284	0.06497	0.0480634	1
DPY19L2	HGC_27con	HGC_27004	NOTEST	0.03726	0.03852	0.04814	1
LYPLA2	HGC_27con	HGC_27004	OK	17.8387	18.445	0.048219	0.877
UBE3B	HGC_27con	HGC_27004	OK	6.5703	6.79374	0.0482454	0.9041
NUSAP1	HGC_27con	HGC_27004	OK	44.28	45.7879	0.0483094	0.8554
MRPL51	HGC_27con	HGC_27004	OK	135.57	140.197	0.0484076	0.8564
TMEM243	HGC_27con	HGC_27004	OK	13.8108	14.2823	0.0484344	0.9308
MBLAC1	HGC_27con	HGC_27004	OK	3.29492	3.40743	0.0484405	0.9256
CNOT8	HGC_27con	HGC_27004	OK	24.9315	25.783	0.048449	0.8629
HTR2B	HGC_27con	HGC_27004	NOTEST	0.06376	0.06594	0.0484574	1
SERTAD2	HGC_27con	HGC_27004	OK	14.1268	14.6096	0.048477	0.8592
PIGC	HGC_27con	HGC_27004	OK	19.6294	20.3003	0.0484811	0.8756
RRM2B	HGC_27con	HGC_27004	OK	3.59813	3.72118	0.048513	0.8848
MAPK15	HGC_27con	HGC_27004	OK	0.65364	0.67601	0.0485601	0.9469
ESCO1	HGC_27con	HGC_27004	OK	4.46655	4.61955	0.048592	0.8747
MRPS30	HGC_27con	HGC_27004	OK	45.8819	47.4552	0.0486406	0.8585
RPAP3	HGC_27con	HGC_27004	OK	11.1832	11.5676	0.0487553	0.8637
TWF2	HGC_27con	HGC_27004	OK	28.0487	29.0136	0.0487978	0.8671
ST20	HGC_27con	HGC_27004	OK	8.13597	8.416	0.0488211	0.95
KCTD20	HGC_27con	HGC_27004	OK	27.6147	28.5658	0.0488536	0.8537
SH2D1A	HGC_27con	HGC_27004	NOTEST	0.01338	0.01384	0.048883	1
NDUFB8	HGC_27con	HGC_27004	OK	192.913	199.561	0.0488839	0.8534
C2orf72	HGC_27con	HGC_27004	OK	1.66587	1.7233	0.0489038	0.9156
HARS2	HGC_27con	HGC_27004	OK	17.2461	17.8411	0.0489309	0.9047
DMXL2	HGC_27con	HGC_27004	OK	9.71413	10.0501	0.0490556	0.8557
LOC100288842	HGC_27con	HGC_27004	OK	1.72991	1.78979	0.0490889	0.9516
STEAP1B	HGC_27con	HGC_27004	OK	8.69952	9.00122	0.049185	0.8954
LOC100507175	HGC_27con	HGC_27004	NOTEST	0.01933	0.02	0.049191	1
GPD1L	HGC_27con	HGC_27004	OK	9.11944	9.43654	0.0493119	0.8678
CHST14	HGC_27con	HGC_27004	OK	8.82521	9.13225	0.0493393	0.8884
LOC101927178	HGC_27con	HGC_27004	OK	0.60161	0.6226	0.0494824	0.8626
ZNF791	HGC_27con	HGC_27004	OK	5.39455	5.58298	0.049532	0.885
TRIM5	HGC_27con	HGC_27004	OK	8.92133	9.23299	0.0495385	0.8702
PAM16	HGC_27con	HGC_27004	OK	66.3516	68.6697	0.0495425	0.9265
BBS7	HGC_27con	HGC_27004	OK	4.60956	4.77067	0.0495607	0.8829
TPTE	HGC_27con	HGC_27004	OK	9.38513	9.71356	0.0496233	0.8744
UPF2	HGC_27con	HGC_27004	OK	7.24164	7.49518	0.0496469	0.8543
IPP	HGC_27con	HGC_27004	OK	3.12809	3.23775	0.0497108	0.9375
SDHAF3	HGC_27con	HGC_27004	OK	11.8502	12.2656	0.0497115	0.8751

SLC30A4	HGC_27con	HGC_27004	OK	1.80439	1.86766	0.0497227	0.9064
SNORA6	HGC_27con	HGC_27004	OK	24.7653	25.6345	0.0497639	0.9536
SNRNP70	HGC_27con	HGC_27004	OK	72.7969	75.3557	0.0498399	0.8506
SLC25A1	HGC_27con	HGC_27004	OK	58.7679	60.8339	0.0498466	0.8611
IST1	HGC_27con	HGC_27004	OK	23.4428	24.267	0.0498519	0.8485
RPL21P28	HGC_27con	HGC_27004	OK	1870.3	1936.1	0.0498848	0.8494
FBXL4	HGC_27con	HGC_27004	OK	5.50463	5.69833	0.0498942	0.8831
ACAT1	HGC_27con	HGC_27004	OK	46.1342	47.7576	0.0498949	0.8526
HOXA10	HGC_27con	HGC_27004	OK	6.97132	7.21673	0.0499136	0.901
CNTROB	HGC_27con	HGC_27004	OK	8.4389	8.73632	0.0499702	0.8594
CENPF	HGC_27con	HGC_27004	OK	16.118	16.6871	0.0500634	0.8459
KDELR2	HGC_27con	HGC_27004	OK	157.573	163.139	0.050073	0.8454
KMT2D	HGC_27con	HGC_27004	OK	9.01305	9.33231	0.050219	0.849
DHX57	HGC_27con	HGC_27004	OK	7.38678	7.64856	0.0502422	0.8603
AXDND1	HGC_27con	HGC_27004	NOTEST	0.02656	0.02751	0.0502627	1
HNRNPL	HGC_27con	HGC_27004	OK	156.874	162.438	0.0502916	0.8381
SAP130	HGC_27con	HGC_27004	OK	10.7388	11.1215	0.0505162	0.8576
ICMT	HGC_27con	HGC_27004	OK	26.0933	27.0234	0.0505292	0.8551
PPM1L	HGC_27con	HGC_27004	OK	1.30365	1.35017	0.0505847	0.9259
KBTBD6	HGC_27con	HGC_27004	OK	6.63412	6.87093	0.0506003	0.867
SAP30BP	HGC_27con	HGC_27004	OK	11.1698	11.5691	0.0506831	0.8879
ETFA	HGC_27con	HGC_27004	OK	81.5829	84.5038	0.0507492	0.8492
NUPL2	HGC_27con	HGC_27004	OK	24.0665	24.9286	0.0507729	0.8674
IVNS1ABP	HGC_27con	HGC_27004	OK	28.2899	29.3034	0.0507778	0.849
TRAF3	HGC_27con	HGC_27004	OK	10.8821	11.2727	0.0508773	0.8533
ODF2	HGC_27con	HGC_27004	OK	11.5111	11.9243	0.0508794	0.9531
SON	HGC_27con	HGC_27004	OK	41.9961	43.5043	0.0509026	0.86
RFT1	HGC_27con	HGC_27004	OK	8.2	8.495	0.05099	0.8656
TANC2	HGC_27con	HGC_27004	OK	6.85413	7.10106	0.0510613	0.85
MRPS31P5	HGC_27con	HGC_27004	OK	2.01752	2.09023	0.0510847	0.9145
TWSG1	HGC_27con	HGC_27004	OK	16.8242	17.4311	0.0511255	0.8565
IARS	HGC_27con	HGC_27004	OK	239.439	248.079	0.0511391	0.8439
PCDHB3	HGC_27con	HGC_27004	OK	0.37569	0.38926	0.0511936	0.9379
MEF2A	HGC_27con	HGC_27004	OK	11.2465	11.6531	0.0512407	0.8559
FAAP20	HGC_27con	HGC_27004	OK	60.7893	62.9871	0.0512409	0.902
GOLGA2P7	HGC_27con	HGC_27004	OK	3.23444	3.35166	0.0513599	0.9086
SEPHS1	HGC_27con	HGC_27004	OK	33.2053	34.4087	0.0513605	0.85
EXPH5	HGC_27con	HGC_27004	OK	0.38246	0.39633	0.0513746	0.9192
NOMO2	HGC_27con	HGC_27004	OK	5.09744	5.28225	0.05138	0.8711
GPR107	HGC_27con	HGC_27004	OK	13.3664	13.8511	0.0513962	0.8493
HCG27	HGC_27con	HGC_27004	OK	1.07615	1.11519	0.0514187	0.9369
SLC31A2	HGC_27con	HGC_27004	OK	2.35442	2.43988	0.0514374	0.9248
TMX2	HGC_27con	HGC_27004	OK	56.8082	58.8728	0.0515031	0.9126
RND2	HGC_27con	HGC_27004	OK	15.1546	15.7057	0.0515291	0.8522
FASTKD5	HGC_27con	HGC_27004	OK	8.29546	8.5978	0.0516455	0.8765
TOR1AIP1	HGC_27con	HGC_27004	OK	23.6458	24.5083	0.0516861	0.8471
BCL11B	HGC_27con	HGC_27004	OK	4.92707	5.10682	0.0516951	0.8615
RNF135	HGC_27con	HGC_27004	OK	14.4446	14.9719	0.0517326	0.864
RNF112	HGC_27con	HGC_27004	NOTEST	0.2957	0.3065	0.0517452	1
LAMA3	HGC_27con	HGC_27004	OK	18.6756	19.3577	0.0517528	0.8835
ATAD3B	HGC_27con	HGC_27004	OK	8.98642	9.31481	0.0517801	0.8761
GSK3B	HGC_27con	HGC_27004	OK	9.54535	9.89436	0.0518091	0.8469
SF3A1	HGC_27con	HGC_27004	OK	18.8133	19.5015	0.0518323	0.8492
CD24	HGC_27con	HGC_27004	OK	4.34796	4.5071	0.0518611	0.8999

CDK13	HGC_27con	HGC_27004	OK	13.2272	13.7122	0.0519433	0.8448
PDZD9	HGC_27con	HGC_27004	NOTEST	0.03218	0.03336	0.0519454	1
PRICKLE2-AS3	HGC_27con	HGC_27004	NOTEST	0.13146	0.13628	0.0519692	1
LOC100507388	HGC_27con	HGC_27004	NOTEST	0.02673	0.02772	0.0520338	1
SUZ12	HGC_27con	HGC_27004	OK	18.0144	18.6761	0.052044	0.8511
LRRC6	HGC_27con	HGC_27004	NOTEST	0.02597	0.02693	0.052074	1
LINC01270	HGC_27con	HGC_27004	OK	0.92651	0.96058	0.0520899	0.9477
KIAA1875	HGC_27con	HGC_27004	OK	0.50469	0.52326	0.0521191	0.9231
CENPM	HGC_27con	HGC_27004	OK	31.3658	32.5198	0.0521263	0.8806
NFYC-AS1	HGC_27con	HGC_27004	OK	2.23179	2.31394	0.0521513	0.9536
TCF12	HGC_27con	HGC_27004	OK	56.521	58.6092	0.0523401	0.8294
SRSF4	HGC_27con	HGC_27004	OK	22.4126	23.2415	0.0523923	0.8476
C7orf50	HGC_27con	HGC_27004	OK	30.4783	31.6063	0.0524309	0.8857
SYT17	HGC_27con	HGC_27004	OK	6.66311	6.90982	0.0524527	0.8743
PPHLN1	HGC_27con	HGC_27004	OK	30.0436	31.1563	0.0524676	0.8593
VIM	HGC_27con	HGC_27004	OK	2250.42	2333.8	0.052486	0.8436
SLC6A13	HGC_27con	HGC_27004	NOTEST	0.06793	0.07045	0.0526156	1
ALDOA	HGC_27con	HGC_27004	OK	478.791	496.581	0.0526347	0.837
ZNF813	HGC_27con	HGC_27004	NOTEST	0.01444	0.01498	0.0526652	1
TP53RK	HGC_27con	HGC_27004	OK	8.07119	8.37189	0.0527721	0.8695
TTC4	HGC_27con	HGC_27004	OK	12.6049	13.0746	0.0527769	0.8612
LOC100506321	HGC_27con	HGC_27004	OK	0.6134	0.63628	0.052833	0.9314
STT3A	HGC_27con	HGC_27004	OK	90.8793	94.2706	0.0528555	0.8331
SLC6A4	HGC_27con	HGC_27004	NOTEST	0.13325	0.13824	0.0529825	1
STAC3	HGC_27con	HGC_27004	OK	2.20305	2.28566	0.0531035	0.9217
CDKN2B-AS1	HGC_27con	HGC_27004	OK	4.36914	4.53305	0.0531324	0.9325
DPH5	HGC_27con	HGC_27004	OK	27.0349	28.0512	0.0532372	0.8501
PKM	HGC_27con	HGC_27004	OK	231.966	240.697	0.0533022	0.836
FHOD3	HGC_27con	HGC_27004	OK	0.38253	0.39694	0.0533487	0.9787
KANSL3	HGC_27con	HGC_27004	OK	10.7609	11.1667	0.0534085	0.8496
NUDT19	HGC_27con	HGC_27004	OK	13.5719	14.0837	0.0534091	0.8642
BTN3A1	HGC_27con	HGC_27004	OK	3.65801	3.79599	0.0534176	0.8802
FLJ46906	HGC_27con	HGC_27004	OK	1.94516	2.01855	0.0534314	0.9317
SART3	HGC_27con	HGC_27004	OK	16.7071	17.3384	0.0535045	0.8419
WSB2	HGC_27con	HGC_27004	OK	16.9465	17.5869	0.0535159	0.8518
LOC101929224	HGC_27con	HGC_27004	OK	0.99424	1.0319	0.0536369	0.4358
PDCD5	HGC_27con	HGC_27004	OK	145.749	151.277	0.0537084	0.8422
LPIN2	HGC_27con	HGC_27004	OK	10.481	10.8787	0.0537298	0.8486
PSMD13	HGC_27con	HGC_27004	OK	51.2627	53.2084	0.0537434	0.8408
FAM200B	HGC_27con	HGC_27004	OK	2.02302	2.09984	0.0537681	0.8941
ADPGK	HGC_27con	HGC_27004	OK	19.925	20.6827	0.0538443	0.8517
ZNF502	HGC_27con	HGC_27004	OK	1.17625	1.22098	0.0538507	0.9142
DNM3-IT1	HGC_27con	HGC_27004	NOTEST	0.19111	0.19838	0.0538993	1
URB1-AS1	HGC_27con	HGC_27004	OK	3.9112	4.06036	0.053994	0.9234
TLL12	HGC_27con	HGC_27004	OK	41.5827	43.1698	0.0540369	0.8389
RHOBTB1	HGC_27con	HGC_27004	OK	5.56363	5.77604	0.0540542	0.866
IGF2R	HGC_27con	HGC_27004	OK	11.979	12.4365	0.0540698	0.8373
PDGFC	HGC_27con	HGC_27004	OK	10.8282	11.2419	0.0540911	0.8513
TP53I11	HGC_27con	HGC_27004	OK	7.83917	8.13919	0.0541838	0.8654
ELF4	HGC_27con	HGC_27004	OK	8.07504	8.385	0.0543417	0.8526
PRR3	HGC_27con	HGC_27004	OK	10.7544	11.1676	0.0543925	0.904
DBR1	HGC_27con	HGC_27004	OK	5.14583	5.34358	0.0544046	0.8762
CASP6	HGC_27con	HGC_27004	OK	4.21607	4.37823	0.0544514	0.8991
PBRM1	HGC_27con	HGC_27004	OK	9.26972	9.62639	0.0544699	0.8414

PRELID1	HGC_27con	HGC_27004	OK	84.5497	87.8064	0.0545266	0.8736
NME8	HGC_27con	HGC_27004	NOTEST	0.01177	0.01223	0.0546618	1
TBX2-AS1	HGC_27con	HGC_27004	OK	1.72827	1.79532	0.0549107	0.9433
SLK	HGC_27con	HGC_27004	OK	6.64748	6.90542	0.0549197	0.8375
TADA2A	HGC_27con	HGC_27004	OK	10.1381	10.5315	0.0549237	0.8675
DENND2A	HGC_27con	HGC_27004	OK	1.09917	1.14183	0.0549286	0.9106
OGG1	HGC_27con	HGC_27004	OK	12.1636	12.6357	0.0549301	0.8662
OPN3	HGC_27con	HGC_27004	OK	5.70323	5.92463	0.0549462	0.9286
TBCCD1	HGC_27con	HGC_27004	OK	6.75717	7.02006	0.0550639	0.8746
TAS2R43	HGC_27con	HGC_27004	NOTEST	0.12778	0.13275	0.0550738	1
BMPR1B-AS1	HGC_27con	HGC_27004	NOTEST	0.13181	0.13694	0.0550794	1
ANKRD36B	HGC_27con	HGC_27004	OK	0.93098	0.96724	0.0551268	0.8942
CIAO1	HGC_27con	HGC_27004	OK	20.206	20.9932	0.0551402	0.8395
MECR	HGC_27con	HGC_27004	OK	7.70134	8.00175	0.0552065	0.858
ZNF652	HGC_27con	HGC_27004	OK	4.0664	4.22517	0.0552566	0.8437
TLR10	HGC_27con	HGC_27004	NOTEST	0.06532	0.06787	0.0552727	1
FAM57A	HGC_27con	HGC_27004	OK	21.1866	22.0153	0.0553584	0.8549
WARS2-IT1	HGC_27con	HGC_27004	OK	0.62868	0.65329	0.0554168	0.7605
LINC00662	HGC_27con	HGC_27004	OK	6.59639	6.85512	0.0555038	0.9123
CNKSR3	HGC_27con	HGC_27004	OK	1.85723	1.93013	0.0555399	0.9046
C1QL1	HGC_27con	HGC_27004	OK	30.4427	31.6385	0.0555823	0.8572
HOXD4	HGC_27con	HGC_27004	OK	6.97676	7.25097	0.0556151	0.8929
PDZD11	HGC_27con	HGC_27004	OK	24.772	25.7463	0.0556555	0.8564
CACNB3	HGC_27con	HGC_27004	OK	11.3535	11.8012	0.0558009	0.8554
KDM5A	HGC_27con	HGC_27004	OK	5.6988	5.92372	0.0558441	0.8537
SMC3	HGC_27con	HGC_27004	OK	8.24057	8.56585	0.0558518	0.8439
RWDD3	HGC_27con	HGC_27004	OK	7.96488	8.27933	0.0558616	0.9295
PRPF18	HGC_27con	HGC_27004	OK	10.1173	10.517	0.0559025	0.8642
MIR4458HG	HGC_27con	HGC_27004	OK	2.57915	2.68105	0.055906	0.8992
MED23	HGC_27con	HGC_27004	OK	4.81738	5.00781	0.0559323	0.8613
YME1L1	HGC_27con	HGC_27004	OK	53.9132	56.0455	0.055959	0.8236
MPHOSPH10	HGC_27con	HGC_27004	OK	7.67072	7.9745	0.0560317	0.8516
GALR3	HGC_27con	HGC_27004	OK	0.50305	0.52299	0.0560807	0.9115
PSMB7	HGC_27con	HGC_27004	OK	84.7756	88.1381	0.0561157	0.8654
DBNDD2	HGC_27con	HGC_27004	OK	36.6342	38.0903	0.0562332	0.8814
SPDYE7P	HGC_27con	HGC_27004	OK	0.4877	0.50709	0.0562406	0.9537
IFIT1	HGC_27con	HGC_27004	OK	0.64783	0.67363	0.0563451	0.917
POMT1	HGC_27con	HGC_27004	OK	7.25111	7.53994	0.0563501	0.9005
KLHL2	HGC_27con	HGC_27004	OK	7.46283	7.76066	0.056458	0.8572
LINC01441	HGC_27con	HGC_27004	NOTEST	0.03623	0.03767	0.0564623	1
EIF4G1	HGC_27con	HGC_27004	OK	53.9776	56.1351	0.0565421	0.8254
MIER2	HGC_27con	HGC_27004	OK	8.65631	9.00239	0.0565554	0.8644
SNRNP200	HGC_27con	HGC_27004	OK	42.2924	43.9834	0.0565608	0.8232
ANKRD26	HGC_27con	HGC_27004	OK	3.66196	3.80841	0.0565731	0.8476
RANGRF	HGC_27con	HGC_27004	OK	29.8363	31.0313	0.0566578	0.8795
AMACR	HGC_27con	HGC_27004	OK	8.67764	9.0255	0.0567033	0.8546
MXRA7	HGC_27con	HGC_27004	OK	32.8131	34.1294	0.0567431	0.8425
FAM83D	HGC_27con	HGC_27004	OK	19.1348	19.9024	0.0567437	0.8464
FUT10	HGC_27con	HGC_27004	OK	2.89514	3.01139	0.0567986	0.8804
BID	HGC_27con	HGC_27004	OK	12.8514	13.3675	0.0568033	0.8515
SMARCD2	HGC_27con	HGC_27004	OK	73.1574	76.0959	0.0568145	0.8243
MPC1	HGC_27con	HGC_27004	OK	26.2628	27.3185	0.0568581	0.8554
SNX5	HGC_27con	HGC_27004	OK	54.7295	56.9302	0.0568754	0.8261
PTPMT1	HGC_27con	HGC_27004	OK	7.13367	7.42138	0.0570427	0.925

FUBP3	HGC_27con	HGC_27004	OK	26.271	27.3315	0.0570934	0.8371
LPIN1	HGC_27con	HGC_27004	OK	9.99746	10.4013	0.0571348	0.8418
MROH8	HGC_27con	HGC_27004	OK	0.66481	0.69168	0.0571557	0.9803
LOXL2	HGC_27con	HGC_27004	OK	13.5393	14.0867	0.0571849	0.8408
CINP	HGC_27con	HGC_27004	OK	30.2765	31.501	0.0571972	0.8464
LOC101929064	HGC_27con	HGC_27004	NOTEST	0.03736	0.03887	0.0572002	1
TNKS	HGC_27con	HGC_27004	OK	9.68686	10.0789	0.0572406	0.832
LINC01268	HGC_27con	HGC_27004	NOTEST	0.01141	0.01187	0.0573121	1
ATP6V1D	HGC_27con	HGC_27004	OK	22.8841	23.8117	0.0573211	0.8432
RPS6KA4	HGC_27con	HGC_27004	OK	15.2211	15.839	0.057407	0.841
STX8	HGC_27con	HGC_27004	OK	14.6962	15.2928	0.0574173	0.8717
CREB1	HGC_27con	HGC_27004	OK	3.99792	4.16027	0.0574267	0.8984
BCL7B	HGC_27con	HGC_27004	OK	23.3206	24.2692	0.0575181	0.8453
COPS8	HGC_27con	HGC_27004	OK	26.7098	27.7973	0.0575784	0.838
EBLN2	HGC_27con	HGC_27004	OK	0.96308	1.00232	0.0576239	0.9645
NMRAL1	HGC_27con	HGC_27004	OK	2.71465	2.82547	0.0577264	0.9468
ZNF182	HGC_27con	HGC_27004	OK	1.28142	1.33376	0.057758	0.8979
LARS	HGC_27con	HGC_27004	OK	67.7024	70.4681	0.0577615	0.8177
DIP2A	HGC_27con	HGC_27004	OK	12.9364	13.4652	0.0577992	0.8552
PPP1R3D	HGC_27con	HGC_27004	OK	4.89929	5.09992	0.0579007	0.9114
APEX1	HGC_27con	HGC_27004	OK	152.194	158.428	0.0579172	0.8215
UBE2T	HGC_27con	HGC_27004	OK	47.5214	49.4683	0.057927	0.8422
SYNGR3	HGC_27con	HGC_27004	OK	4.66556	4.85734	0.0581174	0.8938
PIP4K2C	HGC_27con	HGC_27004	OK	7.33823	7.63999	0.0581381	0.8551
LACTB2	HGC_27con	HGC_27004	OK	17.1783	17.8847	0.0581406	0.8522
RNF168	HGC_27con	HGC_27004	OK	4.90232	5.10423	0.0582305	0.8469
CCDC54	HGC_27con	HGC_27004	NOTEST	0.02196	0.02286	0.058232	1
PITD1,APITD1-COR	HGC_27con	HGC_27004	OK	10.1112	10.5278	0.0582464	0.8708
LRCH3	HGC_27con	HGC_27004	OK	5.92962	6.17394	0.0582507	0.8653
NPIP4	HGC_27con	HGC_27004	OK	0.73161	0.76178	0.0582974	0.9191
GON4L	HGC_27con	HGC_27004	OK	4.08974	4.2587	0.0584023	0.8454
AIG1	HGC_27con	HGC_27004	OK	8.73253	9.09375	0.058476	0.8735
HOMEZ	HGC_27con	HGC_27004	OK	5.91881	6.16368	0.0584854	0.8552
RNF141	HGC_27con	HGC_27004	OK	5.62947	5.86247	0.0585074	0.8561
DLX6-AS1	HGC_27con	HGC_27004	OK	1.68966	1.75963	0.0585389	0.9391
BAX	HGC_27con	HGC_27004	OK	52.763	54.9499	0.0585888	0.8464
CHTF18	HGC_27con	HGC_27004	OK	10.4815	10.9159	0.0585927	0.8439
MMS19	HGC_27con	HGC_27004	OK	67.0579	69.8405	0.0586566	0.822
PPCDC	HGC_27con	HGC_27004	OK	3.26239	3.39782	0.0586765	0.8893
PECR	HGC_27con	HGC_27004	OK	7.94777	8.27847	0.0588131	0.871
FOXJ2	HGC_27con	HGC_27004	OK	8.01267	8.34657	0.0588996	0.8349
SH2B1	HGC_27con	HGC_27004	OK	13.2042	13.7544	0.0588996	0.8526
TIMM50	HGC_27con	HGC_27004	OK	25.1642	26.2146	0.0589981	0.8352
ELP3	HGC_27con	HGC_27004	OK	9.9153	10.3292	0.059005	0.8441
CCT6P1	HGC_27con	HGC_27004	OK	3.55763	3.70623	0.0590355	0.9045
ARF5	HGC_27con	HGC_27004	OK	64.9735	67.6878	0.0590442	0.8255
EMX2	HGC_27con	HGC_27004	OK	1.7084	1.77987	0.0591258	0.9237
PPP1R2	HGC_27con	HGC_27004	OK	10.4625	10.9007	0.0591832	0.8404
LSM2	HGC_27con	HGC_27004	OK	71.2002	74.1822	0.0591913	0.84
LOC103171574	HGC_27con	HGC_27004	OK	0.82854	0.86325	0.0591963	0.9324
PFDN1	HGC_27con	HGC_27004	OK	24.7877	25.8277	0.0592933	0.8455
RPA1	HGC_27con	HGC_27004	OK	23.8181	24.8177	0.059313	0.823
NRDE2	HGC_27con	HGC_27004	OK	5.67128	5.90933	0.059318	0.8541
CLASP2	HGC_27con	HGC_27004	OK	6.89658	7.18607	0.0593208	0.8283

AP1G2	HGC_27con	HGC_27004	OK	6.11734	6.37415	0.0593282	0.9101
RALGAPB	HGC_27con	HGC_27004	OK	8.37842	8.73027	0.0593485	0.8261
IFI27L2	HGC_27con	HGC_27004	OK	85.706	89.3138	0.0594872	0.8611
ACIN1	HGC_27con	HGC_27004	OK	36.8	38.3501	0.0595282	0.8422
ZNF845	HGC_27con	HGC_27004	OK	0.72756	0.75824	0.0595799	0.9083
PDHB	HGC_27con	HGC_27004	OK	26.9998	28.1382	0.0595849	0.8356
GPR180	HGC_27con	HGC_27004	OK	7.11607	7.41648	0.0596554	0.829
EIF2A	HGC_27con	HGC_27004	OK	27.0016	28.1416	0.0596626	0.822
XYLB	HGC_27con	HGC_27004	OK	1.07942	1.12502	0.0596948	0.914
IFNAR2	HGC_27con	HGC_27004	OK	5.87287	6.12101	0.0597053	0.8888
SF3A2	HGC_27con	HGC_27004	OK	70.7437	73.7358	0.059764	0.8204
FBXO28	HGC_27con	HGC_27004	OK	10.3783	10.8179	0.0598597	0.833
POLDIP3	HGC_27con	HGC_27004	OK	27.3823	28.5427	0.0598756	0.8226
MYCN	HGC_27con	HGC_27004	OK	0.54783	0.57105	0.0598936	0.9307
TULP4	HGC_27con	HGC_27004	OK	2.00355	2.08856	0.0599488	0.8579
REST	HGC_27con	HGC_27004	OK	5.67195	5.91263	0.059955	0.8283
BFAR	HGC_27con	HGC_27004	OK	14.9169	15.5507	0.0600308	0.8358
ANKRD18DP	HGC_27con	HGC_27004	NOTEST	0.00853	0.0089	0.0600947	1
MLH1	HGC_27con	HGC_27004	OK	13.9313	14.5241	0.0601169	0.8327
PDZD8	HGC_27con	HGC_27004	OK	7.46619	7.78418	0.0601745	0.8361
FKBP14	HGC_27con	HGC_27004	OK	22.0164	22.9544	0.0601936	0.8162
IRF2BP1	HGC_27con	HGC_27004	OK	15.2879	15.94	0.0602634	0.8471
CCNT1	HGC_27con	HGC_27004	OK	11.6312	12.1278	0.0603176	0.8206
STAU1	HGC_27con	HGC_27004	OK	38.074	39.6996	0.060319	0.8209
REEP5	HGC_27con	HGC_27004	OK	18.8872	19.6938	0.0603332	0.8702
TMEM55B	HGC_27con	HGC_27004	OK	14.3739	14.988	0.0603573	0.8425
ADAT2	HGC_27con	HGC_27004	OK	2.29395	2.39198	0.060369	0.862
GOLGA6L4	HGC_27con	HGC_27004	NOTEST	0.10647	0.11102	0.0603776	1
ABCB6	HGC_27con	HGC_27004	OK	26.6258	27.7647	0.060426	0.8257
FLJ35934	HGC_27con	HGC_27004	OK	1.87382	1.95406	0.0604937	0.9194
OPA1	HGC_27con	HGC_27004	OK	11.672	12.1722	0.0605421	0.8289
CNNM3	HGC_27con	HGC_27004	OK	9.31405	9.71355	0.0605892	0.8366
ZDHHC4	HGC_27con	HGC_27004	OK	74.5978	77.8016	0.0606663	0.8213
ASTN2	HGC_27con	HGC_27004	OK	5.07715	5.2953	0.0606944	0.9155
CLPTM1L	HGC_27con	HGC_27004	OK	70.1823	73.1981	0.0606996	0.8195
RELA	HGC_27con	HGC_27004	OK	24.6694	25.7297	0.0607125	0.8319
UCK1	HGC_27con	HGC_27004	OK	10.2707	10.7123	0.0607384	0.879
RNF17	HGC_27con	HGC_27004	NOTEST	0.01022	0.01066	0.0607508	1
ROBO2	HGC_27con	HGC_27004	OK	4.513	4.70713	0.0607608	0.8299
ZNF721	HGC_27con	HGC_27004	OK	3.64113	3.79812	0.0608984	0.857
RNF217	HGC_27con	HGC_27004	OK	2.27805	2.37629	0.0609102	0.8754
BAD	HGC_27con	HGC_27004	OK	26.5464	27.6913	0.0609167	0.9005
KIF13A	HGC_27con	HGC_27004	OK	5.04984	5.2678	0.0609607	0.8682
SMCO4	HGC_27con	HGC_27004	OK	4.0212	4.19478	0.060969	0.9098
ZPLD1	HGC_27con	HGC_27004	NOTEST	0.03075	0.03208	0.061019	1
RIOK2	HGC_27con	HGC_27004	OK	11.4428	11.9375	0.0610563	0.836
THADA	HGC_27con	HGC_27004	OK	10.7225	11.1871	0.0611994	0.8312
FBXO25	HGC_27con	HGC_27004	OK	6.53313	6.81649	0.0612551	0.8554
POMGNT2	HGC_27con	HGC_27004	OK	2.969	3.09794	0.0613351	0.8875
METTL21EP	HGC_27con	HGC_27004	NOTEST	0.01803	0.01882	0.0613594	1
BTN2A2	HGC_27con	HGC_27004	OK	2.28184	2.38106	0.0614021	0.877
USP33	HGC_27con	HGC_27004	OK	13.2331	13.8088	0.0614329	0.8231
PTTG1IP	HGC_27con	HGC_27004	OK	53.4623	55.7884	0.0614446	0.8135
HADH	HGC_27con	HGC_27004	OK	27.2022	28.3859	0.0614518	0.8317

CERS2	HGC_27con	HGC_27004	OK	83.5774	87.2231	0.0615973	0.8077
MRPL3	HGC_27con	HGC_27004	OK	44.1603	46.0866	0.061598	0.8211
MAGEA10	HGC_27con	HGC_27004	OK	17.1503	17.8987	0.0616209	0.832
EIF4ENIF1	HGC_27con	HGC_27004	OK	5.8416	6.09685	0.0616987	0.8481
WDR46	HGC_27con	HGC_27004	OK	19.8578	20.7256	0.061709	0.827
MLYCD	HGC_27con	HGC_27004	OK	4.62949	4.832	0.0617658	0.8787
LOC101927356	HGC_27con	HGC_27004	NOTEST	0.01284	0.0134	0.0617773	1
MOB3A	HGC_27con	HGC_27004	OK	13.0313	13.6021	0.0618484	0.8385
ADK	HGC_27con	HGC_27004	OK	27.4164	28.6179	0.0618813	0.8239
SPINT2	HGC_27con	HGC_27004	OK	2.61347	2.72808	0.0619211	0.9095
PANK2	HGC_27con	HGC_27004	OK	13.7033	14.3047	0.0619676	0.8413
PPM1D	HGC_27con	HGC_27004	OK	5.57347	5.8182	0.0619976	0.8431
CXorf56	HGC_27con	HGC_27004	OK	12.3232	12.8646	0.0620259	0.8352
PIK3CA	HGC_27con	HGC_27004	OK	3.94979	4.12346	0.0620777	0.856
CLCN3	HGC_27con	HGC_27004	OK	24.2996	25.369	0.0621335	0.8103
EFTUD2	HGC_27con	HGC_27004	OK	31.4983	32.8851	0.0621604	0.8133
CPEB3	HGC_27con	HGC_27004	OK	1.7256	1.80166	0.0622293	0.8802
ARID1B	HGC_27con	HGC_27004	OK	6.75309	7.05078	0.0622364	0.8213
CTAGE5	HGC_27con	HGC_27004	OK	8.48532	8.85941	0.0622421	0.8346
WDR83	HGC_27con	HGC_27004	OK	13.4168	14.0089	0.0623054	0.9438
ALKBH8	HGC_27con	HGC_27004	OK	2.95623	3.08681	0.0623604	0.8546
MRPS14	HGC_27con	HGC_27004	OK	15.1296	15.798	0.0623681	0.8329
PCDHAC1	HGC_27con	HGC_27004	NOTEST	0.19311	0.20165	0.0623783	1
DCUN1D2	HGC_27con	HGC_27004	OK	4.05559	4.23484	0.062394	0.8666
PNPLA6	HGC_27con	HGC_27004	OK	9.12333	9.52671	0.0624176	0.8313
ZFAND6	HGC_27con	HGC_27004	OK	23.64	24.6854	0.0624283	0.8371
ATP5G1	HGC_27con	HGC_27004	OK	122.814	128.248	0.0624668	0.8255
EPS15	HGC_27con	HGC_27004	OK	8.13524	8.49543	0.0625029	0.8271
SNHG11	HGC_27con	HGC_27004	OK	11.5852	12.0984	0.0625289	0.8723
KRD20A1,ANKRD2	HGC_27con	HGC_27004	NOTEST	0.00645	0.00674	0.0625629	1
KDM3B	HGC_27con	HGC_27004	OK	12.9239	13.4969	0.0625934	0.8143
CACNB1	HGC_27con	HGC_27004	OK	4.25135	4.43988	0.0625971	0.8624
ADD3	HGC_27con	HGC_27004	OK	10.5277	10.9945	0.0626028	0.8232
CIRBP	HGC_27con	HGC_27004	OK	282.563	295.096	0.0626081	0.8171
HIATL1	HGC_27con	HGC_27004	OK	30.8394	32.2074	0.0626169	0.8142
USP51	HGC_27con	HGC_27004	OK	0.91268	0.95319	0.0626529	0.9036
THOC7	HGC_27con	HGC_27004	OK	25.376	26.5027	0.0626732	0.8435
BEAN1-AS1	HGC_27con	HGC_27004	NOTEST	0.09439	0.09859	0.0628167	1
METTL6	HGC_27con	HGC_27004	OK	10.1931	10.6468	0.0628222	0.8572
MECP2	HGC_27con	HGC_27004	OK	7.95543	8.30967	0.0628515	0.8554
KIAA1468	HGC_27con	HGC_27004	OK	7.4539	7.78585	0.062859	0.8317
TTC27	HGC_27con	HGC_27004	OK	15.9766	16.689	0.0629414	0.8185
LOC101929468	HGC_27con	HGC_27004	NOTEST	0.01174	0.01226	0.0629711	1
SIRT5	HGC_27con	HGC_27004	OK	6.89695	7.20479	0.062997	0.843
SPINK5	HGC_27con	HGC_27004	OK	1.49506	1.5619	0.0631015	0.8754
ARID4A	HGC_27con	HGC_27004	OK	3.54118	3.69959	0.0631353	0.8363
RNF216	HGC_27con	HGC_27004	OK	16.6482	17.3934	0.0631721	0.8098
P1-UPK3BP1-PMS	HGC_27con	HGC_27004	OK	0.62275	0.65064	0.063205	0.9334
LRRFIP2	HGC_27con	HGC_27004	OK	5.81264	6.07322	0.0632665	0.8417
DBN1	HGC_27con	HGC_27004	OK	81.4536	85.1057	0.0632771	0.8092
TTPAL	HGC_27con	HGC_27004	OK	4.91951	5.14013	0.0632909	0.8303
LAP3	HGC_27con	HGC_27004	OK	20.3191	21.2309	0.0633331	0.8258
C1orf140	HGC_27con	HGC_27004	NOTEST	0.01784	0.01864	0.063336	1
LONP2	HGC_27con	HGC_27004	OK	17.5549	18.3428	0.0633402	0.8767

KIAA0513	HGC_27con	HGC_27004	OK	0.98737	1.03171	0.0633834	0.8945
SIN3A	HGC_27con	HGC_27004	OK	13.0157	13.6003	0.0633857	0.8117
TMEM249	HGC_27con	HGC_27004	OK	0.703	0.7346	0.0634288	0.9348
SDHAP2	HGC_27con	HGC_27004	OK	2.0049	2.09501	0.0634308	0.8974
TMPRSS11B	HGC_27con	HGC_27004	NOTEST	0.01236	0.01292	0.063433	1
SLC16A13	HGC_27con	HGC_27004	OK	2.39447	2.50215	0.063466	0.9128
FAM217B	HGC_27con	HGC_27004	OK	5.74278	6.0013	0.0635251	0.8534
ALG14	HGC_27con	HGC_27004	OK	11.3135	11.823	0.0635471	0.8697
HIBCH	HGC_27con	HGC_27004	OK	15.9802	16.7004	0.0635964	0.8312
RICTOR	HGC_27con	HGC_27004	OK	3.49139	3.64904	0.063714	0.8283
RCE1	HGC_27con	HGC_27004	OK	15.9143	16.633	0.0637256	0.8793
DCTN1-AS1	HGC_27con	HGC_27004	NOTEST	0.02073	0.02166	0.0637298	1
LOC101928272	HGC_27con	HGC_27004	OK	1.29874	1.35741	0.0637428	0.9103
SSH1	HGC_27con	HGC_27004	OK	3.72277	3.891	0.0637652	0.8384
CD302	HGC_27con	HGC_27004	OK	10.1388	10.5977	0.0638561	0.8231
MEPCE	HGC_27con	HGC_27004	OK	36.2953	37.9387	0.0638876	0.8164
EMC8	HGC_27con	HGC_27004	OK	22.2665	23.2756	0.0639404	0.832
GNRHR2	HGC_27con	HGC_27004	OK	18.9768	19.837	0.0639514	0.9634
RBM6	HGC_27con	HGC_27004	OK	8.86233	9.2649	0.0640894	0.8291
ALKBH3	HGC_27con	HGC_27004	OK	10.2974	10.7656	0.0641479	0.8498
PCBD2	HGC_27con	HGC_27004	OK	6.7219	7.02775	0.0641932	0.8595
PMPCB	HGC_27con	HGC_27004	OK	19.0924	19.9612	0.0641998	0.8481
DYNC1LI2	HGC_27con	HGC_27004	OK	22.3286	23.3453	0.0642426	0.8077
ATG10	HGC_27con	HGC_27004	OK	3.79814	3.97116	0.0642688	0.8703
C12orf49	HGC_27con	HGC_27004	OK	4.59061	4.79996	0.0643361	0.8426
PAPD4	HGC_27con	HGC_27004	OK	12.1841	12.7403	0.0643985	0.8258
TIGD1	HGC_27con	HGC_27004	OK	3.49693	3.65668	0.064447	0.9281
TRMT1	HGC_27con	HGC_27004	OK	36.3285	37.9886	0.0644669	0.8109
THOC6	HGC_27con	HGC_27004	OK	35.1659	36.7735	0.0644857	0.8466
ZNF326	HGC_27con	HGC_27004	OK	10.1334	10.597	0.0645394	0.8463
INHBC	HGC_27con	HGC_27004	OK	0.93991	0.98291	0.0645403	0.9124
APIP	HGC_27con	HGC_27004	OK	19.0471	19.9188	0.0645579	0.888
PAGR1	HGC_27con	HGC_27004	OK	13.7432	14.3727	0.0646141	0.8294
BPNT1	HGC_27con	HGC_27004	OK	16.7172	17.4838	0.0646837	0.9567
POLR2B	HGC_27con	HGC_27004	OK	38.5449	40.3128	0.0646996	0.8304
LOC389765	HGC_27con	HGC_27004	OK	1.0276	1.07476	0.0647323	0.9131
LIX1L	HGC_27con	HGC_27004	OK	26.0277	27.223	0.0647828	0.9205
TMEM143	HGC_27con	HGC_27004	OK	6.71735	7.02588	0.0647865	0.8526
ACACA	HGC_27con	HGC_27004	OK	16.1341	16.8755	0.0648105	0.7926
RYK	HGC_27con	HGC_27004	OK	13.7721	14.4053	0.0648437	0.8207
MSANTD4	HGC_27con	HGC_27004	OK	6.64815	6.95404	0.064899	0.8274
NRARP	HGC_27con	HGC_27004	OK	9.89204	10.3474	0.0649349	0.8492
LOC642846	HGC_27con	HGC_27004	OK	1.15332	1.20644	0.0649654	0.8973
SMG7	HGC_27con	HGC_27004	OK	16.194	16.9401	0.0649835	0.8092
RIPK2	HGC_27con	HGC_27004	OK	11.1445	11.6585	0.065053	0.8366
ATP6V1C1	HGC_27con	HGC_27004	OK	3.85473	4.03253	0.0650552	0.8417
PHF6	HGC_27con	HGC_27004	OK	16.8213	17.5982	0.0651402	0.8153
NUBPL	HGC_27con	HGC_27004	OK	3.84454	4.02237	0.0652333	0.8571
DDX1	HGC_27con	HGC_27004	OK	50.7116	53.0597	0.0653003	0.8047
HIRA	HGC_27con	HGC_27004	OK	16.4775	17.2408	0.0653277	0.8131
ANKS6	HGC_27con	HGC_27004	OK	14.3347	14.9988	0.0653369	0.8113
HNRNPH2	HGC_27con	HGC_27004	OK	2.98567	3.12407	0.0653747	0.979
UPRT	HGC_27con	HGC_27004	OK	2.65086	2.77408	0.065549	0.8761
HOXB7	HGC_27con	HGC_27004	OK	6.02237	6.30265	0.0656271	0.8703

A4GALT	HGC_27con	HGC_27004	OK	1.49271	1.56222	0.0656622	0.9098
NPRL2	HGC_27con	HGC_27004	OK	7.65	8.0063	0.0656765	0.9093
TYW5	HGC_27con	HGC_27004	OK	2.10946	2.20781	0.0657417	0.8957
PRPF8	HGC_27con	HGC_27004	OK	41.626	43.5672	0.0657559	0.796
VPREB3	HGC_27con	HGC_27004	OK	1.09293	1.14398	0.0658561	0.9287
LOC100505658	HGC_27con	HGC_27004	NOTEST	0.01217	0.01274	0.065889	1
LOC645513	HGC_27con	HGC_27004	OK	2.08963	2.1874	0.0659678	0.967
TUBE1	HGC_27con	HGC_27004	OK	16.2835	17.0454	0.0659679	0.8248
DNAJC8	HGC_27con	HGC_27004	OK	29.9944	31.403	0.0662068	0.8105
MSL3P1	HGC_27con	HGC_27004	OK	6.79427	7.11345	0.0662303	0.8498
RBM5-AS1	HGC_27con	HGC_27004	OK	2.95555	3.09454	0.0662956	0.9622
QRICH1	HGC_27con	HGC_27004	OK	11.53	12.0723	0.0663075	0.819
ARID3C	HGC_27con	HGC_27004	NOTEST	0.22117	0.23158	0.0663268	1
CDC73	HGC_27con	HGC_27004	OK	9.12631	9.55583	0.0663491	0.8123
BRAF	HGC_27con	HGC_27004	OK	4.18781	4.38514	0.0664266	0.8499
FTCDNL1	HGC_27con	HGC_27004	OK	0.51912	0.54361	0.0664968	0.9383
DIP2C	HGC_27con	HGC_27004	OK	10.0216	10.4952	0.0666159	0.8072
CNTRL	HGC_27con	HGC_27004	OK	2.10087	2.20026	0.066689	0.8332
RBM3	HGC_27con	HGC_27004	OK	46.1454	48.3286	0.0666892	0.796
LOC101927740	HGC_27con	HGC_27004	OK	0.50073	0.52443	0.0667125	0.9206
CAMTA1	HGC_27con	HGC_27004	OK	41.2119	43.1642	0.0667735	0.8449
LOC101927027	HGC_27con	HGC_27004	OK	9.62456	10.0807	0.0668077	0.9635
MTA3	HGC_27con	HGC_27004	OK	24.5353	25.6984	0.0668159	0.8157
KIAA0100	HGC_27con	HGC_27004	OK	22.5051	23.5725	0.0668493	0.799
AP3B1	HGC_27con	HGC_27004	OK	15.329	16.0567	0.0669069	0.8093
POLR1B	HGC_27con	HGC_27004	OK	11.6157	12.1671	0.0669136	0.8105
ATP13A3	HGC_27con	HGC_27004	OK	14.4055	15.0905	0.0670268	0.8029
LOC101928401	HGC_27con	HGC_27004	NOTEST	0.01829	0.01917	0.0670993	1
NRIP1	HGC_27con	HGC_27004	OK	5.63695	5.90553	0.0671512	0.822
SPN	HGC_27con	HGC_27004	NOTEST	0.05166	0.05412	0.0671848	1
CAP1	HGC_27con	HGC_27004	OK	65.0747	68.179	0.0672314	0.792
DHX38	HGC_27con	HGC_27004	OK	13.7646	14.4217	0.0672812	0.8162
TRIM25	HGC_27con	HGC_27004	OK	17.2622	18.0866	0.0672988	0.7931
GOLGA5	HGC_27con	HGC_27004	OK	21.5997	22.6315	0.06732	0.8019
PSIP1	HGC_27con	HGC_27004	OK	65.9332	69.083	0.0673252	0.7953
DDX55	HGC_27con	HGC_27004	OK	6.92999	7.26114	0.0673445	0.832
TMEM163	HGC_27con	HGC_27004	NOTEST	0.27597	0.28916	0.0673694	1
CDC25B	HGC_27con	HGC_27004	OK	40.0238	41.9374	0.0673781	0.801
SNRNP40	HGC_27con	HGC_27004	OK	26.8042	28.0869	0.0674429	0.8199
MLX	HGC_27con	HGC_27004	OK	23.7969	24.9366	0.067496	0.8235
CDK4	HGC_27con	HGC_27004	OK	83.922	87.9419	0.0675018	0.7957
CHMP1B2P	HGC_27con	HGC_27004	OK	0.79058	0.82847	0.0675392	0.882
BANF1	HGC_27con	HGC_27004	OK	119.203	124.922	0.0676087	0.8119
PPP5C	HGC_27con	HGC_27004	OK	24.8692	26.0641	0.067709	0.8088
CIC	HGC_27con	HGC_27004	OK	14.2387	14.9243	0.0678467	0.7977
CFAP97	HGC_27con	HGC_27004	OK	26.0263	27.2797	0.067858	0.7956
CCDC77	HGC_27con	HGC_27004	OK	7.87644	8.25619	0.0679323	0.8999
GPR162	HGC_27con	HGC_27004	OK	12.1929	12.7808	0.0679384	0.8281
THUMPD1	HGC_27con	HGC_27004	OK	9.90825	10.3861	0.0679471	0.8054
C3orf17	HGC_27con	HGC_27004	OK	9.653	10.1186	0.0679632	0.8092
IDE	HGC_27con	HGC_27004	OK	12.8321	13.4512	0.0679711	0.8026
SLC16A6	HGC_27con	HGC_27004	OK	1.83667	1.92533	0.0680107	0.9585
SCAMP2	HGC_27con	HGC_27004	OK	30.3683	31.8366	0.0681188	0.8298
PRKCI	HGC_27con	HGC_27004	OK	11.2176	11.7601	0.0681327	0.8069

COX5A	HGC_27con	HGC_27004	OK	241.318	252.993	0.0681593	0.7937
TSR1	HGC_27con	HGC_27004	OK	14.3181	15.0109	0.068175	0.8089
KAZN	HGC_27con	HGC_27004	OK	7.5612	7.92728	0.0682113	0.832
TCHP	HGC_27con	HGC_27004	OK	4.38839	4.60097	0.0682453	0.8382
LINC00518	HGC_27con	HGC_27004	NOTEST	0.02578	0.02703	0.0682586	1
WDR7	HGC_27con	HGC_27004	OK	3.89184	4.08059	0.068324	0.8288
GRHL1	HGC_27con	HGC_27004	OK	1.06995	1.1219	0.0683928	0.8973
TRAF2	HGC_27con	HGC_27004	OK	7.12812	7.47421	0.0683999	0.8409
SPCS2	HGC_27con	HGC_27004	OK	33.3648	34.9859	0.0684466	0.7977
CCND3	HGC_27con	HGC_27004	OK	13.5369	14.1947	0.0684488	0.8358
ZBTB38	HGC_27con	HGC_27004	OK	1.83468	1.92391	0.0685124	0.8424
ZNF732	HGC_27con	HGC_27004	NOTEST	0.05688	0.05965	0.0685437	1
ISL1	HGC_27con	HGC_27004	OK	1.64273	1.72268	0.0685583	0.8965
SV2C	HGC_27con	HGC_27004	OK	1.83168	1.92085	0.0685774	0.8349
NDUFA13	HGC_27con	HGC_27004	OK	381.218	399.786	0.0686096	0.7978
IQCK	HGC_27con	HGC_27004	OK	7.40419	7.76494	0.0686332	0.878
SLMO2-ATP5E	HGC_27con	HGC_27004	OK	19.6736	20.6336	0.068735	0.9288
GOLGA2	HGC_27con	HGC_27004	OK	17.117	17.9545	0.0689128	0.8008
BOLA3	HGC_27con	HGC_27004	OK	64.6868	67.8522	0.0689244	0.826
HNRNPA1	HGC_27con	HGC_27004	OK	909.963	954.511	0.0689532	0.803
OGFOD1	HGC_27con	HGC_27004	OK	19.3035	20.2501	0.0690663	0.8064
TXNL4A	HGC_27con	HGC_27004	OK	32.3924	33.9812	0.0690824	0.813
CDCA8	HGC_27con	HGC_27004	OK	25.373	26.6195	0.0691919	0.794
CNPY3	HGC_27con	HGC_27004	OK	24.152	25.3392	0.0692299	0.8123
ZNF12	HGC_27con	HGC_27004	OK	7.09223	7.44092	0.0692432	0.8106
ZNF134	HGC_27con	HGC_27004	OK	1.19303	1.25173	0.0692922	0.9033
DNAJC2	HGC_27con	HGC_27004	OK	13.3838	14.043	0.069371	0.8654
RBPJ	HGC_27con	HGC_27004	OK	10.561	11.0826	0.0695518	0.813
THUMPD2	HGC_27con	HGC_27004	OK	7.02731	7.37453	0.0695785	0.8362
DNAJC15	HGC_27con	HGC_27004	OK	2.77356	2.91063	0.0695936	0.8716
BRI3	HGC_27con	HGC_27004	OK	120.221	126.164	0.0696046	0.8208
PPP1R35	HGC_27con	HGC_27004	OK	17.385	18.2449	0.0696521	0.8497
ATP2C1	HGC_27con	HGC_27004	OK	15.9909	16.7825	0.0697099	0.8157
MBNL1	HGC_27con	HGC_27004	OK	23.6113	24.7805	0.0697267	0.7994
ZNF200	HGC_27con	HGC_27004	OK	3.2638	3.42543	0.0697291	0.8536
SSPN	HGC_27con	HGC_27004	NOTEST	0.081	0.08501	0.0697446	1
C8orf33	HGC_27con	HGC_27004	OK	12.1996	12.8045	0.06981	0.8215
GALNT18	HGC_27con	HGC_27004	OK	3.24457	3.4057	0.0699232	0.868
XPO6	HGC_27con	HGC_27004	OK	24.6358	25.8596	0.0699447	0.7887
FAM200A	HGC_27con	HGC_27004	OK	3.23512	3.39587	0.0699613	0.8606
TMEM185B	HGC_27con	HGC_27004	OK	9.44032	9.90973	0.0700106	0.8032
TBK1	HGC_27con	HGC_27004	OK	4.67374	4.90631	0.0700611	0.8353
LANCL2	HGC_27con	HGC_27004	OK	4.50462	4.72909	0.0701564	0.8365
WAC-AS1	HGC_27con	HGC_27004	OK	23.5356	24.7109	0.0703038	0.7879
C5orf15	HGC_27con	HGC_27004	OK	25.4878	26.762	0.0703748	0.8023
INO80B-WBP1	HGC_27con	HGC_27004	OK	9.21696	9.67873	0.0705274	0.9133
RBM48	HGC_27con	HGC_27004	OK	4.33872	4.55619	0.0705586	0.8652
RNF6	HGC_27con	HGC_27004	OK	10.8736	11.4195	0.0706605	0.8048
NUB1	HGC_27con	HGC_27004	OK	10.1902	10.7023	0.0707432	0.8025
UTP14C	HGC_27con	HGC_27004	OK	5.42484	5.69787	0.0708429	0.8254
TXNL4B	HGC_27con	HGC_27004	OK	8.38008	8.80282	0.0710014	0.91
PTPRA	HGC_27con	HGC_27004	OK	18.8031	19.7527	0.0710794	0.8521
RAB8A	HGC_27con	HGC_27004	OK	33.6456	35.3449	0.071087	0.7974
PTGS2	HGC_27con	HGC_27004	NOTEST	0.00847	0.00889	0.0711978	1

METTL2A	HGC_27con	HGC_27004	OK	5.55438	5.83575	0.0712923	0.8374
CAMTA2	HGC_27con	HGC_27004	OK	2.93644	3.08545	0.0714133	0.8496
ZNF227	HGC_27con	HGC_27004	OK	3.3665	3.53738	0.0714308	0.8444
ZCCHC2	HGC_27con	HGC_27004	OK	3.88141	4.07863	0.0715016	0.8193
HAUS3	HGC_27con	HGC_27004	OK	10.0105	10.5192	0.0715091	0.8153
PSME1	HGC_27con	HGC_27004	OK	71.8805	75.5409	0.0716576	0.7942
PFAS	HGC_27con	HGC_27004	OK	22.8816	24.0477	0.0717155	0.7878
PAN3	HGC_27con	HGC_27004	OK	7.4702	7.85105	0.0717375	0.8044
PPM1G	HGC_27con	HGC_27004	OK	64.498	67.7911	0.0718412	0.7815
DPAGT1	HGC_27con	HGC_27004	OK	37.0865	38.9803	0.0718517	0.7967
KIF20B	HGC_27con	HGC_27004	OK	6.38145	6.70733	0.0718536	0.7974
DHRS4-AS1	HGC_27con	HGC_27004	OK	5.27171	5.54093	0.0718578	0.8685
ALDH1L2	HGC_27con	HGC_27004	OK	16.0412	16.8608	0.0718875	0.784
NDUFA1	HGC_27con	HGC_27004	OK	149.006	156.627	0.0719603	0.8313
NDUFB3	HGC_27con	HGC_27004	OK	30.2468	31.7939	0.0719699	0.8282
SNHG10	HGC_27con	HGC_27004	OK	8.91258	9.36907	0.0720618	0.8597
MIPEP	HGC_27con	HGC_27004	OK	6.48622	6.81867	0.0721127	0.837
C1QL4	HGC_27con	HGC_27004	OK	8.46816	8.90232	0.0721328	0.8369
GFPT2	HGC_27con	HGC_27004	OK	0.4081	0.42904	0.0721759	0.9213
TBL3	HGC_27con	HGC_27004	OK	19.9441	20.9683	0.0722468	0.8016
TFG	HGC_27con	HGC_27004	OK	51.2792	53.9149	0.0723094	0.7844
CWF19L1	HGC_27con	HGC_27004	OK	18.7724	19.7377	0.0723431	0.7983
NRSN2-AS1	HGC_27con	HGC_27004	OK	11.6654	12.2659	0.0724078	0.8343
DNAAF5	HGC_27con	HGC_27004	OK	30.0455	31.5922	0.0724206	0.8166
PTEN	HGC_27con	HGC_27004	NOTEST	0.00446	0.00469	0.0725132	1
UBE2Q1	HGC_27con	HGC_27004	OK	24.263	25.5158	0.0726339	0.7903
POFUT1	HGC_27con	HGC_27004	OK	15.103	15.8829	0.0726405	0.7898
BAG5	HGC_27con	HGC_27004	OK	15.8059	16.624	0.0728037	0.7924
PMS1	HGC_27con	HGC_27004	OK	13.2346	13.9198	0.0728215	0.845
SLCO4A1-AS1	HGC_27con	HGC_27004	OK	0.62586	0.65826	0.0728237	0.9499
SNORD127	HGC_27con	HGC_27004	OK	9.12542	9.5979	0.0728276	0.6552
CNST	HGC_27con	HGC_27004	OK	6.56212	6.90191	0.0728335	0.8041
GAMT	HGC_27con	HGC_27004	OK	56.3435	59.263	0.0728827	0.8039
CSNK2A2	HGC_27con	HGC_27004	OK	29.745	31.2869	0.0729134	0.803
GATAD1	HGC_27con	HGC_27004	OK	13.3199	14.0107	0.072942	0.7866
ASNS	HGC_27con	HGC_27004	OK	206.776	217.503	0.0729706	0.7715
RBFOX2	HGC_27con	HGC_27004	OK	30.5144	32.0982	0.0730042	0.7734
ICE2	HGC_27con	HGC_27004	OK	8.87625	9.33741	0.0730725	0.7974
RAB2B	HGC_27con	HGC_27004	OK	8.77702	9.23333	0.0731194	0.8164
SRRD	HGC_27con	HGC_27004	OK	8.27438	8.7046	0.0731277	0.9005
ITGA7	HGC_27con	HGC_27004	OK	1.33414	1.40367	0.0732901	0.8897
DHX34	HGC_27con	HGC_27004	OK	7.54887	7.94232	0.0733008	0.8105
AMDHD2	HGC_27con	HGC_27004	OK	14.1457	14.883	0.0733013	0.842
TRAPPC6B	HGC_27con	HGC_27004	OK	6.78618	7.1399	0.0733035	0.8159
CPPED1	HGC_27con	HGC_27004	OK	2.87475	3.02472	0.0733647	0.8312
TRAPPC11	HGC_27con	HGC_27004	OK	14.0727	14.8076	0.0734401	0.7886
NASP	HGC_27con	HGC_27004	OK	41.84	44.0261	0.0734766	0.7875
NDC80	HGC_27con	HGC_27004	OK	21.2172	22.3266	0.0735303	0.7911
LRRC37B	HGC_27con	HGC_27004	OK	2.33462	2.45672	0.0735461	0.867
LIAS	HGC_27con	HGC_27004	OK	8.38031	8.81957	0.0737036	0.9655
PRPF40A	HGC_27con	HGC_27004	OK	12.5755	13.2357	0.0738189	0.7819
INTS4	HGC_27con	HGC_27004	OK	10.4525	11.0012	0.0738234	0.8068
SF3B3	HGC_27con	HGC_27004	OK	20.3375	21.4061	0.0738776	0.7735
PPT1	HGC_27con	HGC_27004	OK	78.3786	82.5012	0.0739568	0.7719

TINF2	HGC_27con	HGC_27004	OK	14.348	15.1035	0.0740309	0.8049
TMEM232	HGC_27con	HGC_27004	NOTEST	0.00892	0.00939	0.0740643	1
ITPRIPL1	HGC_27con	HGC_27004	OK	1.91263	2.01339	0.0740735	0.8894
PRMT5	HGC_27con	HGC_27004	OK	46.1104	48.5459	0.0742576	0.7744
SLC25A38	HGC_27con	HGC_27004	OK	15.9182	16.7593	0.0742878	0.8105
KCNH3	HGC_27con	HGC_27004	OK	7.13594	7.51327	0.0743385	0.9011
RIC8B	HGC_27con	HGC_27004	OK	1.82357	1.92007	0.0743903	0.8969
KAT5	HGC_27con	HGC_27004	OK	8.62164	9.07791	0.0743978	0.89
ATP6V0E2	HGC_27con	HGC_27004	OK	22.1326	23.3042	0.0744196	0.8172
MED21	HGC_27con	HGC_27004	OK	16.6048	17.4843	0.0744659	0.7983
DERA	HGC_27con	HGC_27004	OK	22.868	24.0801	0.0745112	0.7971
RBM39	HGC_27con	HGC_27004	OK	64.1738	67.5762	0.0745318	0.7717
PPP1CB	HGC_27con	HGC_27004	OK	40.1706	42.3025	0.0746032	0.7725
ACADM	HGC_27con	HGC_27004	OK	29.2646	30.818	0.0746143	0.7864
SEC61A1	HGC_27con	HGC_27004	OK	123.381	129.936	0.0746715	0.7724
PEX19	HGC_27con	HGC_27004	OK	12.6217	13.2925	0.0747125	0.7899
RNF34	HGC_27con	HGC_27004	OK	8.38331	8.82905	0.0747384	0.8214
C2orf47	HGC_27con	HGC_27004	OK	15.6992	16.5342	0.0747608	0.8444
ZNF397	HGC_27con	HGC_27004	OK	7.10155	7.47932	0.0747724	0.845
CTU1	HGC_27con	HGC_27004	OK	6.55535	6.90407	0.0747755	0.8525
PHTF1	HGC_27con	HGC_27004	OK	7.29491	7.68327	0.0748298	0.8102
PIGN	HGC_27con	HGC_27004	OK	7.82652	8.24336	0.0748605	0.7952
UAP1	HGC_27con	HGC_27004	OK	16.7851	17.6803	0.0749646	0.7956
CCDC152	HGC_27con	HGC_27004	NOTEST	0.01616	0.01702	0.074996	1
PHF20L1	HGC_27con	HGC_27004	OK	5.50608	5.79996	0.0750174	0.8077
KIAA0368	HGC_27con	HGC_27004	OK	41.067	43.2597	0.0750463	0.7718
GS1-24F4.2	HGC_27con	HGC_27004	OK	0.35627	0.3753	0.0750463	0.9561
VRK3	HGC_27con	HGC_27004	OK	6.13085	6.45824	0.0750534	0.841
ZFY	HGC_27con	HGC_27004	NOTEST	0.01415	0.01491	0.0750615	1
CD37	HGC_27con	HGC_27004	OK	1.81301	1.90985	0.0750752	0.9683
PCGF2	HGC_27con	HGC_27004	OK	24.61	25.9246	0.075078	0.8152
NBAS	HGC_27con	HGC_27004	OK	11.0578	11.6487	0.0751066	0.7762
CYP1B1	HGC_27con	HGC_27004	OK	22.5733	23.7806	0.0751691	0.7815
TRERF1	HGC_27con	HGC_27004	OK	5.75794	6.06626	0.075253	0.7918
HAUS8	HGC_27con	HGC_27004	OK	11.6922	12.3183	0.0752545	0.8074
P4HA2	HGC_27con	HGC_27004	OK	34.2211	36.0566	0.0753755	0.7909
STOML2	HGC_27con	HGC_27004	OK	91.575	96.4943	0.0754902	0.7746
LEF1	HGC_27con	HGC_27004	OK	14.1268	14.886	0.0755184	0.7991
CEP192	HGC_27con	HGC_27004	OK	3.62789	3.82288	0.0755298	0.7979
LAPTM4A	HGC_27con	HGC_27004	OK	88.511	93.271	0.0755721	0.7777
CDC26	HGC_27con	HGC_27004	OK	22.7341	23.9608	0.0758166	0.8122
MTRF1	HGC_27con	HGC_27004	OK	4.21397	4.44142	0.0758434	0.8775
ATP5J2	HGC_27con	HGC_27004	OK	195.08	205.616	0.0758817	0.8735
EFS	HGC_27con	HGC_27004	OK	15.0321	15.8453	0.0760098	0.7935
C11orf30	HGC_27con	HGC_27004	OK	4.1651	4.39047	0.0760272	0.8044
ARHGAP32	HGC_27con	HGC_27004	OK	2.04345	2.15404	0.0760389	0.8124
ZFX	HGC_27con	HGC_27004	OK	2.98732	3.14902	0.0760537	0.8055
TTC25	HGC_27con	HGC_27004	OK	0.74681	0.78726	0.0761006	0.8957
XPO7	HGC_27con	HGC_27004	OK	23.1174	24.3704	0.0761485	0.7781
RP9P	HGC_27con	HGC_27004	OK	4.34645	4.5821	0.076171	0.8622
HS1BP3	HGC_27con	HGC_27004	OK	13.7591	14.5055	0.07621	0.8032
RAD17	HGC_27con	HGC_27004	OK	12.5387	13.2189	0.0762141	0.8837
SLC39A9	HGC_27con	HGC_27004	OK	23.3789	24.6478	0.0762524	0.7717
SARNP	HGC_27con	HGC_27004	OK	60.7354	64.0376	0.0763823	0.8454

CACUL1	HGC_27con	HGC_27004	OK	6.01032	6.33737	0.0764408	0.7944
ALG5	HGC_27con	HGC_27004	OK	26.9413	28.4075	0.0764477	0.8003
RRP7BP	HGC_27con	HGC_27004	OK	3.20455	3.379	0.0764741	0.8586
PILRB	HGC_27con	HGC_27004	OK	7.17859	7.56964	0.0765256	0.9113
CEP85	HGC_27con	HGC_27004	OK	7.94033	8.37314	0.0765696	0.794
RMDN3	HGC_27con	HGC_27004	OK	15.4678	16.3115	0.0766159	0.789
RPRD1B	HGC_27con	HGC_27004	OK	9.25218	9.75689	0.0766288	0.8022
PDCD10	HGC_27con	HGC_27004	OK	17.6782	18.6427	0.0766381	0.8129
USP10	HGC_27con	HGC_27004	OK	29.0661	30.6525	0.0766659	0.7766
NFX1	HGC_27con	HGC_27004	OK	13.4424	14.1765	0.0767125	0.7775
BOP1	HGC_27con	HGC_27004	OK	30.0544	31.697	0.0767719	0.7793
CXCL11	HGC_27con	HGC_27004	NOTEST	0.02188	0.02308	0.076903	1
HERC2	HGC_27con	HGC_27004	OK	8.40183	8.86194	0.0769181	0.7688
PEX12	HGC_27con	HGC_27004	OK	4.85588	5.1221	0.0770008	0.8336
PPP1R7	HGC_27con	HGC_27004	OK	35.0533	36.9785	0.0771383	0.8166
USP31	HGC_27con	HGC_27004	OK	2.61366	2.75737	0.0772196	0.8115
BTBD7	HGC_27con	HGC_27004	OK	11.8138	12.4638	0.0772657	0.7824
FAM162A	HGC_27con	HGC_27004	OK	19.2893	20.3515	0.0773325	0.8194
YIPF6	HGC_27con	HGC_27004	OK	12.4304	13.1153	0.0773722	0.7779
SPATA2L	HGC_27con	HGC_27004	OK	4.19285	4.4239	0.0773895	0.8986
MSS51	HGC_27con	HGC_27004	OK	0.43848	0.4627	0.0775577	0.9141
ZFP37	HGC_27con	HGC_27004	OK	3.40966	3.59802	0.0775753	0.8295
BAZ1B	HGC_27con	HGC_27004	OK	31.7945	33.5519	0.0776162	0.7628
GRSF1	HGC_27con	HGC_27004	OK	18.9627	20.011	0.0776292	0.7631
GTF2H3	HGC_27con	HGC_27004	OK	14.293	15.0832	0.0776354	0.829
LINC01602	HGC_27con	HGC_27004	NOTEST	0.03345	0.0353	0.0776937	1
MCCC2	HGC_27con	HGC_27004	OK	36.7513	38.7864	0.0777558	0.7707
METTL17	HGC_27con	HGC_27004	OK	22.8207	24.0849	0.0777863	0.7994
PKIA-AS1	HGC_27con	HGC_27004	NOTEST	0.12904	0.13619	0.0777897	1
ASB8	HGC_27con	HGC_27004	OK	14.1037	14.8852	0.0778045	0.7875
ZNF557	HGC_27con	HGC_27004	OK	2.45048	2.58636	0.0778604	0.816
ACTR8	HGC_27con	HGC_27004	OK	5.95167	6.28173	0.0778678	0.8004
ACTR6	HGC_27con	HGC_27004	OK	7.54055	7.95921	0.0779556	0.8183
MMAB	HGC_27con	HGC_27004	OK	5.50875	5.81464	0.0779646	0.8042
USP4	HGC_27con	HGC_27004	OK	4.45455	4.70224	0.0780679	0.8109
LOC440173	HGC_27con	HGC_27004	OK	5.87706	6.20459	0.0782412	0.8446
CCDC116	HGC_27con	HGC_27004	NOTEST	0.1399	0.1477	0.0782882	1
ATXN7	HGC_27con	HGC_27004	OK	2.62776	2.77431	0.0782946	0.8187
DGKE	HGC_27con	HGC_27004	OK	2.64368	2.79128	0.0783822	0.8138
NCAPD2	HGC_27con	HGC_27004	OK	44.4428	46.9243	0.0783861	0.7556
TOR1AIP2	HGC_27con	HGC_27004	OK	8.44346	8.91513	0.078423	0.7725
C19orf12	HGC_27con	HGC_27004	OK	8.22706	8.68668	0.0784277	0.7892
BTG1	HGC_27con	HGC_27004	OK	8.54653	9.02456	0.0785179	0.7873
ZNF782	HGC_27con	HGC_27004	OK	1.52059	1.60568	0.0785583	0.8588
HOXD10	HGC_27con	HGC_27004	OK	12.822	13.5396	0.078569	0.8084
SMARCAL1	HGC_27con	HGC_27004	OK	10.438	11.0225	0.0786162	0.7879
COPS7B	HGC_27con	HGC_27004	OK	18.678	19.7243	0.0786318	0.7775
AQR	HGC_27con	HGC_27004	OK	11.4916	12.1359	0.0787015	0.7773
STRA6	HGC_27con	HGC_27004	OK	23.9629	25.307	0.0787312	0.7784
RNF103	HGC_27con	HGC_27004	OK	13.9552	14.7383	0.0787721	0.9232
RPL5	HGC_27con	HGC_27004	OK	1645.05	1737.37	0.0787766	0.7687
NFYA	HGC_27con	HGC_27004	OK	9.15899	9.67314	0.0787951	0.7764
RALY	HGC_27con	HGC_27004	OK	24.393	25.7625	0.0788035	0.7693
SLC7A6OS	HGC_27con	HGC_27004	OK	9.91803	10.4761	0.0789751	0.8934

SGK494	HGC_27con	HGC_27004	OK	1.05933	1.11902	0.0790803	0.9642
POLG	HGC_27con	HGC_27004	OK	16.3773	17.3002	0.0790881	0.8392
MRPS23	HGC_27con	HGC_27004	OK	26.1888	27.6653	0.0791291	0.7874
BNIP1	HGC_27con	HGC_27004	OK	12.6193	13.3315	0.079206	0.8133
PHF19	HGC_27con	HGC_27004	OK	14.6674	15.4953	0.079216	0.8426
HMG4	HGC_27con	HGC_27004	OK	50.1616	52.9972	0.0793349	0.7736
ZC3HC1	HGC_27con	HGC_27004	OK	18.8103	19.8756	0.0794764	0.7889
DRAP1	HGC_27con	HGC_27004	OK	30.6771	32.4151	0.079506	0.7878
CDC16	HGC_27con	HGC_27004	OK	20.4007	21.5576	0.079575	0.7818
LDOC1L	HGC_27con	HGC_27004	OK	12.347	13.0478	0.0796449	0.776
UBE2Z	HGC_27con	HGC_27004	OK	31.7379	33.5409	0.0797179	0.7679
DAZAP1	HGC_27con	HGC_27004	OK	69.9207	73.8931	0.0797184	0.7599
N4BP2L2	HGC_27con	HGC_27004	OK	18.4447	19.4933	0.0797755	0.778
SEPN1	HGC_27con	HGC_27004	OK	17.134	18.1089	0.0798363	0.768
COPB1	HGC_27con	HGC_27004	OK	63.1884	66.7848	0.0798585	0.7531
ADAM19	HGC_27con	HGC_27004	NOTEST	0.04306	0.04551	0.0798613	1
GPX8	HGC_27con	HGC_27004	OK	17.8025	18.8164	0.0799106	0.7729
COG6	HGC_27con	HGC_27004	OK	9.0205	9.5343	0.0799185	0.7833
ZBED5-AS1	HGC_27con	HGC_27004	OK	1.51341	1.59961	0.0799205	0.9099
PRRG1	HGC_27con	HGC_27004	OK	2.11969	2.24098	0.0802787	0.846
KIAA0020	HGC_27con	HGC_27004	OK	21.8142	23.0628	0.0802964	0.7743
SPDYE5	HGC_27con	HGC_27004	OK	0.54523	0.57649	0.0804254	0.897
TACO1	HGC_27con	HGC_27004	OK	15.3938	16.2766	0.0804511	0.8002
WDR47	HGC_27con	HGC_27004	OK	4.45581	4.71136	0.080457	0.8054
LOC101927934	HGC_27con	HGC_27004	NOTEST	0.29852	0.31564	0.0804633	1
BUD31	HGC_27con	HGC_27004	OK	28.0343	29.6436	0.0805255	0.8913
DENND5A	HGC_27con	HGC_27004	OK	17.978	19.0106	0.0805719	0.7605
SIPA1L2	HGC_27con	HGC_27004	OK	11.0618	11.6976	0.0806236	0.766
SNAP47	HGC_27con	HGC_27004	OK	16.5847	17.539	0.0807158	0.8164
PAPOLA	HGC_27con	HGC_27004	OK	50.5473	53.4559	0.0807164	0.7506
CHERP	HGC_27con	HGC_27004	OK	27.1507	28.7136	0.0807467	0.7703
RANBP6	HGC_27con	HGC_27004	OK	13.4951	14.2722	0.0807753	0.7663
B3GNT2	HGC_27con	HGC_27004	OK	5.07111	5.36323	0.0808014	0.8202
RNF8	HGC_27con	HGC_27004	OK	2.93946	3.10884	0.080825	0.8119
SAMD14	HGC_27con	HGC_27004	OK	4.59293	4.85762	0.0808365	0.8646
BTF3	HGC_27con	HGC_27004	OK	533.448	564.196	0.0808472	0.7486
DBIL5P	HGC_27con	HGC_27004	NOTEST	0.20773	0.21971	0.0809055	1
CMPK2	HGC_27con	HGC_27004	OK	1.38545	1.46556	0.0810929	0.8777
LOC101928622	HGC_27con	HGC_27004	NOTEST	0.01369	0.01448	0.0811398	1
C11orf54	HGC_27con	HGC_27004	OK	10.2542	10.848	0.0812168	0.7941
GPR75	HGC_27con	HGC_27004	OK	0.96418	1.02003	0.0812424	0.0634
NRD1	HGC_27con	HGC_27004	OK	43.6202	46.1483	0.0812806	0.7839
NUP88	HGC_27con	HGC_27004	OK	15.0357	15.9073	0.0813	0.9063
IMP4	HGC_27con	HGC_27004	OK	58.1592	61.531	0.0813056	0.7789
SLC35A5	HGC_27con	HGC_27004	OK	15.6968	16.6076	0.0813661	0.7786
LOC442028	HGC_27con	HGC_27004	NOTEST	0.18314	0.19377	0.0814082	1
HCG18	HGC_27con	HGC_27004	OK	10.1046	10.6915	0.0814527	0.8157
DIABLO	HGC_27con	HGC_27004	OK	15.9763	16.9057	0.0815783	0.7928
C20orf27	HGC_27con	HGC_27004	OK	55.9761	59.2368	0.0816836	0.7701
NOP56	HGC_27con	HGC_27004	OK	87.6867	92.7963	0.081709	0.7539
LRWD1	HGC_27con	HGC_27004	OK	9.11421	9.64551	0.081741	0.8412
MED14	HGC_27con	HGC_27004	OK	7.89448	8.35549	0.0818793	0.7745
PPAN	HGC_27con	HGC_27004	OK	40.7195	43.0975	0.081884	0.8932
LOC440434	HGC_27con	HGC_27004	OK	4.35768	4.6122	0.0818954	0.8617

PIP5KL1	HGC_27con	HGC_27004	OK	12.5341	13.2667	0.0819523	0.8196
GNAZ	HGC_27con	HGC_27004	OK	2.95718	3.13011	0.0819901	0.8414
YIPF5	HGC_27con	HGC_27004	OK	16.4881	17.4524	0.0820054	0.7697
NCAPH2	HGC_27con	HGC_27004	OK	22.3816	23.6923	0.0821041	0.8114
PVR	HGC_27con	HGC_27004	OK	8.52211	9.02131	0.0821254	0.825
BBX	HGC_27con	HGC_27004	OK	8.4225	8.91765	0.0824146	0.76
TUBA1C	HGC_27con	HGC_27004	OK	132.452	140.239	0.0824229	0.7534
USP39	HGC_27con	HGC_27004	OK	54.4223	57.6271	0.0825494	0.7984
EFR3A	HGC_27con	HGC_27004	OK	5.46707	5.78909	0.0825693	0.7931
ZNF622	HGC_27con	HGC_27004	OK	17.391	18.4156	0.082593	0.7798
HMG2	HGC_27con	HGC_27004	OK	147.12	155.798	0.0826831	0.7425
PPIL1	HGC_27con	HGC_27004	OK	39.3122	41.6333	0.0827609	0.8308
SUMO2	HGC_27con	HGC_27004	OK	200.23	212.067	0.0828606	0.7446
HIVEP1	HGC_27con	HGC_27004	OK	1.48368	1.57139	0.0828658	0.814
ERP44	HGC_27con	HGC_27004	OK	13.6601	14.4688	0.0829775	0.7618
RNF130	HGC_27con	HGC_27004	OK	40.5293	42.9298	0.0830131	0.7666
FBXO17	HGC_27con	HGC_27004	OK	11.6617	12.3524	0.0830158	0.7907
KIAA0319L	HGC_27con	HGC_27004	OK	9.36513	9.9209	0.0831712	0.77
BTBD3	HGC_27con	HGC_27004	OK	8.48873	8.99407	0.0834256	0.7829
QDPR	HGC_27con	HGC_27004	OK	16.8988	17.9052	0.0834505	0.7929
IDH3B	HGC_27con	HGC_27004	OK	55.1425	58.4331	0.0836212	0.7554
LAMP2	HGC_27con	HGC_27004	OK	43.3102	45.8964	0.083674	0.7561
ANKRA2	HGC_27con	HGC_27004	OK	4.51921	4.78916	0.0837021	0.8365
NEDD8	HGC_27con	HGC_27004	OK	91.3213	96.7768	0.0837096	0.778
PLK2	HGC_27con	HGC_27004	OK	49.3861	52.3373	0.0837348	0.7444
TARS2	HGC_27con	HGC_27004	OK	14.0644	14.905	0.0837516	0.767
LINC01012	HGC_27con	HGC_27004	OK	0.69004	0.73129	0.0837641	0.9246
CNDP2	HGC_27con	HGC_27004	OK	12.9517	13.726	0.0837658	0.7615
SRSF11	HGC_27con	HGC_27004	OK	39.6544	42.026	0.0837996	0.7469
UBL3	HGC_27con	HGC_27004	OK	6.05453	6.41687	0.0838543	0.7955
PPP6R2	HGC_27con	HGC_27004	OK	13.4142	14.2175	0.0838997	0.8624
FOXO6	HGC_27con	HGC_27004	OK	18.9321	20.0666	0.0839635	0.7889
UBE2A	HGC_27con	HGC_27004	OK	39.724	42.1062	0.0840208	0.7574
TM2D2	HGC_27con	HGC_27004	OK	8.06344	8.54742	0.0840924	0.7841
PTPN9	HGC_27con	HGC_27004	OK	16.1909	17.1638	0.0841834	0.7616
SS18	HGC_27con	HGC_27004	OK	26.4872	28.0801	0.0842502	0.7471
MOK	HGC_27con	HGC_27004	OK	34.9533	37.0554	0.0842559	0.777
MGST3	HGC_27con	HGC_27004	OK	16.8377	17.8506	0.0842754	0.7973
RAD1	HGC_27con	HGC_27004	OK	9.24619	9.80299	0.0843637	0.7653
KCNC4	HGC_27con	HGC_27004	OK	3.33445	3.53525	0.0843647	0.8259
CCDC174	HGC_27con	HGC_27004	OK	4.55444	4.82875	0.084374	0.7976
THBS2	HGC_27con	HGC_27004	NOTEST	0.11	0.11663	0.0843791	1
CNOT2	HGC_27con	HGC_27004	OK	10.259	10.8773	0.0844306	0.7781
EFNA3	HGC_27con	HGC_27004	OK	8.89179	9.42891	0.0846172	0.8134
FNBP4	HGC_27con	HGC_27004	OK	11.2937	11.9765	0.0846821	0.7642
RAD51B	HGC_27con	HGC_27004	OK	5.64337	5.98464	0.0847082	0.8202
FAM72C	HGC_27con	HGC_27004	OK	1.53175	1.62439	0.0847149	0.8703
CEP72	HGC_27con	HGC_27004	OK	4.2211	4.47659	0.0847801	0.8284
CPSF1	HGC_27con	HGC_27004	OK	21.1173	22.3962	0.084831	0.7609
ANKRD20A8P	HGC_27con	HGC_27004	NOTEST	0.02283	0.02421	0.0849239	1
RPS14P3	HGC_27con	HGC_27004	OK	1.90509	2.02066	0.0849686	0.9666
C6orf201	HGC_27con	HGC_27004	OK	0.50121	0.53162	0.0849821	0.9571
PCK2	HGC_27con	HGC_27004	OK	145.303	154.125	0.0850389	0.7424
VPS8	HGC_27con	HGC_27004	OK	6.10789	6.47883	0.0850581	0.7633

PPP2R5A	HGC_27con	HGC_27004	OK	17.2508	18.2986	0.0850714	0.7641
MAST1	HGC_27con	HGC_27004	OK	2.51585	2.66872	0.0851035	0.8295
SNIP1	HGC_27con	HGC_27004	OK	4.87235	5.16887	0.0852316	0.7916
DYNLRB1	HGC_27con	HGC_27004	OK	84.092	89.2124	0.0852754	0.7664
CRLF1	HGC_27con	HGC_27004	OK	20.4694	21.716	0.0852906	0.7857
CCDC109B	HGC_27con	HGC_27004	OK	9.37655	9.94787	0.0853304	0.8248
C1orf123	HGC_27con	HGC_27004	OK	23.3384	24.7612	0.0853796	0.8566
ZIC5	HGC_27con	HGC_27004	OK	2.93046	3.10926	0.0854476	0.8244
TAS2R10	HGC_27con	HGC_27004	NOTEST	0.29228	0.31012	0.0854513	1
INPP5F	HGC_27con	HGC_27004	OK	2.87588	3.05142	0.0854744	0.8535
LINC01393	HGC_27con	HGC_27004	NOTEST	0.03565	0.03783	0.0855711	1
JMJD4	HGC_27con	HGC_27004	OK	8.95247	9.50022	0.0856744	0.8612
SPIN3	HGC_27con	HGC_27004	OK	3.61948	3.84095	0.0856799	0.8333
ZKSCAN8	HGC_27con	HGC_27004	OK	7.15767	7.59565	0.0856823	0.7658
RNF126	HGC_27con	HGC_27004	OK	38.1135	40.4469	0.0857269	0.7701
URM1	HGC_27con	HGC_27004	OK	15.3226	16.2611	0.0857639	0.9362
TSL	HGC_27con	HGC_27004	NOTEST	0.07092	0.07526	0.0857676	1
SDHB	HGC_27con	HGC_27004	OK	60.1955	63.8875	0.0858786	0.7575
GEMIN7	HGC_27con	HGC_27004	OK	8.91602	9.46303	0.0859029	0.8079
DIEXF	HGC_27con	HGC_27004	OK	3.43245	3.64321	0.0859709	0.7812
DDI2	HGC_27con	HGC_27004	OK	1.62479	1.72459	0.085995	0.8788
GUF1	HGC_27con	HGC_27004	OK	12.6727	13.4516	0.0860433	0.7591
RTKN2	HGC_27con	HGC_27004	OK	5.9481	6.31381	0.0860841	0.8147
MEIS1-AS3	HGC_27con	HGC_27004	NOTEST	0.11036	0.11715	0.0861175	1
PCGEM1	HGC_27con	HGC_27004	NOTEST	0.02378	0.02524	0.0861752	1
TOP2A	HGC_27con	HGC_27004	OK	71.2065	75.5906	0.0861988	0.7378
PGK1	HGC_27con	HGC_27004	OK	103.287	109.649	0.0862372	0.731
RAPGEF1	HGC_27con	HGC_27004	OK	8.05521	8.5517	0.0862886	0.7605
ASTE1	HGC_27con	HGC_27004	OK	2.49991	2.65421	0.086407	0.9228
CRAT	HGC_27con	HGC_27004	OK	10.4341	11.0793	0.0865545	0.7792
DPH6	HGC_27con	HGC_27004	OK	3.92709	4.17002	0.0865954	0.8375
TMX3	HGC_27con	HGC_27004	OK	16.0976	17.0935	0.0866026	0.7512
GINS3	HGC_27con	HGC_27004	OK	9.41959	10.0034	0.0867579	0.789
PINX1	HGC_27con	HGC_27004	OK	6.80879	7.23104	0.0868045	0.8003
THBS4	HGC_27con	HGC_27004	OK	0.75467	0.80148	0.086833	0.8743
CHIC2	HGC_27con	HGC_27004	OK	7.19303	7.64002	0.0869767	0.8434
CNOT1	HGC_27con	HGC_27004	OK	37.8669	40.222	0.0870479	0.7366
TRIM44	HGC_27con	HGC_27004	OK	12.5068	13.285	0.087082	0.751
SPTBN4	HGC_27con	HGC_27004	OK	0.61327	0.65145	0.0871172	0.8936
MDC1	HGC_27con	HGC_27004	OK	7.97796	8.47472	0.0871447	0.7481
CAPN10-AS1	HGC_27con	HGC_27004	OK	0.92325	0.98082	0.0872762	0.8722
PCDH7	HGC_27con	HGC_27004	OK	2.22242	2.36131	0.0874552	0.8146
TMEM209	HGC_27con	HGC_27004	OK	31.542	33.5148	0.0875243	0.7415
LINC00923	HGC_27con	HGC_27004	OK	0.83198	0.88403	0.0875374	0.9048
PSME2	HGC_27con	HGC_27004	OK	71.265	75.7236	0.0875502	0.7486
RNF121	HGC_27con	HGC_27004	OK	7.29138	7.74756	0.0875502	0.7907
AKAP10	HGC_27con	HGC_27004	OK	8.3143	8.83458	0.0875656	0.7685
PDE8B	HGC_27con	HGC_27004	OK	2.67971	2.84741	0.0875749	0.8211
IKBIP	HGC_27con	HGC_27004	OK	8.22088	8.73561	0.087614	0.8024
SLC22A23	HGC_27con	HGC_27004	OK	2.57173	2.73314	0.0878205	0.8274
PSMB6	HGC_27con	HGC_27004	OK	87.7373	93.2444	0.0878273	0.751
LOC101927023	HGC_27con	HGC_27004	OK	1.8801	1.99832	0.0879794	0.9458
NDUFA7	HGC_27con	HGC_27004	OK	7.75771	8.24554	0.0879814	0.7935
LINC00597	HGC_27con	HGC_27004	NOTEST	0.01979	0.02104	0.088012	1

KDM1A	HGC_27con	HGC_27004	OK	34.8709	37.0654	0.0880518	0.7397
URB2	HGC_27con	HGC_27004	OK	4.98823	5.30229	0.0880901	0.776
TBC1D31	HGC_27con	HGC_27004	OK	29.673	31.5421	0.0881258	0.7388
NYNRIN	HGC_27con	HGC_27004	OK	5.68933	6.04774	0.0881395	0.7571
RAB11FIP3	HGC_27con	HGC_27004	OK	6.80756	7.23647	0.0881496	0.7717
PMS2	HGC_27con	HGC_27004	OK	19.4376	20.6634	0.0882318	0.7364
COA1	HGC_27con	HGC_27004	OK	68.0527	72.3451	0.0882424	0.762
SUPT20H	HGC_27con	HGC_27004	OK	15.4313	16.4052	0.0882972	0.8419
FAS	HGC_27con	HGC_27004	OK	5.27123	5.60427	0.088388	0.8545
YTHDF2	HGC_27con	HGC_27004	OK	28.626	30.435	0.0884033	0.7374
METTL21B	HGC_27con	HGC_27004	OK	4.15917	4.42236	0.0885194	0.8214
RPRD2	HGC_27con	HGC_27004	OK	11.9995	12.759	0.0885364	0.7401
ZNF37BP	HGC_27con	HGC_27004	OK	1.91337	2.03448	0.088544	0.78
MGC27345	HGC_27con	HGC_27004	OK	2.29359	2.43895	0.0886495	0.7844
SNX7	HGC_27con	HGC_27004	OK	28.4302	30.2342	0.0887591	0.7437
LINC00847	HGC_27con	HGC_27004	OK	1.73624	1.84642	0.0887605	0.8917
GNRHR	HGC_27con	HGC_27004	NOTEST	0.02464	0.0262	0.0888034	1
PSMB3	HGC_27con	HGC_27004	OK	129.833	138.11	0.0891573	0.7423
PTAR1	HGC_27con	HGC_27004	OK	10.0901	10.7334	0.0891635	0.7396
VCAN	HGC_27con	HGC_27004	NOTEST	0.01469	0.01562	0.0892377	1
ARL2BP	HGC_27con	HGC_27004	OK	33.7871	35.943	0.0892405	0.7566
MYDGF	HGC_27con	HGC_27004	OK	162.235	172.59	0.0892684	0.7371
CBWD1	HGC_27con	HGC_27004	OK	6.02035	6.40498	0.0893472	0.8021
CBX6	HGC_27con	HGC_27004	OK	32.0233	34.0709	0.0894175	0.7276
H2AFY	HGC_27con	HGC_27004	OK	45.157	48.0448	0.0894317	0.8057
SHISA3	HGC_27con	HGC_27004	OK	2.14811	2.28549	0.0894329	0.8774
NRM	HGC_27con	HGC_27004	OK	29.5176	31.4066	0.0894915	0.7672
POMGNT1	HGC_27con	HGC_27004	OK	13.1746	14.0179	0.0895161	0.762
SEC62	HGC_27con	HGC_27004	OK	11.0833	11.7938	0.089638	0.7398
ARIH2	HGC_27con	HGC_27004	OK	11.4971	12.2342	0.0896511	0.7488
FDX1L	HGC_27con	HGC_27004	OK	26.1777	27.8561	0.0896532	0.7783
TRMT13	HGC_27con	HGC_27004	OK	7.28592	7.75322	0.0896841	0.7774
TPRN	HGC_27con	HGC_27004	OK	13.1717	14.0178	0.089813	0.7713
TBL2	HGC_27con	HGC_27004	OK	22.8775	24.3477	0.0898582	0.7498
NT5M	HGC_27con	HGC_27004	OK	7.22304	7.68794	0.0899905	0.8283
ZMYND8	HGC_27con	HGC_27004	OK	9.58584	10.2033	0.0900585	0.7427
METTL5	HGC_27con	HGC_27004	OK	46.2081	49.1846	0.0900604	0.8616
SNHG6	HGC_27con	HGC_27004	OK	324.329	345.221	0.0900618	0.7304
KPNA2	HGC_27con	HGC_27004	OK	123.35	131.299	0.0901016	0.7289
TRNAU1AP	HGC_27con	HGC_27004	OK	5.32507	5.66826	0.0901056	0.844
HP1BP3	HGC_27con	HGC_27004	OK	29.5243	31.4271	0.0901099	0.7333
NELFE	HGC_27con	HGC_27004	OK	45.0068	47.9082	0.0901285	0.7936
FAM24B	HGC_27con	HGC_27004	OK	4.84302	5.15537	0.0901688	0.8921
MAP3K6	HGC_27con	HGC_27004	OK	6.40371	6.81686	0.0901976	0.7751
CPTP	HGC_27con	HGC_27004	OK	9.64031	10.2628	0.090272	0.7949
KMT2C	HGC_27con	HGC_27004	OK	7.04642	7.50228	0.0904376	0.7336
DAD1	HGC_27con	HGC_27004	OK	169.028	179.965	0.0904551	0.7418
NME5	HGC_27con	HGC_27004	NOTEST	0.02894	0.03082	0.0906032	1
SLC13A1	HGC_27con	HGC_27004	NOTEST	0.0094	0.01001	0.090773	1
NAGS	HGC_27con	HGC_27004	OK	0.86673	0.92303	0.0907848	0.8957
CRAMP1L	HGC_27con	HGC_27004	OK	4.19317	4.46562	0.09082	0.7664
MORC3	HGC_27con	HGC_27004	OK	4.84636	5.16134	0.0908447	0.7745
YTHDF1	HGC_27con	HGC_27004	OK	20.2091	21.5229	0.0908696	0.7447
LRRC8E	HGC_27con	HGC_27004	OK	0.60759	0.64709	0.090884	0.8816

KIAA1429	HGC_27con	HGC_27004	OK	11.7755	12.5412	0.0908916	0.7294
PDCD11	HGC_27con	HGC_27004	OK	9.27767	9.881	0.0908953	0.7447
ING3	HGC_27con	HGC_27004	OK	9.3683	9.97779	0.0909334	0.7923
ADAM17	HGC_27con	HGC_27004	OK	9.99893	10.6495	0.0909436	0.7572
NUP85	HGC_27con	HGC_27004	OK	21.7528	23.1692	0.0910065	0.7459
ZNF77	HGC_27con	HGC_27004	OK	3.31412	3.52999	0.0910384	0.8269
MARK2	HGC_27con	HGC_27004	OK	10.5463	11.2337	0.0911043	0.7499
GNPTAB	HGC_27con	HGC_27004	OK	6.20743	6.61216	0.0911239	0.7575
TOMM40L	HGC_27con	HGC_27004	OK	6.1402	6.54059	0.0911348	0.7838
ZXDB	HGC_27con	HGC_27004	OK	4.21854	4.49365	0.0911411	0.7833
SMARCC2	HGC_27con	HGC_27004	OK	23.3063	24.8279	0.0912407	0.7219
ARCN1	HGC_27con	HGC_27004	OK	59.5821	63.4723	0.0912462	0.7185
CEP83	HGC_27con	HGC_27004	OK	2.59662	2.76643	0.0913929	0.7993
TEX15	HGC_27con	HGC_27004	OK	7.26683	7.74216	0.0914101	0.7425
IQGAP1	HGC_27con	HGC_27004	OK	22.8871	24.3845	0.0914291	0.7288
TIMM44	HGC_27con	HGC_27004	OK	45.3168	48.2839	0.0914966	0.7334
FLII	HGC_27con	HGC_27004	OK	23.8659	25.4286	0.0915017	0.7612
AFF4	HGC_27con	HGC_27004	OK	11.036	11.7587	0.0915191	0.7314
SDCCAG3	HGC_27con	HGC_27004	OK	33.3295	35.5125	0.0915264	0.7926
YES1	HGC_27con	HGC_27004	OK	34.1506	36.3902	0.0916362	0.7212
PDCL3	HGC_27con	HGC_27004	OK	13.3535	14.2307	0.091791	0.7914
LRP6	HGC_27con	HGC_27004	OK	6.01118	6.40608	0.0917945	0.7396
SLC25A25	HGC_27con	HGC_27004	OK	6.83465	7.28372	0.0918093	0.774
KIAA0196	HGC_27con	HGC_27004	OK	121.877	129.886	0.0918242	0.7144
SLC30A9	HGC_27con	HGC_27004	OK	14.9292	15.9106	0.0918454	0.7457
ATXN2	HGC_27con	HGC_27004	OK	9.99557	10.6528	0.0918741	0.7438
ARHGEF39	HGC_27con	HGC_27004	OK	7.23727	7.71323	0.0918883	0.7811
CCT7	HGC_27con	HGC_27004	OK	221.888	236.484	0.0919089	0.7179
FAM212B	HGC_27con	HGC_27004	OK	2.13738	2.27801	0.0919316	0.8483
LIMD1	HGC_27con	HGC_27004	OK	3.06385	3.26552	0.0919686	0.8055
ALCAM	HGC_27con	HGC_27004	OK	22.0839	23.5383	0.0920108	0.7301
NDUFA5	HGC_27con	HGC_27004	OK	10.4414	11.1295	0.0920788	0.7421
ELOVL1	HGC_27con	HGC_27004	OK	86.1482	91.8281	0.0921152	0.7264
SLC12A6	HGC_27con	HGC_27004	OK	4.38753	4.6771	0.0922063	0.8363
IMPACT	HGC_27con	HGC_27004	OK	26.8548	28.6277	0.0922281	0.7301
DDX23	HGC_27con	HGC_27004	OK	19.9316	21.248	0.0922692	0.7352
DCUN1D1	HGC_27con	HGC_27004	OK	3.24152	3.45576	0.0923304	0.7676
RER1	HGC_27con	HGC_27004	OK	32.0704	34.1905	0.0923536	0.7639
BCCIP	HGC_27con	HGC_27004	OK	28.281	30.1511	0.0923791	0.7772
LINC00437	HGC_27con	HGC_27004	NOTEST	0.01752	0.01868	0.0924582	1
C9orf78	HGC_27con	HGC_27004	OK	15.365	16.382	0.0924642	0.7537
WDR89	HGC_27con	HGC_27004	OK	4.34415	4.63171	0.0924715	0.785
LINC01572	HGC_27con	HGC_27004	OK	0.48799	0.52031	0.0925279	0.8954
EEFSEC	HGC_27con	HGC_27004	OK	9.85677	10.5098	0.0925447	0.7789
DDX26B	HGC_27con	HGC_27004	OK	6.15902	6.56729	0.0925991	0.7643
IMPA2	HGC_27con	HGC_27004	OK	15.6308	16.6674	0.092637	0.7818
CIZ1	HGC_27con	HGC_27004	OK	32.3169	34.4605	0.0926572	0.7853
MARCH5	HGC_27con	HGC_27004	OK	12.2752	13.0896	0.0926827	0.7486
POC1B	HGC_27con	HGC_27004	OK	4.19956	4.47825	0.0926955	0.8202
CAND1	HGC_27con	HGC_27004	OK	20.0718	21.4043	0.0927321	0.7313
SEC22C	HGC_27con	HGC_27004	OK	15.3178	16.3347	0.0927329	0.8707
PPP6R3	HGC_27con	HGC_27004	OK	15.3399	16.3584	0.0927404	0.7299
OXSRI	HGC_27con	HGC_27004	OK	8.40588	8.96408	0.0927579	0.7524
MTF1	HGC_27con	HGC_27004	OK	2.51236	2.67924	0.0927819	0.7754

MAST2	HGC_27con	HGC_27004	OK	10.3923	11.084	0.0929683	0.7364
THOP1	HGC_27con	HGC_27004	OK	42.2205	45.0367	0.0931574	0.7243
TRIQK	HGC_27con	HGC_27004	OK	13.319	14.2076	0.0931742	0.7437
WDR74	HGC_27con	HGC_27004	OK	35.1928	37.5417	0.0932111	0.7371
RGS18	HGC_27con	HGC_27004	NOTEST	0.01396	0.0149	0.0932293	1
ATP8B5P	HGC_27con	HGC_27004	OK	0.34401	0.36698	0.0932792	0.8969
NUMBL	HGC_27con	HGC_27004	OK	11.3627	12.1217	0.0932933	0.7449
MAP2K7	HGC_27con	HGC_27004	OK	17.4496	18.6159	0.0933378	0.7262
PYCR1	HGC_27con	HGC_27004	OK	97.2723	103.774	0.0933432	0.7239
SPAG16	HGC_27con	HGC_27004	OK	16.3337	17.4256	0.0933634	0.7664
CENPQ	HGC_27con	HGC_27004	OK	4.89232	5.21972	0.0934539	0.8122
ASH2L	HGC_27con	HGC_27004	OK	17.9262	19.1266	0.0935049	0.733
ZCCHC8	HGC_27con	HGC_27004	OK	7.54001	8.04594	0.0936945	0.7514
LOC728613	HGC_27con	HGC_27004	OK	0.76594	0.81735	0.0937175	0.8838
SEC31A	HGC_27con	HGC_27004	OK	49.021	52.3113	0.0937214	0.7222
PSAT1	HGC_27con	HGC_27004	OK	469.605	501.132	0.0937416	0.714
TMEM62	HGC_27con	HGC_27004	OK	2.61004	2.78529	0.0937524	0.8339
THAP5	HGC_27con	HGC_27004	OK	10.9026	11.6346	0.0937541	0.8147
TMEM9B	HGC_27con	HGC_27004	OK	11.536	12.3111	0.0938154	0.7862
KATNB1	HGC_27con	HGC_27004	OK	9.94086	10.6092	0.0938775	0.7705
FAM151A	HGC_27con	HGC_27004	OK	0.41913	0.44733	0.0939381	0.9356
FAM64A	HGC_27con	HGC_27004	OK	12.8325	13.6961	0.0939565	0.7802
AP4E1	HGC_27con	HGC_27004	OK	2.78353	2.97093	0.0939998	0.7767
ZC3H15	HGC_27con	HGC_27004	OK	31.7529	33.8937	0.0941268	0.7212
STAG2	HGC_27con	HGC_27004	OK	36.8975	39.386	0.0941594	0.7156
C2orf66	HGC_27con	HGC_27004	NOTEST	0.22756	0.24291	0.0941888	1
SLC9B2	HGC_27con	HGC_27004	OK	7.48829	7.99356	0.0942024	0.7756
SHANK1	HGC_27con	HGC_27004	NOTEST	0.21168	0.22597	0.0942422	1
ARHGAP35	HGC_27con	HGC_27004	OK	9.00368	9.61284	0.0944489	0.7209
DGAT1	HGC_27con	HGC_27004	OK	3.93728	4.20385	0.0945128	0.8845
PSMC2	HGC_27con	HGC_27004	OK	28.338	30.2585	0.0946056	0.725
FAM134A	HGC_27con	HGC_27004	OK	11.3411	12.1098	0.0946164	0.7397
TMEM216	HGC_27con	HGC_27004	OK	10.5389	11.2534	0.0946496	0.803
ACTR10	HGC_27con	HGC_27004	OK	34.7726	37.1306	0.094657	0.7308
NAP1L1	HGC_27con	HGC_27004	OK	211.725	226.091	0.0947113	0.7185
SLCO3A1	HGC_27con	HGC_27004	OK	1.36725	1.46002	0.0947183	0.8573
YBEY	HGC_27con	HGC_27004	OK	22.0546	23.5519	0.094763	0.7833
ENY2	HGC_27con	HGC_27004	OK	11.0929	11.8462	0.0947871	0.7579
NCBP2	HGC_27con	HGC_27004	OK	46.3654	49.5184	0.0949151	0.7219
ZNF343	HGC_27con	HGC_27004	OK	2.94863	3.14932	0.094994	0.8071
INCENP	HGC_27con	HGC_27004	OK	10.2714	10.9707	0.0950191	0.7411
ARRB1	HGC_27con	HGC_27004	OK	4.07304	4.35051	0.0950802	0.7481
SLC2A3	HGC_27con	HGC_27004	OK	5.04821	5.39216	0.0950899	0.7841
BIRC2	HGC_27con	HGC_27004	OK	11.4491	12.2293	0.0950971	0.7478
ANKS1B	HGC_27con	HGC_27004	OK	0.95648	1.02167	0.0951208	0.9329
LRRC20	HGC_27con	HGC_27004	OK	9.67467	10.3342	0.095142	0.754
NUDT5	HGC_27con	HGC_27004	OK	78.9877	84.3724	0.0951439	0.8122
LOC100303749	HGC_27con	HGC_27004	NOTEST	0.04198	0.04485	0.0951532	1
COP55	HGC_27con	HGC_27004	OK	53.5172	57.1669	0.0951796	0.7315
STXBP4	HGC_27con	HGC_27004	OK	2.53135	2.70419	0.095287	0.7832
RPP25	HGC_27con	HGC_27004	OK	26.8149	28.6465	0.0953258	0.7386
SMAP2	HGC_27con	HGC_27004	OK	12.2546	13.0918	0.0953435	0.7501
ZNF609	HGC_27con	HGC_27004	OK	7.43827	7.94651	0.0953535	0.7216
CCT8	HGC_27con	HGC_27004	OK	172.19	183.959	0.0953771	0.702

PPAN-P2RY11	HGC_27con	HGC_27004	OK	2.91954	3.11924	0.0954544	0.8956
TMEM181	HGC_27con	HGC_27004	OK	10.1986	10.8965	0.0954896	0.7367
PP2D1	HGC_27con	HGC_27004	OK	0.53227	0.5687	0.0955112	0.9029
FKTN	HGC_27con	HGC_27004	OK	10.7338	11.4686	0.0955278	0.7266
PCDHGA1	HGC_27con	HGC_27004	OK	0.53588	0.57257	0.0955294	0.7088
C18orf8	HGC_27con	HGC_27004	OK	11.4781	12.2643	0.0955852	0.8435
MKI67	HGC_27con	HGC_27004	OK	9.71961	10.3855	0.0956018	0.7081
ING1	HGC_27con	HGC_27004	OK	7.12602	7.61427	0.0956092	0.7821
FRAS1	HGC_27con	HGC_27004	OK	4.71013	5.03309	0.0956763	0.7178
NME2	HGC_27con	HGC_27004	OK	803.524	858.623	0.0956835	0.7519
BLMH	HGC_27con	HGC_27004	OK	30.2939	32.3716	0.0957012	0.723
FAM27E3	HGC_27con	HGC_27004	OK	4.21525	4.50451	0.0957526	0.8295
RAD23A	HGC_27con	HGC_27004	OK	83.0756	88.7832	0.095862	0.7102
ZFP30	HGC_27con	HGC_27004	OK	0.98617	1.05393	0.0958746	0.84
REXO2	HGC_27con	HGC_27004	OK	58.6083	62.638	0.0959328	0.7247
STAMBP	HGC_27con	HGC_27004	OK	10.2277	10.931	0.0959529	0.7187
TMEM183B	HGC_27con	HGC_27004	OK	35.689	38.1435	0.0959582	0.7543
B3GNTL1	HGC_27con	HGC_27004	OK	4.25085	4.54322	0.095961	0.8435
TBPL1	HGC_27con	HGC_27004	OK	13.3133	14.2291	0.0959825	0.7823
NOD1	HGC_27con	HGC_27004	OK	4.99086	5.3343	0.0960095	0.7673
KLHDC2	HGC_27con	HGC_27004	OK	25.8243	27.6014	0.0960097	0.7413
KIFC1	HGC_27con	HGC_27004	OK	20.4365	21.8435	0.0960526	0.7293
PGAM5	HGC_27con	HGC_27004	OK	16.7281	17.8799	0.0960607	0.7476
FAM50A	HGC_27con	HGC_27004	OK	26.1164	27.9158	0.0961272	0.7345
OLA1	HGC_27con	HGC_27004	OK	24.9341	26.654	0.0962304	0.7176
IL10RB	HGC_27con	HGC_27004	OK	11.6736	12.4789	0.0962358	0.7587
EMC7	HGC_27con	HGC_27004	OK	40.5302	43.3266	0.0962534	0.738
SRGAP2B	HGC_27con	HGC_27004	OK	8.81284	9.42095	0.0962662	0.7371
COQ5	HGC_27con	HGC_27004	OK	15.0566	16.0958	0.0962888	0.7647
CAMK2D	HGC_27con	HGC_27004	OK	18.6047	19.889	0.0963035	0.7264
MBOAT1	HGC_27con	HGC_27004	OK	2.56103	2.73789	0.0963386	0.7982
CCDC88A	HGC_27con	HGC_27004	OK	13.3786	14.3026	0.0963486	0.7084
USP9X	HGC_27con	HGC_27004	OK	7.52347	8.04349	0.0964233	0.7132
GPBP1	HGC_27con	HGC_27004	OK	12.7915	13.6756	0.0964236	0.7292
CPSF7	HGC_27con	HGC_27004	OK	26.2662	28.0818	0.0964273	0.7126
MKRN2OS	HGC_27con	HGC_27004	NOTEST	0.24957	0.26683	0.0964521	1
PLK1	HGC_27con	HGC_27004	OK	48.8481	52.2272	0.096498	0.7204
GARS	HGC_27con	HGC_27004	OK	255.06	272.706	0.0965101	0.7038
MTMR1	HGC_27con	HGC_27004	OK	10.7262	11.4696	0.0966728	0.7392
IKZF5	HGC_27con	HGC_27004	OK	2.80368	2.99819	0.0967691	0.795
AZIN1-AS1	HGC_27con	HGC_27004	OK	0.48382	0.51739	0.0967845	0.9208
DSC1	HGC_27con	HGC_27004	OK	13.0419	13.9472	0.0968272	0.7666
AIMP1	HGC_27con	HGC_27004	OK	14.263	15.2537	0.0968872	0.7711
DDX6	HGC_27con	HGC_27004	OK	19.2202	20.5555	0.0969018	0.7119
KDSR	HGC_27con	HGC_27004	OK	7.78884	8.33014	0.0969326	0.7458
GDI2	HGC_27con	HGC_27004	OK	177.983	190.379	0.0971299	0.7031
MAP4K4	HGC_27con	HGC_27004	OK	17.2788	18.4821	0.0971305	0.7049
LOC440300	HGC_27con	HGC_27004	OK	1.85112	1.9801	0.0971732	0.816
KCTD13	HGC_27con	HGC_27004	OK	12.4633	13.332	0.0972157	0.7737
ZBTB8A	HGC_27con	HGC_27004	OK	3.03184	3.24322	0.0972357	0.7572
WSB1	HGC_27con	HGC_27004	OK	37.5269	40.1438	0.0972529	0.7127
SETD4	HGC_27con	HGC_27004	OK	9.1866	9.82729	0.0972623	0.794
VPS37C	HGC_27con	HGC_27004	OK	9.07966	9.71291	0.0972653	0.7662
FAM208A	HGC_27con	HGC_27004	OK	9.06467	9.69735	0.097336	0.7301

LYPLAL1	HGC_27con	HGC_27004	OK	12.3831	13.2476	0.0973589	0.7625
NUP133	HGC_27con	HGC_27004	OK	19.5533	20.9196	0.0974429	0.7244
FAIM	HGC_27con	HGC_27004	OK	6.37917	6.82543	0.0975515	0.8175
AASS	HGC_27con	HGC_27004	OK	5.4588	5.84096	0.0976213	0.7425
NMI	HGC_27con	HGC_27004	OK	4.40738	4.71595	0.0976271	0.8215
C12orf76	HGC_27con	HGC_27004	OK	1.43452	1.53503	0.0977058	0.8535
HOXC8	HGC_27con	HGC_27004	OK	0.45933	0.49153	0.0977243	0.8864
VPS54	HGC_27con	HGC_27004	OK	12.6077	13.4913	0.0977264	0.7258
PICALM	HGC_27con	HGC_27004	OK	18.5879	19.8937	0.0979454	0.7257
GGA3	HGC_27con	HGC_27004	OK	8.38704	8.97673	0.098028	0.8441
EN2	HGC_27con	HGC_27004	OK	13.4219	14.3659	0.0980568	0.7437
VWA8	HGC_27con	HGC_27004	OK	6.29844	6.7415	0.0980743	0.7382
CEP76	HGC_27con	HGC_27004	OK	3.70017	3.96067	0.0981516	0.8849
PAF1	HGC_27con	HGC_27004	OK	10.0999	10.8109	0.0981529	0.7493
NSD1	HGC_27con	HGC_27004	OK	7.29718	7.81096	0.0981614	0.7096
TBC1D15	HGC_27con	HGC_27004	OK	3.82967	4.09936	0.0981794	0.7519
C20orf24	HGC_27con	HGC_27004	OK	54.1445	57.9619	0.0982912	0.7843
CANT1	HGC_27con	HGC_27004	OK	12.4148	13.2906	0.0983515	0.7359
RFWD2	HGC_27con	HGC_27004	OK	15.9999	17.1289	0.0983652	0.7261
TMEM186	HGC_27con	HGC_27004	OK	6.93421	7.4235	0.0983688	0.7954
PRSS16	HGC_27con	HGC_27004	OK	4.84893	5.19117	0.0983921	0.805
CCNL1	HGC_27con	HGC_27004	OK	9.16334	9.81013	0.0983997	0.7514
NTMT1	HGC_27con	HGC_27004	OK	16.0308	17.1632	0.0984679	0.812
FGFR1OP	HGC_27con	HGC_27004	OK	2.90782	3.11322	0.0984684	0.7905
OXSM	HGC_27con	HGC_27004	OK	13.2753	14.2136	0.0985306	0.7772
SREK1IP1	HGC_27con	HGC_27004	OK	1.98796	2.1285	0.0985474	0.7863
NIPBL-AS1	HGC_27con	HGC_27004	OK	5.10058	5.46143	0.0986167	0.7645
CDH8	HGC_27con	HGC_27004	NOTEST	0.21005	0.22492	0.0986375	1
EIF3M	HGC_27con	HGC_27004	OK	107.473	115.082	0.0986879	0.7178
PRKRIP1	HGC_27con	HGC_27004	OK	4.67305	5.00402	0.0987239	0.8084
UFM1	HGC_27con	HGC_27004	OK	31.5575	33.7928	0.0987318	0.7144
TAF5L	HGC_27con	HGC_27004	OK	7.6128	8.15263	0.0988379	0.7459
MRTO4	HGC_27con	HGC_27004	OK	15.1474	16.222	0.0988774	0.7321
DDX47	HGC_27con	HGC_27004	OK	24.0212	25.7256	0.0988956	0.7283
DIMT1	HGC_27con	HGC_27004	OK	31.2612	33.4809	0.0989635	0.7275
ZNF207	HGC_27con	HGC_27004	OK	63.2867	67.7809	0.0989759	0.7101
LOC100129148	HGC_27con	HGC_27004	OK	32.2383	34.5301	0.0990781	0.9274
TPGS2	HGC_27con	HGC_27004	OK	28.3612	30.3782	0.0991186	0.7747
ATG101	HGC_27con	HGC_27004	OK	30.1737	32.3196	0.0991203	0.7346
ASAP1	HGC_27con	HGC_27004	OK	10.2438	10.9726	0.0991457	0.7191
ARSG	HGC_27con	HGC_27004	OK	5.63104	6.03191	0.0992119	0.9158
DNAJA1	HGC_27con	HGC_27004	OK	57.527	61.6245	0.0992644	0.7069
ZNF284	HGC_27con	HGC_27004	OK	0.64054	0.68616	0.099265	0.8686
C2orf48	HGC_27con	HGC_27004	OK	0.56748	0.60795	0.0993814	0.8812
SGCB	HGC_27con	HGC_27004	OK	13.1183	14.0547	0.099463	0.7255
MAPK3	HGC_27con	HGC_27004	OK	19.99	21.4173	0.0994983	0.7313
CTCF	HGC_27con	HGC_27004	OK	18.183	19.4814	0.0995091	0.7129
LOC102724890	HGC_27con	HGC_27004	NOTEST	0.14935	0.16002	0.0995579	1
KLHDC8B	HGC_27con	HGC_27004	OK	3.62049	3.8792	0.0995714	0.8213
GRM8	HGC_27con	HGC_27004	NOTEST	0.23099	0.2475	0.0996412	1
ACO2	HGC_27con	HGC_27004	OK	47.6647	51.0815	0.0998795	0.7647
VAT1	HGC_27con	HGC_27004	OK	101.37	108.64	0.0999231	0.6939
FAM193A	HGC_27con	HGC_27004	OK	7.25332	7.77377	0.0999723	0.7279
GDI1	HGC_27con	HGC_27004	OK	35.3582	37.8964	0.100019	0.718

NR3C2	HGC_27con	HGC_27004	NOTEST	0.03831	0.04106	0.100041	1
CCDC110	HGC_27con	HGC_27004	NOTEST	0.00811	0.00869	0.100105	1
CEP104	HGC_27con	HGC_27004	OK	4.12541	4.42236	0.10028	0.7525
KIF14	HGC_27con	HGC_27004	OK	6.42868	6.89146	0.100286	0.7162
DDX52	HGC_27con	HGC_27004	OK	8.64569	9.26814	0.100299	0.7158
MRPS35	HGC_27con	HGC_27004	OK	41.0034	43.9558	0.10031	0.7167
ARL5A	HGC_27con	HGC_27004	OK	10.2212	10.9574	0.100341	0.7379
IQCJ-SCHIP1	HGC_27con	HGC_27004	OK	1.44403	1.54808	0.100385	0.8687
NHLRC3	HGC_27con	HGC_27004	OK	5.59655	5.99989	0.100397	0.7581
LOC100507156	HGC_27con	HGC_27004	OK	0.37145	0.39823	0.100423	0.9573
GGA2	HGC_27con	HGC_27004	OK	16.0547	17.2123	0.100445	0.7076
TTLL6	HGC_27con	HGC_27004	OK	0.31989	0.34296	0.100482	0.887
CTPS2	HGC_27con	HGC_27004	OK	3.77319	4.04537	0.100488	0.7631
NUP98	HGC_27con	HGC_27004	OK	20.9401	22.452	0.100572	0.7129
HAT1	HGC_27con	HGC_27004	OK	34.7478	37.2588	0.100657	0.7149
TSPYL1	HGC_27con	HGC_27004	OK	11.0707	11.8709	0.100681	0.7196
NOMO1	HGC_27con	HGC_27004	OK	7.23124	7.75412	0.100721	0.7302
UBA6-AS1	HGC_27con	HGC_27004	OK	4.71292	5.05371	0.100721	0.7931
PRPSAP2	HGC_27con	HGC_27004	OK	23.9923	25.7278	0.100759	0.7265
SSBP1	HGC_27con	HGC_27004	OK	108.071	115.9	0.100898	0.7087
ZSCAN12	HGC_27con	HGC_27004	OK	2.13986	2.29509	0.101032	0.7906
PLCG1	HGC_27con	HGC_27004	OK	12.8063	13.7364	0.101157	0.8054
SAPCD1-AS1	HGC_27con	HGC_27004	OK	4.53967	4.86957	0.101207	0.9403
ATP5A1	HGC_27con	HGC_27004	OK	388.473	416.704	0.101208	0.6849
CHMP2B	HGC_27con	HGC_27004	OK	7.15844	7.67901	0.101274	0.7611
PTBP2	HGC_27con	HGC_27004	OK	5.55434	5.9586	0.101359	0.7687
TBRG4	HGC_27con	HGC_27004	OK	49.4707	53.0717	0.101368	0.7127
PIM3	HGC_27con	HGC_27004	OK	34.1228	36.6075	0.101404	0.7218
CILP2	HGC_27con	HGC_27004	OK	0.30745	0.32987	0.101526	0.891
MRPL19	HGC_27con	HGC_27004	OK	27.5424	29.5505	0.101531	0.6989
EXOSC5	HGC_27con	HGC_27004	OK	16.7889	18.0131	0.10154	0.7873
EBP	HGC_27con	HGC_27004	OK	29.157	31.2838	0.101574	0.7514
C9orf89	HGC_27con	HGC_27004	OK	19.3049	20.7144	0.101665	0.7845
GBA2	HGC_27con	HGC_27004	OK	10.183	10.9274	0.101786	0.897
CERK	HGC_27con	HGC_27004	OK	24.5842	26.3822	0.101834	0.7041
CCDC25	HGC_27con	HGC_27004	OK	13.4236	14.4056	0.101855	0.7225
NSA2	HGC_27con	HGC_27004	OK	68.8828	73.9266	0.101951	0.7935
PANK1	HGC_27con	HGC_27004	OK	4.49695	4.82627	0.101963	0.7329
GPI	HGC_27con	HGC_27004	OK	158.724	170.361	0.102072	0.6955
USP36	HGC_27con	HGC_27004	OK	7.25887	7.79145	0.102147	0.7221
PJA2	HGC_27con	HGC_27004	OK	23.2541	24.9608	0.102178	0.7038
ACHE	HGC_27con	HGC_27004	OK	1.21925	1.3088	0.102247	0.8607
CRNKL1	HGC_27con	HGC_27004	OK	6.98929	7.50265	0.102255	0.7265
DLG5	HGC_27con	HGC_27004	OK	9.998	10.7324	0.102267	0.7102
ZC3HAV1	HGC_27con	HGC_27004	OK	7.56547	8.12133	0.102286	0.7248
TRMT2B	HGC_27con	HGC_27004	OK	8.73616	9.3782	0.102313	0.732
RAD51D	HGC_27con	HGC_27004	OK	8.00217	8.59081	0.102402	0.8148
COG3	HGC_27con	HGC_27004	OK	9.38986	10.0807	0.102417	0.7218
WDR75	HGC_27con	HGC_27004	OK	28.3282	30.4125	0.102427	0.6952
NRBP1	HGC_27con	HGC_27004	OK	39.9599	42.9007	0.10245	0.7063
NOP14	HGC_27con	HGC_27004	OK	18.5073	19.87	0.102494	0.7021
RTN3	HGC_27con	HGC_27004	OK	141.814	152.256	0.102501	0.6916
TUBGCP4	HGC_27con	HGC_27004	OK	8.3792	8.99638	0.102532	0.8807
KIAA1549	HGC_27con	HGC_27004	OK	2.42513	2.60381	0.10256	0.7346

CLIC1	HGC_27con	HGC_27004	OK	143.865	154.466	0.102575	0.6902
MIR210HG	HGC_27con	HGC_27004	OK	0.88044	0.94533	0.102593	0.8685
USP2	HGC_27con	HGC_27004	OK	0.69001	0.74091	0.102662	0.8636
AIMP2	HGC_27con	HGC_27004	OK	151.23	162.397	0.102775	0.8362
MRFAP1L1	HGC_27con	HGC_27004	OK	19.8337	21.3003	0.102915	0.7218
RCC2	HGC_27con	HGC_27004	OK	59.9218	64.3578	0.103035	0.6793
C12orf56	HGC_27con	HGC_27004	OK	1.08534	1.16572	0.103079	0.8711
EPC1	HGC_27con	HGC_27004	OK	10.9696	11.7822	0.1031	0.7584
ZNF91	HGC_27con	HGC_27004	OK	1.34013	1.43957	0.103269	0.797
ANAPC11	HGC_27con	HGC_27004	OK	67.4782	72.4876	0.103312	0.8185
RLF	HGC_27con	HGC_27004	OK	4.8841	5.2471	0.103429	0.7232
RGPD8	HGC_27con	HGC_27004	NOTEST	0.0002	0.00021	0.103523	1
HESX1	HGC_27con	HGC_27004	OK	0.78629	0.84487	0.103666	0.8878
PAK1	HGC_27con	HGC_27004	OK	6.89856	7.41257	0.103678	0.7402
YKT6	HGC_27con	HGC_27004	OK	43.0966	46.3098	0.103742	0.6964
RPS18P9	HGC_27con	HGC_27004	OK	0.86286	0.92728	0.103872	0.8847
ZNF664	HGC_27con	HGC_27004	OK	30.0431	32.2878	0.103957	0.6932
ZNF827	HGC_27con	HGC_27004	OK	3.5546	3.82021	0.103965	0.7198
EDC3	HGC_27con	HGC_27004	OK	13.6816	14.7054	0.104102	0.7099
ZNF81	HGC_27con	HGC_27004	OK	0.53268	0.57256	0.104154	0.8294
HTATSF1	HGC_27con	HGC_27004	OK	22.5325	24.2207	0.10423	0.6936
SDHC	HGC_27con	HGC_27004	OK	35.9129	38.6055	0.104304	0.6996
ZXDC	HGC_27con	HGC_27004	OK	7.18656	7.72584	0.104389	0.7379
SEPSECS	HGC_27con	HGC_27004	OK	3.61757	3.8891	0.104415	0.7561
TMEM30A	HGC_27con	HGC_27004	OK	17.8453	19.1868	0.104567	0.7034
HACE1	HGC_27con	HGC_27004	OK	2.62171	2.81912	0.104732	0.7786
SEC24C	HGC_27con	HGC_27004	OK	29.6328	31.8642	0.104743	0.6876
TSPAN5	HGC_27con	HGC_27004	OK	5.29075	5.68922	0.104759	0.7642
KAT6A	HGC_27con	HGC_27004	OK	5.98344	6.43422	0.10479	0.7044
EIF2S2	HGC_27con	HGC_27004	OK	78.0231	83.9031	0.104822	0.6759
LOC100288637	HGC_27con	HGC_27004	OK	2.27945	2.45138	0.104908	0.7618
PKDREJ	HGC_27con	HGC_27004	NOTEST	0.20316	0.21849	0.104972	1
BMS1P4	HGC_27con	HGC_27004	OK	2.43509	2.61897	0.105021	0.8294
TRMT1L	HGC_27con	HGC_27004	OK	7.79658	8.38554	0.105062	0.739
UBE2F-SCLY	HGC_27con	HGC_27004	OK	1.19595	1.28637	0.105153	0.9395
PHF13	HGC_27con	HGC_27004	OK	13.2438	14.2456	0.105196	0.7154
CENPC	HGC_27con	HGC_27004	OK	3.49425	3.75857	0.1052	0.7558
FEM1A	HGC_27con	HGC_27004	OK	14.4936	15.59	0.105204	0.7156
NGFRAP1	HGC_27con	HGC_27004	OK	94.6748	101.838	0.105219	0.6864
ZBTB44	HGC_27con	HGC_27004	OK	3.86609	4.15875	0.105275	0.7191
CLASP1	HGC_27con	HGC_27004	OK	8.9173	9.59267	0.105326	0.696
MRPS36	HGC_27con	HGC_27004	OK	20.3274	21.8679	0.105391	0.7434
VMA21	HGC_27con	HGC_27004	OK	14.6259	15.7344	0.105401	0.7016
RBM15B	HGC_27con	HGC_27004	OK	9.95931	10.7147	0.105473	0.765
TMEM8A	HGC_27con	HGC_27004	OK	16.9454	18.2311	0.105509	0.7163
RAET1G	HGC_27con	HGC_27004	NOTEST	0.25283	0.27201	0.105514	1
BBS9	HGC_27con	HGC_27004	OK	6.36265	6.84566	0.105562	0.7363
TRA2A	HGC_27con	HGC_27004	OK	36.2155	38.9665	0.105627	0.7068
ZRANB1	HGC_27con	HGC_27004	OK	6.79561	7.31191	0.105646	0.7225
LATS1	HGC_27con	HGC_27004	OK	5.17065	5.5637	0.105699	0.7231
RPUSD2	HGC_27con	HGC_27004	OK	6.90952	7.43493	0.105733	0.7618
SESN3	HGC_27con	HGC_27004	OK	10.534	11.3352	0.105768	0.6853
SYNRG	HGC_27con	HGC_27004	OK	5.70429	6.13826	0.105782	0.706
EEF1D	HGC_27con	HGC_27004	OK	149.048	160.392	0.105827	0.6869

SOD1	HGC_27con	HGC_27004	OK	129.247	139.094	0.105934	0.6907
ABHD6	HGC_27con	HGC_27004	OK	5.09648	5.48493	0.105971	0.7748
FOXL2NB	HGC_27con	HGC_27004	NOTEST	0.0966	0.10396	0.10599	1
BEND3	HGC_27con	HGC_27004	OK	2.32965	2.50732	0.106032	0.7586
PLEKHA1	HGC_27con	HGC_27004	OK	7.40336	7.96813	0.106061	0.727
FAM78A	HGC_27con	HGC_27004	OK	1.05572	1.13638	0.10622	0.8435
DTYMK	HGC_27con	HGC_27004	OK	50.6435	54.5157	0.106296	0.7026
PPIL3	HGC_27con	HGC_27004	OK	24.9908	26.9031	0.10638	0.7275
MAP7D3	HGC_27con	HGC_27004	OK	7.74827	8.34123	0.106386	0.7008
CDH2	HGC_27con	HGC_27004	NOTEST	0.00752	0.0081	0.10646	1
EP300	HGC_27con	HGC_27004	OK	13.8411	14.9013	0.10648	0.6887
LHX8	HGC_27con	HGC_27004	OK	26.1601	28.1648	0.106526	0.7047
BTRC	HGC_27con	HGC_27004	OK	7.89347	8.49917	0.106662	0.7163
FLVCR1	HGC_27con	HGC_27004	OK	5.86501	6.3151	0.106672	0.7179
PUF60	HGC_27con	HGC_27004	OK	60.4724	65.119	0.106803	0.6831
FAM91A1	HGC_27con	HGC_27004	OK	145.968	157.185	0.106812	0.6743
TUBGCP5	HGC_27con	HGC_27004	OK	5.46471	5.88466	0.106814	0.7297
ATXN7L2	HGC_27con	HGC_27004	OK	5.22632	5.62836	0.106919	0.767
TMEM9B-AS1	HGC_27con	HGC_27004	OK	1.72108	1.85352	0.106954	0.9221
COX6A1	HGC_27con	HGC_27004	OK	276.56	297.847	0.106978	0.6951
TCEB1	HGC_27con	HGC_27004	OK	28.0933	30.2565	0.107017	0.7045
TMED10	HGC_27con	HGC_27004	OK	117.525	126.576	0.107044	0.6779
LOC105747689	HGC_27con	HGC_27004	NOTEST	0.1919	0.20669	0.107061	1
SPIRE2	HGC_27con	HGC_27004	OK	2.99111	3.22157	0.107082	0.7878
EIF2B4	HGC_27con	HGC_27004	OK	16.9385	18.2439	0.107109	0.7149
FAM122A	HGC_27con	HGC_27004	OK	6.45755	6.95531	0.107129	0.7439
RASGRP3	HGC_27con	HGC_27004	OK	1.17045	1.26073	0.107205	0.818
WDR53	HGC_27con	HGC_27004	OK	4.72253	5.087	0.107255	0.7942
LOC101927066	HGC_27con	HGC_27004	NOTEST	0.26655	0.28713	0.107264	1
ADD1	HGC_27con	HGC_27004	OK	27.2123	29.314	0.107334	0.6847
ZC3H18	HGC_27con	HGC_27004	OK	11.1921	12.0566	0.107342	0.6944
ANAPC4	HGC_27con	HGC_27004	OK	7.48799	8.067	0.107452	0.7323
GTF2H1	HGC_27con	HGC_27004	OK	14.1592	15.2543	0.107482	0.7134
CTNNB1	HGC_27con	HGC_27004	OK	38.4509	41.4253	0.107495	0.6815
LEMD2	HGC_27con	HGC_27004	OK	15.3256	16.5113	0.107516	0.7113
ZBTB2	HGC_27con	HGC_27004	OK	7.73513	8.33367	0.107527	0.7274
ABCC2	HGC_27con	HGC_27004	NOTEST	0.15013	0.16175	0.107556	1
CCZ1	HGC_27con	HGC_27004	OK	8.46695	9.12251	0.107587	0.7562
UBR3	HGC_27con	HGC_27004	OK	5.45197	5.87444	0.107674	0.7116
ADAT3	HGC_27con	HGC_27004	OK	12.8539	13.8502	0.107694	0.884
CCNT2	HGC_27con	HGC_27004	OK	6.61593	7.12951	0.107858	0.7064
CKAP2	HGC_27con	HGC_27004	OK	22.0981	23.814	0.107888	0.693
ONECUT2	HGC_27con	HGC_27004	OK	0.71579	0.7714	0.107935	0.7731
UBE2M	HGC_27con	HGC_27004	OK	38.5887	41.5906	0.108082	0.708
CCDC59	HGC_27con	HGC_27004	OK	12.5555	13.5323	0.108089	0.7405
SFT2D2	HGC_27con	HGC_27004	OK	5.80897	6.26108	0.108128	0.841
ADO	HGC_27con	HGC_27004	OK	12.191	13.1405	0.108205	0.7221
PSMC3	HGC_27con	HGC_27004	OK	76.8484	82.8346	0.108219	0.6776
RHBDF2	HGC_27con	HGC_27004	OK	4.16571	4.49068	0.108372	0.7729
NEK1	HGC_27con	HGC_27004	OK	4.65261	5.01564	0.108395	0.7095
USPL1	HGC_27con	HGC_27004	OK	4.5102	4.86251	0.108511	0.7399
CPT2	HGC_27con	HGC_27004	OK	13.7613	14.8364	0.108523	0.7474
MEX3C	HGC_27con	HGC_27004	OK	17.3769	18.7351	0.10857	0.6984
NSMCE4A	HGC_27con	HGC_27004	OK	14.4056	15.5324	0.108648	0.7331

PRDX5	HGC_27con	HGC_27004	OK	249.859	269.408	0.10868	0.6732
GPR137B	HGC_27con	HGC_27004	OK	8.73118	9.41461	0.108724	0.7707
MXI1	HGC_27con	HGC_27004	OK	9.24537	9.96927	0.108756	0.7205
DSG3	HGC_27con	HGC_27004	NOTEST	0.09574	0.10323	0.108757	1
CREB3	HGC_27con	HGC_27004	OK	9.74422	10.5073	0.108776	0.9262
PCMT1	HGC_27con	HGC_27004	OK	29.6257	31.946	0.108783	0.7154
DDX20	HGC_27con	HGC_27004	OK	8.32513	8.97734	0.108815	0.7605
RALGDS	HGC_27con	HGC_27004	OK	11.328	12.2156	0.108829	0.7067
FNTB	HGC_27con	HGC_27004	OK	4.23031	4.56199	0.108899	0.9253
WEE1	HGC_27con	HGC_27004	OK	13.1536	14.185	0.10891	0.7132
MOCS2	HGC_27con	HGC_27004	OK	5.8416	6.29992	0.108969	0.7293
PRIMPOL	HGC_27con	HGC_27004	OK	6.46158	6.96885	0.109034	0.8207
INTS7	HGC_27con	HGC_27004	OK	10.9191	11.7764	0.109036	0.7734
PLSCR4	HGC_27con	HGC_27004	OK	1.82014	1.96318	0.109142	0.8221
FBXL19-AS1	HGC_27con	HGC_27004	OK	4.98797	5.38029	0.109232	0.859
DCUN1D3	HGC_27con	HGC_27004	OK	2.4029	2.5922	0.109405	0.8547
SRPX	HGC_27con	HGC_27004	OK	16.7889	18.1118	0.109422	0.7132
PTRH2	HGC_27con	HGC_27004	OK	19.3784	20.9057	0.10945	0.8251
CSTF1	HGC_27con	HGC_27004	OK	16.8695	18.1992	0.109458	0.7085
PIP5K1A	HGC_27con	HGC_27004	OK	32.7357	35.3167	0.109487	0.6839
SAP30L	HGC_27con	HGC_27004	OK	3.077	3.3198	0.109576	0.74
G2E3	HGC_27con	HGC_27004	OK	7.97967	8.60998	0.10968	0.7034
IGSF9	HGC_27con	HGC_27004	OK	3.52395	3.80264	0.109806	0.7583
SPAG9	HGC_27con	HGC_27004	OK	9.75323	10.5251	0.10988	0.6783
VPS41	HGC_27con	HGC_27004	OK	18.865	20.3581	0.109896	0.6659
RTCB	HGC_27con	HGC_27004	OK	36.4334	39.3176	0.109914	0.6817
PRKCA	HGC_27con	HGC_27004	OK	5.32558	5.74735	0.109958	0.6947
PDCD2	HGC_27con	HGC_27004	OK	25.0752	27.062	0.110006	0.7247
USP12	HGC_27con	HGC_27004	OK	7.02796	7.58523	0.110088	0.7146
LOC389199	HGC_27con	HGC_27004	NOTEST	0.20354	0.2197	0.110212	1
CAPZA1	HGC_27con	HGC_27004	OK	49.7957	53.7525	0.110312	0.6784
PEX14	HGC_27con	HGC_27004	OK	9.60798	10.3718	0.110358	0.749
KIAA0391	HGC_27con	HGC_27004	OK	11.3808	12.2858	0.110381	0.8182
ACTR5	HGC_27con	HGC_27004	OK	3.29992	3.56234	0.110392	0.7878
TP53TG3D	HGC_27con	HGC_27004	OK	6.39423	6.90301	0.110453	0.8081
ZCRB1	HGC_27con	HGC_27004	OK	30.7808	33.2307	0.110488	0.6844
BPTF	HGC_27con	HGC_27004	OK	8.08153	8.72494	0.110518	0.682
RAPH1	HGC_27con	HGC_27004	OK	3.86321	4.17089	0.110554	0.7135
MYO6	HGC_27con	HGC_27004	OK	1.82354	1.9688	0.110575	0.7403
RARS2	HGC_27con	HGC_27004	OK	14.3096	15.4502	0.110644	0.7182
ZBTB7A	HGC_27con	HGC_27004	OK	8.33214	8.99647	0.110672	0.7102
MORF4L1	HGC_27con	HGC_27004	OK	122.251	131.999	0.110692	0.6661
SLC25A12	HGC_27con	HGC_27004	OK	9.32209	10.0656	0.110711	0.7074
LOC284930	HGC_27con	HGC_27004	OK	0.68617	0.74091	0.110744	0.8747
HNRNPH1	HGC_27con	HGC_27004	OK	250.18	270.158	0.110837	0.6587
SNX14	HGC_27con	HGC_27004	OK	7.79945	8.42231	0.110843	0.7107
DTD1	HGC_27con	HGC_27004	OK	54.0761	58.3969	0.110899	0.6886
LAT2	HGC_27con	HGC_27004	OK	0.47642	0.51449	0.110926	0.879
TBX20	HGC_27con	HGC_27004	OK	1.29811	1.40187	0.110938	0.849
WDR33	HGC_27con	HGC_27004	OK	11.7144	12.6508	0.110942	0.7049
C16orf13	HGC_27con	HGC_27004	OK	68.3193	73.7812	0.110959	0.7265
RCC1	HGC_27con	HGC_27004	OK	27.5866	29.7924	0.110974	0.7811
PFN1P2	HGC_27con	HGC_27004	OK	5.56265	6.00781	0.111067	0.2034
LINC00461	HGC_27con	HGC_27004	OK	4.52004	4.88188	0.111101	0.7465

LSM12	HGC_27con	HGC_27004	OK	35.406	38.2409	0.111122	0.6874
PSMB2	HGC_27con	HGC_27004	OK	38.0969	41.1477	0.111136	0.675
CNOT7	HGC_27con	HGC_27004	OK	40.9661	44.249	0.111213	0.6749
GLRX5	HGC_27con	HGC_27004	OK	68.08	73.5382	0.111265	0.6862
MIS18BP1	HGC_27con	HGC_27004	OK	9.24849	9.99044	0.111133	0.6974
LINC01530	HGC_27con	HGC_27004	OK	0.64073	0.69214	0.111343	0.8733
SUN2	HGC_27con	HGC_27004	OK	18.8041	20.3134	0.111379	0.6782
PVT1	HGC_27con	HGC_27004	OK	29.2324	31.5812	0.111496	0.6988
LRSAM1	HGC_27con	HGC_27004	OK	11.3343	12.2451	0.111506	0.6999
FYN	HGC_27con	HGC_27004	OK	7.34697	7.93736	0.111151	0.7151
SMG8	HGC_27con	HGC_27004	OK	8.68384	9.3819	0.111548	0.7133
PREB	HGC_27con	HGC_27004	OK	40.7491	44.0273	0.111631	0.676
STX17	HGC_27con	HGC_27004	OK	6.31755	6.82608	0.111693	0.6974
ATG14	HGC_27con	HGC_27004	OK	3.9365	4.25341	0.111708	0.7315
TFB2M	HGC_27con	HGC_27004	OK	16.3825	17.7014	0.111713	0.7245
PUS1	HGC_27con	HGC_27004	OK	13.4255	14.5076	0.111839	0.7201
CCNG2	HGC_27con	HGC_27004	OK	5.97368	6.45524	0.111852	0.7174
MRPL44	HGC_27con	HGC_27004	OK	18.7583	20.2707	0.111861	0.72
CMAS	HGC_27con	HGC_27004	OK	20.2538	21.8874	0.111911	0.6997
MRPS31	HGC_27con	HGC_27004	OK	10.89	11.7688	0.111962	0.742
MTMR10	HGC_27con	HGC_27004	OK	2.75872	2.98139	0.111983	0.8035
EARS2	HGC_27con	HGC_27004	OK	11.6891	12.633	0.112025	0.7014
SMIM17	HGC_27con	HGC_27004	OK	0.32863	0.35519	0.112141	0.8836
BREA2	HGC_27con	HGC_27004	OK	0.48962	0.52921	0.112167	0.9067
ERCC6L2	HGC_27con	HGC_27004	OK	4.90985	5.30693	0.112199	0.7292
VPS72	HGC_27con	HGC_27004	OK	34.0302	36.7826	0.112206	0.6887
TRIB1	HGC_27con	HGC_27004	OK	45.3481	49.0163	0.112219	0.669
USO1	HGC_27con	HGC_27004	OK	39.5607	42.7619	0.11226	0.6573
OXA1L	HGC_27con	HGC_27004	OK	109.171	118.008	0.112299	0.6698
ATP1B1	HGC_27con	HGC_27004	OK	1.3576	1.46757	0.112363	0.9068
RBPMS2	HGC_27con	HGC_27004	OK	8.67801	9.38092	0.112365	0.7681
MBD5	HGC_27con	HGC_27004	OK	1.22751	1.32699	0.11243	0.9029
TRIM17	HGC_27con	HGC_27004	OK	0.30957	0.33466	0.112434	0.886
DENND4B	HGC_27con	HGC_27004	OK	11.1823	12.0901	0.11261	0.7025
PREPL	HGC_27con	HGC_27004	OK	29.1726	31.5412	0.112623	0.6652
ZNF131	HGC_27con	HGC_27004	OK	13.5838	14.6876	0.112717	0.6905
PSMA2	HGC_27con	HGC_27004	OK	106.409	115.057	0.112724	0.6676
KCTD7	HGC_27con	HGC_27004	OK	6.11815	6.61545	0.112744	0.7098
KIAA1033	HGC_27con	HGC_27004	OK	6.25601	6.76469	0.112781	0.695
ZNF772	HGC_27con	HGC_27004	OK	0.75379	0.81511	0.112824	0.8263
AP3M2	HGC_27con	HGC_27004	OK	9.24232	9.99419	0.112835	0.6985
PPP1R13B	HGC_27con	HGC_27004	OK	8.05514	8.71078	0.112891	0.6998
SPDL1	HGC_27con	HGC_27004	OK	14.7078	15.905	0.112899	0.6957
AGK	HGC_27con	HGC_27004	OK	12.5292	13.5501	0.113009	0.7013
MTR	HGC_27con	HGC_27004	OK	9.80699	10.607	0.113131	0.6647
ZCCHC3	HGC_27con	HGC_27004	OK	34.3139	37.1135	0.113152	0.6807
EMC4	HGC_27con	HGC_27004	OK	60.9173	65.8895	0.113196	0.746
ZCWPW2	HGC_27con	HGC_27004	OK	1.78063	1.92602	0.113239	0.8361
ANKRD44	HGC_27con	HGC_27004	OK	1.4968	1.61909	0.1133	0.8439
SMC6	HGC_27con	HGC_27004	OK	11.7617	12.7227	0.113311	0.669
NAV3	HGC_27con	HGC_27004	OK	2.57884	2.78969	0.113383	0.7094
FAH	HGC_27con	HGC_27004	OK	12.0143	12.9968	0.113403	0.7323
FAM174B	HGC_27con	HGC_27004	NOTEST	0.26564	0.28738	0.113488	1
C1orf43	HGC_27con	HGC_27004	OK	169.421	183.294	0.113544	0.7345

ARPIN	HGC_27con	HGC_27004	OK	5.22594	5.65387	0.113549	0.7825
BTAF1	HGC_27con	HGC_27004	OK	11.2971	12.2222	0.11355	0.6774
GPATCH1	HGC_27con	HGC_27004	OK	5.59919	6.0577	0.113553	0.7192
CYB561	HGC_27con	HGC_27004	NOTEST	0.18382	0.19887	0.113576	1
ORC2	HGC_27con	HGC_27004	OK	10.9293	11.8247	0.113602	0.6917
MICALL1	HGC_27con	HGC_27004	OK	17.1429	18.5478	0.113638	0.6758
CMTM6	HGC_27con	HGC_27004	OK	9.8596	10.6677	0.113646	0.7119
ALDH1B1	HGC_27con	HGC_27004	OK	14.1878	15.3512	0.113698	0.6945
BEND3P3	HGC_27con	HGC_27004	OK	2.15116	2.32758	0.113713	0.758
ATP5H	HGC_27con	HGC_27004	OK	235.486	254.806	0.113754	0.6937
ARHGEF16	HGC_27con	HGC_27004	OK	1.17784	1.27447	0.113755	0.8362
HCFC1R1	HGC_27con	HGC_27004	OK	47.0781	50.9448	0.113878	0.8189
CCDC9	HGC_27con	HGC_27004	OK	3.65812	3.95876	0.113949	0.7703
MFSD5	HGC_27con	HGC_27004	OK	28.6305	30.9851	0.114023	0.7014
MMS22L	HGC_27con	HGC_27004	OK	5.13621	5.55874	0.114053	0.6977
PLD5	HGC_27con	HGC_27004	NOTEST	0.01139	0.01233	0.114069	1
PSMB10	HGC_27con	HGC_27004	OK	14.3896	15.5747	0.114179	0.7795
COMMD8	HGC_27con	HGC_27004	OK	9.7529	10.5568	0.114272	0.7478
MAP3K2	HGC_27con	HGC_27004	OK	5.42092	5.86802	0.114337	0.6746
SPC24	HGC_27con	HGC_27004	OK	21.0082	22.7414	0.114368	0.753
UCK2	HGC_27con	HGC_27004	OK	19.8381	21.4753	0.114399	0.668
COG5	HGC_27con	HGC_27004	OK	12.4826	13.5135	0.114476	0.7313
PRKAR1A	HGC_27con	HGC_27004	OK	30.8822	33.4337	0.114527	0.7324
FEZ2	HGC_27con	HGC_27004	OK	17.592	19.0463	0.114591	0.6951
RXFP4	HGC_27con	HGC_27004	NOTEST	0.27163	0.29409	0.114611	1
CDS2	HGC_27con	HGC_27004	OK	5.1327	5.55718	0.114635	0.6896
MRPL46	HGC_27con	HGC_27004	OK	20.201	21.872	0.114658	0.7213
MAZ	HGC_27con	HGC_27004	OK	148.871	161.19	0.114691	0.6543
H2AFV	HGC_27con	HGC_27004	OK	77.8967	84.3425	0.114698	0.6787
SLC39A11	HGC_27con	HGC_27004	OK	6.36941	6.89683	0.114775	0.7234
POLR3C	HGC_27con	HGC_27004	OK	9.85926	10.6759	0.114811	0.9045
PSEN1	HGC_27con	HGC_27004	OK	9.02263	9.77007	0.114821	0.6786
CWC27	HGC_27con	HGC_27004	OK	9.53891	10.3295	0.114874	0.6964
POLR3F	HGC_27con	HGC_27004	OK	6.85362	7.42198	0.114938	0.7405
YARS2	HGC_27con	HGC_27004	OK	18.6468	20.1952	0.115084	0.6997
PTPRF	HGC_27con	HGC_27004	OK	28.7296	31.1166	0.115148	0.648
PSME3	HGC_27con	HGC_27004	OK	45.1194	48.8685	0.115155	0.6626
NUDT14	HGC_27con	HGC_27004	OK	77.965	84.4446	0.115178	0.6911
METRNL	HGC_27con	HGC_27004	OK	120.003	129.98	0.115222	0.6848
RRS1	HGC_27con	HGC_27004	OK	18.6282	20.1778	0.115283	0.6935
TBC1D1	HGC_27con	HGC_27004	OK	10.4807	11.3528	0.115305	0.6798
DENND1A	HGC_27con	HGC_27004	OK	6.3121	6.83761	0.115371	0.7379
MORN4	HGC_27con	HGC_27004	OK	10.0028	10.8359	0.115421	0.7137
C14orf28	HGC_27con	HGC_27004	OK	2.51366	2.72316	0.115489	0.7928
MRPL18	HGC_27con	HGC_27004	OK	33.1602	35.9245	0.115513	0.7069
MFAP3	HGC_27con	HGC_27004	OK	10.5555	11.4355	0.115533	0.688
USP32P2	HGC_27con	HGC_27004	NOTEST	0.19164	0.20763	0.115569	1
RINT1	HGC_27con	HGC_27004	OK	6.73361	7.29582	0.11569	0.7269
SLC25A33	HGC_27con	HGC_27004	OK	23.2431	25.1841	0.115713	0.704
MPV17L2	HGC_27con	HGC_27004	OK	38.7601	41.9975	0.115728	0.6914
SHPRH	HGC_27con	HGC_27004	OK	2.79785	3.03156	0.115741	0.7878
COQ7	HGC_27con	HGC_27004	OK	6.92104	7.49972	0.115847	0.7369
PPP1R8	HGC_27con	HGC_27004	OK	13.484	14.6115	0.115857	0.6912
ZNF330	HGC_27con	HGC_27004	OK	14.5534	15.7719	0.115997	0.6994

TMEM199	HGC_27con	HGC_27004	OK	7.06439	7.65593	0.116014	0.8771
GNG12	HGC_27con	HGC_27004	OK	21.195	22.9711	0.116096	0.7671
PPTC7	HGC_27con	HGC_27004	OK	11.24	12.1819	0.116101	0.6951
SUGT1	HGC_27con	HGC_27004	OK	26.1257	28.3153	0.116112	0.6797
C11orf84	HGC_27con	HGC_27004	OK	11.7098	12.6928	0.116292	0.7164
THOC5	HGC_27con	HGC_27004	OK	22.032	23.8821	0.11633	0.673
ELK4	HGC_27con	HGC_27004	OK	6.08115	6.59186	0.116343	0.6976
TP53TG1	HGC_27con	HGC_27004	OK	9.91167	10.7444	0.116382	0.822
CHM	HGC_27con	HGC_27004	OK	7.89138	8.55464	0.11643	0.7121
DIP2B	HGC_27con	HGC_27004	OK	10.343	11.2125	0.116456	0.6704
CHAC2	HGC_27con	HGC_27004	OK	14.3355	15.5423	0.116605	0.8539
KBTBD7	HGC_27con	HGC_27004	OK	5.50463	5.96824	0.11666	0.7724
PREP	HGC_27con	HGC_27004	OK	13.0046	14.1006	0.11674	0.6903
POLE4	HGC_27con	HGC_27004	OK	41.5539	45.0599	0.11686	0.7169
PACS1	HGC_27con	HGC_27004	OK	18.141	19.6733	0.116982	0.6669
ELK1	HGC_27con	HGC_27004	OK	11.6998	12.6882	0.116997	0.7087
ZNF280D	HGC_27con	HGC_27004	OK	2.38532	2.58686	0.117015	0.7529
ZNF800	HGC_27con	HGC_27004	OK	4.59007	4.97801	0.117054	0.7208
MATR3	HGC_27con	HGC_27004	OK	63.9357	69.3417	0.117101	0.6582
STX2	HGC_27con	HGC_27004	OK	7.40804	8.03451	0.117118	0.6971
ADGRV1	HGC_27con	HGC_27004	OK	6.01771	6.5267	0.11714	0.6575
DSTYK	HGC_27con	HGC_27004	OK	3.87669	4.20473	0.117188	0.6872
DMXL1	HGC_27con	HGC_27004	OK	4.3401	4.70758	0.117256	0.6804
SNAP25	HGC_27con	HGC_27004	OK	0.46859	0.50829	0.117322	0.9098
CDC40	HGC_27con	HGC_27004	OK	5.67554	6.15665	0.117389	0.708
ZNF138	HGC_27con	HGC_27004	OK	2.56175	2.77892	0.117393	0.7805
FAM175B	HGC_27con	HGC_27004	OK	5.44066	5.90199	0.117421	0.7284
LMNB2	HGC_27con	HGC_27004	OK	63.8686	69.2875	0.117487	0.6516
KIFC2	HGC_27con	HGC_27004	OK	11.2899	12.2491	0.117636	0.7113
TRIM72	HGC_27con	HGC_27004	OK	4.17327	4.52823	0.117769	0.7886
C9orf69	HGC_27con	HGC_27004	OK	27.0403	29.3403	0.117775	0.6766
BAZ2A	HGC_27con	HGC_27004	OK	14.6159	15.8595	0.117808	0.6822
MANBA	HGC_27con	HGC_27004	OK	5.0228	5.45018	0.117813	0.7336
EDARADD	HGC_27con	HGC_27004	OK	3.80221	4.12578	0.117827	0.7425
ATP5B	HGC_27con	HGC_27004	OK	896.271	972.606	0.117921	0.6419
GNB2	HGC_27con	HGC_27004	OK	105.29	114.268	0.118052	0.6506
TSACC	HGC_27con	HGC_27004	OK	1.14387	1.24142	0.118068	0.9434
TANGO6	HGC_27con	HGC_27004	OK	4.53772	4.92499	0.118154	0.7122
KCNN1	HGC_27con	HGC_27004	OK	0.49268	0.53473	0.118161	0.8641
PPIA	HGC_27con	HGC_27004	OK	767.174	832.656	0.118167	0.6332
PFDN2	HGC_27con	HGC_27004	OK	74.6006	80.9715	0.118227	0.7534
ZNF430	HGC_27con	HGC_27004	OK	2.27988	2.47459	0.118231	0.7516
AKIP1	HGC_27con	HGC_27004	OK	18.8274	20.4361	0.118289	0.7166
INVS	HGC_27con	HGC_27004	OK	9.05195	9.82545	0.118295	0.6793
EHMT2	HGC_27con	HGC_27004	OK	25.4671	27.6463	0.118449	0.6617
CMC1	HGC_27con	HGC_27004	OK	9.17692	9.96223	0.118459	0.8098
WRNIP1	HGC_27con	HGC_27004	OK	31.003	33.6562	0.118467	0.6667
DDX11L2	HGC_27con	HGC_27004	NOTEST	0.09751	0.10586	0.118475	1
TRIM14	HGC_27con	HGC_27004	OK	19.2905	20.9423	0.118525	0.6664
RNMTL1	HGC_27con	HGC_27004	OK	10.0518	10.9131	0.118606	0.8353
SIAH1	HGC_27con	HGC_27004	OK	50.467	54.7933	0.118661	0.7993
STK4-AS1	HGC_27con	HGC_27004	NOTEST	0.22024	0.23912	0.118678	1
SRBD1	HGC_27con	HGC_27004	OK	7.40432	8.03919	0.118683	0.6868
AKR7A3	HGC_27con	HGC_27004	OK	0.47467	0.51539	0.118719	0.899

LTBP1	HGC_27con	HGC_27004	OK	66.4017	72.0975	0.118729	0.6342
GRK4	HGC_27con	HGC_27004	OK	0.82303	0.89376	0.118953	0.8453
DCTD	HGC_27con	HGC_27004	OK	47.6556	51.752	0.118968	0.644
DCTN2	HGC_27con	HGC_27004	OK	33.0568	35.8986	0.118983	0.7205
ZNF14	HGC_27con	HGC_27004	OK	2.31772	2.51708	0.119044	0.7645
YAE1D1	HGC_27con	HGC_27004	OK	16.3267	17.733	0.119203	0.7342
NAA15	HGC_27con	HGC_27004	OK	12.8665	13.9767	0.119399	0.6988
ANAPC7	HGC_27con	HGC_27004	OK	20.3649	22.1228	0.119451	0.6601
CEP112	HGC_27con	HGC_27004	OK	0.99021	1.07579	0.119587	0.7968
EPX	HGC_27con	HGC_27004	NOTEST	0.09194	0.09989	0.119599	1
UBE2C	HGC_27con	HGC_27004	OK	123.344	134.01	0.119652	0.664
CEP41	HGC_27con	HGC_27004	OK	4.99867	5.43094	0.119658	0.7064
KHDRBS2	HGC_27con	HGC_27004	OK	4.85195	5.27175	0.119718	0.7481
TFAP4	HGC_27con	HGC_27004	OK	13.4368	14.5994	0.119728	0.7022
FAM63B	HGC_27con	HGC_27004	OK	3.16427	3.43835	0.119843	0.7201
LINC00998	HGC_27con	HGC_27004	OK	42.5154	46.201	0.119938	0.6796
GSTCD	HGC_27con	HGC_27004	OK	3.48893	3.7914	0.119947	0.732
MBTPS2	HGC_27con	HGC_27004	OK	6.0318	6.55495	0.119997	0.7104
ATF7IP	HGC_27con	HGC_27004	OK	7.55575	8.21185	0.120131	0.6597
NEU3	HGC_27con	HGC_27004	OK	3.38582	3.68011	0.120241	0.7586
SOS2	HGC_27con	HGC_27004	OK	7.50431	8.15736	0.120384	0.6805
PAFAH1B3	HGC_27con	HGC_27004	OK	50.4173	54.8065	0.120427	0.7021
TRMT112	HGC_27con	HGC_27004	OK	73.3403	79.729	0.120498	0.7435
ATP1A1	HGC_27con	HGC_27004	OK	72.8909	79.2412	0.120512	0.6389
HUNK	HGC_27con	HGC_27004	OK	2.22951	2.42393	0.12062	0.725
PPP1R3A	HGC_27con	HGC_27004	OK	17.6517	19.1912	0.120634	0.65
PLCG2	HGC_27con	HGC_27004	OK	1.38516	1.50599	0.120654	0.7362
CSE1L	HGC_27con	HGC_27004	OK	55.6754	60.5338	0.120701	0.642
CYP20A1	HGC_27con	HGC_27004	OK	3.36644	3.66027	0.12073	0.6843
ZDHHC16	HGC_27con	HGC_27004	OK	42.7405	46.4717	0.120749	0.6665
MKX	HGC_27con	HGC_27004	OK	8.78452	9.5515	0.120765	0.6908
SCARNA7	HGC_27con	HGC_27004	NOTEST	0.17259	0.18766	0.120766	1
DVL2	HGC_27con	HGC_27004	OK	17.3718	18.8906	0.120916	0.6741
DNAAF2	HGC_27con	HGC_27004	OK	10.8378	11.7863	0.121047	0.6845
SNRNP48	HGC_27con	HGC_27004	OK	6.5977	7.17543	0.121103	0.7005
POM121L10P	HGC_27con	HGC_27004	NOTEST	0.09218	0.10026	0.12116	1
LOC101927365	HGC_27con	HGC_27004	OK	0.97444	1.05981	0.121165	0.1468
KIAA2026	HGC_27con	HGC_27004	OK	5.40948	5.88374	0.121244	0.6733
C19orf52	HGC_27con	HGC_27004	OK	23.6388	25.7122	0.121296	0.8715
EEA1	HGC_27con	HGC_27004	OK	4.23847	4.61032	0.121322	0.6744
EXTL3	HGC_27con	HGC_27004	OK	9.40057	10.2254	0.121343	0.6792
SEC63	HGC_27con	HGC_27004	OK	22.0158	23.9476	0.121344	0.6397
LINC00921	HGC_27con	HGC_27004	OK	0.40808	0.44389	0.121346	0.8709
ZBTB25	HGC_27con	HGC_27004	OK	17.7613	19.3215	0.121471	0.9462
STOM	HGC_27con	HGC_27004	OK	39.2384	42.6865	0.121513	0.6513
ZNF71	HGC_27con	HGC_27004	OK	1.80422	1.96281	0.121547	0.7977
WDR62	HGC_27con	HGC_27004	OK	14.0597	15.2956	0.121556	0.6525
ATAD2	HGC_27con	HGC_27004	OK	145.944	158.774	0.121564	0.6342
SYNGAP1	HGC_27con	HGC_27004	OK	8.83495	9.61275	0.121727	0.6665
ZNF559-ZNF177	HGC_27con	HGC_27004	OK	0.7298	0.79406	0.121739	0.914
BRD2	HGC_27con	HGC_27004	OK	50.298	54.7274	0.121762	0.6416
ERVMER34-1	HGC_27con	HGC_27004	OK	1.67373	1.82122	0.121843	0.8013
LRRC37A4P	HGC_27con	HGC_27004	OK	2.89689	3.15218	0.121844	0.697
UBE3D	HGC_27con	HGC_27004	OK	2.90138	3.15741	0.122004	0.7901

FOXO3B	HGC_27con	HGC_27004	OK	1.47961	1.61021	0.122031	0.757
GPATCH11	HGC_27con	HGC_27004	OK	7.63058	8.30424	0.122056	0.6797
C1QBP	HGC_27con	HGC_27004	OK	137.275	149.394	0.122058	0.7297
CDCA3	HGC_27con	HGC_27004	OK	9.7609	10.6228	0.122083	0.7446
GCNT4	HGC_27con	HGC_27004	OK	0.91369	0.99452	0.122287	0.827
B4GALT5	HGC_27con	HGC_27004	OK	7.31228	7.95983	0.122416	0.6842
EMC1	HGC_27con	HGC_27004	OK	8.36527	9.10608	0.122417	0.6599
SETD8	HGC_27con	HGC_27004	OK	10.5355	11.4687	0.122439	0.6838
WDFY3	HGC_27con	HGC_27004	OK	3.93767	4.28648	0.122452	0.6611
KCTD8	HGC_27con	HGC_27004	OK	0.5827	0.63432	0.122471	0.8672
KDELC1	HGC_27con	HGC_27004	OK	8.07175	8.78706	0.122499	0.824
R3HDM1	HGC_27con	HGC_27004	OK	22.3075	24.2845	0.122508	0.6417
PIAS4	HGC_27con	HGC_27004	OK	12.1852	13.2654	0.122538	0.6838
EML5	HGC_27con	HGC_27004	OK	2.154	2.34496	0.122541	0.7151
NFS1	HGC_27con	HGC_27004	OK	13.4501	14.6431	0.122602	0.7428
UBQLN1	HGC_27con	HGC_27004	OK	54.6288	59.4744	0.122607	0.6257
CISD2	HGC_27con	HGC_27004	OK	6.33098	6.89261	0.122623	0.6841
HIGD1A	HGC_27con	HGC_27004	OK	17.443	18.9908	0.122657	0.6729
ACBD3	HGC_27con	HGC_27004	OK	18.2902	19.9133	0.122661	0.6523
SLCO1A2	HGC_27con	HGC_27004	OK	0.86087	0.93728	0.122687	0.7722
TIGD7	HGC_27con	HGC_27004	OK	2.81503	3.06493	0.122705	0.7934
SNX12	HGC_27con	HGC_27004	OK	28.2972	30.8095	0.122715	0.657
RALBP1	HGC_27con	HGC_27004	OK	13.4508	14.6465	0.122867	0.6617
ZNF470	HGC_27con	HGC_27004	OK	0.37615	0.40959	0.122876	0.8214
LOC101927919	HGC_27con	HGC_27004	NOTEST	0.22878	0.24916	0.123118	1
FAM179B	HGC_27con	HGC_27004	OK	3.65029	3.97562	0.123169	0.6895
MYBBP1A	HGC_27con	HGC_27004	OK	11.5734	12.6051	0.123197	0.6598
CRBN	HGC_27con	HGC_27004	OK	8.72074	9.49837	0.123228	0.6989
CSTF3	HGC_27con	HGC_27004	OK	17.5534	19.1195	0.123298	0.7715
C2CD2	HGC_27con	HGC_27004	OK	1.70278	1.85476	0.123347	0.7517
AAMP	HGC_27con	HGC_27004	OK	28.5175	31.0632	0.123361	0.6455
TMEM139	HGC_27con	HGC_27004	NOTEST	0.0574	0.06252	0.123427	1
OSBP	HGC_27con	HGC_27004	OK	22.1683	24.1492	0.123476	0.6414
LOC100287072	HGC_27con	HGC_27004	OK	1.33439	1.45369	0.12354	0.8244
NIPSNAP1	HGC_27con	HGC_27004	OK	56.2654	61.2981	0.123595	0.6387
FBXO42	HGC_27con	HGC_27004	OK	3.75983	4.09647	0.123716	0.6994
PRDM11	HGC_27con	HGC_27004	OK	1.30021	1.41674	0.123828	0.8126
C1orf74	HGC_27con	HGC_27004	OK	1.80786	1.96988	0.123829	0.763
CACFD1	HGC_27con	HGC_27004	OK	6.24805	6.80874	0.123982	0.7213
AP3M1	HGC_27con	HGC_27004	OK	16.0065	17.4436	0.124044	0.6385
LIFR	HGC_27con	HGC_27004	OK	14.2073	15.4837	0.124111	0.6366
ZNF232	HGC_27con	HGC_27004	OK	2.59599	2.8295	0.12426	0.7875
ZBTB1	HGC_27con	HGC_27004	OK	13.9826	15.2412	0.12434	0.86
TIMM10B	HGC_27con	HGC_27004	OK	11.7814	12.8419	0.124352	0.7876
SPATA25	HGC_27con	HGC_27004	OK	1.21205	1.32121	0.12441	0.8764
PCDH11Y	HGC_27con	HGC_27004	NOTEST	0.19167	0.20894	0.124433	1
ZNF462	HGC_27con	HGC_27004	OK	3.05225	3.32725	0.124456	0.6748
RELT	HGC_27con	HGC_27004	OK	1.66767	1.81793	0.124465	0.7911
CLUH	HGC_27con	HGC_27004	OK	18.9354	20.6417	0.124476	0.6408
BZW2	HGC_27con	HGC_27004	OK	98.7154	107.612	0.124491	0.6274
AGAP4	HGC_27con	HGC_27004	OK	1.13091	1.23283	0.124491	0.8163
TMCC1	HGC_27con	HGC_27004	OK	1.54641	1.68579	0.124502	0.7512
UQCRFS1	HGC_27con	HGC_27004	OK	229.627	250.338	0.12459	0.6348
CDKN2C	HGC_27con	HGC_27004	OK	38.1624	41.6048	0.1246	0.6534

COMMD6	HGC_27con	HGC_27004	OK	26.4245	28.809	0.124645	0.669
UTP23	HGC_27con	HGC_27004	OK	23.8724	26.0279	0.124714	0.645
RBM25	HGC_27con	HGC_27004	OK	25.0769	27.3419	0.124758	0.6373
CRLS1	HGC_27con	HGC_27004	OK	10.7369	11.707	0.124792	0.675
CD47	HGC_27con	HGC_27004	OK	12.3935	13.5142	0.124892	0.6493
ZNF432	HGC_27con	HGC_27004	OK	0.85032	0.92723	0.124923	0.8187
DLEU1	HGC_27con	HGC_27004	OK	8.2297	8.97409	0.124924	0.7192
ZYG11B	HGC_27con	HGC_27004	OK	5.80175	6.32665	0.124954	0.6615
MGA	HGC_27con	HGC_27004	OK	4.89774	5.34092	0.124972	0.6546
ALG10B	HGC_27con	HGC_27004	OK	4.87251	5.31344	0.124983	0.6651
PPP1R21	HGC_27con	HGC_27004	OK	8.61615	9.39602	0.125006	0.6728
SNHG21	HGC_27con	HGC_27004	OK	6.41692	6.99775	0.12501	0.8278
ZNF805	HGC_27con	HGC_27004	OK	0.78066	0.85142	0.125171	0.7652
EBLN3	HGC_27con	HGC_27004	OK	18.3762	20.0426	0.125234	0.6467
ELP2	HGC_27con	HGC_27004	OK	24.7876	27.0356	0.125242	0.6449
MAP4K3	HGC_27con	HGC_27004	OK	20.0175	21.8334	0.125277	0.6295
CRIM1	HGC_27con	HGC_27004	OK	7.45583	8.13229	0.125294	0.6644
ZNF354A	HGC_27con	HGC_27004	OK	5.20614	5.67856	0.125312	0.7175
TLK2	HGC_27con	HGC_27004	OK	6.67962	7.28595	0.125351	0.6724
JMJD7	HGC_27con	HGC_27004	OK	3.64157	3.97247	0.125474	0.8402
TM9SF2	HGC_27con	HGC_27004	OK	36.5482	39.8709	0.125535	0.6381
PCGF5	HGC_27con	HGC_27004	OK	10.4194	11.3668	0.125553	0.8057
PWP2	HGC_27con	HGC_27004	OK	16.1471	17.6157	0.125583	0.6601
SNRPD3	HGC_27con	HGC_27004	OK	33.9771	37.0678	0.125603	0.6839
LSS	HGC_27con	HGC_27004	OK	42.1137	45.9457	0.125641	0.6309
SRP72	HGC_27con	HGC_27004	OK	52.3304	57.0921	0.125643	0.6207
VTI1B	HGC_27con	HGC_27004	OK	45.371	49.4996	0.125645	0.6956
PPP4R2	HGC_27con	HGC_27004	OK	13.0316	14.2176	0.125655	0.6845
MAGOH	HGC_27con	HGC_27004	OK	46.3158	50.5317	0.125685	0.7418
PTS	HGC_27con	HGC_27004	OK	17.0674	18.6212	0.125703	0.7206
LOC101929234	HGC_27con	HGC_27004	OK	1.21096	1.32126	0.125759	0.8531
NDUFA4L2	HGC_27con	HGC_27004	OK	3.69904	4.03597	0.125763	0.7978
UQCRC1	HGC_27con	HGC_27004	OK	87.8239	95.8263	0.125808	0.6305
FAM114A1	HGC_27con	HGC_27004	OK	5.16932	5.6405	0.12585	0.6939
NXNL2	HGC_27con	HGC_27004	OK	0.77016	0.84037	0.125875	0.8986
NUDT6	HGC_27con	HGC_27004	OK	2.07507	2.26435	0.125936	0.8325
EBAG9	HGC_27con	HGC_27004	OK	7.92723	8.65166	0.12616	0.6961
HOXD12	HGC_27con	HGC_27004	OK	1.47829	1.61342	0.126193	0.8747
EMP2	HGC_27con	HGC_27004	OK	8.95212	9.77048	0.126201	0.6583
CCND2	HGC_27con	HGC_27004	OK	47.076	51.3796	0.126203	0.6223
SERAC1	HGC_27con	HGC_27004	OK	1.75387	1.9142	0.126203	0.7737
ZNF770	HGC_27con	HGC_27004	OK	14.8569	16.2161	0.126291	0.6405
RP2	HGC_27con	HGC_27004	OK	4.37623	4.77687	0.126376	0.7202
AP1M1	HGC_27con	HGC_27004	OK	38.0168	41.5045	0.126629	0.6386
HOXA7	HGC_27con	HGC_27004	OK	0.47047	0.51363	0.126639	0.9018
RPAP2	HGC_27con	HGC_27004	OK	4.64172	5.06769	0.126668	0.7564
ZNF429	HGC_27con	HGC_27004	OK	1.98664	2.16897	0.126684	0.7919
ELF2	HGC_27con	HGC_27004	OK	8.25716	9.01509	0.126696	0.6793
MRPL13	HGC_27con	HGC_27004	OK	177.181	193.445	0.126699	0.6968
RDH11	HGC_27con	HGC_27004	OK	35.6869	38.9634	0.126725	0.6365
COX15	HGC_27con	HGC_27004	OK	16.222	17.7116	0.126742	0.6814
EFNA2	HGC_27con	HGC_27004	OK	5.73145	6.25791	0.126779	0.7431
PPIE	HGC_27con	HGC_27004	OK	32.9501	35.982	0.126995	0.7053
SGMS2	HGC_27con	HGC_27004	OK	3.11147	3.39779	0.127003	0.7269

KIAA0232	HGC_27con	HGC_27004	OK	2.52195	2.75414	0.12706	0.6855
SSBP2	HGC_27con	HGC_27004	OK	7.72084	8.43247	0.127198	0.7333
BMS1	HGC_27con	HGC_27004	OK	12.3785	13.5196	0.127215	0.634
RMND1	HGC_27con	HGC_27004	OK	7.08177	7.73517	0.127324	0.71
ZFP1	HGC_27con	HGC_27004	OK	5.31688	5.80749	0.127334	0.7005
TBKBP1	HGC_27con	HGC_27004	OK	5.64231	6.16295	0.127337	0.692
YWHAG	HGC_27con	HGC_27004	OK	88.2479	96.3929	0.127365	0.6211
ABI1	HGC_27con	HGC_27004	OK	16.0169	17.4953	0.127366	0.686
RAB35	HGC_27con	HGC_27004	OK	9.33294	10.1944	0.12738	0.6775
FAM175A	HGC_27con	HGC_27004	OK	17.1049	18.6849	0.127465	0.696
ERRFI1	HGC_27con	HGC_27004	OK	3.82384	4.17707	0.127469	0.725
TATDN1	HGC_27con	HGC_27004	OK	309.112	337.68	0.127527	0.738
TOE1	HGC_27con	HGC_27004	OK	8.8342	9.65066	0.127527	0.7601
MEIS1	HGC_27con	HGC_27004	OK	9.62292	10.5132	0.127652	0.6616
KATNA1	HGC_27con	HGC_27004	OK	8.36665	9.14075	0.127663	0.6969
LINC00342	HGC_27con	HGC_27004	OK	5.10365	5.57666	0.127874	0.6903
HOXD11	HGC_27con	HGC_27004	OK	11.306	12.3539	0.12788	0.7431
LOC101929829	HGC_27con	HGC_27004	OK	0.74596	0.8152	0.128057	0.8969
FOXP4	HGC_27con	HGC_27004	OK	6.27567	6.85834	0.12809	0.667
MBOAT2	HGC_27con	HGC_27004	OK	6.16963	6.74302	0.12821	0.6869
KIF16B	HGC_27con	HGC_27004	OK	2.73339	2.98753	0.128261	0.6892
SGOL2	HGC_27con	HGC_27004	OK	5.06876	5.54022	0.128309	0.6664
TEKT2	HGC_27con	HGC_27004	NOTEST	0.11628	0.12709	0.128318	1
CRLF3	HGC_27con	HGC_27004	OK	7.51567	8.21659	0.128638	0.6876
TMEM253	HGC_27con	HGC_27004	OK	1.09658	1.19888	0.12868	0.9341
CD200R1	HGC_27con	HGC_27004	OK	0.3584	0.39186	0.12876	0.8682
ARPC2	HGC_27con	HGC_27004	OK	96.2921	105.283	0.128779	0.6217
DHX9	HGC_27con	HGC_27004	OK	48.2638	52.7764	0.128952	0.6053
WNT10A	HGC_27con	HGC_27004	OK	0.41066	0.44906	0.128977	0.8696
MLLT3	HGC_27con	HGC_27004	OK	11.1999	12.2484	0.129109	0.6291
TMEM14A	HGC_27con	HGC_27004	OK	21.3071	23.3057	0.129347	0.7082
SUCLA2	HGC_27con	HGC_27004	OK	20.154	22.0447	0.129366	0.6584
LARP1	HGC_27con	HGC_27004	OK	54.4437	59.5533	0.129414	0.6167
PRPF38B	HGC_27con	HGC_27004	OK	12.8896	14.0998	0.129475	0.6324
EMP3	HGC_27con	HGC_27004	OK	44.899	49.1155	0.129495	0.6674
SETD3	HGC_27con	HGC_27004	OK	26.313	28.7857	0.129576	0.6357
SYNJ2BP	HGC_27con	HGC_27004	OK	4.70625	5.14914	0.129753	0.722
TRMT5	HGC_27con	HGC_27004	OK	7.0151	7.67574	0.129843	0.6618
YWHAB	HGC_27con	HGC_27004	OK	61.3408	67.1248	0.129999	0.6119
DKFZP586I1420	HGC_27con	HGC_27004	OK	1.31176	1.43547	0.130021	0.8009
ANK3	HGC_27con	HGC_27004	OK	1.32602	1.45114	0.130083	0.7178
ALMS1	HGC_27con	HGC_27004	OK	3.3657	3.68338	0.130123	0.6394
BCAP31	HGC_27con	HGC_27004	OK	68.1242	74.5561	0.130159	0.6248
JMJD6	HGC_27con	HGC_27004	OK	6.42344	7.02996	0.130171	0.7088
RNF167	HGC_27con	HGC_27004	OK	23.7065	25.9466	0.130267	0.6567
PACS2	HGC_27con	HGC_27004	OK	20.9825	22.9657	0.130289	0.6626
REPS1	HGC_27con	HGC_27004	OK	9.2967	10.1754	0.13029	0.6623
TXLNA	HGC_27con	HGC_27004	OK	14.2249	15.5703	0.130385	0.6351
NFKB1	HGC_27con	HGC_27004	OK	10.3324	11.3099	0.130408	0.6477
ABCD3	HGC_27con	HGC_27004	OK	18.638	20.4037	0.130581	0.6969
KHDRBS1	HGC_27con	HGC_27004	OK	77.6241	84.9789	0.130601	0.6105
ORC5	HGC_27con	HGC_27004	OK	11.3273	12.4024	0.130821	0.6862
LSR	HGC_27con	HGC_27004	OK	1.37315	1.50361	0.130934	0.8226
OSBPL8	HGC_27con	HGC_27004	OK	8.87699	9.72049	0.130958	0.6267

HMGA1	HGC_27con	HGC_27004	OK	348.933	382.104	0.131017	0.5942
SENP6	HGC_27con	HGC_27004	OK	11.1012	12.1567	0.131034	0.6341
UHRF1BP1	HGC_27con	HGC_27004	OK	8.66667	9.49111	0.131099	0.6221
RNF7	HGC_27con	HGC_27004	OK	14.8928	16.3098	0.131122	0.6726
ATG12	HGC_27con	HGC_27004	OK	11.9687	13.1076	0.131133	0.6473
INPP4A	HGC_27con	HGC_27004	OK	5.15537	5.64598	0.131148	0.6631
MYO5A	HGC_27con	HGC_27004	OK	2.77918	3.04375	0.131192	0.6473
ZRANB2	HGC_27con	HGC_27004	OK	23.4123	25.6421	0.131247	0.661
MOB4	HGC_27con	HGC_27004	OK	10.479	11.4771	0.131261	0.8536
SH3KBP1	HGC_27con	HGC_27004	OK	6.66656	7.30157	0.131264	0.6512
LINC01590	HGC_27con	HGC_27004	OK	0.29531	0.32344	0.131301	0.8733
SRFBP1	HGC_27con	HGC_27004	OK	4.76102	5.21497	0.131389	0.7076
MRGBP	HGC_27con	HGC_27004	OK	18.2376	19.9783	0.131515	0.6683
PTPN23	HGC_27con	HGC_27004	OK	9.80224	10.7378	0.131521	0.647
PDE6G	HGC_27con	HGC_27004	NOTEST	0.27828	0.30485	0.131566	1
GOLGA3	HGC_27con	HGC_27004	OK	7.11559	7.79529	0.13162	0.6307
TMEM150C	HGC_27con	HGC_27004	NOTEST	0.18389	0.20146	0.131629	1
EFR3B	HGC_27con	HGC_27004	OK	1.48702	1.62909	0.131636	0.7296
M6PR	HGC_27con	HGC_27004	OK	37.4516	41.0296	0.131638	0.6729
RGMB	HGC_27con	HGC_27004	OK	8.92638	9.77926	0.13165	0.6668
ATR	HGC_27con	HGC_27004	OK	2.70732	2.96606	0.131685	0.6761
TTC9C	HGC_27con	HGC_27004	OK	21.1484	23.1714	0.131795	0.6887
SAPCD2	HGC_27con	HGC_27004	OK	21.6204	23.6889	0.131816	0.6283
KIF15	HGC_27con	HGC_27004	OK	4.16618	4.56478	0.131821	0.6692
SGMS1	HGC_27con	HGC_27004	OK	5.64244	6.18275	0.131929	0.6767
STK33	HGC_27con	HGC_27004	OK	2.82209	3.09288	0.13219	0.7361
ATE1	HGC_27con	HGC_27004	OK	6.31125	6.91717	0.132254	0.6579
UBE2G1	HGC_27con	HGC_27004	OK	17.2607	18.9184	0.132295	0.6364
LINC00963	HGC_27con	HGC_27004	OK	26.359	28.8904	0.132297	0.6409
CEP126	HGC_27con	HGC_27004	OK	0.62791	0.68822	0.132311	0.7755
PMFBP1	HGC_27con	HGC_27004	OK	0.30411	0.33334	0.132417	0.8329
DROSHA	HGC_27con	HGC_27004	OK	12.2743	13.4543	0.132423	0.6118
CEND1	HGC_27con	HGC_27004	OK	0.6262	0.68647	0.132566	0.8561
FCF1	HGC_27con	HGC_27004	OK	24.322	26.6631	0.132582	0.6261
METTL3	HGC_27con	HGC_27004	OK	19.2335	21.0861	0.132672	0.7467
PDPK1	HGC_27con	HGC_27004	OK	8.40824	9.21868	0.132757	0.6262
RPF1	HGC_27con	HGC_27004	OK	21.8344	23.9403	0.132835	0.7635
SETD5	HGC_27con	HGC_27004	OK	18.8972	20.7201	0.132859	0.6082
TMEM81	HGC_27con	HGC_27004	OK	2.195	2.40692	0.132966	0.8121
NVL	HGC_27con	HGC_27004	OK	9.25179	10.1456	0.133056	0.6494
MRPS22	HGC_27con	HGC_27004	OK	21.954	24.0759	0.133106	0.6711
DTX3L	HGC_27con	HGC_27004	OK	1.5614	1.71235	0.133133	0.7509
JADE1	HGC_27con	HGC_27004	OK	8.34626	9.15322	0.13315	0.6465
LOXL3	HGC_27con	HGC_27004	OK	3.9721	4.35625	0.133183	0.8845
EIF4EBP1	HGC_27con	HGC_27004	OK	186.585	204.631	0.133189	0.6121
NUTF2	HGC_27con	HGC_27004	OK	108.326	118.807	0.13324	0.7086
CCNJL	HGC_27con	HGC_27004	OK	2.16607	2.37598	0.133443	0.7591
BIRC6	HGC_27con	HGC_27004	OK	4.54023	4.98044	0.133507	0.6116
ACTR3	HGC_27con	HGC_27004	OK	29.8296	32.7235	0.133582	0.5983
CABP1	HGC_27con	HGC_27004	NOTEST	0.02641	0.02898	0.133596	1
GET4	HGC_27con	HGC_27004	OK	30.2279	33.1619	0.133648	0.6466
PRC1	HGC_27con	HGC_27004	OK	34.2033	37.5238	0.133672	0.6312
PREX2	HGC_27con	HGC_27004	OK	2.45901	2.69784	0.133727	0.6955
EP400	HGC_27con	HGC_27004	OK	5.86051	6.42993	0.133778	0.6222

ZNF607	HGC_27con	HGC_27004	OK	1.63482	1.79367	0.133778	0.7416
KIAA1147	HGC_27con	HGC_27004	OK	4.01521	4.40561	0.133865	0.6538
EIF2B1	HGC_27con	HGC_27004	OK	17.6659	19.3836	0.133869	0.7489
RUVBL1	HGC_27con	HGC_27004	OK	34.6026	37.9673	0.133879	0.6234
ASCC1	HGC_27con	HGC_27004	OK	16.507	18.1125	0.133908	0.776
COX7B	HGC_27con	HGC_27004	OK	419.467	460.276	0.13394	0.6172
ENTPD4	HGC_27con	HGC_27004	OK	8.18415	8.9804	0.133947	0.6307
CCSER2	HGC_27con	HGC_27004	OK	7.68101	8.42833	0.133951	0.634
GPALPP1	HGC_27con	HGC_27004	OK	8.7199	9.5687	0.134011	0.6929
MPZL3	HGC_27con	HGC_27004	OK	0.47411	0.52026	0.134018	0.8438
CYP51A1	HGC_27con	HGC_27004	OK	16.6737	18.2974	0.134067	0.6365
CBX2	HGC_27con	HGC_27004	OK	21.8036	23.9281	0.134141	0.6203
CLDND1	HGC_27con	HGC_27004	OK	15.1548	16.6322	0.1342	0.6563
SLITRK6	HGC_27con	HGC_27004	OK	21.2006	23.268	0.134242	0.6232
PRPS1	HGC_27con	HGC_27004	OK	28.6385	31.4318	0.134269	0.6248
KLHL7	HGC_27con	HGC_27004	OK	20.2468	22.2243	0.134443	0.7014
HLCS	HGC_27con	HGC_27004	OK	9.77526	10.7301	0.134457	0.618
LINC01336	HGC_27con	HGC_27004	OK	0.60777	0.66715	0.134471	0.8981
KLHL12	HGC_27con	HGC_27004	OK	14.5098	15.9274	0.134489	0.6317
SLC35B1	HGC_27con	HGC_27004	OK	45.5371	49.9876	0.134528	0.6249
PRKAA1	HGC_27con	HGC_27004	OK	18.0475	19.8115	0.13454	0.6153
TSR3	HGC_27con	HGC_27004	OK	42.9041	47.0986	0.134566	0.6572
SHTN1	HGC_27con	HGC_27004	OK	4.14516	4.55041	0.134571	0.68
THOC3	HGC_27con	HGC_27004	OK	11.4381	12.5572	0.134668	0.6939
STX18	HGC_27con	HGC_27004	OK	7.33622	8.05424	0.134713	0.7132
IRF2BP2	HGC_27con	HGC_27004	OK	27.4906	30.1817	0.134735	0.6034
NUCB2	HGC_27con	HGC_27004	OK	38.0467	41.773	0.1348	0.6165
MTMR11	HGC_27con	HGC_27004	OK	3.22269	3.53834	0.134805	0.7376
KLHL7-AS1	HGC_27con	HGC_27004	NOTEST	0.23703	0.26028	0.135024	1
STUB1	HGC_27con	HGC_27004	OK	35.8333	39.3495	0.135045	0.7315
ASXL2	HGC_27con	HGC_27004	OK	4.54433	4.9912	0.135319	0.6422
UBE2D1	HGC_27con	HGC_27004	OK	8.39231	9.21758	0.13532	0.6845
ZNF595	HGC_27con	HGC_27004	OK	6.4557	7.0906	0.135336	0.7361
SLMO2	HGC_27con	HGC_27004	OK	33.1772	36.4417	0.1354	0.7483
LOC101409256	HGC_27con	HGC_27004	NOTEST	0.25345	0.27843	0.135579	1
PYGL	HGC_27con	HGC_27004	OK	39.1615	43.0214	0.135619	0.6012
ZNF252P	HGC_27con	HGC_27004	OK	2.59854	2.85476	0.13567	0.6885
LOC654342	HGC_27con	HGC_27004	OK	3.72471	4.09206	0.135699	0.8263
MEA1	HGC_27con	HGC_27004	OK	29.7905	32.7292	0.135724	0.7662
ZNF563	HGC_27con	HGC_27004	OK	0.53879	0.59196	0.135774	0.8239
C9orf172	HGC_27con	HGC_27004	OK	5.00544	5.49953	0.13581	0.7659
JOSD1	HGC_27con	HGC_27004	OK	21.932	24.098	0.13588	0.6144
ICT1	HGC_27con	HGC_27004	OK	29.2607	32.1524	0.135961	0.6618
DBP	HGC_27con	HGC_27004	OK	35.1873	38.6651	0.135976	0.6383
RBM17	HGC_27con	HGC_27004	OK	21.872	24.0338	0.135981	0.6121
ACBD6	HGC_27con	HGC_27004	OK	43.1613	47.4304	0.136075	0.6179
PLEKHO1	HGC_27con	HGC_27004	OK	13.8817	15.2552	0.136109	0.638
LSM3	HGC_27con	HGC_27004	OK	50.831	55.8606	0.136123	0.6393
FAM184A	HGC_27con	HGC_27004	NOTEST	0.04496	0.04941	0.136124	1
PPP2R1B	HGC_27con	HGC_27004	OK	12.0583	13.2532	0.136319	0.7214
ZSCAN21	HGC_27con	HGC_27004	OK	1.36671	1.50219	0.136357	0.904
TCF20	HGC_27con	HGC_27004	OK	7.94432	8.73186	0.136366	0.6139
AHSA1	HGC_27con	HGC_27004	OK	53.107	58.3733	0.136406	0.6131
PRRC2C	HGC_27con	HGC_27004	OK	14.6565	16.1102	0.136442	0.6016

SMIM14	HGC_27con	HGC_27004	OK	5.62751	6.1858	0.136462	0.7532
MFSD8	HGC_27con	HGC_27004	OK	2.3352	2.56688	0.136472	0.7399
KBTBD2	HGC_27con	HGC_27004	OK	13.0918	14.3907	0.136475	0.6367
ME2	HGC_27con	HGC_27004	OK	14.8297	16.3028	0.136635	0.6133
NOM1	HGC_27con	HGC_27004	OK	7.62933	8.38729	0.136648	0.6239
RASGRP2	HGC_27con	HGC_27004	OK	1.05954	1.1648	0.136653	0.8227
CLGN	HGC_27con	HGC_27004	OK	5.95338	6.54493	0.136669	0.6537
NIN	HGC_27con	HGC_27004	OK	9.30118	10.2256	0.136705	0.6119
EXOSC8	HGC_27con	HGC_27004	OK	55.5933	61.1225	0.136793	0.6709
TLDC1	HGC_27con	HGC_27004	OK	3.07634	3.38233	0.136805	0.6951
HOXA2	HGC_27con	HGC_27004	OK	0.40621	0.44668	0.137006	0.867
SOX12	HGC_27con	HGC_27004	OK	46.386	51.0078	0.137027	0.5978
ZNF526	HGC_27con	HGC_27004	OK	3.12545	3.43689	0.13704	0.7061
NAT10	HGC_27con	HGC_27004	OK	16.9165	18.6043	0.137208	0.6071
SATB1	HGC_27con	HGC_27004	OK	2.2023	2.42223	0.137325	0.7095
PGP	HGC_27con	HGC_27004	OK	18.4938	20.3409	0.137343	0.6319
CLCN5	HGC_27con	HGC_27004	OK	3.97648	4.37383	0.137407	0.6547
PLRG1	HGC_27con	HGC_27004	OK	20.8044	22.8835	0.137419	0.6101
TCTN2	HGC_27con	HGC_27004	OK	2.18102	2.39899	0.137425	0.7638
WDR4	HGC_27con	HGC_27004	OK	19.7543	21.7287	0.137437	0.6568
COLGALT1	HGC_27con	HGC_27004	OK	49.3713	54.3063	0.137448	0.6014
SBF2	HGC_27con	HGC_27004	OK	6.51539	7.16679	0.137476	0.6254
CUL4A	HGC_27con	HGC_27004	OK	15.6446	17.209	0.137493	0.6716
C19orf68	HGC_27con	HGC_27004	OK	2.09627	2.30604	0.137591	0.7223
PPEF1	HGC_27con	HGC_27004	OK	1.13617	1.24988	0.137615	0.7889
TMEM126A	HGC_27con	HGC_27004	OK	28.912	31.8062	0.137639	0.6842
METTL23	HGC_27con	HGC_27004	OK	34.311	37.746	0.13765	0.6696
ENO1-AS1	HGC_27con	HGC_27004	OK	1.55466	1.7103	0.137654	0.9487
SUV420H2	HGC_27con	HGC_27004	OK	5.68391	6.25356	0.137793	0.7153
MAPK1	HGC_27con	HGC_27004	OK	29.2338	32.1653	0.137869	0.6337
UBN1	HGC_27con	HGC_27004	OK	5.87301	6.46211	0.137903	0.6344
RAD54B	HGC_27con	HGC_27004	OK	6.41665	7.06037	0.137924	0.6976
ZNF572	HGC_27con	HGC_27004	OK	6.86293	7.55152	0.137943	0.6588
SNHG4	HGC_27con	HGC_27004	OK	17.831	19.6201	0.137948	0.9423
SLC30A5	HGC_27con	HGC_27004	OK	25.4701	28.0266	0.137993	0.6665
TFB1M	HGC_27con	HGC_27004	OK	3.7371	4.11258	0.138126	0.7305
SLC2A1	HGC_27con	HGC_27004	OK	15.3564	16.9	0.138184	0.6309
FLCN	HGC_27con	HGC_27004	OK	18.2479	20.0831	0.138246	0.6338
LITAF	HGC_27con	HGC_27004	OK	30.7124	33.8016	0.138273	0.6199
DNAJC25	HGC_27con	HGC_27004	OK	6.83026	7.51737	0.138288	0.8276
TRAF5	HGC_27con	HGC_27004	OK	4.20658	4.62982	0.138311	0.6772
TMEM47	HGC_27con	HGC_27004	OK	10.4538	11.5058	0.138344	0.6426
PGM3	HGC_27con	HGC_27004	OK	11.3158	12.4548	0.138358	0.6775
C14orf166	HGC_27con	HGC_27004	OK	117.838	129.701	0.138388	0.6031
CIRH1A	HGC_27con	HGC_27004	OK	38.2926	42.1497	0.138456	0.608
KCNN3	HGC_27con	HGC_27004	NOTEST	0.03115	0.03429	0.138457	1
N4BP2L2-IT2	HGC_27con	HGC_27004	OK	0.71899	0.79143	0.138491	0.9097
RPL7L1	HGC_27con	HGC_27004	OK	61.5595	67.7619	0.138494	0.6127
NR1D2	HGC_27con	HGC_27004	OK	18.6269	20.5042	0.138529	0.6099
AGO1	HGC_27con	HGC_27004	OK	3.72159	4.09669	0.138539	0.6486
BLOC1S2	HGC_27con	HGC_27004	OK	17.9618	19.7726	0.138574	0.6301
ALAS1	HGC_27con	HGC_27004	OK	12.6749	13.9528	0.138577	0.6506
PPP6C	HGC_27con	HGC_27004	OK	17.0503	18.7715	0.138748	0.6266
TBC1D24	HGC_27con	HGC_27004	OK	6.91078	7.60885	0.13883	0.6299

FAM135A	HGC_27con	HGC_27004	OK	2.42945	2.6749	0.138856	0.6877
EPC2	HGC_27con	HGC_27004	OK	4.63004	5.09793	0.138888	0.6757
CTSA	HGC_27con	HGC_27004	OK	21.6043	23.7885	0.138943	0.8046
SMCR8	HGC_27con	HGC_27004	OK	5.2447	5.77517	0.139003	0.7069
NAV1	HGC_27con	HGC_27004	OK	2.99604	3.29927	0.139093	0.803
C1orf131	HGC_27con	HGC_27004	OK	11.6099	12.7852	0.139114	0.8057
FSBP	HGC_27con	HGC_27004	OK	1.99073	2.19243	0.139232	0.802
ZNF468	HGC_27con	HGC_27004	OK	1.69926	1.87164	0.139391	0.7402
JARID2	HGC_27con	HGC_27004	OK	3.73201	4.11094	0.139515	0.6517
MSTO1	HGC_27con	HGC_27004	OK	9.41508	10.3711	0.139528	0.6579
NDE1	HGC_27con	HGC_27004	OK	5.2018	5.73009	0.139545	0.6825
PDDC1	HGC_27con	HGC_27004	OK	12.1733	13.4102	0.139609	0.6232
MAT2B	HGC_27con	HGC_27004	OK	29.5781	32.5837	0.139622	0.6041
LRRC57	HGC_27con	HGC_27004	OK	6.73253	7.41669	0.139626	0.6878
GRK6	HGC_27con	HGC_27004	OK	22.4326	24.7139	0.139726	0.6858
COPS2	HGC_27con	HGC_27004	OK	19.3088	21.2737	0.139808	0.5934
TMBIM6	HGC_27con	HGC_27004	OK	136.896	150.831	0.139848	0.5792
CUL4B	HGC_27con	HGC_27004	OK	17.3948	19.1664	0.139927	0.6037
RAB23	HGC_27con	HGC_27004	OK	11.5506	12.7272	0.13995	0.6223
HSPE1	HGC_27con	HGC_27004	OK	142.787	157.348	0.140094	0.8789
GAPVD1	HGC_27con	HGC_27004	OK	9.41719	10.3783	0.140205	0.6098
C1GALT1	HGC_27con	HGC_27004	OK	7.18158	7.91504	0.140294	0.6332
GNL3	HGC_27con	HGC_27004	OK	41.7063	45.9677	0.140356	0.683
IFRD1	HGC_27con	HGC_27004	OK	33.4458	36.8636	0.140372	0.5931
LUC7L2	HGC_27con	HGC_27004	OK	16.7379	18.4491	0.140436	0.712
PCBP1-AS1	HGC_27con	HGC_27004	OK	3.01623	3.32462	0.140441	0.7419
CDKN2AIP	HGC_27con	HGC_27004	OK	7.60041	8.37765	0.140467	0.6778
AIDA	HGC_27con	HGC_27004	OK	27.4749	30.2871	0.140587	0.6132
TMEM221	HGC_27con	HGC_27004	OK	0.65008	0.71662	0.140596	0.8519
RHBDL2	HGC_27con	HGC_27004	OK	0.33104	0.36495	0.140673	0.85
TMEM87A	HGC_27con	HGC_27004	OK	14.4852	15.9693	0.140724	0.6148
MUT	HGC_27con	HGC_27004	OK	11.0753	12.2102	0.140743	0.6275
RHOG	HGC_27con	HGC_27004	OK	24.856	27.4038	0.140783	0.6594
ARL8A	HGC_27con	HGC_27004	OK	10.0919	11.1264	0.140792	0.6764
ING5	HGC_27con	HGC_27004	OK	5.02921	5.54523	0.140916	0.6533
RELL2	HGC_27con	HGC_27004	OK	1.30805	1.44226	0.140921	0.8072
COX7C	HGC_27con	HGC_27004	OK	1007.32	1110.73	0.140992	0.5838
MRPS18B	HGC_27con	HGC_27004	OK	60.4333	66.6392	0.141027	0.607
WBP4	HGC_27con	HGC_27004	OK	6.21254	6.8521	0.141362	0.669
RNF150	HGC_27con	HGC_27004	OK	6.78239	7.48109	0.141454	0.6379
ARMC1	HGC_27con	HGC_27004	OK	21.9852	24.2509	0.141501	0.6071
ZNF582	HGC_27con	HGC_27004	OK	0.67381	0.74338	0.14175	0.8241
FAM76A	HGC_27con	HGC_27004	OK	2.00606	2.2132	0.141773	0.7392
TET1	HGC_27con	HGC_27004	OK	2.72289	3.00414	0.141815	0.654
CEPT1	HGC_27con	HGC_27004	OK	13.2438	14.612	0.14183	0.7268
TRMT61B	HGC_27con	HGC_27004	OK	11.2949	12.4632	0.141996	0.6575
KANSL1	HGC_27con	HGC_27004	OK	8.05554	8.88873	0.141997	0.6314
ARHGDI1A	HGC_27con	HGC_27004	OK	110.323	121.735	0.142011	0.5828
STRADB	HGC_27con	HGC_27004	OK	15.7131	17.3385	0.142017	0.628
KCNN2	HGC_27con	HGC_27004	NOTEST	0.04341	0.0479	0.142024	1
SEC23A	HGC_27con	HGC_27004	OK	28.1224	31.0323	0.14205	0.5987
ST13	HGC_27con	HGC_27004	OK	64.6416	71.3308	0.142062	0.5795
SH3BP2	HGC_27con	HGC_27004	OK	3.06968	3.38736	0.142074	0.6469
GRM1	HGC_27con	HGC_27004	NOTEST	0.07133	0.07871	0.142074	1

C11orf58	HGC_27con	HGC_27004	OK	40.3177	44.4911	0.142103	0.5887
C2CD5	HGC_27con	HGC_27004	OK	8.39129	9.26006	0.142129	0.6219
ARPC5L	HGC_27con	HGC_27004	OK	28.0033	30.9036	0.142176	0.6593
LINC01554	HGC_27con	HGC_27004	NOTEST	0.12713	0.14029	0.142184	1
GOSR2	HGC_27con	HGC_27004	OK	12.4339	13.7222	0.142234	0.632
KDM3A	HGC_27con	HGC_27004	OK	15.8201	17.4608	0.142357	0.5997
MDH2	HGC_27con	HGC_27004	OK	186.897	206.292	0.142449	0.5853
SNORA18	HGC_27con	HGC_27004	OK	65.8019	72.6319	0.142475	0.8885
LNX2	HGC_27con	HGC_27004	OK	3.37682	3.72757	0.14257	0.6838
CCNI	HGC_27con	HGC_27004	OK	190.308	210.082	0.142616	0.5809
KCTD3	HGC_27con	HGC_27004	OK	14.7271	16.2588	0.142743	0.6138
SUV420H1	HGC_27con	HGC_27004	OK	8.51157	9.39692	0.142762	0.6411
C14orf2	HGC_27con	HGC_27004	OK	228.995	252.832	0.142865	0.5922
HPS3	HGC_27con	HGC_27004	OK	4.13852	4.56937	0.142879	0.6911
TMUB1	HGC_27con	HGC_27004	OK	64.7938	71.5404	0.142902	0.6099
FAM3C	HGC_27con	HGC_27004	OK	16.855	18.6103	0.142927	0.6101
ZMYM4	HGC_27con	HGC_27004	OK	12.8886	14.2309	0.142936	0.5897
RAD23B	HGC_27con	HGC_27004	OK	73.6895	81.3657	0.142962	0.5753
NUF2	HGC_27con	HGC_27004	OK	13.7587	15.1921	0.142976	0.6304
KLHDC1	HGC_27con	HGC_27004	OK	0.45607	0.5036	0.143026	0.8368
NKRF	HGC_27con	HGC_27004	OK	9.36643	10.3429	0.143071	0.6257
TRIM33	HGC_27con	HGC_27004	OK	7.57113	8.3607	0.143116	0.5988
ZNF24	HGC_27con	HGC_27004	OK	13.9842	15.4426	0.14312	0.5915
UBR4	HGC_27con	HGC_27004	OK	14.1093	15.5808	0.143123	0.5885
OLIG2	HGC_27con	HGC_27004	OK	1.21947	1.34678	0.143258	0.817
LRRC10B	HGC_27con	HGC_27004	OK	0.4249	0.46926	0.143262	0.8565
NBEA	HGC_27con	HGC_27004	OK	5.8631	6.47528	0.143279	0.8232
NSMCE2	HGC_27con	HGC_27004	OK	166.759	184.173	0.143297	0.5765
DGCR8	HGC_27con	HGC_27004	OK	8.98702	9.9256	0.143312	0.7989
KLC1	HGC_27con	HGC_27004	OK	31.3255	34.5975	0.14333	0.6662
BNIP2	HGC_27con	HGC_27004	OK	15.0081	16.5774	0.143478	0.6227
MED28	HGC_27con	HGC_27004	OK	14.7719	16.3166	0.143484	0.6455
DDIAS	HGC_27con	HGC_27004	OK	3.81983	4.21929	0.14349	0.6876
TTI2	HGC_27con	HGC_27004	OK	8.78731	9.70674	0.143565	0.7363
DR1	HGC_27con	HGC_27004	OK	25.0515	27.673	0.143583	0.6037
CHAMP1	HGC_27con	HGC_27004	OK	12.5322	13.8436	0.143584	0.6129
FAM13C	HGC_27con	HGC_27004	OK	0.62285	0.68803	0.143589	0.8107
ALG1L	HGC_27con	HGC_27004	OK	1.21705	1.34446	0.143646	0.9123
HECTD1	HGC_27con	HGC_27004	OK	14.5078	16.0269	0.14367	0.59
ZNF451	HGC_27con	HGC_27004	OK	8.707	9.61907	0.143721	0.611
RRAS2	HGC_27con	HGC_27004	OK	14.6355	16.1692	0.143782	0.6353
SLC25A22	HGC_27con	HGC_27004	OK	20.6165	22.778	0.143839	0.6781
CPE	HGC_27con	HGC_27004	OK	107.878	119.191	0.143864	0.5727
PTPRG	HGC_27con	HGC_27004	OK	6.4645	7.14238	0.143866	0.6121
ZMYND19	HGC_27con	HGC_27004	OK	16.4325	18.1585	0.144092	0.6585
ABHD17C	HGC_27con	HGC_27004	OK	6.34	7.00612	0.144133	0.7147
ARF3	HGC_27con	HGC_27004	OK	59.5426	65.7988	0.144138	0.574
LMBR1	HGC_27con	HGC_27004	OK	18.9312	20.9207	0.144164	0.6022
TROAP	HGC_27con	HGC_27004	OK	29.0333	32.0852	0.144199	0.7712
LAYN	HGC_27con	HGC_27004	OK	1.36413	1.50753	0.144209	0.7773
AGL	HGC_27con	HGC_27004	OK	10.161	11.2297	0.144282	0.5944
CPSF3	HGC_27con	HGC_27004	OK	25.2713	27.9305	0.144345	0.5994
TRAPPC2	HGC_27con	HGC_27004	OK	4.67602	5.16865	0.144506	0.6992
TGFBRAP1	HGC_27con	HGC_27004	OK	5.52595	6.10828	0.144543	0.6269

SMARCB1	HGC_27con	HGC_27004	OK	46.8959	51.8381	0.144551	0.5888
ENDOV	HGC_27con	HGC_27004	OK	9.27814	10.2563	0.144601	0.881
SMTN	HGC_27con	HGC_27004	OK	5.56151	6.14791	0.144619	0.6619
PTDSS1	HGC_27con	HGC_27004	OK	44.5977	49.3006	0.144637	0.5813
LOC339975	HGC_27con	HGC_27004	OK	0.62824	0.69452	0.144703	0.8075
CARHSP1	HGC_27con	HGC_27004	OK	18.87	20.8615	0.144753	0.6077
NARS2	HGC_27con	HGC_27004	OK	9.64966	10.6683	0.144786	0.6517
TMEM242	HGC_27con	HGC_27004	OK	1.50064	1.65912	0.144838	0.7195
DDX18	HGC_27con	HGC_27004	OK	26.5316	29.3354	0.14493	0.59
PSMC1	HGC_27con	HGC_27004	OK	67.4137	74.5431	0.145033	0.5761
IER5	HGC_27con	HGC_27004	OK	15.553	17.1988	0.14511	0.6329
SMIM19	HGC_27con	HGC_27004	OK	34.3851	38.0239	0.145125	0.7134
MPP5	HGC_27con	HGC_27004	OK	7.41953	8.20482	0.145145	0.6072
KLHL9	HGC_27con	HGC_27004	OK	12.9417	14.3116	0.145153	0.6046
TARBP1	HGC_27con	HGC_27004	OK	15.4519	17.0876	0.145161	0.5966
C6orf1	HGC_27con	HGC_27004	OK	13.6876	15.1375	0.145259	0.714
WDR82	HGC_27con	HGC_27004	OK	25.1853	27.8539	0.145294	0.5953
LDHB	HGC_27con	HGC_27004	OK	659.255	729.123	0.145325	0.5694
LOC100272216	HGC_27con	HGC_27004	NOTEST	0.24326	0.26907	0.145475	1
CHCHD6	HGC_27con	HGC_27004	OK	8.3132	9.19543	0.145513	0.7092
IQCC	HGC_27con	HGC_27004	OK	1.04314	1.15386	0.145541	0.7857
AMZ2	HGC_27con	HGC_27004	OK	28.7223	31.7724	0.145602	0.6113
BTF3L4	HGC_27con	HGC_27004	OK	24.542	27.1486	0.145623	0.5941
FOXK2	HGC_27con	HGC_27004	OK	17.5663	19.4327	0.145679	0.5932
HAGHL	HGC_27con	HGC_27004	OK	37.0574	40.9951	0.145691	0.623
RTEL1	HGC_27con	HGC_27004	OK	4.80865	5.31962	0.145691	0.7506
FIP1L1	HGC_27con	HGC_27004	OK	12.7144	14.0668	0.145829	0.6188
CPD	HGC_27con	HGC_27004	OK	12.2755	13.5819	0.1459	0.5762
PNPT1	HGC_27con	HGC_27004	OK	16.5201	18.2783	0.145909	0.5886
TM9SF3	HGC_27con	HGC_27004	OK	28.031	31.0159	0.145986	0.574
SRRT	HGC_27con	HGC_27004	OK	30.5453	33.7982	0.145995	0.5818
PEX11B	HGC_27con	HGC_27004	OK	15.5958	17.2574	0.14606	0.9118
UMPS	HGC_27con	HGC_27004	OK	4.54065	5.02495	0.14621	0.6243
RAD54L2	HGC_27con	HGC_27004	OK	2.30787	2.55409	0.146251	0.6911
NUP210	HGC_27con	HGC_27004	OK	33.5047	37.0795	0.146261	0.5726
STK32B	HGC_27con	HGC_27004	OK	0.98884	1.09435	0.146264	0.785
UBR7	HGC_27con	HGC_27004	OK	17.6079	19.4869	0.146279	0.6159
RBM19	HGC_27con	HGC_27004	OK	3.15281	3.48936	0.146326	0.6552
PRDM10	HGC_27con	HGC_27004	OK	1.10181	1.21944	0.146342	0.735
GNS	HGC_27con	HGC_27004	OK	13.2397	14.6536	0.146384	0.5936
FXN	HGC_27con	HGC_27004	OK	6.55414	7.25413	0.146396	0.7891
PLBD2	HGC_27con	HGC_27004	OK	7.06282	7.81758	0.146477	0.6603
LINC01116	HGC_27con	HGC_27004	OK	0.63149	0.69899	0.146521	0.8619
CACNA2D1	HGC_27con	HGC_27004	OK	9.54977	10.571	0.146571	0.5913
ANAPC1	HGC_27con	HGC_27004	OK	14.0893	15.5961	0.146587	0.5762
SRSF7	HGC_27con	HGC_27004	OK	54.1874	59.9827	0.146589	0.5729
NDUFAF5	HGC_27con	HGC_27004	OK	4.48327	4.963	0.146661	0.6997
YEATS2	HGC_27con	HGC_27004	OK	5.9516	6.58847	0.146664	0.6075
PIGH	HGC_27con	HGC_27004	OK	11.5912	12.8326	0.146787	0.7643
C17orf107	HGC_27con	HGC_27004	NOTEST	0.17725	0.19623	0.146793	1
GORAB	HGC_27con	HGC_27004	OK	7.18232	7.95195	0.146859	0.6498
FAM172A	HGC_27con	HGC_27004	OK	8.7495	9.68734	0.1469	0.7104
HELB	HGC_27con	HGC_27004	OK	0.5774	0.63929	0.146919	0.7982
TEX2	HGC_27con	HGC_27004	OK	4.75363	5.26328	0.146932	0.6245

MRPL16	HGC_27con	HGC_27004	OK	26.8139	29.6897	0.146984	0.6341
MCPH1-AS1	HGC_27con	HGC_27004	OK	0.31343	0.34705	0.146998	0.9138
SMC5	HGC_27con	HGC_27004	OK	5.94343	6.58149	0.147119	0.6125
UQCRC2	HGC_27con	HGC_27004	OK	86.9736	96.3228	0.147299	0.5724
METTL4	HGC_27con	HGC_27004	OK	7.91455	8.76562	0.147349	0.6346
TRIM7	HGC_27con	HGC_27004	OK	48.2923	53.487	0.147395	0.641
OTUD3	HGC_27con	HGC_27004	OK	3.23019	3.57822	0.14762	0.649
ARMCX5	HGC_27con	HGC_27004	OK	6.59433	7.30546	0.147749	0.7325
C8orf59	HGC_27con	HGC_27004	OK	25.6837	28.4536	0.147756	0.7057
RIC8A	HGC_27con	HGC_27004	OK	20.3068	22.4972	0.147784	0.6319
SASS6	HGC_27con	HGC_27004	OK	5.89102	6.52675	0.147847	0.6407
UCKL1-AS1	HGC_27con	HGC_27004	OK	0.75513	0.83663	0.14787	0.9065
UBQLN4	HGC_27con	HGC_27004	OK	31.1542	34.5206	0.14803	0.5748
MRPL11	HGC_27con	HGC_27004	OK	40.7159	45.1171	0.148081	0.593
VASH2	HGC_27con	HGC_27004	OK	2.18245	2.41843	0.148126	0.7172
RBM4B	HGC_27con	HGC_27004	OK	7.51844	8.33197	0.148224	0.8829
RGS10	HGC_27con	HGC_27004	OK	16.9327	18.7659	0.148301	0.6603
AP4B1-AS1	HGC_27con	HGC_27004	OK	0.53723	0.59539	0.148309	0.9374
LTA4H	HGC_27con	HGC_27004	OK	35.2529	39.0699	0.148313	0.5891
POLR2J3	HGC_27con	HGC_27004	OK	1.45664	1.61443	0.148383	0.8192
SAR1B	HGC_27con	HGC_27004	OK	8.39161	9.30098	0.148436	0.5923
LOC494141	HGC_27con	HGC_27004	OK	0.38373	0.42533	0.148495	0.845
ERBB3	HGC_27con	HGC_27004	OK	1.00645	1.11557	0.148513	0.7722
PRPSAP1	HGC_27con	HGC_27004	OK	35.0273	38.8256	0.148531	0.5891
PRCC	HGC_27con	HGC_27004	OK	30.4087	33.7082	0.148614	0.5987
HBS1L	HGC_27con	HGC_27004	OK	6.62974	7.35004	0.1488	0.6282
MTA1	HGC_27con	HGC_27004	OK	77.7955	86.2484	0.14881	0.5499
HOXB9	HGC_27con	HGC_27004	OK	11.3381	12.5717	0.148993	0.6238
KHNYN	HGC_27con	HGC_27004	OK	8.56648	9.49934	0.149125	0.6551
C22orf29	HGC_27con	HGC_27004	OK	6.47134	7.17651	0.149219	0.6139
RAB6A	HGC_27con	HGC_27004	OK	35.4059	39.2644	0.149231	0.5734
NPM1	HGC_27con	HGC_27004	OK	1207.59	1339.21	0.149254	0.5703
AKAP8	HGC_27con	HGC_27004	OK	11.3897	12.6314	0.149283	0.6053
CHST15	HGC_27con	HGC_27004	OK	3.61645	4.01079	0.149311	0.6698
PRMT3	HGC_27con	HGC_27004	OK	28.1853	31.2588	0.149317	0.5734
SAE1	HGC_27con	HGC_27004	OK	43.9248	48.7186	0.149439	0.5746
STON1	HGC_27con	HGC_27004	OK	3.43119	3.80572	0.149457	0.6498
TMEM254	HGC_27con	HGC_27004	OK	10.0208	11.1156	0.149587	0.6763
UCKL1	HGC_27con	HGC_27004	OK	17.8593	19.8106	0.149599	0.7482
KDELR3	HGC_27con	HGC_27004	OK	9.79928	10.8703	0.14964	0.9291
RRAGB	HGC_27con	HGC_27004	OK	7.21496	8.00358	0.149655	0.6635
RCOR3	HGC_27con	HGC_27004	OK	15.1498	16.8059	0.149668	0.6161
CDC42BPA	HGC_27con	HGC_27004	OK	7.37967	8.18644	0.14968	0.5743
LRGUK	HGC_27con	HGC_27004	NOTEST	0.11429	0.1268	0.149835	1
CBLB	HGC_27con	HGC_27004	OK	5.48174	6.08215	0.149945	0.635
CENPU	HGC_27con	HGC_27004	OK	9.16604	10.1701	0.14997	0.674
PARD6B	HGC_27con	HGC_27004	OK	1.13216	1.25631	0.150111	0.7641
GOLM1	HGC_27con	HGC_27004	OK	33.5301	37.2117	0.150298	0.57
PKIB	HGC_27con	HGC_27004	OK	14.8867	16.5227	0.150424	0.6296
ANKRD33B	HGC_27con	HGC_27004	OK	1.87853	2.08518	0.150571	0.6599
BCL2L2	HGC_27con	HGC_27004	OK	9.92144	11.0133	0.150629	0.7825
NHLRC2	HGC_27con	HGC_27004	OK	3.3502	3.71916	0.150731	0.6425
APH1A	HGC_27con	HGC_27004	OK	69.0035	76.6066	0.1508	0.5651
DICER1-AS1	HGC_27con	HGC_27004	OK	1.95271	2.1679	0.150815	0.9278

CFAP53	HGC_27con	HGC_27004	NOTEST	0.1055	0.11713	0.150897	1
HYPK	HGC_27con	HGC_27004	OK	22.5179	25.0033	0.151042	0.907
ARRDC4	HGC_27con	HGC_27004	OK	2.8079	3.11785	0.151061	0.6876
AFAP1L1	HGC_27con	HGC_27004	NOTEST	0.22544	0.25033	0.151094	1
POLH	HGC_27con	HGC_27004	OK	4.18715	4.64969	0.151164	0.717
ARHGAP39	HGC_27con	HGC_27004	OK	2.59785	2.88511	0.151306	0.7047
CMPK1	HGC_27con	HGC_27004	OK	34.356	38.1554	0.151326	0.5641
PSMD6	HGC_27con	HGC_27004	OK	26.2125	29.1122	0.151369	0.607
SOCS6	HGC_27con	HGC_27004	OK	2.22208	2.46799	0.151425	0.6779
TRAP1	HGC_27con	HGC_27004	OK	129.822	144.193	0.151457	0.5583
GLCE	HGC_27con	HGC_27004	OK	6.74798	7.49511	0.151494	0.6088
PANK4	HGC_27con	HGC_27004	OK	6.37497	7.0814	0.151617	0.6648
MANEAL	HGC_27con	HGC_27004	OK	5.82439	6.47003	0.151666	0.6673
RAB2A	HGC_27con	HGC_27004	OK	32.4071	36.0015	0.151749	0.5661
ARRDC3	HGC_27con	HGC_27004	OK	3.86653	4.29567	0.151845	0.6627
TMEM59L	HGC_27con	HGC_27004	OK	1.15504	1.28325	0.151866	0.8312
CMC2	HGC_27con	HGC_27004	OK	44.5775	49.5278	0.151923	0.7709
FAR2	HGC_27con	HGC_27004	OK	4.11263	4.56943	0.151953	0.6648
LINC01194	HGC_27con	HGC_27004	OK	2.21318	2.45904	0.151978	0.8369
NPTN	HGC_27con	HGC_27004	OK	21.8545	24.2857	0.152178	0.6033
CCDC117	HGC_27con	HGC_27004	OK	7.59067	8.43522	0.152199	0.6214
EHBP1	HGC_27con	HGC_27004	OK	12.3297	13.7018	0.152231	0.5798
PIK3R2	HGC_27con	HGC_27004	OK	156.864	174.329	0.152295	0.5525
ZFP69B	HGC_27con	HGC_27004	OK	3.88827	4.32144	0.152384	0.6946
SPACA6P	HGC_27con	HGC_27004	OK	0.84588	0.94019	0.1525	0.7899
KCTD2	HGC_27con	HGC_27004	OK	7.83609	8.71019	0.152569	0.8098
ZBTB10	HGC_27con	HGC_27004	OK	3.35982	3.73469	0.152606	0.6059
SNRPG	HGC_27con	HGC_27004	OK	146.779	163.176	0.15278	0.5818
POMP	HGC_27con	HGC_27004	OK	47.6929	53.0256	0.152912	0.5796
ECD	HGC_27con	HGC_27004	OK	15.9108	17.6908	0.152992	0.602
DCP1A	HGC_27con	HGC_27004	OK	5.53383	6.15335	0.153094	0.6037
AMFR	HGC_27con	HGC_27004	OK	20.8016	23.1304	0.153101	0.579
DUT	HGC_27con	HGC_27004	OK	51.4571	57.2238	0.153245	0.5679
PRRC2B	HGC_27con	HGC_27004	OK	22.1812	24.6694	0.153387	0.5416
GPX4	HGC_27con	HGC_27004	OK	296.214	329.446	0.153402	0.5529
ALKBH5	HGC_27con	HGC_27004	OK	31.3031	34.8154	0.15342	0.5782
CEP350	HGC_27con	HGC_27004	OK	4.1688	4.63687	0.153519	0.5772
C1orf174	HGC_27con	HGC_27004	OK	15.6682	17.4285	0.153611	0.6273
SIM2	HGC_27con	HGC_27004	OK	2.76298	3.07341	0.153614	0.7012
ATXN3	HGC_27con	HGC_27004	OK	4.31472	4.79953	0.153627	0.6104
RPS6KB2	HGC_27con	HGC_27004	OK	16.5784	18.4428	0.153752	0.6238
RASAL2-AS1	HGC_27con	HGC_27004	OK	0.3238	0.36023	0.153815	0.2031
ATL2	HGC_27con	HGC_27004	OK	27.1283	30.1814	0.153865	0.5716
VPRBP	HGC_27con	HGC_27004	OK	6.20374	6.9024	0.153959	0.7046
CARM1	HGC_27con	HGC_27004	OK	59.161	65.8249	0.153987	0.6117
ABL2	HGC_27con	HGC_27004	OK	3.70362	4.12096	0.154045	0.5837
SCFD1	HGC_27con	HGC_27004	OK	28.4618	31.6712	0.154144	0.5785
NXPH4	HGC_27con	HGC_27004	OK	49.7063	55.3134	0.1542	0.5869
ZNF681	HGC_27con	HGC_27004	OK	0.32281	0.35922	0.154209	0.8034
TIMM22	HGC_27con	HGC_27004	OK	14.559	16.2015	0.15421	0.6414
ALG6	HGC_27con	HGC_27004	OK	7.88582	8.77671	0.154419	0.6388
F12	HGC_27con	HGC_27004	OK	27.3844	30.4801	0.154509	0.602
ATP5F1	HGC_27con	HGC_27004	OK	113.525	126.361	0.154539	0.5793
FBXL3	HGC_27con	HGC_27004	OK	9.23979	10.2849	0.154594	0.6087

STK40	HGC_27con	HGC_27004	OK	28.5935	31.8277	0.154598	0.5644
MED26	HGC_27con	HGC_27004	OK	4.89568	5.44954	0.154625	0.6703
DOCK1	HGC_27con	HGC_27004	OK	7.25107	8.07141	0.154628	0.5785
GEN1	HGC_27con	HGC_27004	OK	4.14241	4.61106	0.154629	0.6022
MCM3	HGC_27con	HGC_27004	OK	42.0305	46.7866	0.154659	0.5467
RTF1	HGC_27con	HGC_27004	OK	10.9805	12.2238	0.154751	0.5717
MCM5	HGC_27con	HGC_27004	OK	43.0435	47.9177	0.154766	0.5616
DNAJC10	HGC_27con	HGC_27004	OK	30.9559	34.4647	0.154907	0.5523
N4BP2	HGC_27con	HGC_27004	OK	3.14868	3.50564	0.15493	0.5977
INTS6	HGC_27con	HGC_27004	OK	8.65074	9.63146	0.154932	0.6198
MAPK7	HGC_27con	HGC_27004	OK	14.5813	16.2352	0.155013	0.8278
C2orf68	HGC_27con	HGC_27004	OK	17.199	19.15	0.155024	0.7133
GCFC2	HGC_27con	HGC_27004	OK	16.444	18.3097	0.155046	0.6702
AP5M1	HGC_27con	HGC_27004	OK	13.244	14.7468	0.155064	0.7646
ZNF318	HGC_27con	HGC_27004	OK	6.43557	7.16622	0.155145	0.5725
STRIP1	HGC_27con	HGC_27004	OK	9.5947	10.6843	0.155189	0.5984
HMGXB4	HGC_27con	HGC_27004	OK	10.3766	11.5553	0.155215	0.579
PROSER3	HGC_27con	HGC_27004	OK	8.42371	9.38077	0.155251	0.655
MKLN1	HGC_27con	HGC_27004	OK	8.61141	9.58984	0.155256	0.5574
GAD1	HGC_27con	HGC_27004	OK	11.0945	12.356	0.155376	0.6854
LOC100506314	HGC_27con	HGC_27004	OK	0.96937	1.07962	0.155404	0.8891
NOL10	HGC_27con	HGC_27004	OK	7.80703	8.69523	0.155451	0.5933
SMARCA5	HGC_27con	HGC_27004	OK	9.79329	10.9084	0.155573	0.5754
DEGS1	HGC_27con	HGC_27004	OK	33.2373	37.0231	0.155621	0.5781
SFT2D1	HGC_27con	HGC_27004	OK	20.4336	22.7614	0.155651	0.6518
EDRF1	HGC_27con	HGC_27004	OK	4.06108	4.52408	0.15576	0.6323
SEC61A2	HGC_27con	HGC_27004	OK	5.27121	5.87233	0.1558	0.9225
CDC45	HGC_27con	HGC_27004	OK	15.6429	17.4268	0.155802	0.5978
ZNF644	HGC_27con	HGC_27004	OK	10.2876	11.4608	0.155806	0.6416
GTF3C2-AS1	HGC_27con	HGC_27004	OK	3.00437	3.34706	0.155832	0.9261
MAP2K1	HGC_27con	HGC_27004	OK	14.2024	15.8228	0.155867	0.6207
JKAMP	HGC_27con	HGC_27004	OK	24.2949	27.0691	0.155993	0.587
VPS29	HGC_27con	HGC_27004	OK	36.1181	40.2441	0.156055	0.5851
MED4-AS1	HGC_27con	HGC_27004	OK	12.412	13.8299	0.156059	0.8436
NCL	HGC_27con	HGC_27004	OK	240.763	268.284	0.156148	0.5379
IRF7	HGC_27con	HGC_27004	NOTEST	0.17314	0.19294	0.156259	1
USP18	HGC_27con	HGC_27004	OK	8.03001	8.94896	0.156317	0.6451
LOC101928525	HGC_27con	HGC_27004	OK	5.8629	6.53388	0.156327	0.8728
PTMA	HGC_27con	HGC_27004	OK	685.254	763.697	0.156363	0.5335
EXT1	HGC_27con	HGC_27004	OK	54.6415	60.9036	0.156531	0.5474
RGS19	HGC_27con	HGC_27004	OK	12.9285	14.4111	0.15663	0.6533
MRPS10	HGC_27con	HGC_27004	OK	29.6257	33.0251	0.156715	0.5656
MTBP	HGC_27con	HGC_27004	OK	31.3379	34.9347	0.156752	0.6967
C7orf49	HGC_27con	HGC_27004	OK	15.1923	16.9363	0.156782	0.6401
ADNP	HGC_27con	HGC_27004	OK	19.4005	21.6288	0.156863	0.5954
NAB1	HGC_27con	HGC_27004	OK	9.30378	10.3725	0.156869	0.5862
CCDC124	HGC_27con	HGC_27004	OK	87.3669	97.4028	0.156876	0.5585
TTC3	HGC_27con	HGC_27004	OK	28.7065	32.0043	0.15689	0.5399
ACLY	HGC_27con	HGC_27004	OK	69.4089	77.3838	0.15691	0.5315
PTPN2	HGC_27con	HGC_27004	OK	16.5909	18.4993	0.157076	0.599
SLC25A40	HGC_27con	HGC_27004	OK	7.14198	7.96388	0.157147	0.7568
CCDC127	HGC_27con	HGC_27004	OK	7.4468	8.30392	0.157171	0.6688
GALNT2	HGC_27con	HGC_27004	OK	11.1033	12.3813	0.157175	0.5809
SLC16A1-AS1	HGC_27con	HGC_27004	OK	2.2506	2.50971	0.157207	0.8128

BCYRN1	HGC_27con	HGC_27004	OK	76.2912	85.0778	0.157268	0.9437
COMMD3	HGC_27con	HGC_27004	OK	30.7881	34.3348	0.157297	0.7863
ABCF1	HGC_27con	HGC_27004	OK	23.4555	26.1583	0.15734	0.5495
MAT2A	HGC_27con	HGC_27004	OK	190.49	212.462	0.157491	0.5768
ARL13B	HGC_27con	HGC_27004	OK	3.31861	3.70156	0.157555	0.6475
ADAMTS14	HGC_27con	HGC_27004	OK	1.18958	1.32686	0.157565	0.7034
DEK	HGC_27con	HGC_27004	OK	56.0835	62.5579	0.157616	0.5449
CRIP1	HGC_27con	HGC_27004	OK	409.333	456.59	0.157624	0.5613
IMMT	HGC_27con	HGC_27004	OK	62.7116	69.9524	0.15764	0.5413
MICU1	HGC_27con	HGC_27004	OK	16.2662	18.1448	0.157682	0.5885
TSNAX	HGC_27con	HGC_27004	OK	17.5318	19.5584	0.157813	0.6001
ZNF286A	HGC_27con	HGC_27004	OK	1.85153	2.06556	0.157813	0.6693
TMEM134	HGC_27con	HGC_27004	OK	19.2399	21.4671	0.158029	0.6721
ZNF32-AS2	HGC_27con	HGC_27004	OK	1.37088	1.52963	0.158083	0.9261
TMEM131	HGC_27con	HGC_27004	OK	10.3881	11.5911	0.158092	0.5624
CRYZ	HGC_27con	HGC_27004	OK	16.4413	18.3461	0.158153	0.7045
SPIN1	HGC_27con	HGC_27004	OK	37.4634	41.8064	0.158242	0.5402
DNAJB4	HGC_27con	HGC_27004	OK	11.0467	12.3273	0.158249	0.6104
LOC101929709	HGC_27con	HGC_27004	OK	0.71818	0.80144	0.158258	0.816
LINC01573	HGC_27con	HGC_27004	OK	3.38138	3.77366	0.158352	0.8193
RRN3P1	HGC_27con	HGC_27004	OK	2.31312	2.5815	0.158368	0.7593
ZNF696	HGC_27con	HGC_27004	OK	1.68943	1.88545	0.158374	0.699
PEBP1	HGC_27con	HGC_27004	OK	71.0067	79.2493	0.158444	0.5593
L2HGDH	HGC_27con	HGC_27004	OK	6.73871	7.52126	0.158502	0.5853
VAPB	HGC_27con	HGC_27004	OK	7.37851	8.23577	0.158574	0.5699
SLC35E4	HGC_27con	HGC_27004	OK	1.55904	1.74023	0.158616	0.7686
TSTD2	HGC_27con	HGC_27004	OK	13.29	14.8347	0.158628	0.7208
ASB3	HGC_27con	HGC_27004	OK	8.29923	9.26413	0.158679	0.8139
SLC38A6	HGC_27con	HGC_27004	OK	5.37111	5.99606	0.158795	0.7142
DPY19L2P3	HGC_27con	HGC_27004	OK	1.11562	1.24547	0.158854	0.9039
ZNF22	HGC_27con	HGC_27004	OK	4.44725	4.96498	0.158874	0.716
CSNK1A1	HGC_27con	HGC_27004	OK	55.7498	62.2428	0.158941	0.5451
PLD4	HGC_27con	HGC_27004	NOTEST	0.20267	0.22628	0.159003	1
SLC25A5	HGC_27con	HGC_27004	OK	684.565	764.369	0.159082	0.531
MBOAT4	HGC_27con	HGC_27004	NOTEST	0.15421	0.17221	0.159212	1
CRTC3	HGC_27con	HGC_27004	OK	6.98565	7.80114	0.159291	0.5791
ZAK	HGC_27con	HGC_27004	OK	16.38	18.2922	0.159292	0.5616
DDX3X	HGC_27con	HGC_27004	OK	53.8517	60.1391	0.15931	0.5297
SLC25A46	HGC_27con	HGC_27004	OK	14.2788	15.946	0.159323	0.5577
FOXD4L5	HGC_27con	HGC_27004	OK	0.81126	0.906	0.159347	0.7975
TEX261	HGC_27con	HGC_27004	OK	33.0714	36.9383	0.159535	0.5627
PPA2	HGC_27con	HGC_27004	OK	27.5785	30.8032	0.159537	0.5725
IGF2BP3	HGC_27con	HGC_27004	OK	24.6504	27.5337	0.159589	0.5511
PHKA1	HGC_27con	HGC_27004	OK	9.94835	11.1125	0.159649	0.5653
ROBO1	HGC_27con	HGC_27004	OK	14.2461	15.9134	0.159677	0.5497
DUSP14	HGC_27con	HGC_27004	OK	22.5285	25.1679	0.159832	0.6049
MCPH1	HGC_27con	HGC_27004	OK	6.12585	6.84363	0.159851	0.6177
DIAPH2	HGC_27con	HGC_27004	OK	5.30634	5.92828	0.159895	0.5965
UTAT33	HGC_27con	HGC_27004	OK	13.5228	15.1086	0.159969	0.8414
GOLPH3	HGC_27con	HGC_27004	OK	59.2602	66.2101	0.159988	0.5504
RECQL4	HGC_27con	HGC_27004	OK	9.19385	10.2722	0.159999	0.5973
SLC19A1	HGC_27con	HGC_27004	OK	17.7974	19.8848	0.160002	0.6027
POP1	HGC_27con	HGC_27004	OK	4.64885	5.19416	0.160018	0.6098
RBM33	HGC_27con	HGC_27004	OK	7.98961	8.92709	0.160065	0.5544

GMCL1	HGC_27con	HGC_27004	OK	10.5042	11.737	0.16009	0.613
PLOD3	HGC_27con	HGC_27004	OK	57.2758	63.9982	0.160104	0.5744
ACOT7	HGC_27con	HGC_27004	OK	28.5607	31.9131	0.160117	0.5797
TMEM120B	HGC_27con	HGC_27004	OK	1.70814	1.90875	0.160201	0.7477
GNAL	HGC_27con	HGC_27004	OK	4.23197	4.72936	0.160317	0.7343
ZNF655	HGC_27con	HGC_27004	OK	13.2176	14.7717	0.160374	0.6587
SCAP	HGC_27con	HGC_27004	OK	16.9377	18.9291	0.160375	0.5626
FAM98B	HGC_27con	HGC_27004	OK	8.26258	9.23407	0.160376	0.5767
RRP12	HGC_27con	HGC_27004	OK	18.1657	20.3018	0.16039	0.5479
PLCG1-AS1	HGC_27con	HGC_27004	OK	1.40337	1.56844	0.160435	0.0503
RRP8	HGC_27con	HGC_27004	OK	6.59309	7.36867	0.160448	0.6446
FAM86B3P	HGC_27con	HGC_27004	OK	5.6095	6.26949	0.160477	0.7443
NUDCD2	HGC_27con	HGC_27004	OK	43.7448	48.8935	0.16053	0.5844
GOLGA4	HGC_27con	HGC_27004	OK	8.88492	9.93071	0.160538	0.5422
WDR20	HGC_27con	HGC_27004	OK	8.45578	9.45162	0.160623	0.6269
ARFGEF2	HGC_27con	HGC_27004	OK	7.14032	7.98124	0.160625	0.5674
FAM120A	HGC_27con	HGC_27004	OK	69.7505	77.9662	0.160645	0.539
TCEANC2	HGC_27con	HGC_27004	OK	1.97475	2.20741	0.160685	0.8081
METTL15	HGC_27con	HGC_27004	OK	7.85192	8.77727	0.160727	0.5776
ELL2	HGC_27con	HGC_27004	OK	0.82875	0.92646	0.160778	0.74
ZNF528-AS1	HGC_27con	HGC_27004	OK	0.35836	0.40062	0.160802	0.8335
LARGE	HGC_27con	HGC_27004	OK	3.15457	3.52694	0.160975	0.6485
STK24	HGC_27con	HGC_27004	OK	16.4034	18.3409	0.161068	0.5662
CSDE1	HGC_27con	HGC_27004	OK	133.682	149.49	0.161237	0.5314
DLAT	HGC_27con	HGC_27004	OK	20.3509	22.7579	0.161277	0.5507
SEPT9	HGC_27con	HGC_27004	OK	43.9791	49.1813	0.161294	0.5423
MAX	HGC_27con	HGC_27004	OK	36.7671	41.1186	0.161378	0.7181
MFSD1	HGC_27con	HGC_27004	OK	8.266	9.24441	0.161391	0.6318
SARM1	HGC_27con	HGC_27004	OK	2.69367	3.01253	0.161401	0.7376
CECR5	HGC_27con	HGC_27004	OK	32.5639	36.42	0.161457	0.5682
PER1	HGC_27con	HGC_27004	OK	4.95492	5.54233	0.161632	0.6147
P2RX2	HGC_27con	HGC_27004	NOTEST	0.24401	0.27295	0.161658	1
ETF1	HGC_27con	HGC_27004	OK	41.0021	45.8657	0.161717	0.5185
ATP7B	HGC_27con	HGC_27004	OK	2.0242	2.26435	0.16175	0.6469
ZNRF3	HGC_27con	HGC_27004	OK	5.56901	6.23085	0.16201	0.5822
TYSND1	HGC_27con	HGC_27004	OK	14.4349	16.1508	0.162042	0.5747
FOSL1	HGC_27con	HGC_27004	NOTEST	0.0541	0.06054	0.162139	1
CBFB	HGC_27con	HGC_27004	OK	24.2725	27.1608	0.162199	0.5596
CHAF1A	HGC_27con	HGC_27004	OK	15.564	17.4164	0.162231	0.5533
GPN1	HGC_27con	HGC_27004	OK	20.73	23.1988	0.162328	0.7364
PLSCR1	HGC_27con	HGC_27004	OK	5.35287	5.99148	0.162601	0.6833
MYNN	HGC_27con	HGC_27004	OK	4.66223	5.21846	0.162606	0.6031
AUH	HGC_27con	HGC_27004	OK	8.44622	9.45399	0.162617	0.6487
HNRNPK	HGC_27con	HGC_27004	OK	221.928	248.432	0.162757	0.5282
GNB5	HGC_27con	HGC_27004	OK	7.04751	7.88929	0.162782	0.6318
SIKE1	HGC_27con	HGC_27004	OK	10.8335	12.1277	0.162806	0.5554
NRG2	HGC_27con	HGC_27004	NOTEST	0.04426	0.04955	0.162838	1
DCTN5	HGC_27con	HGC_27004	OK	11.3749	12.7344	0.162878	0.5461
KCMF1	HGC_27con	HGC_27004	OK	16.4254	18.3899	0.162982	0.5469
MID2	HGC_27con	HGC_27004	NOTEST	0.2222	0.2488	0.163082	1
DCUN1D4	HGC_27con	HGC_27004	OK	11.6899	13.0891	0.163109	0.5731
TONSL	HGC_27con	HGC_27004	OK	4.74568	5.31374	0.163113	0.6237
PSTK	HGC_27con	HGC_27004	OK	2.41005	2.69854	0.163117	0.7462
DNAJC19	HGC_27con	HGC_27004	OK	14.7593	16.5261	0.16312	0.626

GK	HGC_27con	HGC_27004	OK	2.59638	2.90764	0.163348	0.6573
MFS10	HGC_27con	HGC_27004	OK	29.0374	32.5187	0.163353	0.585
ARMCX6	HGC_27con	HGC_27004	OK	20.7133	23.1968	0.16337	0.6291
WDR78	HGC_27con	HGC_27004	NOTEST	0.16513	0.18493	0.163391	1
HDHD2	HGC_27con	HGC_27004	OK	15.3221	17.1605	0.163476	0.5848
BRWD1	HGC_27con	HGC_27004	OK	8.0588	9.02601	0.163525	0.7212
FRG1	HGC_27con	HGC_27004	OK	21.874	24.4995	0.163538	0.5976
GCC1	HGC_27con	HGC_27004	OK	6.65125	7.44962	0.163541	0.5779
ZNF576	HGC_27con	HGC_27004	OK	3.18408	3.56651	0.163634	0.7107
CCDC112	HGC_27con	HGC_27004	OK	3.81239	4.27034	0.163656	0.6449
MAMSTR	HGC_27con	HGC_27004	OK	3.87064	4.33559	0.163656	0.7377
DCTN4	HGC_27con	HGC_27004	OK	25.9388	29.0548	0.163665	0.5408
PSMC3IP	HGC_27con	HGC_27004	OK	6.67859	7.48134	0.163752	0.8056
CNOT3	HGC_27con	HGC_27004	OK	15.4606	17.3198	0.163819	0.5839
MAN1A2	HGC_27con	HGC_27004	OK	10.9351	12.2501	0.163831	0.5576
HSD17B14	HGC_27con	HGC_27004	OK	17.2955	19.3754	0.163835	0.6201
FAM120AOS	HGC_27con	HGC_27004	OK	11.8783	13.3077	0.163941	0.8454
484,LOC10049948	HGC_27con	HGC_27004	OK	1.26832	1.42097	0.163959	0.8215
ZSCAN31	HGC_27con	HGC_27004	OK	8.44191	9.45848	0.164039	0.5855
YBX3	HGC_27con	HGC_27004	OK	98.3242	110.178	0.164216	0.5188
KIF23	HGC_27con	HGC_27004	OK	13.8496	15.5201	0.164287	0.5479
NOL7	HGC_27con	HGC_27004	OK	64.6032	72.3986	0.164356	0.5565
PGM2	HGC_27con	HGC_27004	OK	10.4534	11.7147	0.164356	0.5832
SGOL1	HGC_27con	HGC_27004	OK	4.8346	5.41798	0.164358	0.6575
BAZ1A	HGC_27con	HGC_27004	OK	10.3352	11.5826	0.164393	0.5324
U2AF1	HGC_27con	HGC_27004	OK	116.085	130.103	0.164469	0.5424
PAAF1	HGC_27con	HGC_27004	OK	16.5094	18.5047	0.1646	0.6766
CLN8	HGC_27con	HGC_27004	OK	2.01333	2.25676	0.164673	0.6426
GALNT7	HGC_27con	HGC_27004	OK	6.41017	7.18536	0.164699	0.5886
TOP1	HGC_27con	HGC_27004	OK	19.2087	21.5321	0.164724	0.6232
ADD2	HGC_27con	HGC_27004	OK	20.8811	23.4078	0.164796	0.5323
FAM21C	HGC_27con	HGC_27004	OK	3.73164	4.18322	0.164803	0.599
NSFL1C	HGC_27con	HGC_27004	OK	11.7341	13.1541	0.164804	0.5651
FNDC3A	HGC_27con	HGC_27004	OK	11.5875	12.9902	0.164855	0.5315
ARID3A	HGC_27con	HGC_27004	OK	4.31297	4.8351	0.164865	0.6506
NCOA5	HGC_27con	HGC_27004	OK	13.6316	15.2824	0.164915	0.5662
FAM13B	HGC_27con	HGC_27004	OK	4.51774	5.06501	0.164963	0.5864
ZNF670	HGC_27con	HGC_27004	OK	1.78274	1.99885	0.16507	0.7526
SIK1	HGC_27con	HGC_27004	OK	1.03084	1.15583	0.165105	0.7483
PSMD10	HGC_27con	HGC_27004	OK	29.4839	33.0606	0.165188	0.548
SLC24A2	HGC_27con	HGC_27004	NOTEST	0.16191	0.18156	0.165208	1
TOP1MT	HGC_27con	HGC_27004	OK	20.6292	23.1325	0.165234	0.5553
TPX2	HGC_27con	HGC_27004	OK	40.7099	45.6506	0.165253	0.5237
GABRA3	HGC_27con	HGC_27004	OK	3.47383	3.89545	0.165264	0.6697
DIS3	HGC_27con	HGC_27004	OK	6.09495	6.83551	0.165434	0.6955
WDR12	HGC_27con	HGC_27004	OK	17.1044	19.1832	0.165474	0.5895
GTF2H2B	HGC_27con	HGC_27004	OK	1.57915	1.77109	0.165485	0.7757
NFIA	HGC_27con	HGC_27004	OK	4.40597	4.9416	0.165518	0.5684
CCT5	HGC_27con	HGC_27004	OK	120.084	134.683	0.165524	0.5175
HERC2P4	HGC_27con	HGC_27004	OK	7.22367	8.10217	0.165577	0.6125
CLPX	HGC_27con	HGC_27004	OK	15.0631	16.8966	0.165713	0.5651
CCNT2-AS1	HGC_27con	HGC_27004	OK	0.31351	0.35167	0.165723	0.8476
BRPF3	HGC_27con	HGC_27004	OK	8.0324	9.01086	0.165833	0.5594
ADGRB1	HGC_27con	HGC_27004	OK	0.69124	0.77546	0.165869	0.7747

ABCB7	HGC_27con	HGC_27004	OK	19.2651	21.615	0.166047	0.5562
LINC01140	HGC_27con	HGC_27004	OK	0.33738	0.37855	0.166081	0.833
FAM118B	HGC_27con	HGC_27004	OK	7.79454	8.74624	0.166199	0.8306
DDX31	HGC_27con	HGC_27004	OK	6.1157	6.8628	0.166279	0.7164
ATXN2L	HGC_27con	HGC_27004	OK	62.943	70.6323	0.166283	0.5086
GCAT	HGC_27con	HGC_27004	OK	25.119	28.1876	0.166285	0.5778
ATP1B3	HGC_27con	HGC_27004	OK	43.6101	48.9379	0.16629	0.5439
CAMLG	HGC_27con	HGC_27004	OK	29.8919	33.5438	0.16629	0.5457
RIOK3	HGC_27con	HGC_27004	OK	12.7229	14.2776	0.166317	0.5502
C2orf44	HGC_27con	HGC_27004	OK	5.81343	6.52418	0.166407	0.6051
KIF22	HGC_27con	HGC_27004	OK	38.9642	43.7294	0.166457	0.5277
PUM2	HGC_27con	HGC_27004	OK	20.94	23.5016	0.166499	0.5252
CYB5R1	HGC_27con	HGC_27004	OK	9.27618	10.411	0.1665	0.6285
TENM3	HGC_27con	HGC_27004	OK	6.57742	7.38269	0.166624	0.5461
WAC	HGC_27con	HGC_27004	OK	34.7199	38.9758	0.166815	0.5085
TSG101	HGC_27con	HGC_27004	OK	29.8866	33.5504	0.166832	0.5495
MMADHC	HGC_27con	HGC_27004	OK	63.5609	71.3533	0.166841	0.5404
ZNF708	HGC_27con	HGC_27004	OK	2.60951	2.92965	0.166951	0.6539
RPL22L1	HGC_27con	HGC_27004	OK	13.6964	15.377	0.166977	0.6041
CEP152	HGC_27con	HGC_27004	OK	4.91928	5.52339	0.167107	0.5567
APPBP2	HGC_27con	HGC_27004	OK	9.99676	11.2257	0.167277	0.5507
ZIC1	HGC_27con	HGC_27004	OK	1.60788	1.80559	0.167311	0.6962
DNM1L	HGC_27con	HGC_27004	OK	18.9254	21.2527	0.16732	0.5321
ERH	HGC_27con	HGC_27004	OK	222.301	249.655	0.167417	0.5271
HNRNPC	HGC_27con	HGC_27004	OK	168.166	188.86	0.167436	0.5115
KNSTRN	HGC_27con	HGC_27004	OK	22.943	25.7666	0.167447	0.5658
GAS8-AS1	HGC_27con	HGC_27004	OK	0.71434	0.80226	0.167465	0.5532
TUBB4B	HGC_27con	HGC_27004	OK	107.267	120.475	0.167519	0.5224
NQO1	HGC_27con	HGC_27004	OK	87.5666	98.3514	0.167565	0.5196
GNA13	HGC_27con	HGC_27004	OK	16.8575	18.934	0.167591	0.526
SDHAP1	HGC_27con	HGC_27004	OK	1.57756	1.77191	0.167606	0.7345
CHORDC1	HGC_27con	HGC_27004	OK	7.51516	8.44101	0.167611	0.5882
LOC284950	HGC_27con	HGC_27004	NOTEST	0.11723	0.13168	0.167706	1
CLINT1	HGC_27con	HGC_27004	OK	20.6517	23.1975	0.167713	0.5308
AHCYL2	HGC_27con	HGC_27004	OK	7.97112	8.95422	0.167785	0.562
SMC4	HGC_27con	HGC_27004	OK	20.0784	22.555	0.167803	0.5504
CCDC47	HGC_27con	HGC_27004	OK	25.586	28.7425	0.167828	0.534
PHF5A	HGC_27con	HGC_27004	OK	38.1043	42.8101	0.167999	0.569
NXPE3	HGC_27con	HGC_27004	OK	3.88806	4.36849	0.168083	0.5783
CEP295NL	HGC_27con	HGC_27004	NOTEST	0.06775	0.07612	0.168096	1
ELAVL1	HGC_27con	HGC_27004	OK	18.8801	21.2134	0.16811	0.5357
ARHGAP5	HGC_27con	HGC_27004	OK	10.8469	12.1881	0.168191	0.5136
SLC19A2	HGC_27con	HGC_27004	OK	6.97815	7.84124	0.168238	0.6029
G3BP2	HGC_27con	HGC_27004	OK	38.385	43.1336	0.168269	0.52
RBMX	HGC_27con	HGC_27004	OK	179.918	202.178	0.168283	0.5093
SLC25A42	HGC_27con	HGC_27004	OK	6.46468	7.2646	0.168304	0.6261
SLC35D1	HGC_27con	HGC_27004	OK	4.30202	4.83437	0.168313	0.5998
RBBP7	HGC_27con	HGC_27004	OK	40.704	45.7535	0.168712	0.5234
SNHG17	HGC_27con	HGC_27004	OK	21.7219	24.4182	0.168811	0.5981
TACC3	HGC_27con	HGC_27004	OK	25.7913	28.9936	0.168851	0.5331
VAV2	HGC_27con	HGC_27004	OK	4.23544	4.76161	0.168939	0.5955
TSKU	HGC_27con	HGC_27004	OK	14.9505	16.8082	0.168971	0.561
BRD9	HGC_27con	HGC_27004	OK	12.1781	13.6918	0.169022	0.5624
FMR1	HGC_27con	HGC_27004	OK	9.64024	10.8392	0.169111	0.5593

AATF	HGC_27con	HGC_27004	OK	22.8949	25.7423	0.169117	0.5362
EMG1	HGC_27con	HGC_27004	OK	26.516	29.814	0.169128	0.5873
PCDHGB2	HGC_27con	HGC_27004	OK	0.87073	0.97918	0.169353	0.9049
FAM132B	HGC_27con	HGC_27004	OK	5.55121	6.24345	0.16954	0.6443
EPOR	HGC_27con	HGC_27004	OK	10.6462	11.9738	0.169547	0.5938
CDC5L	HGC_27con	HGC_27004	OK	6.24674	7.02602	0.169605	0.5454
FAM98A	HGC_27con	HGC_27004	OK	20.3322	22.8719	0.169809	0.5315
ZNF627	HGC_27con	HGC_27004	OK	6.74013	7.58219	0.169838	0.5942
DCAF15	HGC_27con	HGC_27004	OK	21.2399	23.8943	0.169891	0.5589
EFCAB11	HGC_27con	HGC_27004	OK	4.5053	5.06879	0.17002	0.6624
CYP4V2	HGC_27con	HGC_27004	OK	2.35332	2.64782	0.170106	0.6628
PGAM1	HGC_27con	HGC_27004	OK	280.543	315.685	0.170263	0.5064
ZKSCAN4	HGC_27con	HGC_27004	OK	1.5137	1.70334	0.170282	0.668
SNORA76C	HGC_27con	HGC_27004	OK	51.7803	58.2682	0.170304	0.8679
STAU2-AS1	HGC_27con	HGC_27004	NOTEST	0.18465	0.20779	0.170322	1
TTC7A	HGC_27con	HGC_27004	OK	3.1784	3.57677	0.170353	0.8541
PWP1	HGC_27con	HGC_27004	OK	17.8128	20.0453	0.170354	0.5667
ZNF544	HGC_27con	HGC_27004	OK	3.78512	4.25976	0.170433	0.623
ZBTB11	HGC_27con	HGC_27004	OK	5.25572	5.91498	0.170483	0.587
SEC23B	HGC_27con	HGC_27004	OK	32.8615	36.9894	0.170716	0.5172
C19orf45	HGC_27con	HGC_27004	OK	1.13641	1.27917	0.17073	0.7987
PDHX	HGC_27con	HGC_27004	OK	16.207	18.2437	0.170775	0.617
MCM9	HGC_27con	HGC_27004	OK	1.58695	1.78644	0.170831	0.8173
PRPF4	HGC_27con	HGC_27004	OK	22.0791	24.8574	0.170993	0.529
COX7A2L	HGC_27con	HGC_27004	OK	126.201	142.083	0.171008	0.523
INPP4B	HGC_27con	HGC_27004	OK	1.37427	1.54728	0.171069	0.6763
HNRNP	HGC_27con	HGC_27004	OK	80.0082	90.0823	0.171095	0.5135
CS	HGC_27con	HGC_27004	OK	174.681	196.683	0.171144	0.5062
CLOCK	HGC_27con	HGC_27004	OK	5.09016	5.7317	0.171252	0.5427
CKAP5	HGC_27con	HGC_27004	OK	27.2971	30.7377	0.171258	0.4972
WDR5	HGC_27con	HGC_27004	OK	22.5908	25.4393	0.171318	0.5257
MRPL2	HGC_27con	HGC_27004	OK	29.977	33.7569	0.171328	0.5502
MPP2	HGC_27con	HGC_27004	OK	5.96834	6.72092	0.171329	0.5744
CCNB2	HGC_27con	HGC_27004	OK	34.5092	38.8609	0.171339	0.5374
LOC100131626	HGC_27con	HGC_27004	OK	3.16711	3.56651	0.171343	0.8943
KLHL11	HGC_27con	HGC_27004	OK	3.26375	3.6755	0.171409	0.5916
STOML1	HGC_27con	HGC_27004	OK	3.73971	4.21152	0.171412	0.6815
RPSAP58	HGC_27con	HGC_27004	NOTEST	0.17687	0.19919	0.171448	1
ZSWIM3	HGC_27con	HGC_27004	OK	2.38492	2.68598	0.171508	0.6923
FAM49A	HGC_27con	HGC_27004	NOTEST	0.06852	0.07717	0.171556	1
TAF1A-AS1	HGC_27con	HGC_27004	OK	1.57641	1.77554	0.171614	0.9026
PDSS2	HGC_27con	HGC_27004	OK	6.02013	6.7813	0.171767	0.603
LINC00337	HGC_27con	HGC_27004	OK	0.71332	0.80353	0.171801	0.7995
NINL	HGC_27con	HGC_27004	OK	3.95753	4.45812	0.171835	0.5874
TSR2	HGC_27con	HGC_27004	OK	12.7265	14.3377	0.171973	0.5867
SPECC1L	HGC_27con	HGC_27004	OK	14.7625	16.6332	0.172133	0.5222
RBM8A	HGC_27con	HGC_27004	OK	22.2301	25.0497	0.17228	0.7664
UFSP2	HGC_27con	HGC_27004	OK	14.1436	15.9375	0.172282	0.5634
PUS7	HGC_27con	HGC_27004	OK	8.25715	9.3046	0.172301	0.5663
NOTCH2	HGC_27con	HGC_27004	OK	16.8946	19.0379	0.172308	0.5001
CDK8	HGC_27con	HGC_27004	OK	6.5157	7.34231	0.172314	0.6253
ZSCAN29	HGC_27con	HGC_27004	OK	4.86357	5.48073	0.172352	0.5667
ORC3	HGC_27con	HGC_27004	OK	7.92398	8.92972	0.172389	0.5843
GRPEL1	HGC_27con	HGC_27004	OK	18.6411	21.0079	0.172448	0.565

RNF114	HGC_27con	HGC_27004	OK	35.1788	39.6459	0.172463	0.5269
AJUBA	HGC_27con	HGC_27004	OK	11.4267	12.8798	0.172702	0.5482
CASC3	HGC_27con	HGC_27004	OK	27.2805	30.7509	0.17276	0.5176
ANKRD12	HGC_27con	HGC_27004	OK	3.56556	4.01919	0.172778	0.5435
SEC24A	HGC_27con	HGC_27004	OK	10.8681	12.2509	0.172791	0.5688
ATXN10	HGC_27con	HGC_27004	OK	46.5081	52.426	0.172801	0.5172
CEP55	HGC_27con	HGC_27004	OK	16.8378	18.9807	0.172836	0.535
TTK	HGC_27con	HGC_27004	OK	9.464	10.669	0.172904	0.5528
LHX1	HGC_27con	HGC_27004	OK	1.6098	1.81484	0.172959	0.7364
TRAK2	HGC_27con	HGC_27004	OK	19.2236	21.6724	0.172975	0.5164
AHCTF1	HGC_27con	HGC_27004	OK	10.1358	11.4275	0.17305	0.5162
MGME1	HGC_27con	HGC_27004	OK	15.261	17.2062	0.173084	0.5483
SPPL3	HGC_27con	HGC_27004	OK	9.8791	11.1387	0.173125	0.5728
CAB39	HGC_27con	HGC_27004	OK	12.8795	14.5219	0.173158	0.5381
PTBP1	HGC_27con	HGC_27004	OK	163.504	184.366	0.173254	0.491
ZC3H14	HGC_27con	HGC_27004	OK	22.3498	25.2021	0.173281	0.5196
FADS1	HGC_27con	HGC_27004	OK	15.2731	17.2229	0.173342	0.5479
ALG11	HGC_27con	HGC_27004	OK	4.27967	4.82629	0.173414	0.7604
GPS2	HGC_27con	HGC_27004	OK	16.8359	18.9867	0.173446	0.5786
RAB5A	HGC_27con	HGC_27004	OK	15.934	17.9697	0.173451	0.549
PSMG1	HGC_27con	HGC_27004	OK	48.5699	54.7762	0.173486	0.5361
HUWE1	HGC_27con	HGC_27004	OK	29.2582	32.9972	0.173502	0.4946
PA2G4	HGC_27con	HGC_27004	OK	123.474	139.266	0.17364	0.4972
REEP2	HGC_27con	HGC_27004	OK	9.69766	10.9382	0.173672	0.5832
MCTS1	HGC_27con	HGC_27004	OK	6.73767	7.59963	0.173678	0.5232
GOLPH3L	HGC_27con	HGC_27004	OK	11.1987	12.6318	0.17374	0.5616
POLD1	HGC_27con	HGC_27004	OK	20.5422	23.1717	0.173774	0.5181
CTU2	HGC_27con	HGC_27004	OK	12.3727	13.9582	0.173963	0.8604
IKBKAP	HGC_27con	HGC_27004	OK	22.2381	25.0883	0.173982	0.5119
GOPC	HGC_27con	HGC_27004	OK	10.9503	12.3548	0.17411	0.5449
AP1G1	HGC_27con	HGC_27004	OK	14.9091	16.8221	0.174166	0.5138
U2SURP	HGC_27con	HGC_27004	OK	9.97553	11.2557	0.174185	0.5216
WFS1	HGC_27con	HGC_27004	OK	6.80676	7.68039	0.17421	0.5972
TMEM68	HGC_27con	HGC_27004	OK	7.80324	8.80497	0.174246	0.7334
PPP1R15B	HGC_27con	HGC_27004	OK	24.0359	27.1219	0.174264	0.5147
TYRO3	HGC_27con	HGC_27004	OK	9.43967	10.6518	0.174291	0.5551
TMEM97	HGC_27con	HGC_27004	OK	45.3185	51.1399	0.174349	0.5315
SMC2	HGC_27con	HGC_27004	OK	15.6858	17.7012	0.174391	0.5075
UBIAD1	HGC_27con	HGC_27004	OK	6.15742	6.94864	0.174405	0.5919
HTT	HGC_27con	HGC_27004	OK	7.29805	8.23595	0.174424	0.5143
KCTD1	HGC_27con	HGC_27004	OK	7.84516	8.85368	0.174474	0.5887
C19orf57	HGC_27con	HGC_27004	OK	0.81075	0.91509	0.174643	0.7701
EME1	HGC_27con	HGC_27004	OK	4.07714	4.60183	0.174652	0.8944
TSPAN6	HGC_27con	HGC_27004	OK	7.40329	8.35625	0.17469	0.5715
UEVLD	HGC_27con	HGC_27004	OK	4.33937	4.89802	0.174713	0.6462
TEX10	HGC_27con	HGC_27004	OK	14.3084	16.151	0.174758	0.5463
GID8	HGC_27con	HGC_27004	OK	13.7308	15.4995	0.174804	0.5287
ATXN7L3B	HGC_27con	HGC_27004	OK	11.3184	12.7765	0.17482	0.546
GHITM	HGC_27con	HGC_27004	OK	98.5223	111.215	0.174835	0.5035
CMC4	HGC_27con	HGC_27004	OK	29.3284	33.1084	0.174899	0.5978
MRPL30	HGC_27con	HGC_27004	OK	21.3218	24.0711	0.174976	0.5066
TOMM40	HGC_27con	HGC_27004	OK	40.3016	45.4986	0.174982	0.5179
SSRP1	HGC_27con	HGC_27004	OK	107.305	121.151	0.175086	0.4895
TAPT1-AS1	HGC_27con	HGC_27004	OK	1.90155	2.14694	0.175111	0.737

NAV2	HGC_27con	HGC_27004	OK	2.49236	2.81418	0.175205	0.5858
PLP2	HGC_27con	HGC_27004	OK	63.9404	72.1993	0.175258	0.6064
ATP5C1	HGC_27con	HGC_27004	OK	184.377	208.202	0.175332	0.4864
MCM10	HGC_27con	HGC_27004	OK	6.31176	7.12762	0.175378	0.5477
HELZ	HGC_27con	HGC_27004	OK	2.56922	2.90178	0.17561	0.5598
STK4	HGC_27con	HGC_27004	OK	5.68073	6.41605	0.175611	0.5516
NGRN	HGC_27con	HGC_27004	OK	71.207	80.4247	0.175618	0.5485
GPHN	HGC_27con	HGC_27004	OK	8.14982	9.20487	0.17563	0.5595
TMEM201	HGC_27con	HGC_27004	OK	9.9644	11.2545	0.175644	0.5559
MRPL37	HGC_27con	HGC_27004	OK	87.495	98.8249	0.175674	0.5178
ARIH1	HGC_27con	HGC_27004	OK	10.664	12.0462	0.175825	0.5347
TMX4	HGC_27con	HGC_27004	OK	8.79432	9.93418	0.175828	0.5382
ELP5	HGC_27con	HGC_27004	OK	24.2439	27.3875	0.175894	0.6119
C15orf41	HGC_27con	HGC_27004	OK	3.28444	3.71032	0.175896	0.6735
DNAJA3	HGC_27con	HGC_27004	OK	40.877	46.1806	0.175999	0.5077
CNBP	HGC_27con	HGC_27004	OK	61.835	69.8597	0.176036	0.498
MNAT1	HGC_27con	HGC_27004	OK	16.2631	18.3736	0.176036	0.5661
ZHX1	HGC_27con	HGC_27004	OK	119.852	135.407	0.176056	0.5415
WIPF2	HGC_27con	HGC_27004	OK	8.81426	9.9585	0.176089	0.5434
PRKRIR	HGC_27con	HGC_27004	OK	25.7992	29.149	0.17612	0.5048
TXNDC9	HGC_27con	HGC_27004	OK	18.5245	20.9302	0.176151	0.5494
TMTC4	HGC_27con	HGC_27004	OK	3.17326	3.58548	0.176199	0.6327
GOLGA7	HGC_27con	HGC_27004	OK	19.9371	22.5271	0.17621	0.5532
KIAA1211	HGC_27con	HGC_27004	OK	5.89008	6.65546	0.176251	0.5342
FTSJ2	HGC_27con	HGC_27004	OK	16.4705	18.6116	0.176314	0.5546
AFG3L2	HGC_27con	HGC_27004	OK	31.5549	35.6581	0.176367	0.5036
NEIL3	HGC_27con	HGC_27004	OK	7.64131	8.63505	0.176385	0.59
ENTPD1	HGC_27con	HGC_27004	OK	4.37165	4.94035	0.176436	0.5718
NUP50-AS1	HGC_27con	HGC_27004	OK	5.35883	6.05599	0.176445	0.6876
ZNF253	HGC_27con	HGC_27004	OK	1.35382	1.52998	0.176472	0.7388
GPSM2	HGC_27con	HGC_27004	OK	9.91121	11.2011	0.176509	0.6813
CTAGE7P	HGC_27con	HGC_27004	OK	0.29302	0.33117	0.176567	0.8432
PGRMC1	HGC_27con	HGC_27004	OK	115.711	130.776	0.176573	0.4934
TSEN2	HGC_27con	HGC_27004	OK	7.13826	8.06929	0.176869	0.6059
ACYP1	HGC_27con	HGC_27004	OK	10.6281	12.0145	0.176891	0.6963
ZNF592	HGC_27con	HGC_27004	OK	4.09709	4.63162	0.17692	0.5492
RAB12	HGC_27con	HGC_27004	OK	19.5507	22.102	0.176958	0.545
LOC286437	HGC_27con	HGC_27004	OK	1.39648	1.57872	0.176962	0.8042
STIP1	HGC_27con	HGC_27004	OK	58.899	66.5864	0.176984	0.4865
ENTPD5	HGC_27con	HGC_27004	OK	5.72876	6.47691	0.177082	0.6172
TELO2	HGC_27con	HGC_27004	OK	14.461	16.3502	0.17715	0.6062
PITPNM3	HGC_27con	HGC_27004	OK	2.83571	3.20629	0.177193	0.5716
LINC00634	HGC_27con	HGC_27004	OK	1.50736	1.70447	0.177305	0.7717
USP5	HGC_27con	HGC_27004	OK	21.3118	24.0989	0.177316	0.5133
P4HA1	HGC_27con	HGC_27004	OK	28.9062	32.6902	0.177479	0.5093
XRCC6BP1	HGC_27con	HGC_27004	OK	4.52602	5.11922	0.177681	0.7301
KIAA0226L	HGC_27con	HGC_27004	OK	0.73669	0.83332	0.177815	0.7528
VPS37A	HGC_27con	HGC_27004	OK	4.96672	5.61878	0.177962	0.5886
ZWINT	HGC_27con	HGC_27004	OK	25.2833	28.6027	0.177968	0.524
FXR2	HGC_27con	HGC_27004	OK	14.6355	16.5576	0.17802	0.6089
HEIH	HGC_27con	HGC_27004	OK	3.68513	4.16921	0.178059	0.7278
NDFIP1	HGC_27con	HGC_27004	OK	17.594	19.9079	0.178253	0.5279
ILF3	HGC_27con	HGC_27004	OK	130.509	147.681	0.178339	0.4913
CCAT1	HGC_27con	HGC_27004	NOTEST	0.10302	0.11658	0.178379	1

MYO9A	HGC_27con	HGC_27004	OK	3.05658	3.45889	0.178393	0.5695
TOMM70A	HGC_27con	HGC_27004	OK	15.335	17.3537	0.178413	0.5118
LOC389641	HGC_27con	HGC_27004	OK	4.15775	4.70584	0.178649	0.6973
PTGR2	HGC_27con	HGC_27004	OK	10.3715	11.7387	0.178656	0.5529
CENPP	HGC_27con	HGC_27004	OK	2.95091	3.34008	0.178722	0.8886
C16orf87	HGC_27con	HGC_27004	OK	8.21537	9.29888	0.178732	0.6209
MARCH6	HGC_27con	HGC_27004	OK	21.6284	24.4818	0.17878	0.4923
USP50	HGC_27con	HGC_27004	OK	0.42422	0.48019	0.178784	0.5144
ACP1	HGC_27con	HGC_27004	OK	81.815	92.617	0.178911	0.5046
FAM212A	HGC_27con	HGC_27004	OK	0.77614	0.87864	0.178951	0.8106
SKIV2L2	HGC_27con	HGC_27004	OK	23.5281	26.6359	0.178989	0.5367
OR8U8	HGC_27con	HGC_27004	OK	0.62622	0.70894	0.179004	0.8627
ZCCHC10	HGC_27con	HGC_27004	OK	7.25945	8.21913	0.179124	0.6033
PPP1R12B	HGC_27con	HGC_27004	OK	2.92317	3.3099	0.179253	0.6109
JADE2	HGC_27con	HGC_27004	OK	4.52147	5.11967	0.179261	0.5533
ACTR2	HGC_27con	HGC_27004	OK	111.885	126.689	0.179266	0.4759
HNRNPDL	HGC_27con	HGC_27004	OK	63.9534	72.4204	0.179376	0.4949
RPL23AP7	HGC_27con	HGC_27004	OK	6.23123	7.05673	0.179484	0.7473
XPOT	HGC_27con	HGC_27004	OK	122.658	138.915	0.179555	0.4788
OSBPL11	HGC_27con	HGC_27004	OK	4.84566	5.48798	0.179583	0.5742
RAC3	HGC_27con	HGC_27004	OK	37.495	42.4663	0.179619	0.5552
CLCC1	HGC_27con	HGC_27004	OK	11.6189	13.1602	0.179709	0.5917
MEMO1	HGC_27con	HGC_27004	OK	19.086	21.618	0.179724	0.5652
SS18L1	HGC_27con	HGC_27004	OK	6.20169	7.02446	0.179726	0.5592
CEP95	HGC_27con	HGC_27004	OK	8.63979	9.7871	0.179885	0.544
UTS2B	HGC_27con	HGC_27004	OK	1.98563	2.2494	0.179942	0.8418
GALK2	HGC_27con	HGC_27004	OK	9.65934	10.9433	0.180053	0.5541
GORASP2	HGC_27con	HGC_27004	OK	32.2972	36.5935	0.18018	0.5103
ENO1	HGC_27con	HGC_27004	OK	884.81	1002.55	0.180239	0.4866
NUDT1	HGC_27con	HGC_27004	OK	49.4285	56.0066	0.180252	0.5522
AMMECR1L	HGC_27con	HGC_27004	OK	9.14804	10.3659	0.180306	0.5264
NCAM1	HGC_27con	HGC_27004	OK	9.09908	10.3109	0.180376	0.5165
LPCAT1	HGC_27con	HGC_27004	OK	11.6772	13.234	0.180557	0.534
MAP2K4	HGC_27con	HGC_27004	OK	6.90904	7.83078	0.180671	0.5647
SMAD2	HGC_27con	HGC_27004	OK	19.6617	22.2849	0.180683	0.4852
GPR155	HGC_27con	HGC_27004	OK	0.70986	0.80474	0.180986	0.6944
VPS13C	HGC_27con	HGC_27004	OK	4.39953	4.98762	0.181001	0.509
CD46	HGC_27con	HGC_27004	OK	26.1188	29.6103	0.181014	0.496
CDC42EP4	HGC_27con	HGC_27004	OK	16.9487	19.2152	0.181078	0.5292
MIRLET7DHG	HGC_27con	HGC_27004	OK	3.92017	4.44444	0.181087	0.7122
TMEM167A	HGC_27con	HGC_27004	OK	21.7972	24.7124	0.181092	0.4983
SPTY2D1-AS1	HGC_27con	HGC_27004	OK	0.68661	0.77847	0.181144	0.9187
TWISTNB	HGC_27con	HGC_27004	OK	26.3373	29.8614	0.181175	0.4955
ZNF736	HGC_27con	HGC_27004	OK	3.26096	3.69745	0.181232	0.6904
AKAP2	HGC_27con	HGC_27004	OK	5.58717	6.33506	0.181241	0.5968
UBE2Q2	HGC_27con	HGC_27004	OK	10.4606	11.8614	0.181304	0.536
ZNF689	HGC_27con	HGC_27004	OK	7.18289	8.14475	0.181304	0.5714
SLC50A1	HGC_27con	HGC_27004	OK	54.2353	61.4983	0.181314	0.5207
REV1	HGC_27con	HGC_27004	OK	13.432	15.2308	0.181315	0.5029
RPL36AL	HGC_27con	HGC_27004	OK	256.972	291.422	0.181502	0.4993
LINC00936	HGC_27con	HGC_27004	NOTEST	0.22085	0.25046	0.181551	1
PNP	HGC_27con	HGC_27004	OK	23.7531	26.9387	0.181564	0.5167
SH3PXD2B	HGC_27con	HGC_27004	OK	8.14409	9.23637	0.181573	0.5028
PIGB	HGC_27con	HGC_27004	OK	5.94457	6.74188	0.181579	0.8708

DUSP8	HGC_27con	HGC_27004	OK	2.87434	3.2601	0.181689	0.6523
NOL9	HGC_27con	HGC_27004	OK	5.34195	6.05914	0.181746	0.5494
AKIRIN1	HGC_27con	HGC_27004	OK	42.9551	48.7265	0.181879	0.4948
MSANTD3	HGC_27con	HGC_27004	OK	27.091	30.7321	0.181933	0.5816
ERICH1	HGC_27con	HGC_27004	OK	5.58691	6.33859	0.182112	0.6018
RTCA	HGC_27con	HGC_27004	OK	12.6592	14.3625	0.182115	0.5401
ZNF653	HGC_27con	HGC_27004	OK	4.15732	4.71668	0.182116	0.8383
NDUFAF6	HGC_27con	HGC_27004	OK	5.92266	6.71993	0.1822	0.6353
VAPA	HGC_27con	HGC_27004	OK	18.849	21.3866	0.182218	0.4931
AKR1E2	HGC_27con	HGC_27004	OK	4.19332	4.75785	0.182218	0.6791
SNX10	HGC_27con	HGC_27004	OK	8.43661	9.57243	0.182221	0.5777
DNAJC7	HGC_27con	HGC_27004	OK	35.9266	40.7642	0.182247	0.6397
API5	HGC_27con	HGC_27004	OK	26.4692	30.0344	0.182299	0.4904
KIF11	HGC_27con	HGC_27004	OK	17.3963	19.7399	0.182338	0.4978
LINC00294	HGC_27con	HGC_27004	OK	5.35514	6.07675	0.182374	0.5998
RNGTT	HGC_27con	HGC_27004	OK	5.00659	5.68124	0.182378	0.5579
BAHD1	HGC_27con	HGC_27004	OK	11.1847	12.6927	0.182464	0.5242
GPN3	HGC_27con	HGC_27004	OK	11.2521	12.7705	0.182618	0.6604
PHB	HGC_27con	HGC_27004	OK	80.1207	90.9375	0.182701	0.4824
ZMPSTE24	HGC_27con	HGC_27004	OK	35.1369	39.8826	0.182772	0.496
OBFC1	HGC_27con	HGC_27004	OK	1.72703	1.96049	0.182921	0.6321
C19orf48	HGC_27con	HGC_27004	OK	91.7612	104.168	0.182954	0.4875
MOSPD2	HGC_27con	HGC_27004	OK	2.60809	2.96073	0.182962	0.636
AKAP7	HGC_27con	HGC_27004	OK	1.79696	2.03995	0.182971	0.6786
IPPK	HGC_27con	HGC_27004	OK	4.91353	5.57814	0.183023	0.8144
ANKRD61	HGC_27con	HGC_27004	OK	1.22863	1.39482	0.183031	0.9099
TSPO	HGC_27con	HGC_27004	OK	165.309	187.682	0.183119	0.4988
GBE1	HGC_27con	HGC_27004	OK	8.02517	9.11133	0.18313	0.5609
CUL1	HGC_27con	HGC_27004	OK	27.9182	31.6991	0.183236	0.4904
BET1	HGC_27con	HGC_27004	OK	7.46682	8.4783	0.183281	0.5738
NRSN2	HGC_27con	HGC_27004	OK	26.6611	30.2744	0.183357	0.5139
ST7L	HGC_27con	HGC_27004	OK	2.88374	3.27462	0.183389	0.6707
SMARCD1	HGC_27con	HGC_27004	OK	42.0094	47.7042	0.183404	0.4812
KGFLP2	HGC_27con	HGC_27004	OK	0.37912	0.43053	0.183439	0.769
CCNB1	HGC_27con	HGC_27004	OK	62.6323	71.1252	0.183454	0.4873
ANKRD13B	HGC_27con	HGC_27004	OK	15.2422	17.3104	0.183567	0.5203
PSMD5	HGC_27con	HGC_27004	OK	17.2219	19.5589	0.183579	0.5134
PNMA1	HGC_27con	HGC_27004	OK	28.5878	32.4672	0.183584	0.5
NPIPA5	HGC_27con	HGC_27004	OK	1.31755	1.4964	0.183639	0.7726
UBE2K	HGC_27con	HGC_27004	OK	15.7095	17.842	0.183642	0.4948
CAMSAP3	HGC_27con	HGC_27004	OK	13.6967	15.5573	0.183762	0.5272
RAB1A	HGC_27con	HGC_27004	OK	81.7095	92.8094	0.183767	0.5005
ALDH5A1	HGC_27con	HGC_27004	OK	7.11314	8.07946	0.183772	0.5254
EPHB2	HGC_27con	HGC_27004	OK	1.49266	1.69544	0.183778	0.5724
LSM8	HGC_27con	HGC_27004	OK	3.88909	4.41749	0.183794	0.5215
VPS13B	HGC_27con	HGC_27004	OK	2.14151	2.4326	0.183869	0.5397
FOPNL	HGC_27con	HGC_27004	OK	22.868	25.9781	0.183968	0.5203
GLO1	HGC_27con	HGC_27004	OK	75.8874	86.2098	0.183991	0.4853
DHX33	HGC_27con	HGC_27004	OK	6.76434	7.68446	0.183996	0.5154
PPP1R3E	HGC_27con	HGC_27004	OK	4.74245	5.38776	0.184055	0.5802
NAA30	HGC_27con	HGC_27004	OK	9.37585	10.6529	0.184222	0.5314
DOPEY2	HGC_27con	HGC_27004	OK	0.95297	1.08282	0.184286	0.6643
SKA2	HGC_27con	HGC_27004	OK	16.9956	19.3113	0.184287	0.503
ERBB2IP	HGC_27con	HGC_27004	OK	10.3624	11.7749	0.184357	0.4956

TNPO3	HGC_27con	HGC_27004	OK	15.5863	17.7115	0.184412	0.4943
SDE2	HGC_27con	HGC_27004	OK	8.07741	9.18002	0.184605	0.5508
IFNGR2	HGC_27con	HGC_27004	OK	19.8117	22.5195	0.184817	0.59
YWHAQ	HGC_27con	HGC_27004	OK	161.578	183.664	0.184844	0.4794
SDAD1	HGC_27con	HGC_27004	OK	10.9446	12.4411	0.184901	0.5186
ZNF816	HGC_27con	HGC_27004	OK	1.31282	1.49235	0.184913	0.7333
PET117	HGC_27con	HGC_27004	OK	8.12821	9.23978	0.184922	0.7125
DYNLT1	HGC_27con	HGC_27004	OK	46.2506	52.5773	0.184969	0.541
CC2D1B	HGC_27con	HGC_27004	OK	3.56771	4.05577	0.184979	0.5586
BAGE,BAGE5	HGC_27con	HGC_27004	OK	2.8617	3.25321	0.184992	0.823
PC	HGC_27con	HGC_27004	OK	6.98116	7.93644	0.185026	0.6606
UPF3B	HGC_27con	HGC_27004	OK	6.8964	7.84049	0.185099	0.5448
ZNF189	HGC_27con	HGC_27004	OK	7.07803	8.04699	0.185102	0.5488
LIN7C	HGC_27con	HGC_27004	OK	9.36687	10.6494	0.185135	0.5248
ATP6V0B	HGC_27con	HGC_27004	OK	65.034	73.9461	0.185279	0.503
FASTKD1	HGC_27con	HGC_27004	OK	7.70052	8.75607	0.185328	0.5521
SNRPA	HGC_27con	HGC_27004	OK	85.8644	97.6385	0.185391	0.4891
NRTN	HGC_27con	HGC_27004	OK	29.6346	33.6991	0.185427	0.6096
DLEU2	HGC_27con	HGC_27004	OK	1.11957	1.27318	0.185485	0.8496
ZNF695	HGC_27con	HGC_27004	OK	5.85685	6.66085	0.185581	0.7385
RHEB	HGC_27con	HGC_27004	OK	56.1509	63.8614	0.185634	0.4872
C6orf120	HGC_27con	HGC_27004	OK	6.99837	7.95953	0.185665	0.6638
SEMA3E	HGC_27con	HGC_27004	OK	6.71978	7.64278	0.185682	0.5164
GDF9	HGC_27con	HGC_27004	OK	0.31441	0.35761	0.185732	0.9262
RASA4	HGC_27con	HGC_27004	OK	1.92228	2.18648	0.185791	0.6234
NFKBIZ	HGC_27con	HGC_27004	OK	0.77301	0.87927	0.185812	0.8723
TPM3	HGC_27con	HGC_27004	OK	68.461	77.8814	0.185997	0.4638
CCNH	HGC_27con	HGC_27004	OK	42.4117	48.2482	0.186015	0.503
FBXL17	HGC_27con	HGC_27004	OK	7.85181	8.93249	0.186037	0.5317
GTPBP4	HGC_27con	HGC_27004	OK	40.1224	45.6449	0.186045	0.4857
NXT1	HGC_27con	HGC_27004	OK	24.9785	28.4198	0.186214	0.553
ATP6V1E2	HGC_27con	HGC_27004	OK	3.12323	3.55362	0.186252	0.6614
HSBP1	HGC_27con	HGC_27004	OK	37.4621	42.6256	0.186288	0.4983
ZBTB14	HGC_27con	HGC_27004	OK	4.44329	5.05592	0.186347	0.5808
ZNF292	HGC_27con	HGC_27004	OK	2.17874	2.47929	0.186433	0.5519
MASP2	HGC_27con	HGC_27004	OK	0.50207	0.57138	0.186576	0.7954
DTNBP1	HGC_27con	HGC_27004	OK	9.79723	11.1506	0.186678	0.5858
TFPT	HGC_27con	HGC_27004	OK	4.92879	5.61048	0.186889	0.7849
UGP2	HGC_27con	HGC_27004	OK	38.4184	43.7345	0.186972	0.4777
TCEA1	HGC_27con	HGC_27004	OK	172.181	196.009	0.186989	0.4702
CYC1	HGC_27con	HGC_27004	OK	152.725	173.862	0.187012	0.4811
CEP97	HGC_27con	HGC_27004	OK	4.15771	4.73341	0.187089	0.5199
DPM1	HGC_27con	HGC_27004	OK	33.0039	37.5749	0.187135	0.735
RAB21	HGC_27con	HGC_27004	OK	7.82515	8.90919	0.187176	0.5827
FGFBP3	HGC_27con	HGC_27004	OK	0.90874	1.03466	0.187224	0.7546
SUGP2	HGC_27con	HGC_27004	OK	30.6981	34.955	0.18735	0.4755
DHODH	HGC_27con	HGC_27004	OK	6.08427	6.92823	0.187403	0.595
KIAA1586	HGC_27con	HGC_27004	OK	6.26854	7.13813	0.187415	0.5615
XRCC6	HGC_27con	HGC_27004	OK	143.09	162.939	0.187416	0.4657
COL4A3BP	HGC_27con	HGC_27004	OK	4.611	5.25094	0.187498	0.6286
ARFIP1	HGC_27con	HGC_27004	OK	7.90175	8.99903	0.187597	0.5401
XRCC3	HGC_27con	HGC_27004	OK	26.1262	29.7553	0.187646	0.6558
APBB1	HGC_27con	HGC_27004	OK	6.56461	7.47648	0.187651	0.5772
NOL12	HGC_27con	HGC_27004	OK	6.35373	7.23645	0.18768	0.5753

PLEKHA5	HGC_27con	HGC_27004	OK	2.69895	3.07393	0.187686	0.5874
TRPV1	HGC_27con	HGC_27004	OK	0.93154	1.06096	0.187686	0.8063
FH	HGC_27con	HGC_27004	OK	57.4424	65.4249	0.187722	0.4833
FZD6	HGC_27con	HGC_27004	OK	7.02714	8.00421	0.187822	0.5479
HIC2	HGC_27con	HGC_27004	OK	1.62029	1.84564	0.187874	0.6273
TPTE2P6	HGC_27con	HGC_27004	NOTEST	0.2096	0.23877	0.188015	1
TRMT6	HGC_27con	HGC_27004	OK	11.534	13.1402	0.188088	0.5235
WNK2	HGC_27con	HGC_27004	OK	4.94949	5.63874	0.188093	0.5254
SAMHD1	HGC_27con	HGC_27004	OK	7.04447	8.02592	0.188174	0.5531
RBM22	HGC_27con	HGC_27004	OK	18.8065	21.4269	0.188186	0.5037
ZNF8	HGC_27con	HGC_27004	OK	1.85303	2.11172	0.188534	0.7068
FBXO31	HGC_27con	HGC_27004	OK	4.74679	5.40967	0.18859	0.5411
TSC22D2	HGC_27con	HGC_27004	OK	4.92253	5.61032	0.188681	0.5635
MB21D2	HGC_27con	HGC_27004	OK	1.59437	1.81719	0.188719	0.6971
POLR3A	HGC_27con	HGC_27004	OK	6.78391	7.73219	0.188759	0.5048
CCM2	HGC_27con	HGC_27004	OK	12.9161	14.7216	0.188763	0.5596
MED13	HGC_27con	HGC_27004	OK	9.49788	10.826	0.18883	0.4792
PMS2P4	HGC_27con	HGC_27004	OK	2.92396	3.33291	0.188859	0.7656
HMHA1	HGC_27con	HGC_27004	OK	7.31696	8.34079	0.188939	0.7312
TUBB	HGC_27con	HGC_27004	OK	406.967	463.933	0.189005	0.4678
LOC101929431	HGC_27con	HGC_27004	NOTEST	0.12888	0.14692	0.189024	1
IDH3A	HGC_27con	HGC_27004	OK	17.7854	20.2753	0.189034	0.5169
SCO2	HGC_27con	HGC_27004	OK	26.1213	29.7819	0.189212	0.7472
FANCG	HGC_27con	HGC_27004	OK	18.4013	20.9804	0.189234	0.5028
PTTG1	HGC_27con	HGC_27004	OK	79.8441	91.0431	0.189365	0.4922
LIN52	HGC_27con	HGC_27004	OK	8.51233	9.7066	0.189411	0.5828
DCUN1D5	HGC_27con	HGC_27004	OK	3.91804	4.46802	0.189505	0.5127
AXIN1	HGC_27con	HGC_27004	OK	8.86316	10.1074	0.18952	0.5199
SNRNP27	HGC_27con	HGC_27004	OK	17.2996	19.7307	0.189701	0.5289
TRRAP	HGC_27con	HGC_27004	OK	9.41468	10.7379	0.189734	0.5243
ZNF100	HGC_27con	HGC_27004	OK	2.63181	3.00196	0.189849	0.6022
KAT7	HGC_27con	HGC_27004	OK	13.7917	15.7316	0.189861	0.5021
ZBTB9	HGC_27con	HGC_27004	OK	4.85292	5.53552	0.189866	0.5941
ZNF229	HGC_27con	HGC_27004	OK	0.84867	0.96804	0.189867	0.6861
PTCD3	HGC_27con	HGC_27004	OK	16.8113	19.1764	0.189899	0.464
PURB	HGC_27con	HGC_27004	OK	14.2227	16.2237	0.189905	0.4739
ZNF718	HGC_27con	HGC_27004	OK	12.0703	13.7692	0.189988	0.6731
PCDHB18P	HGC_27con	HGC_27004	NOTEST	0.23315	0.26597	0.190002	1
CD2AP	HGC_27con	HGC_27004	OK	5.93758	6.7737	0.190068	0.5287
ZNF654	HGC_27con	HGC_27004	OK	1.63173	1.86158	0.190123	0.8475
ANKRD18A	HGC_27con	HGC_27004	OK	1.07056	1.22146	0.190235	0.6777
MDGA2	HGC_27con	HGC_27004	NOTEST	0.16401	0.18714	0.190307	1
DUS4L	HGC_27con	HGC_27004	OK	4.73087	5.39834	0.19041	0.8125
FGFR1	HGC_27con	HGC_27004	NOTEST	0.0751	0.08569	0.190469	1
PRKRA	HGC_27con	HGC_27004	OK	30.2891	34.564	0.19047	0.7314
VOPP1	HGC_27con	HGC_27004	OK	23.44	26.7482	0.190471	0.4988
TICRR	HGC_27con	HGC_27004	OK	3.46057	3.94899	0.190473	0.6123
BTBD1	HGC_27con	HGC_27004	OK	18.5705	21.1926	0.19055	0.4929
GTPBP3	HGC_27con	HGC_27004	OK	26.7006	30.4717	0.190594	0.4967
ANP32A	HGC_27con	HGC_27004	OK	51.4436	58.7099	0.190613	0.4677
NMU	HGC_27con	HGC_27004	OK	7.7116	8.80169	0.19075	0.6952
SNRPB2	HGC_27con	HGC_27004	OK	32.1556	36.7014	0.190764	0.4929
PRKAB1	HGC_27con	HGC_27004	OK	7.30787	8.34101	0.19077	0.5784
C10orf88	HGC_27con	HGC_27004	OK	2.98171	3.40343	0.190848	0.6368

SUCLG2	HGC_27con	HGC_27004	OK	14.5337	16.5899	0.190904	0.5091
SAFB	HGC_27con	HGC_27004	OK	27.5127	31.4056	0.19092	0.4779
PPA1	HGC_27con	HGC_27004	OK	149.04	170.134	0.190972	0.4634
PPP2CA	HGC_27con	HGC_27004	OK	63.5014	72.49	0.190995	0.4657
CAPZA2	HGC_27con	HGC_27004	OK	31.2138	35.6322	0.190996	0.4873
TXNDC5	HGC_27con	HGC_27004	OK	116.349	132.83	0.191123	0.4945
GTF2E2	HGC_27con	HGC_27004	OK	21.8011	24.8908	0.191209	0.5094
MAGOH2P	HGC_27con	HGC_27004	OK	0.46504	0.53098	0.191312	0.9229
ZNF410	HGC_27con	HGC_27004	OK	22.8121	26.047	0.19132	0.4897
MAGEA1	HGC_27con	HGC_27004	OK	16.717	19.0879	0.191344	0.5395
GK5	HGC_27con	HGC_27004	OK	1.23006	1.40464	0.191471	0.5905
NOP58	HGC_27con	HGC_27004	OK	38.6492	44.14	0.191645	0.4718
MTFR1L	HGC_27con	HGC_27004	OK	8.09678	9.24838	0.191852	0.6251
CCDC86	HGC_27con	HGC_27004	OK	16.4939	18.8402	0.191883	0.5201
ZFHX2	HGC_27con	HGC_27004	OK	0.58182	0.66462	0.191955	0.8271
PLS1	HGC_27con	HGC_27004	OK	5.93343	6.77827	0.192051	0.5423
GMPR	HGC_27con	HGC_27004	OK	2.35236	2.68751	0.192158	0.7191
ITCH	HGC_27con	HGC_27004	OK	11.3021	12.9129	0.192233	0.4751
LOC100506082	HGC_27con	HGC_27004	OK	2.59146	2.96086	0.19225	0.813
ALG10	HGC_27con	HGC_27004	OK	3.31261	3.78486	0.192271	0.6361
PARP2	HGC_27con	HGC_27004	OK	17.9522	20.513	0.192378	0.5048
ZNF675	HGC_27con	HGC_27004	OK	2.89369	3.30653	0.19241	0.6378
CDC20	HGC_27con	HGC_27004	OK	118.808	135.779	0.192636	0.4609
ACBD5	HGC_27con	HGC_27004	OK	16.2627	18.5863	0.192673	0.4706
SVBP	HGC_27con	HGC_27004	OK	14.03	16.0351	0.192712	0.6916
HACD3	HGC_27con	HGC_27004	OK	32.872	37.571	0.19276	0.4763
STRAP	HGC_27con	HGC_27004	OK	69.7316	79.7022	0.192808	0.4697
AGAP1	HGC_27con	HGC_27004	OK	4.81991	5.50937	0.19288	0.5101
ZFPM1	HGC_27con	HGC_27004	OK	1.74697	1.99698	0.19296	0.7104
TEX41	HGC_27con	HGC_27004	NOTEST	0.12079	0.13809	0.193012	1
WHSC1L1	HGC_27con	HGC_27004	OK	15.0585	17.2161	0.193179	0.4865
IBTK	HGC_27con	HGC_27004	OK	9.55925	10.9291	0.193205	0.4792
NUDT17	HGC_27con	HGC_27004	OK	1.9077	2.18125	0.193321	0.9036
SMYD3	HGC_27con	HGC_27004	OK	13.9647	15.9678	0.193373	0.5374
MRPS5	HGC_27con	HGC_27004	OK	48.0234	54.9155	0.193477	0.4774
NUS1	HGC_27con	HGC_27004	OK	15.9998	18.297	0.193555	0.4852
B3GLCT	HGC_27con	HGC_27004	OK	3.88159	4.43931	0.193687	0.5789
PPP2R2A	HGC_27con	HGC_27004	OK	16.6387	19.0313	0.193829	0.4765
RNF14	HGC_27con	HGC_27004	OK	7.7127	8.82176	0.193831	0.5099
TMEM92	HGC_27con	HGC_27004	OK	0.52531	0.60086	0.193862	0.764
NR2F2	HGC_27con	HGC_27004	OK	7.01296	8.02215	0.193966	0.5214
ZBTB24	HGC_27con	HGC_27004	OK	3.31108	3.78788	0.19409	0.6594
ITIH5	HGC_27con	HGC_27004	NOTEST	0.02447	0.028	0.194093	1
GZF1	HGC_27con	HGC_27004	OK	5.07218	5.80288	0.194162	0.5352
AP3S2	HGC_27con	HGC_27004	OK	2.78182	3.18279	0.194264	0.7445
SUCLG1	HGC_27con	HGC_27004	OK	73.7815	84.4236	0.194388	0.4683
VTI1A	HGC_27con	HGC_27004	OK	3.05142	3.49169	0.194445	0.5746
SLC27A4	HGC_27con	HGC_27004	OK	8.08658	9.25369	0.194499	0.8773
C3orf38	HGC_27con	HGC_27004	OK	4.5648	5.22395	0.194589	0.8411
RPA3	HGC_27con	HGC_27004	OK	23.4609	26.8492	0.194618	0.5695
NSRP1	HGC_27con	HGC_27004	OK	10.8261	12.3899	0.194653	0.4834
GALNT8	HGC_27con	HGC_27004	NOTEST	0.08235	0.09425	0.194717	1
MFHAS1	HGC_27con	HGC_27004	OK	7.25858	8.30756	0.194738	0.5083
NSMAF	HGC_27con	HGC_27004	OK	16.138	18.4706	0.194769	0.476

SLC33A1	HGC_27con	HGC_27004	OK	18.1162	20.7361	0.194862	0.4794
NPTN-IT1	HGC_27con	HGC_27004	OK	0.7817	0.89475	0.194875	0.8852
TMEM5-AS1	HGC_27con	HGC_27004	OK	1.00919	1.15515	0.194883	0.9119
TCOF1	HGC_27con	HGC_27004	OK	10.8521	12.4223	0.194958	0.4747
CISD1	HGC_27con	HGC_27004	OK	15.8574	18.152	0.19497	0.5212
METTL16	HGC_27con	HGC_27004	OK	5.64499	6.46241	0.195101	0.5129
CSNK1G1	HGC_27con	HGC_27004	OK	4.08039	4.67126	0.195105	0.5108
TAB2	HGC_27con	HGC_27004	OK	10.6532	12.1959	0.19511	0.4968
ATP2A3	HGC_27con	HGC_27004	OK	2.35409	2.69503	0.195135	0.6095
NECAP1	HGC_27con	HGC_27004	OK	12.0455	13.7907	0.195195	0.5216
GULP1	HGC_27con	HGC_27004	OK	6.23796	7.14186	0.195226	0.5408
RCN1	HGC_27con	HGC_27004	OK	88.1691	100.945	0.195227	0.4484
CLEC2D	HGC_27con	HGC_27004	OK	0.44585	0.51049	0.19535	0.7259
CDC23	HGC_27con	HGC_27004	OK	16.7923	19.229	0.195485	0.648
RBBP5	HGC_27con	HGC_27004	OK	6.58502	7.5411	0.195587	0.5047
YY1	HGC_27con	HGC_27004	OK	44.0599	50.4592	0.19565	0.4605
TOR3A	HGC_27con	HGC_27004	OK	16.6674	19.0891	0.195724	0.5119
IDH1	HGC_27con	HGC_27004	OK	102.857	117.803	0.195732	0.4387
RASSF8-AS1	HGC_27con	HGC_27004	OK	4.1981	4.80865	0.195893	0.8568
NBEAL2	HGC_27con	HGC_27004	OK	4.32303	4.95212	0.196004	0.5672
FANCB	HGC_27con	HGC_27004	OK	1.14054	1.30653	0.196025	0.7088
SFPQ	HGC_27con	HGC_27004	OK	118.093	135.281	0.196037	0.4444
NTAN1	HGC_27con	HGC_27004	OK	13.9485	15.9794	0.196102	0.8362
ABHD12B	HGC_27con	HGC_27004	NOTEST	0.27663	0.31692	0.19612	1
ANKIB1	HGC_27con	HGC_27004	OK	9.37718	10.7429	0.196162	0.4844
SPATS2L	HGC_27con	HGC_27004	OK	7.65171	8.76682	0.196272	0.4884
NGDN	HGC_27con	HGC_27004	OK	19.9874	22.9007	0.196306	0.5236
SRSF2	HGC_27con	HGC_27004	OK	135.388	155.129	0.196362	0.5152
UHRF1	HGC_27con	HGC_27004	OK	21.4594	24.5885	0.196369	0.4648
FAM95A	HGC_27con	HGC_27004	NOTEST	0.06599	0.07562	0.196415	1
USP45	HGC_27con	HGC_27004	OK	2.10728	2.41468	0.19645	0.5794
SHANK2	HGC_27con	HGC_27004	NOTEST	0.00338	0.00388	0.196557	1
TPRKB	HGC_27con	HGC_27004	OK	43.1475	49.4465	0.196592	0.5052
SCYL2	HGC_27con	HGC_27004	OK	16.9826	19.4618	0.196594	0.4768
HOMER3	HGC_27con	HGC_27004	OK	27.1952	31.1657	0.196606	0.5156
MED17	HGC_27con	HGC_27004	OK	7.19293	8.24341	0.196661	0.5333
RBMXL1	HGC_27con	HGC_27004	OK	4.66305	5.34406	0.196663	0.6535
PDIA5	HGC_27con	HGC_27004	OK	5.20457	5.96481	0.196695	0.5883
NCK2	HGC_27con	HGC_27004	OK	10.8735	12.4622	0.196734	0.5341
ADCY3	HGC_27con	HGC_27004	OK	12.9621	14.857	0.196845	0.5863
ZNF713	HGC_27con	HGC_27004	OK	1.11163	1.27428	0.197005	0.6694
GATA6-AS1	HGC_27con	HGC_27004	OK	0.76613	0.87823	0.19701	0.7753
BACE2	HGC_27con	HGC_27004	OK	5.99919	6.87728	0.197069	0.4818
THAP1	HGC_27con	HGC_27004	OK	4.67189	5.35577	0.197087	0.6126
RGS12	HGC_27con	HGC_27004	OK	2.27791	2.61152	0.197183	0.6006
LBR	HGC_27con	HGC_27004	OK	27.4865	31.5125	0.1972	0.4558
LAMP3	HGC_27con	HGC_27004	OK	0.76491	0.87698	0.197244	0.7509
LARS2	HGC_27con	HGC_27004	OK	5.01096	5.7452	0.197268	0.5191
TWIST1	HGC_27con	HGC_27004	OK	156.97	179.978	0.197326	0.4476
UBE2N	HGC_27con	HGC_27004	OK	17.1142	19.6227	0.197331	0.5045
EHD4	HGC_27con	HGC_27004	OK	4.60693	5.28228	0.197355	0.5756
ZNF43	HGC_27con	HGC_27004	NOTEST	0.07818	0.08965	0.197424	1
CTNS	HGC_27con	HGC_27004	OK	2.77587	3.1832	0.197538	0.7489
HACD1	HGC_27con	HGC_27004	OK	25.0545	28.7312	0.197549	0.5306

APOPT1	HGC_27con	HGC_27004	OK	31.0917	35.6548	0.197568	0.4952
FGFR4	HGC_27con	HGC_27004	OK	13.712	15.7249	0.197614	0.5016
CCDC122	HGC_27con	HGC_27004	OK	0.45294	0.51943	0.197629	0.7786
EMC2	HGC_27con	HGC_27004	OK	11.9632	13.7203	0.197703	0.5472
TFEB	HGC_27con	HGC_27004	OK	3.81364	4.37423	0.19786	0.625
ILF2	HGC_27con	HGC_27004	OK	146.209	167.705	0.197895	0.4476
ZNF501	HGC_27con	HGC_27004	OK	0.47884	0.54925	0.197895	0.7555
UMAD1	HGC_27con	HGC_27004	OK	10.7584	12.3414	0.198037	0.6615
CBX3	HGC_27con	HGC_27004	OK	189.948	217.906	0.198102	0.4379
ZNF217	HGC_27con	HGC_27004	OK	6.96696	7.99249	0.198116	0.4933
LRP1-AS	HGC_27con	HGC_27004	OK	0.60264	0.69138	0.198174	0.9214
SCRIB	HGC_27con	HGC_27004	OK	13.5825	15.5825	0.198186	0.47
PCNP	HGC_27con	HGC_27004	OK	49.979	57.3388	0.19819	0.4574
NEK2	HGC_27con	HGC_27004	OK	14.1761	16.2647	0.198276	0.4932
PAK2	HGC_27con	HGC_27004	OK	21.7975	25.0099	0.198333	0.4636
NCOA6	HGC_27con	HGC_27004	OK	11.2601	12.9199	0.19838	0.4636
VTA1	HGC_27con	HGC_27004	OK	11.4671	13.1575	0.198391	0.4865
BRD4	HGC_27con	HGC_27004	OK	27.8235	31.9253	0.198393	0.4425
ATP8B2	HGC_27con	HGC_27004	OK	15.4511	17.7296	0.19845	0.5008
HOXA11	HGC_27con	HGC_27004	OK	11.519	13.2195	0.198657	0.5142
CHD9	HGC_27con	HGC_27004	OK	5.90632	6.77838	0.198681	0.4476
DENND4C	HGC_27con	HGC_27004	OK	5.98563	6.86956	0.198714	0.4754
SLC25A17	HGC_27con	HGC_27004	OK	16.523	18.9632	0.198722	0.5018
CCDC90B	HGC_27con	HGC_27004	OK	9.31172	10.6874	0.198797	0.4982
RBM28	HGC_27con	HGC_27004	OK	8.8173	10.1208	0.198917	0.5016
MTHFS	HGC_27con	HGC_27004	OK	8.3907	9.63127	0.198935	0.6137
RFC1	HGC_27con	HGC_27004	OK	10.529	12.086	0.198979	0.8407
CENPV	HGC_27con	HGC_27004	OK	57.5761	66.0912	0.198989	0.4891
PTER	HGC_27con	HGC_27004	OK	8.29471	9.52221	0.199105	0.5172
MBLAC2	HGC_27con	HGC_27004	OK	9.95586	11.4299	0.199198	0.5049
SENP5	HGC_27con	HGC_27004	OK	6.20711	7.12682	0.199337	0.485
NCOA7	HGC_27con	HGC_27004	OK	4.00397	4.59729	0.199353	0.5001
NUTM2B-AS1	HGC_27con	HGC_27004	OK	12.0811	13.8715	0.199367	0.6489
FAM96A	HGC_27con	HGC_27004	OK	35.3796	40.6242	0.199419	0.4976
HIF1AN	HGC_27con	HGC_27004	OK	12.7362	14.6259	0.199584	0.4556
BRIX1	HGC_27con	HGC_27004	OK	36.5193	41.9397	0.199657	0.4805
KIF1C	HGC_27con	HGC_27004	OK	10.9538	12.58	0.199704	0.4493
ZNF518A	HGC_27con	HGC_27004	OK	8.97017	10.3019	0.199704	0.4573
LOC101929199	HGC_27con	HGC_27004	OK	0.41912	0.48135	0.199737	0.7685
LYRM2	HGC_27con	HGC_27004	OK	5.24833	6.02766	0.199738	0.692
SMIM7	HGC_27con	HGC_27004	OK	58.285	66.9431	0.199809	0.469
SPPL2A	HGC_27con	HGC_27004	OK	16.7111	19.194	0.199847	0.5158
AGPAT6	HGC_27con	HGC_27004	OK	9.20745	10.5761	0.19993	0.5268
DDHD2	HGC_27con	HGC_27004	OK	14.8737	17.0851	0.199978	0.5086
FAM204A	HGC_27con	HGC_27004	OK	5.99006	6.88069	0.199984	0.5372
SLC43A1	HGC_27con	HGC_27004	OK	21.1505	24.2963	0.200042	0.4974
CSNK1G3	HGC_27con	HGC_27004	OK	11.1923	12.8587	0.200241	0.4763
MYHAS	HGC_27con	HGC_27004	NOTEST	0.05112	0.05874	0.200275	1
TIAL1	HGC_27con	HGC_27004	OK	17.6413	20.2698	0.200375	0.4607
RWDD2A	HGC_27con	HGC_27004	OK	3.98863	4.58293	0.200378	0.8493
TXNL1	HGC_27con	HGC_27004	OK	66.8355	76.7986	0.200466	0.4543
PSMD1	HGC_27con	HGC_27004	OK	26.6809	30.6607	0.200584	0.4555
INO80	HGC_27con	HGC_27004	OK	7.90655	9.08612	0.200617	0.4682
RPAP1	HGC_27con	HGC_27004	OK	13.0384	14.9838	0.200641	0.4736

TPST2	HGC_27con	HGC_27004	OK	3.72233	4.27792	0.200703	0.6607
FAM178A	HGC_27con	HGC_27004	OK	12.8806	14.8044	0.20083	0.6306
N4BP1	HGC_27con	HGC_27004	OK	11.6901	13.4362	0.20083	0.6589
RIMS1	HGC_27con	HGC_27004	NOTEST	0.20473	0.23532	0.200849	1
ERI2	HGC_27con	HGC_27004	OK	7.41967	8.52818	0.200882	0.5652
NDUFA12	HGC_27con	HGC_27004	OK	58.2738	66.9803	0.20089	0.508
AKAP1	HGC_27con	HGC_27004	OK	12.2148	14.0401	0.200923	0.4739
ZC3HAV1L	HGC_27con	HGC_27004	OK	3.66303	4.21051	0.200957	0.6692
CUTC	HGC_27con	HGC_27004	OK	17.3593	19.9545	0.201007	0.7606
ANKRD46	HGC_27con	HGC_27004	OK	5.48766	6.30878	0.20117	0.5726
KCNAB1	HGC_27con	HGC_27004	NOTEST	0.22427	0.25783	0.201188	1
CDKL5	HGC_27con	HGC_27004	OK	0.32649	0.37536	0.201255	0.763
FUCA2	HGC_27con	HGC_27004	OK	19.4358	22.3454	0.201261	0.4822
PELP1	HGC_27con	HGC_27004	OK	13.1534	15.1236	0.201368	0.4712
ZNF614	HGC_27con	HGC_27004	OK	1.56526	1.79985	0.201466	0.6184
HNF4G	HGC_27con	HGC_27004	OK	2.67964	3.08131	0.201506	0.5915
CNOT11	HGC_27con	HGC_27004	OK	24.627	28.3198	0.201574	0.4804
SMA4	HGC_27con	HGC_27004	OK	3.48926	4.01252	0.201586	0.7294
RBFOX3	HGC_27con	HGC_27004	NOTEST	0.17382	0.19991	0.20171	1
ASF1A	HGC_27con	HGC_27004	OK	12.4703	14.3423	0.201776	0.5355
CAAP1	HGC_27con	HGC_27004	OK	12.1063	13.9254	0.20196	0.4826
TBL1X	HGC_27con	HGC_27004	OK	6.97862	8.02732	0.201975	0.4831
TIMM23B	HGC_27con	HGC_27004	OK	4.31606	4.96471	0.201995	0.8956
EFHD2	HGC_27con	HGC_27004	OK	8.0439	9.25285	0.202003	0.5521
EIF2AK2	HGC_27con	HGC_27004	OK	9.12129	10.4922	0.202012	0.4754
CDC27	HGC_27con	HGC_27004	OK	15.0523	17.3155	0.202082	0.4509
TRIM27	HGC_27con	HGC_27004	OK	39.1527	45.04	0.202095	0.4472
TMEM241	HGC_27con	HGC_27004	OK	6.17832	7.10745	0.202118	0.5613
APPL1	HGC_27con	HGC_27004	OK	8.89635	10.2344	0.202147	0.4709
ATPAF1	HGC_27con	HGC_27004	OK	29.002	33.3656	0.202206	0.4762
C22orf23	HGC_27con	HGC_27004	OK	6.47683	7.45164	0.202271	0.7155
WBP11	HGC_27con	HGC_27004	OK	25.046	28.816	0.202293	0.4612
DLG1	HGC_27con	HGC_27004	OK	13.5413	15.5801	0.202338	0.4543
SMURF1	HGC_27con	HGC_27004	OK	6.29416	7.24253	0.20248	0.7059
MDH1	HGC_27con	HGC_27004	OK	122.14	140.547	0.202523	0.4407
ATF1	HGC_27con	HGC_27004	OK	14.8749	17.117	0.202545	0.4865
TCF19	HGC_27con	HGC_27004	OK	9.33979	10.7477	0.202569	0.482
AP1AR	HGC_27con	HGC_27004	OK	10.3216	11.8776	0.202579	0.4936
FBXO11	HGC_27con	HGC_27004	OK	21.1574	24.347	0.202584	0.6248
ZFYVE26	HGC_27con	HGC_27004	OK	3.16799	3.64562	0.202595	0.4995
RPRD1A	HGC_27con	HGC_27004	OK	21.1035	24.2863	0.202661	0.4657
BRMS1L	HGC_27con	HGC_27004	OK	4.30263	4.95195	0.20278	0.5781
CBR3	HGC_27con	HGC_27004	OK	12.7726	14.7004	0.2028	0.5682
OSTC	HGC_27con	HGC_27004	OK	118.933	136.885	0.202818	0.4403
RIT1	HGC_27con	HGC_27004	OK	6.71607	7.72992	0.202837	0.5225
FAM60A	HGC_27con	HGC_27004	OK	28.0142	32.2455	0.202942	0.448
RANBP1	HGC_27con	HGC_27004	OK	106.468	122.554	0.203001	0.5329
SCARA3	HGC_27con	HGC_27004	OK	4.33847	4.99423	0.203075	0.5549
NUCKS1	HGC_27con	HGC_27004	OK	98.475	113.361	0.203099	0.4275
PARPBP	HGC_27con	HGC_27004	OK	3.67101	4.22598	0.203107	0.588
CNPY1	HGC_27con	HGC_27004	OK	8.39393	9.663	0.203125	0.5489
EMILIN2	HGC_27con	HGC_27004	OK	0.75338	0.86733	0.203195	0.699
NANP	HGC_27con	HGC_27004	OK	3.91379	4.50582	0.203221	0.5684
TAF1B	HGC_27con	HGC_27004	OK	7.73708	8.9077	0.203264	0.5232

SLC7A6	HGC_27con	HGC_27004	OK	10.8012	12.4359	0.203324	0.4986
NFKB1B	HGC_27con	HGC_27004	OK	6.57543	7.57069	0.20334	0.7495
PLAA	HGC_27con	HGC_27004	OK	11.8447	13.6377	0.203353	0.5028
NUP160	HGC_27con	HGC_27004	OK	18.4704	21.267	0.203398	0.4508
BCRP3	HGC_27con	HGC_27004	NOTEST	0.13363	0.15387	0.203412	1
BRD7	HGC_27con	HGC_27004	OK	42.0405	48.4088	0.20349	0.4253
ASH1L-AS1	HGC_27con	HGC_27004	OK	1.81001	2.08428	0.20355	0.9197
DST	HGC_27con	HGC_27004	OK	4.40972	5.07822	0.203634	0.4458
GHR	HGC_27con	HGC_27004	OK	1.05993	1.22064	0.203674	0.6636
SUPT16H	HGC_27con	HGC_27004	OK	40.643	46.8101	0.203812	0.4216
POTEE	HGC_27con	HGC_27004	NOTEST	0.20191	0.23256	0.20387	1
ACAP2	HGC_27con	HGC_27004	OK	9.4306	10.8621	0.20388	0.4625
SRD5A3-AS1	HGC_27con	HGC_27004	NOTEST	0.16574	0.1909	0.20389	1
CYBB	HGC_27con	HGC_27004	NOTEST	0.10791	0.12429	0.20398	1
ST3GAL4	HGC_27con	HGC_27004	OK	27.606	31.8	0.204047	0.4828
FBXO5	HGC_27con	HGC_27004	OK	10.0818	11.6141	0.204126	0.5167
NDUFA9	HGC_27con	HGC_27004	OK	58.7545	67.6849	0.204134	0.4495
POMK	HGC_27con	HGC_27004	OK	1.62336	1.87011	0.204138	0.7139
SOS1	HGC_27con	HGC_27004	OK	15.5512	17.9153	0.204168	0.4456
FAM171B	HGC_27con	HGC_27004	OK	9.45738	10.8965	0.204353	0.4917
UBE3C	HGC_27con	HGC_27004	OK	25.5002	29.3807	0.204356	0.4453
POGLUT1	HGC_27con	HGC_27004	OK	7.27917	8.38712	0.2044	0.5161
SUPV3L1	HGC_27con	HGC_27004	OK	14.4857	16.6921	0.20453	0.4821
TLK1	HGC_27con	HGC_27004	OK	7.73169	8.90937	0.20454	0.4663
TRIM3	HGC_27con	HGC_27004	OK	5.04183	5.8098	0.204543	0.5728
PRR35	HGC_27con	HGC_27004	OK	2.76683	3.18832	0.204563	0.6782
PAM	HGC_27con	HGC_27004	OK	34.6273	39.9025	0.204573	0.4243
C9orf85	HGC_27con	HGC_27004	OK	6.63461	7.64582	0.20466	0.5933
FANCI	HGC_27con	HGC_27004	OK	16.629	19.167	0.204928	0.5541
RPF2	HGC_27con	HGC_27004	OK	10.1623	11.7138	0.204983	0.4742
SYVN1	HGC_27con	HGC_27004	OK	29.182	33.6374	0.204989	0.7415
OR8J1	HGC_27con	HGC_27004	OK	0.57661	0.66464	0.204994	0.8344
TRUB1	HGC_27con	HGC_27004	OK	7.88064	9.08438	0.205074	0.5156
DHRS11	HGC_27con	HGC_27004	OK	8.06585	9.29788	0.205075	0.5851
LOC103344931	HGC_27con	HGC_27004	OK	1.7108	1.97221	0.205141	0.6271
KIFAP3	HGC_27con	HGC_27004	OK	12.7371	14.6835	0.205158	0.4643
WHAMMP1	HGC_27con	HGC_27004	OK	2.27643	2.62431	0.20516	0.6808
CHUK	HGC_27con	HGC_27004	OK	16.428	18.943	0.205501	0.4586
TXNDC15	HGC_27con	HGC_27004	OK	9.94289	11.4659	0.205607	0.4863
PSMF1	HGC_27con	HGC_27004	OK	25.3874	29.2762	0.20562	0.4492
LOC646762	HGC_27con	HGC_27004	OK	4.76792	5.49839	0.205651	0.5095
TAP2	HGC_27con	HGC_27004	OK	10.3283	11.9107	0.205657	0.5043
HSD11B1L	HGC_27con	HGC_27004	OK	6.20227	7.15291	0.205733	0.7669
QTRTD1	HGC_27con	HGC_27004	OK	4.72357	5.44757	0.205736	0.5312
ANO6	HGC_27con	HGC_27004	OK	17.0272	19.6372	0.205753	0.449
ZNHIT3	HGC_27con	HGC_27004	OK	25.3024	29.1815	0.205779	0.7386
PAFAH1B2	HGC_27con	HGC_27004	OK	28.1334	32.447	0.205798	0.4313
MX1	HGC_27con	HGC_27004	NOTEST	0.10189	0.11751	0.205801	1
TMPO	HGC_27con	HGC_27004	OK	41.1125	47.4199	0.205916	0.4376
ERGIC1	HGC_27con	HGC_27004	OK	26.9122	31.0421	0.205964	0.4525
DNAJB14	HGC_27con	HGC_27004	OK	5.24651	6.05174	0.205993	0.5259
UBE2B	HGC_27con	HGC_27004	OK	14.2551	16.4434	0.20603	0.4971
INMT	HGC_27con	HGC_27004	OK	0.52546	0.60615	0.206098	0.7627
EIF2B3	HGC_27con	HGC_27004	OK	16.4538	18.9806	0.206104	0.4871

POLE	HGC_27con	HGC_27004	OK	7.59446	8.76086	0.206125	0.4582
KPNA3	HGC_27con	HGC_27004	OK	19.0049	21.9251	0.206211	0.4513
GNMT	HGC_27con	HGC_27004	NOTEST	0.15056	0.1737	0.206226	1
SLC38A1	HGC_27con	HGC_27004	OK	65.7244	75.8263	0.206271	0.4154
TSC22D1-AS1	HGC_27con	HGC_27004	OK	1.4134	1.63066	0.206291	0.9189
SMC1A	HGC_27con	HGC_27004	OK	19.8464	22.8974	0.206303	0.4169
CFL2	HGC_27con	HGC_27004	OK	36.1133	41.665	0.206307	0.4379
SPOPL	HGC_27con	HGC_27004	OK	2.96414	3.41994	0.206354	0.548
TADA1	HGC_27con	HGC_27004	OK	9.69518	11.186	0.206355	0.53
HERPUD1	HGC_27con	HGC_27004	OK	119.962	138.409	0.20636	0.425
SYNC	HGC_27con	HGC_27004	OK	9.6952	11.1873	0.206523	0.6773
LAMB1	HGC_27con	HGC_27004	OK	55.4025	63.9308	0.206562	0.4224
QRSL1	HGC_27con	HGC_27004	OK	7.6666	8.84741	0.206667	0.4878
ANXA9	HGC_27con	HGC_27004	OK	1.03257	1.19169	0.206764	0.7372
C17orf104	HGC_27con	HGC_27004	NOTEST	0.14271	0.16473	0.206938	1
GYG1	HGC_27con	HGC_27004	OK	14.911	17.2123	0.207063	0.5007
ZNF682	HGC_27con	HGC_27004	OK	1.43454	1.65595	0.207063	0.6471
ANLN	HGC_27con	HGC_27004	OK	24.2833	28.0314	0.207077	0.4592
AMD1	HGC_27con	HGC_27004	OK	23.1944	26.775	0.207115	0.5006
MINPP1	HGC_27con	HGC_27004	OK	12.8404	14.8229	0.207142	0.4897
ZNF548	HGC_27con	HGC_27004	OK	1.60801	1.85631	0.207157	0.6255
BPHL	HGC_27con	HGC_27004	OK	18.0506	20.8382	0.207179	0.48
CHN1	HGC_27con	HGC_27004	OK	27.3499	31.5744	0.207222	0.4435
ARHGAP17	HGC_27con	HGC_27004	OK	7.03108	8.11756	0.207298	0.4908
PJA1	HGC_27con	HGC_27004	OK	6.89107	7.95621	0.207353	0.5082
ABCG4	HGC_27con	HGC_27004	OK	0.72183	0.83341	0.207377	0.7296
DNMT1	HGC_27con	HGC_27004	OK	48.6476	56.1706	0.207445	0.4028
ADRBK1	HGC_27con	HGC_27004	OK	14.5528	16.8059	0.207666	0.4724
SRPRB	HGC_27con	HGC_27004	OK	19.6073	22.6455	0.207839	0.4558
KIF3B	HGC_27con	HGC_27004	OK	4.40545	5.0883	0.207896	0.4886
MLEC	HGC_27con	HGC_27004	OK	19.437	22.452	0.208042	0.4274
PLEKHA2	HGC_27con	HGC_27004	OK	8.997	10.3928	0.208075	0.4678
ACTR3B	HGC_27con	HGC_27004	OK	7.38635	8.53281	0.208159	0.5353
MCMBP	HGC_27con	HGC_27004	OK	15.2251	17.5884	0.20817	0.444
PLA2G15	HGC_27con	HGC_27004	OK	3.89894	4.50494	0.208425	0.61
NAB2	HGC_27con	HGC_27004	OK	11.4359	13.2134	0.208431	0.7123
GLUD1	HGC_27con	HGC_27004	OK	52.2358	60.3586	0.208521	0.4224
GTPBP10	HGC_27con	HGC_27004	OK	3.49326	4.03652	0.208535	0.5036
ASB1	HGC_27con	HGC_27004	OK	6.01084	6.94582	0.20858	0.4801
RAE1	HGC_27con	HGC_27004	OK	20.306	23.4646	0.208582	0.4808
SORD	HGC_27con	HGC_27004	OK	21.9193	25.3292	0.208603	0.4508
MYPOP	HGC_27con	HGC_27004	OK	3.78528	4.37423	0.208627	0.6687
TIPRL	HGC_27con	HGC_27004	OK	23.5999	27.2722	0.208649	0.4873
DPP6	HGC_27con	HGC_27004	NOTEST	0.08775	0.10141	0.208707	1
KDM2B	HGC_27con	HGC_27004	OK	4.79739	5.54431	0.208758	0.4885
SHISA7	HGC_27con	HGC_27004	NOTEST	0.15787	0.18245	0.208764	1
KIF2C	HGC_27con	HGC_27004	OK	22.0872	25.5267	0.2088	0.4386
HRAS	HGC_27con	HGC_27004	OK	16.3535	18.9018	0.208921	0.5199
PROC	HGC_27con	HGC_27004	NOTEST	0.08727	0.10087	0.208971	1
SENP1	HGC_27con	HGC_27004	OK	9.71651	11.231	0.208979	0.7344
C9orf64	HGC_27con	HGC_27004	OK	15.0884	17.4403	0.208983	0.4771
CFAP126	HGC_27con	HGC_27004	OK	4.05294	4.6848	0.209018	0.9038
NCKAP1	HGC_27con	HGC_27004	OK	46.6749	53.9521	0.209032	0.417
SRPK1	HGC_27con	HGC_27004	OK	23.0131	26.6015	0.209048	0.4227

GTF2H2	HGC_27con	HGC_27004	OK	0.71853	0.83058	0.209074	0.7438
LOC344887	HGC_27con	HGC_27004	OK	1.02851	1.1889	0.209075	0.7248
TMEM251	HGC_27con	HGC_27004	OK	20.8591	24.1125	0.209107	0.5247
RBM26	HGC_27con	HGC_27004	OK	10.6629	12.3263	0.209145	0.4427
TRIAP1	HGC_27con	HGC_27004	OK	14.524	16.7898	0.209149	0.548
BBS10	HGC_27con	HGC_27004	OK	4.35912	5.03995	0.209372	0.5512
SCMH1	HGC_27con	HGC_27004	OK	21.3488	24.6833	0.20938	0.4557
METTL14	HGC_27con	HGC_27004	OK	4.29499	4.96612	0.209462	0.5318
FAR1	HGC_27con	HGC_27004	OK	18.6278	21.5423	0.209714	0.4389
TOMM20	HGC_27con	HGC_27004	OK	125.556	145.201	0.209717	0.3984
IPO9	HGC_27con	HGC_27004	OK	10.3851	12.01	0.209724	0.4719
RCCD1	HGC_27con	HGC_27004	OK	14.494	16.7623	0.20976	0.4701
CA5BP1	HGC_27con	HGC_27004	OK	4.8653	5.62672	0.209765	0.6945
IQGAP2	HGC_27con	HGC_27004	OK	3.14941	3.64231	0.209775	0.5111
QSER1	HGC_27con	HGC_27004	OK	8.69404	10.0551	0.209835	0.4443
SNORA70	HGC_27con	HGC_27004	OK	513.759	594.206	0.209872	0.9334
BLOC156	HGC_27con	HGC_27004	OK	14.6883	16.9886	0.209896	0.4553
LSM14B	HGC_27con	HGC_27004	OK	22.0219	25.4717	0.209957	0.461
PRPF39	HGC_27con	HGC_27004	OK	9.99877	11.5653	0.209984	0.7055
MTDH	HGC_27con	HGC_27004	OK	30.3745	35.1337	0.209996	0.4142
ZC3H12C	HGC_27con	HGC_27004	OK	2.03881	2.3583	0.210019	0.5433
SH3RF1	HGC_27con	HGC_27004	OK	2.67513	3.09454	0.210114	0.5465
RIF1	HGC_27con	HGC_27004	OK	4.29062	4.96337	0.210133	0.4618
PCGF1	HGC_27con	HGC_27004	OK	31.3081	36.2185	0.210189	0.5261
SLC9A2	HGC_27con	HGC_27004	OK	2.11614	2.44812	0.210237	0.5667
EFCAB13	HGC_27con	HGC_27004	OK	0.40281	0.46603	0.210332	0.7429
ARL4C	HGC_27con	HGC_27004	OK	2.56086	2.96286	0.210363	0.5877
DCTPP1	HGC_27con	HGC_27004	OK	32.3704	37.4528	0.210399	0.4914
SMYD2	HGC_27con	HGC_27004	OK	39.1476	45.2965	0.210477	0.4406
MCM2	HGC_27con	HGC_27004	OK	25.8257	29.8824	0.21049	0.4361
C2orf49	HGC_27con	HGC_27004	OK	5.57736	6.45354	0.210507	0.5064
TMEM18	HGC_27con	HGC_27004	OK	17.4583	20.2013	0.210536	0.4747
CTH	HGC_27con	HGC_27004	OK	29.006	33.564	0.210566	0.4559
CCDC115	HGC_27con	HGC_27004	OK	11.615	13.4421	0.210767	0.5048
IREB2	HGC_27con	HGC_27004	OK	16.2318	18.7856	0.210802	0.4314
B4GALNT3	HGC_27con	HGC_27004	OK	1.42146	1.64515	0.210841	0.6426
MIEF1	HGC_27con	HGC_27004	OK	17.4209	20.1637	0.210947	0.4328
SRP68	HGC_27con	HGC_27004	OK	41.9667	48.5751	0.210972	0.4277
GAN	HGC_27con	HGC_27004	OK	1.39646	1.61637	0.210984	0.6314
ZNF17	HGC_27con	HGC_27004	OK	1.24552	1.44174	0.211064	0.6874
C1orf111	HGC_27con	HGC_27004	NOTEST	0.18839	0.2181	0.211294	1
SLC31A1	HGC_27con	HGC_27004	OK	16.989	19.6706	0.211442	0.4349
ASIC1	HGC_27con	HGC_27004	OK	5.59958	6.48348	0.211449	0.5105
HGSNAT	HGC_27con	HGC_27004	OK	10.3174	11.9484	0.211748	0.4604
FBXW11	HGC_27con	HGC_27004	OK	18.5579	21.4956	0.212003	0.4333
CHMP4A	HGC_27con	HGC_27004	OK	20.745	24.0291	0.212021	0.4751
GLRX3	HGC_27con	HGC_27004	OK	25.6226	29.6804	0.212094	0.4552
XRCC5	HGC_27con	HGC_27004	OK	99.8992	115.722	0.212118	0.4118
FBXL19	HGC_27con	HGC_27004	OK	24.0369	27.8458	0.212211	0.4617
XKR6	HGC_27con	HGC_27004	OK	0.76261	0.88347	0.212225	0.7128
CHCHD3	HGC_27con	HGC_27004	OK	40.2241	46.5987	0.212229	0.4362
WASL	HGC_27con	HGC_27004	OK	11.6355	13.4803	0.212325	0.4575
KIF18A	HGC_27con	HGC_27004	OK	7.22851	8.37466	0.212333	0.4802
TM2D3	HGC_27con	HGC_27004	OK	15.9281	18.4545	0.212399	0.5248

RNF157	HGC_27con	HGC_27004	OK	8.93299	10.3502	0.21244	0.4482
PER3	HGC_27con	HGC_27004	OK	16.093	18.6463	0.212458	0.4252
PHIP	HGC_27con	HGC_27004	OK	7.07951	8.20366	0.212618	0.4309
KCNG3	HGC_27con	HGC_27004	OK	0.57998	0.67209	0.212654	0.7388
PRDX1	HGC_27con	HGC_27004	OK	316.558	366.84	0.212683	0.4273
HSP90AB1	HGC_27con	HGC_27004	OK	563.144	652.684	0.212882	0.4186
CKMT2	HGC_27con	HGC_27004	NOTEST	0.11852	0.13737	0.212904	1
SLC35E1	HGC_27con	HGC_27004	OK	17.5362	20.3248	0.212905	0.4364
ENOSF1	HGC_27con	HGC_27004	OK	28.8469	33.4341	0.212905	0.5034
KHK	HGC_27con	HGC_27004	OK	2.03993	2.36462	0.213084	0.7472
TULP1	HGC_27con	HGC_27004	NOTEST	0.04964	0.05755	0.213164	1
FER	HGC_27con	HGC_27004	OK	2.20736	2.55886	0.213178	0.5307
MAPRE1	HGC_27con	HGC_27004	OK	51.3558	59.5344	0.213196	0.4253
EHBP1L1	HGC_27con	HGC_27004	OK	6.59138	7.64151	0.213278	0.4585
MED1	HGC_27con	HGC_27004	OK	12.023	13.9399	0.213418	0.4265
ICE1	HGC_27con	HGC_27004	OK	9.91424	11.496	0.213563	0.428
NDC1	HGC_27con	HGC_27004	OK	22.9237	26.5813	0.213572	0.4229
RNF170	HGC_27con	HGC_27004	OK	8.04107	9.32418	0.21359	0.4727
GALNT12	HGC_27con	HGC_27004	OK	14.856	17.2266	0.213593	0.4714
DIAPH1	HGC_27con	HGC_27004	OK	22.6481	26.2641	0.213702	0.406
CDCA2	HGC_27con	HGC_27004	OK	7.08143	8.21235	0.213754	0.4716
CDAN1	HGC_27con	HGC_27004	OK	4.08375	4.73593	0.213755	0.5253
NEFL	HGC_27con	HGC_27004	OK	0.91979	1.06673	0.213824	0.6741
SYTL4	HGC_27con	HGC_27004	OK	0.99958	1.15932	0.213884	0.6552
LINC00266-3	HGC_27con	HGC_27004	OK	0.68068	0.78947	0.21389	0.8734
SLC9A6	HGC_27con	HGC_27004	OK	6.78167	7.86559	0.213913	0.4788
CMTR2	HGC_27con	HGC_27004	OK	14.4496	16.7597	0.21397	0.4368
SLC36A1	HGC_27con	HGC_27004	OK	4.49776	5.21714	0.214051	0.4916
STAM2	HGC_27con	HGC_27004	OK	3.34956	3.88536	0.214076	0.5235
PSMA4	HGC_27con	HGC_27004	OK	95.6792	110.985	0.214093	0.4152
APOL4	HGC_27con	HGC_27004	OK	0.31972	0.37087	0.214101	0.7488
KIF18B	HGC_27con	HGC_27004	OK	10.4383	12.1083	0.214105	0.4517
NOS1AP	HGC_27con	HGC_27004	OK	1.19735	1.38897	0.21417	0.6369
MED6	HGC_27con	HGC_27004	OK	10.2717	11.9157	0.214183	0.4885
SLC7A5	HGC_27con	HGC_27004	OK	176.878	205.195	0.21424	0.3951
NAE1	HGC_27con	HGC_27004	OK	43.8879	50.9141	0.214242	0.4253
RUSC1	HGC_27con	HGC_27004	OK	21.0132	24.3783	0.214306	0.7254
GGNBP2	HGC_27con	HGC_27004	OK	16.7563	19.4405	0.21436	0.4432
SCTR	HGC_27con	HGC_27004	NOTEST	0.09346	0.10844	0.214479	1
TIFA	HGC_27con	HGC_27004	OK	5.49986	6.38227	0.214673	0.545
HELT	HGC_27con	HGC_27004	NOTEST	0.21844	0.25349	0.214706	1
GTDC1	HGC_27con	HGC_27004	OK	1.24796	1.4484	0.214881	0.6913
LSM4	HGC_27con	HGC_27004	OK	107.685	124.984	0.214918	0.4064
ZNF320	HGC_27con	HGC_27004	OK	1.87209	2.17302	0.215054	0.5584
CEP44	HGC_27con	HGC_27004	OK	9.46223	10.9833	0.215061	0.5047
CUZD1	HGC_27con	HGC_27004	OK	0.31455	0.36519	0.215351	0.8911
FKBP4	HGC_27con	HGC_27004	OK	34.6005	40.1724	0.215408	0.4167
APOOL	HGC_27con	HGC_27004	OK	6.5498	7.60455	0.215412	0.4697
UBE2V2	HGC_27con	HGC_27004	OK	28.9104	33.5666	0.215439	0.4476
ACYP2	HGC_27con	HGC_27004	OK	2.71209	3.14913	0.215548	0.7113
PAPD5	HGC_27con	HGC_27004	OK	5.85197	6.79548	0.215654	0.4403
WDR36	HGC_27con	HGC_27004	OK	8.51918	9.89342	0.215754	0.4533
ZNF776	HGC_27con	HGC_27004	OK	1.58561	1.84149	0.215836	0.5812
ZNF202	HGC_27con	HGC_27004	OK	3.80722	4.4218	0.215894	0.5072

ADAMTS2	HGC_27con	HGC_27004	OK	8.38061	9.7345	0.216052	0.5807
NAT8L	HGC_27con	HGC_27004	NOTEST	0.05328	0.06189	0.216057	1
PRDX4	HGC_27con	HGC_27004	OK	84.9694	98.7007	0.216116	0.4382
YBX1	HGC_27con	HGC_27004	OK	643.906	747.973	0.216136	0.4118
ABT1	HGC_27con	HGC_27004	OK	12.5972	14.6336	0.216178	0.4952
UBE2Q2P1	HGC_27con	HGC_27004	OK	0.90418	1.05035	0.216193	0.7252
SP3	HGC_27con	HGC_27004	OK	15.8438	18.4057	0.216228	0.411
STARD7-AS1	HGC_27con	HGC_27004	OK	6.74528	7.83595	0.21623	0.7968
LOC100129917	HGC_27con	HGC_27004	OK	7.56548	8.78886	0.216245	0.6415
CEP135	HGC_27con	HGC_27004	OK	1.67783	1.94915	0.216252	0.5525
TXNRD1	HGC_27con	HGC_27004	OK	42.4948	49.3708	0.216372	0.3951
RCOR1	HGC_27con	HGC_27004	OK	22.3299	25.9437	0.216409	0.4178
BNC2	HGC_27con	HGC_27004	OK	2.63782	3.06501	0.216543	0.4636
CLEC2B	HGC_27con	HGC_27004	OK	5.3094	6.16933	0.216564	0.549
AUNIP	HGC_27con	HGC_27004	OK	4.02724	4.6796	0.216594	0.7185
KLHL13	HGC_27con	HGC_27004	OK	8.44154	9.81087	0.216874	0.475
MED4	HGC_27con	HGC_27004	OK	10.3802	12.065	0.216997	0.5125
CENPL	HGC_27con	HGC_27004	OK	8.2809	9.62608	0.217161	0.4889
ZFAND2A	HGC_27con	HGC_27004	OK	21.6101	25.1206	0.217166	0.5214
LHPP	HGC_27con	HGC_27004	OK	4.75401	5.52728	0.217424	0.6065
CTTNBP2	HGC_27con	HGC_27004	OK	1.93895	2.25444	0.217489	0.543
FAM20B	HGC_27con	HGC_27004	OK	9.68527	11.2613	0.217514	0.4332
HNRNPH3	HGC_27con	HGC_27004	OK	58.6515	68.1961	0.217522	0.4372
GAS2L3	HGC_27con	HGC_27004	OK	3.75384	4.36475	0.217533	0.5
UGT8	HGC_27con	HGC_27004	OK	5.84786	6.79964	0.217549	0.527
SLC26A2	HGC_27con	HGC_27004	OK	4.98968	5.80242	0.21771	0.4586
SNORA10	HGC_27con	HGC_27004	OK	94.1162	109.449	0.217739	0.9213
IFI44	HGC_27con	HGC_27004	OK	1.1067	1.28701	0.217755	0.7234
COMMD2	HGC_27con	HGC_27004	OK	7.56728	8.8005	0.217811	0.4847
NDUFA6	HGC_27con	HGC_27004	OK	59.1095	68.7432	0.217828	0.4253
MAPK8	HGC_27con	HGC_27004	OK	5.24005	6.09448	0.217922	0.4819
ARHGAP11B	HGC_27con	HGC_27004	OK	1.92423	2.23846	0.21823	0.728
TXLNG	HGC_27con	HGC_27004	OK	4.67552	5.4391	0.218241	0.4826
SMCHD1	HGC_27con	HGC_27004	OK	10.5977	12.3287	0.218269	0.4237
WAPAL	HGC_27con	HGC_27004	OK	8.63925	10.0508	0.218339	0.4283
DOCK6	HGC_27con	HGC_27004	OK	15.7355	18.3074	0.218404	0.4242
AK2	HGC_27con	HGC_27004	OK	26.634	30.9893	0.218503	0.4241
PTPN3	HGC_27con	HGC_27004	OK	5.44605	6.33705	0.218599	0.4589
GUCY1B3	HGC_27con	HGC_27004	OK	9.28004	10.7984	0.218622	0.4643
SNRPD1	HGC_27con	HGC_27004	OK	35.4513	41.2529	0.218654	0.4258
UBE3A	HGC_27con	HGC_27004	OK	12.0239	13.9938	0.218891	0.4206
CYB5RL	HGC_27con	HGC_27004	OK	2.32823	2.7097	0.218902	0.5866
ORAI2	HGC_27con	HGC_27004	OK	3.76746	4.38551	0.219153	0.4979
KIAA1804	HGC_27con	HGC_27004	OK	3.59916	4.18967	0.219176	0.5113
CA13	HGC_27con	HGC_27004	OK	4.66481	5.43038	0.219234	0.5382
FANCC	HGC_27con	HGC_27004	OK	19.2732	22.4365	0.219256	0.426
ABCA17P	HGC_27con	HGC_27004	NOTEST	0.14295	0.16641	0.219273	1
TEX264	HGC_27con	HGC_27004	OK	19.0815	22.2156	0.219395	0.5036
RFC4	HGC_27con	HGC_27004	OK	34.3601	40.0055	0.219462	0.7614
FBXL2	HGC_27con	HGC_27004	OK	0.67299	0.78358	0.21951	0.7216
HNRNPM	HGC_27con	HGC_27004	OK	97.0102	112.953	0.219515	0.3904
SVIL-AS1	HGC_27con	HGC_27004	OK	14.0923	16.4083	0.21952	0.6602
FADS2	HGC_27con	HGC_27004	OK	4.81529	5.60675	0.219543	0.7609
FAM168B	HGC_27con	HGC_27004	OK	33.7587	39.3103	0.219647	0.404

NAA20	HGC_27con	HGC_27004	OK	45.8364	53.3775	0.219738	0.4467
ANKLE2	HGC_27con	HGC_27004	OK	7.1193	8.2915	0.219898	0.4526
BICD2	HGC_27con	HGC_27004	OK	13.3562	15.5556	0.219925	0.4125
JAZF1	HGC_27con	HGC_27004	OK	9.41307	10.964	0.220037	0.4774
GART	HGC_27con	HGC_27004	OK	57.329	66.78	0.220152	0.4155
ALG9	HGC_27con	HGC_27004	OK	6.21499	7.24003	0.220244	0.4609
ZNF625	HGC_27con	HGC_27004	NOTEST	0.26442	0.30805	0.220339	1
SNRPC	HGC_27con	HGC_27004	OK	55.4436	64.602	0.220558	0.4212
SNORA81	HGC_27con	HGC_27004	OK	42.736	49.7959	0.220572	0.9207
CHD2	HGC_27con	HGC_27004	OK	7.21357	8.40534	0.220593	0.4926
VSIG10L	HGC_27con	HGC_27004	OK	2.4669	2.87448	0.220605	0.6095
ASPM	HGC_27con	HGC_27004	OK	9.5707	11.152	0.220606	0.4109
CPSF2	HGC_27con	HGC_27004	OK	31.134	36.2797	0.220673	0.3995
ANKRD7	HGC_27con	HGC_27004	OK	2.18453	2.54577	0.220778	0.6873
KHSRP	HGC_27con	HGC_27004	OK	80.0658	93.3157	0.220933	0.3904
ZKSCAN3	HGC_27con	HGC_27004	OK	1.1007	1.28294	0.221032	0.6347
BAG4	HGC_27con	HGC_27004	OK	8.82594	10.2873	0.221037	0.5431
MFN1	HGC_27con	HGC_27004	OK	8.51792	9.92897	0.221144	0.4675
DYNC1LI1	HGC_27con	HGC_27004	OK	12.4829	14.551	0.221159	0.4529
RAB28	HGC_27con	HGC_27004	OK	6.76371	7.8845	0.221204	0.5505
IQCH-AS1	HGC_27con	HGC_27004	OK	7.54124	8.79099	0.221224	0.9233
ELOVL6	HGC_27con	HGC_27004	OK	4.47025	5.21152	0.22135	0.5067
HUS1	HGC_27con	HGC_27004	OK	4.6407	5.41024	0.22135	0.5437
RNF146	HGC_27con	HGC_27004	OK	5.17001	6.02777	0.221458	0.5357
THOC1	HGC_27con	HGC_27004	OK	18.9459	22.0893	0.221467	0.4274
PCTP	HGC_27con	HGC_27004	OK	4.0009	4.66483	0.221501	0.5621
PGRMC2	HGC_27con	HGC_27004	OK	12.6005	14.6921	0.221562	0.4364
LOC101927577	HGC_27con	HGC_27004	OK	0.34604	0.40348	0.221563	0.82
HHIP	HGC_27con	HGC_27004	OK	3.6938	4.30708	0.221602	0.5349
LMAN1	HGC_27con	HGC_27004	OK	66.4003	77.4262	0.221633	0.3823
NBPF3	HGC_27con	HGC_27004	OK	2.84504	3.31773	0.221745	0.5172
GATA6	HGC_27con	HGC_27004	OK	12.5486	14.634	0.221797	0.4628
ACTL6A	HGC_27con	HGC_27004	OK	24.4761	28.5502	0.222124	0.439
MTPAP	HGC_27con	HGC_27004	OK	9.00556	10.5055	0.222263	0.4431
TRIM39	HGC_27con	HGC_27004	OK	5.41616	6.3183	0.222267	0.7213
TRAF6	HGC_27con	HGC_27004	OK	2.62769	3.0655	0.222326	0.4902
BRSK1	HGC_27con	HGC_27004	OK	2.31408	2.69971	0.222364	0.6019
TTLL4	HGC_27con	HGC_27004	OK	5.61669	6.55291	0.222414	0.4675
RBBP4	HGC_27con	HGC_27004	OK	12.9055	15.0572	0.22247	0.4666
CTSC	HGC_27con	HGC_27004	OK	29.7959	34.7646	0.222504	0.4494
LEPROTL1	HGC_27con	HGC_27004	OK	14.7644	17.2272	0.222565	0.7545
PRKX	HGC_27con	HGC_27004	OK	2.00424	2.33867	0.222635	0.5426
HMBOX1	HGC_27con	HGC_27004	OK	4.48354	5.23233	0.222817	0.5056
ERI3-IT1	HGC_27con	HGC_27004	OK	0.60172	0.70222	0.22282	0.9035
CENPO	HGC_27con	HGC_27004	OK	6.75062	7.87846	0.222894	0.6603
CHCHD7	HGC_27con	HGC_27004	OK	4.39926	5.13432	0.222911	0.567
TMCO3	HGC_27con	HGC_27004	OK	6.44311	7.5197	0.222918	0.5054
ADAM11	HGC_27con	HGC_27004	OK	3.17907	3.71034	0.222945	0.5295
LINC01502	HGC_27con	HGC_27004	OK	0.51618	0.60248	0.223044	0.7377
BLOC1S5	HGC_27con	HGC_27004	OK	8.00452	9.34303	0.223075	0.8273
TUBGCP3	HGC_27con	HGC_27004	OK	9.15936	10.691	0.223078	0.4612
NDUFAB1	HGC_27con	HGC_27004	OK	119.708	139.731	0.223139	0.4376
CCBL2	HGC_27con	HGC_27004	OK	18.758	21.8957	0.223139	0.5253
ATIC	HGC_27con	HGC_27004	OK	80.7808	94.3016	0.223271	0.394

CCDC73	HGC_27con	HGC_27004	OK	4.53843	5.29831	0.223339	0.7719
USP37	HGC_27con	HGC_27004	OK	3.60631	4.21042	0.223444	0.4586
ACSM3	HGC_27con	HGC_27004	OK	1.30215	1.52028	0.223444	0.8611
METTL2B	HGC_27con	HGC_27004	OK	6.97258	8.14079	0.223475	0.5084
TOPBP1	HGC_27con	HGC_27004	OK	8.98174	10.4867	0.223488	0.4246
PSMA6	HGC_27con	HGC_27004	OK	85.5083	99.8391	0.22354	0.408
GIGYF2	HGC_27con	HGC_27004	OK	10.0781	11.7674	0.223576	0.5929
PERP	HGC_27con	HGC_27004	OK	8.62071	10.0663	0.22366	0.4564
RPRML	HGC_27con	HGC_27004	OK	7.59942	8.87384	0.22367	0.6554
LINC00672	HGC_27con	HGC_27004	OK	0.42417	0.49532	0.223701	0.7229
CNBD2	HGC_27con	HGC_27004	NOTEST	0.09534	0.11134	0.223815	1
CASP7	HGC_27con	HGC_27004	OK	3.63077	4.24022	0.223862	0.5516
FAM103A1	HGC_27con	HGC_27004	OK	10.4952	12.2578	0.223961	0.5655
KIF26B	HGC_27con	HGC_27004	OK	2.69976	3.15327	0.224014	0.4983
ZNF506	HGC_27con	HGC_27004	OK	4.48942	5.24364	0.224041	0.507
MRPL14	HGC_27con	HGC_27004	OK	48.5756	56.7385	0.224097	0.4564
FANCA	HGC_27con	HGC_27004	OK	10.6528	12.4435	0.22415	0.6582
HOMER1	HGC_27con	HGC_27004	OK	6.31353	7.3755	0.224293	0.4533
SHANK3	HGC_27con	HGC_27004	OK	2.80496	3.27692	0.224358	0.5127
TUBG1	HGC_27con	HGC_27004	OK	24.3687	28.4697	0.224396	0.5152
GLMN	HGC_27con	HGC_27004	OK	7.05454	8.2423	0.224497	0.5888
CCT2	HGC_27con	HGC_27004	OK	78.5603	91.7897	0.224533	0.3958
TGFB1	HGC_27con	HGC_27004	OK	30.9547	36.168	0.224557	0.4214
LRRC37A	HGC_27con	HGC_27004	NOTEST	0.22222	0.25967	0.224704	1
NOX1	HGC_27con	HGC_27004	NOTEST	0.09994	0.1168	0.224919	1
LOC100506551	HGC_27con	HGC_27004	NOTEST	0.24928	0.29134	0.224928	1
ADORA2A	HGC_27con	HGC_27004	OK	0.95437	1.11541	0.224952	0.9141
PPM1K	HGC_27con	HGC_27004	OK	4.25522	4.97329	0.224967	0.4683
KCNK5	HGC_27con	HGC_27004	OK	1.68128	1.96509	0.225033	0.606
AGO2	HGC_27con	HGC_27004	OK	4.18918	4.8964	0.225054	0.5238
STK10	HGC_27con	HGC_27004	OK	3.95275	4.62014	0.225078	0.4623
ZNF280C	HGC_27con	HGC_27004	OK	3.34576	3.91086	0.22515	0.5188
ITGB1BP2	HGC_27con	HGC_27004	OK	0.50913	0.59513	0.225181	0.9031
SLBP	HGC_27con	HGC_27004	OK	32.839	38.3886	0.22527	0.4055
GTF3C6	HGC_27con	HGC_27004	OK	32.2662	37.7205	0.225325	0.4397
GPR35	HGC_27con	HGC_27004	NOTEST	0.11348	0.13266	0.225347	1
MLLT10	HGC_27con	HGC_27004	OK	16.843	19.6919	0.225457	0.5434
C16orf52	HGC_27con	HGC_27004	OK	3.53789	4.13635	0.225468	0.526
CCP110	HGC_27con	HGC_27004	OK	3.7747	4.41349	0.225556	0.4656
XBP1	HGC_27con	HGC_27004	OK	95.2202	111.346	0.225714	0.3767
UBA6	HGC_27con	HGC_27004	OK	8.67978	10.1499	0.225732	0.4155
POLR3D	HGC_27con	HGC_27004	OK	17.3133	20.2465	0.225793	0.4327
FOXRED2	HGC_27con	HGC_27004	OK	22.563	26.3857	0.225801	0.4011
TMEM26	HGC_27con	HGC_27004	OK	0.72521	0.84809	0.225816	0.6827
MAGT1	HGC_27con	HGC_27004	OK	39.8941	46.6542	0.225832	0.3918
POU3F3	HGC_27con	HGC_27004	OK	9.21905	10.7813	0.225837	0.4433
SMIM15	HGC_27con	HGC_27004	OK	22.8961	26.7766	0.225874	0.4078
TPI1	HGC_27con	HGC_27004	OK	260.617	304.804	0.225953	0.3772
DNASE1L2	HGC_27con	HGC_27004	OK	1.18595	1.38702	0.225954	0.7478
FBXO30	HGC_27con	HGC_27004	OK	4.94163	5.78015	0.226119	0.598
PSMD14	HGC_27con	HGC_27004	OK	27.9042	32.6392	0.226126	0.4271
FAM83H	HGC_27con	HGC_27004	NOTEST	0.08745	0.10229	0.22613	1
METAP1	HGC_27con	HGC_27004	OK	21.9991	25.7327	0.226155	0.4172
DAPK2	HGC_27con	HGC_27004	OK	0.56034	0.65545	0.226172	0.7201

NFAT5	HGC_27con	HGC_27004	OK	6.08741	7.12073	0.226197	0.4044
PLXNA2	HGC_27con	HGC_27004	OK	2.23285	2.61213	0.226345	0.4666
C21orf33	HGC_27con	HGC_27004	OK	54.2889	63.5119	0.226371	0.404
C8orf88	HGC_27con	HGC_27004	OK	19.9224	23.307	0.226373	0.5326
PSMA7	HGC_27con	HGC_27004	OK	130.249	152.379	0.22639	0.3959
ECHS1	HGC_27con	HGC_27004	OK	44.0244	51.5111	0.226579	0.4189
EPHB4	HGC_27con	HGC_27004	OK	20.1331	23.5576	0.22662	0.4185
WDR43	HGC_27con	HGC_27004	OK	23.191	27.136	0.226644	0.3933
CCDC18	HGC_27con	HGC_27004	OK	1.60397	1.87684	0.226665	0.5292
HSPA4	HGC_27con	HGC_27004	OK	44.2128	51.7357	0.226695	0.3821
COX7A2	HGC_27con	HGC_27004	OK	154.592	180.909	0.226794	0.3961
CXXC4	HGC_27con	HGC_27004	OK	0.72953	0.85373	0.226802	0.6671
ADCK2	HGC_27con	HGC_27004	OK	16.8602	19.7317	0.226892	0.4445
C5orf34	HGC_27con	HGC_27004	OK	4.14827	4.85483	0.226913	0.5467
COMMD5	HGC_27con	HGC_27004	OK	8.25435	9.66035	0.226921	0.5572
LOC100419583	HGC_27con	HGC_27004	OK	8.69249	10.1736	0.226991	0.4901
ZNF616	HGC_27con	HGC_27004	OK	1.54726	1.81094	0.227018	0.6146
LOC100507661	HGC_27con	HGC_27004	OK	1.17608	1.37655	0.227065	0.7774
CELSR3	HGC_27con	HGC_27004	OK	1.19801	1.40235	0.227201	0.532
CLTC	HGC_27con	HGC_27004	OK	60.7423	71.1056	0.22726	0.3657
NCAPG	HGC_27con	HGC_27004	OK	10.3965	12.1707	0.227319	0.4533
PRRC1	HGC_27con	HGC_27004	OK	23.7352	27.7866	0.227358	0.3925
MIR503HG	HGC_27con	HGC_27004	OK	1.05311	1.23298	0.227492	0.7848
LOC440896	HGC_27con	HGC_27004	NOTEST	0.09863	0.11548	0.227502	1
ZBED5	HGC_27con	HGC_27004	OK	20.9373	24.5151	0.227594	0.4042
MRPS34	HGC_27con	HGC_27004	OK	73.7647	86.3755	0.227693	0.4126
WDFY2	HGC_27con	HGC_27004	OK	3.87737	4.54029	0.227707	0.5243
CCDC43	HGC_27con	HGC_27004	OK	12.7228	14.8983	0.227732	0.439
PPP1R15A	HGC_27con	HGC_27004	OK	14.3065	16.7534	0.227787	0.4138
GNPAT	HGC_27con	HGC_27004	OK	27.7213	32.4673	0.227997	0.4459
WASF1	HGC_27con	HGC_27004	OK	10.6182	12.437	0.228103	0.4473
ICA1L	HGC_27con	HGC_27004	OK	1.10438	1.29372	0.228295	0.7777
TRDMT1	HGC_27con	HGC_27004	OK	1.80116	2.11004	0.228339	0.5214
NOP16	HGC_27con	HGC_27004	OK	34.2487	40.1224	0.228356	0.4262
ALG8	HGC_27con	HGC_27004	OK	25.7183	30.1317	0.228489	0.6221
CHD8	HGC_27con	HGC_27004	OK	9.21081	10.7915	0.228492	0.3866
ZBTB6	HGC_27con	HGC_27004	OK	4.72615	5.53738	0.228536	0.4981
MAVS	HGC_27con	HGC_27004	OK	10.7667	12.615	0.22856	0.3806
SETBP1	HGC_27con	HGC_27004	OK	2.65282	3.10824	0.22857	0.4832
TUBA1B	HGC_27con	HGC_27004	OK	438.34	513.592	0.228573	0.3739
SPTLC1	HGC_27con	HGC_27004	OK	36.6579	42.9512	0.228576	0.4219
FAM195A	HGC_27con	HGC_27004	OK	31.5033	36.9152	0.228709	0.5026
SNHG16	HGC_27con	HGC_27004	OK	103.394	121.156	0.228712	0.3775
ALG2	HGC_27con	HGC_27004	OK	27.8129	32.5914	0.228734	0.3899
ANKRD40	HGC_27con	HGC_27004	OK	14.9099	17.4734	0.228888	0.4131
NFE2L2	HGC_27con	HGC_27004	OK	31.8904	37.3765	0.229007	0.3833
EVI5	HGC_27con	HGC_27004	OK	3.81684	4.47438	0.229311	0.4362
TMEM234	HGC_27con	HGC_27004	OK	1.79496	2.10419	0.229313	0.7198
CHD5	HGC_27con	HGC_27004	OK	1.37196	1.6087	0.229652	0.5028
AGTPBP1	HGC_27con	HGC_27004	OK	16.4619	19.3028	0.229678	0.3894
MKKS	HGC_27con	HGC_27004	OK	14.4107	16.8983	0.229738	0.4163
SOCS4	HGC_27con	HGC_27004	OK	11.0015	12.9012	0.229809	0.3899
TBP	HGC_27con	HGC_27004	OK	5.87016	6.88417	0.229883	0.5497
ZNF236	HGC_27con	HGC_27004	OK	1.91206	2.2424	0.229913	0.5029

FBXW2	HGC_27con	HGC_27004	OK	8.03695	9.42593	0.229987	0.4048
FAAP24	HGC_27con	HGC_27004	OK	4.84356	5.6808	0.230027	0.5525
MIOS	HGC_27con	HGC_27004	OK	17.636	20.6854	0.23009	0.4125
RDM1	HGC_27con	HGC_27004	OK	2.00522	2.35201	0.230134	0.7144
RSBN1L	HGC_27con	HGC_27004	OK	9.35375	10.9724	0.230259	0.4849
LINC00852	HGC_27con	HGC_27004	OK	0.6781	0.7955	0.23036	0.2639
PDLIM4	HGC_27con	HGC_27004	OK	20.6774	24.264	0.230764	0.4236
RDH14	HGC_27con	HGC_27004	OK	10.8553	12.7392	0.23088	0.505
ZFP82	HGC_27con	HGC_27004	OK	0.63595	0.74643	0.231086	0.7172
CEP78	HGC_27con	HGC_27004	OK	9.66075	11.3392	0.231117	0.4424
CTRL	HGC_27con	HGC_27004	OK	0.94635	1.11077	0.231125	0.4889
DAP3	HGC_27con	HGC_27004	OK	58.7515	68.9625	0.231187	0.3824
PBX2	HGC_27con	HGC_27004	OK	24.524	28.7867	0.231209	0.3935
PHF20	HGC_27con	HGC_27004	OK	6.8821	8.07872	0.231277	0.4161
HSPH1	HGC_27con	HGC_27004	OK	10.6253	12.473	0.231303	0.3929
RBM12B	HGC_27con	HGC_27004	OK	8.37153	9.828	0.231407	0.4176
SLC37A3	HGC_27con	HGC_27004	OK	9.10764	10.6924	0.231433	0.4415
SLC11A2	HGC_27con	HGC_27004	OK	17.6001	20.6634	0.231493	0.4176
SERP1	HGC_27con	HGC_27004	OK	65.3378	76.716	0.231611	0.3702
TAF9	HGC_27con	HGC_27004	OK	71.0102	83.3765	0.231614	0.4969
CASC5	HGC_27con	HGC_27004	OK	3.6409	4.27508	0.231659	0.4215
HSH2D	HGC_27con	HGC_27004	NOTEST	0.17434	0.20472	0.231711	1
TOP3A	HGC_27con	HGC_27004	OK	9.65718	11.3403	0.231781	0.4271
ANAPC13	HGC_27con	HGC_27004	OK	25.3739	29.7971	0.231824	0.5053
TRAPPC1	HGC_27con	HGC_27004	OK	54.3132	63.7845	0.231902	0.4303
ZNF507	HGC_27con	HGC_27004	OK	7.77079	9.12601	0.231923	0.4027
AVL9	HGC_27con	HGC_27004	OK	9.87045	11.5925	0.232007	0.4122
PRMT1	HGC_27con	HGC_27004	OK	86.3957	101.472	0.232043	0.3797
ERGIC2	HGC_27con	HGC_27004	OK	17.3207	20.3434	0.23206	0.4334
USP15	HGC_27con	HGC_27004	OK	5.55938	6.53016	0.232194	0.4877
DOLPP1	HGC_27con	HGC_27004	OK	12.2278	14.3635	0.232238	0.4599
TOPORS	HGC_27con	HGC_27004	OK	5.45337	6.40708	0.232519	0.5926
RABGAP1L	HGC_27con	HGC_27004	OK	7.27446	8.54689	0.23256	0.4457
PXK	HGC_27con	HGC_27004	OK	5.08282	5.97197	0.232577	0.4991
HSD11B2	HGC_27con	HGC_27004	OK	0.8182	0.96134	0.232595	0.7439
CHML	HGC_27con	HGC_27004	OK	5.277	6.20022	0.232601	0.4512
PKNOX2	HGC_27con	HGC_27004	OK	3.21242	3.77455	0.232643	0.5008
ZBTB33	HGC_27con	HGC_27004	OK	10.0921	11.859	0.23276	0.4101
SNX15	HGC_27con	HGC_27004	OK	11.2588	13.231	0.232871	0.6585
NCAPH	HGC_27con	HGC_27004	OK	5.87134	6.90008	0.232922	0.4179
TSEN15	HGC_27con	HGC_27004	OK	64.806	76.1699	0.233094	0.3776
CHODL	HGC_27con	HGC_27004	OK	26.1654	30.7544	0.233132	0.4047
DESI2	HGC_27con	HGC_27004	OK	33.3451	39.1934	0.233135	0.3742
STX12	HGC_27con	HGC_27004	OK	4.17014	4.90162	0.233163	0.5288
COPS3	HGC_27con	HGC_27004	OK	59.5479	69.9958	0.233219	0.3814
HNRNPU-AS1	HGC_27con	HGC_27004	OK	18.6465	21.9185	0.233242	0.3931
CD207	HGC_27con	HGC_27004	OK	1.02607	1.20612	0.233251	0.7117
HNRNPLL	HGC_27con	HGC_27004	OK	18.1225	21.3037	0.233322	0.3988
NIFK	HGC_27con	HGC_27004	OK	34.3667	40.3995	0.233325	0.412
RNF144A	HGC_27con	HGC_27004	OK	1.911	2.24656	0.233387	0.5455
BEND6	HGC_27con	HGC_27004	OK	1.9089	2.24412	0.23341	0.6101
KMT2E-AS1	HGC_27con	HGC_27004	OK	0.76874	0.90374	0.233428	0.6914
ZDHC14	HGC_27con	HGC_27004	OK	1.8866	2.218	0.233472	0.6344
TVP23B	HGC_27con	HGC_27004	OK	11.3713	13.3692	0.233526	0.4889

TP53BP1	HGC_27con	HGC_27004	OK	9.8553	11.5872	0.233554	0.5668
USP3	HGC_27con	HGC_27004	OK	7.96123	9.36038	0.233577	0.4239
CBX5	HGC_27con	HGC_27004	OK	40.6406	47.7871	0.233698	0.3642
EXO1	HGC_27con	HGC_27004	OK	9.32401	10.9637	0.233716	0.4213
CD63	HGC_27con	HGC_27004	OK	442.698	520.554	0.233724	0.3593
MTCH2	HGC_27con	HGC_27004	OK	45.4988	53.5023	0.233772	0.3844
FOXP1	HGC_27con	HGC_27004	OK	2.39518	2.8166	0.23382	0.5328
BUD13	HGC_27con	HGC_27004	OK	8.7275	10.2649	0.234077	0.4568
NOXA1	HGC_27con	HGC_27004	NOTEST	0.19246	0.22636	0.234082	1
ANP32E	HGC_27con	HGC_27004	OK	38.5284	45.3157	0.23409	0.3666
MEGF6	HGC_27con	HGC_27004	OK	2.50923	2.95143	0.23417	0.4786
WASIR2	HGC_27con	HGC_27004	OK	1.38056	1.624	0.234296	0.7346
TBCE	HGC_27con	HGC_27004	OK	12.2612	14.4233	0.234309	0.6585
STON2	HGC_27con	HGC_27004	OK	2.78512	3.27634	0.234344	0.459
BRI3BP	HGC_27con	HGC_27004	OK	4.64283	5.46184	0.234383	0.6987
MED9	HGC_27con	HGC_27004	OK	7.00137	8.23659	0.234408	0.507
IPO4	HGC_27con	HGC_27004	OK	28.2528	33.2388	0.234472	0.3752
PPRC1	HGC_27con	HGC_27004	OK	29.1253	34.2664	0.234523	0.3698
INO80D	HGC_27con	HGC_27004	OK	1.73309	2.03905	0.234551	0.4533
TANK	HGC_27con	HGC_27004	OK	6.87316	8.087	0.234631	0.5855
CCNC	HGC_27con	HGC_27004	OK	19.9477	23.4728	0.234767	0.4184
GTF3C4	HGC_27con	HGC_27004	OK	9.56644	11.2572	0.234791	0.496
RPL23AP87	HGC_27con	HGC_27004	OK	0.64044	0.75365	0.234829	0.7259
LOC728323	HGC_27con	HGC_27004	OK	2.31284	2.72168	0.234833	0.6515
ARHGAP21	HGC_27con	HGC_27004	OK	9.64877	11.355	0.234916	0.3876
RLIM	HGC_27con	HGC_27004	OK	7.01111	8.25147	0.235009	0.3752
RYBP	HGC_27con	HGC_27004	OK	4.35705	5.12812	0.235077	0.4779
MAN2A1	HGC_27con	HGC_27004	OK	10.8351	12.7527	0.235094	0.3924
ZC3H7A	HGC_27con	HGC_27004	OK	11.3514	13.3605	0.2351	0.4107
TMEM70	HGC_27con	HGC_27004	OK	12.223	14.3868	0.235143	0.4607
ATP6VOE2-AS1	HGC_27con	HGC_27004	OK	5.58094	6.56916	0.235201	0.6394
SNRPF	HGC_27con	HGC_27004	OK	33.1353	39.006	0.235324	0.445
SPATA13	HGC_27con	HGC_27004	OK	1.7854	2.10177	0.235353	0.505
CEP89	HGC_27con	HGC_27004	OK	5.4029	6.36041	0.235387	0.4647
STT3B	HGC_27con	HGC_27004	OK	40.2025	47.3285	0.235423	0.3704
SLC52A2	HGC_27con	HGC_27004	OK	27.8126	32.7444	0.23551	0.4234
MDFI	HGC_27con	HGC_27004	NOTEST	0.05726	0.06742	0.235524	1
DUSP12	HGC_27con	HGC_27004	OK	32.175	37.8815	0.235554	0.4158
TSPAN11	HGC_27con	HGC_27004	NOTEST	0.24538	0.28891	0.235612	1
GNPDA1	HGC_27con	HGC_27004	OK	21.12	24.8697	0.235778	0.4074
CDK6	HGC_27con	HGC_27004	OK	3.76391	4.43231	0.235827	0.4165
RBM7	HGC_27con	HGC_27004	OK	9.0419	10.6482	0.235908	0.4632
C7orf73	HGC_27con	HGC_27004	OK	23.9308	28.1839	0.236002	0.4158
CTBP2	HGC_27con	HGC_27004	OK	16.5175	19.4603	0.23654	0.4001
GFM1	HGC_27con	HGC_27004	OK	12.027	14.1705	0.236615	0.4097
NAA25	HGC_27con	HGC_27004	OK	5.37033	6.32838	0.236825	0.4232
PPP1R14B	HGC_27con	HGC_27004	OK	186.962	220.335	0.236951	0.3726
NR2F1	HGC_27con	HGC_27004	OK	12.2577	14.4471	0.237087	0.5389
SRP19	HGC_27con	HGC_27004	OK	25.3418	29.8689	0.237127	0.5547
GCSH	HGC_27con	HGC_27004	OK	55.6936	65.6433	0.237136	0.3729
DMBT1P1	HGC_27con	HGC_27004	NOTEST	0.07926	0.09342	0.237204	1
HNRNPA3	HGC_27con	HGC_27004	OK	61.0549	71.968	0.237249	0.3448
NEDD1	HGC_27con	HGC_27004	OK	8.92498	10.5203	0.237253	0.4242
FAM129C	HGC_27con	HGC_27004	NOTEST	0.1138	0.13414	0.237253	1

VDAC2	HGC_27con	HGC_27004	OK	157.43	185.595	0.237451	0.3491
MYBL2	HGC_27con	HGC_27004	OK	41.8388	49.3257	0.237498	0.3552
MCM7	HGC_27con	HGC_27004	OK	91.6337	108.034	0.237529	0.4598
AGO3	HGC_27con	HGC_27004	OK	5.05061	5.95461	0.23755	0.4621
KIAA1324L	HGC_27con	HGC_27004	OK	4.21702	4.97185	0.237557	0.4316
SIRT1	HGC_27con	HGC_27004	OK	8.37505	9.87451	0.237612	0.4149
SCAF8	HGC_27con	HGC_27004	OK	7.33087	8.64374	0.237671	0.4113
ANKRD20A11P	HGC_27con	HGC_27004	NOTEST	0.13627	0.16068	0.237724	1
GINS2	HGC_27con	HGC_27004	OK	19.5692	23.0748	0.237732	0.4497
LRIF1	HGC_27con	HGC_27004	OK	6.95212	8.19839	0.237889	0.4753
ZMYM6	HGC_27con	HGC_27004	OK	4.26435	5.02941	0.238065	0.4581
COMTD1	HGC_27con	HGC_27004	OK	20.5889	24.2835	0.23811	0.5229
KPNB1	HGC_27con	HGC_27004	OK	106.45	125.554	0.238129	0.3485
TRIM23	HGC_27con	HGC_27004	OK	2.90144	3.42224	0.238172	0.5171
LOC81691	HGC_27con	HGC_27004	OK	2.88876	3.4073	0.23818	0.6971
TNFRSF19	HGC_27con	HGC_27004	OK	2.50317	2.95293	0.238388	0.5503
KLHL28	HGC_27con	HGC_27004	OK	2.9503	3.48065	0.238496	0.4803
LACE1	HGC_27con	HGC_27004	OK	1.57468	1.85776	0.238508	0.6593
MRPS9	HGC_27con	HGC_27004	OK	23.9936	28.3102	0.238669	0.4296
HOXC10	HGC_27con	HGC_27004	OK	16.611	19.6	0.238716	0.4262
DNAJA4	HGC_27con	HGC_27004	NOTEST	0.05757	0.06794	0.23878	1
CCT4	HGC_27con	HGC_27004	OK	160.236	189.079	0.23879	0.358
INTS2	HGC_27con	HGC_27004	OK	4.01945	4.74308	0.238826	0.4378
ZNF267	HGC_27con	HGC_27004	OK	3.78511	4.46662	0.238845	0.4823
COPG2	HGC_27con	HGC_27004	OK	18.2801	21.5722	0.238899	0.4162
TBC1D12	HGC_27con	HGC_27004	OK	3.53867	4.17634	0.239032	0.4792
PEX10	HGC_27con	HGC_27004	OK	18.4846	21.8185	0.239232	0.64
IGSF10	HGC_27con	HGC_27004	OK	0.35545	0.41956	0.239237	0.7925
ACSS3	HGC_27con	HGC_27004	OK	4.28283	5.05532	0.239238	0.5051
MAGOHB	HGC_27con	HGC_27004	OK	5.93434	7.00477	0.239249	0.4751
RHBDD1	HGC_27con	HGC_27004	OK	4.61313	5.44539	0.239289	0.4396
TLCD2	HGC_27con	HGC_27004	OK	1.43705	1.69632	0.239301	0.5209
TMED2	HGC_27con	HGC_27004	OK	87.1635	102.89	0.239309	0.3631
FBXO8	HGC_27con	HGC_27004	OK	6.5304	7.70881	0.239336	0.6544
NCAM1-AS1	HGC_27con	HGC_27004	OK	2.89587	3.41853	0.239381	0.9018
ATP2A2	HGC_27con	HGC_27004	OK	47.8007	56.4281	0.239384	0.3616
GATAD2A	HGC_27con	HGC_27004	OK	20.9023	24.6768	0.239492	0.3628
SCARB2	HGC_27con	HGC_27004	OK	28.5325	33.6856	0.239527	0.3717
CNIH1	HGC_27con	HGC_27004	OK	100.519	118.68	0.239607	0.3755
UIMC1	HGC_27con	HGC_27004	OK	8.66596	10.2345	0.240009	0.4087
BMP8B	HGC_27con	HGC_27004	OK	0.9702	1.14583	0.240051	0.8639
KLF6	HGC_27con	HGC_27004	OK	9.39269	11.0946	0.240244	0.402
ALDH18A1	HGC_27con	HGC_27004	OK	31.8019	37.5654	0.240293	0.3529
DUSP16	HGC_27con	HGC_27004	OK	8.12071	9.59252	0.240304	0.3881
KLC2	HGC_27con	HGC_27004	OK	20.2557	23.9278	0.240365	0.3888
PRR5L	HGC_27con	HGC_27004	OK	4.16244	4.91733	0.240447	0.4835
ALDH6A1	HGC_27con	HGC_27004	OK	16.1838	19.119	0.24046	0.387
SNX16	HGC_27con	HGC_27004	OK	2.05317	2.42556	0.240466	0.5777
OIP5	HGC_27con	HGC_27004	OK	10.7896	12.7467	0.24048	0.5287
NT5C3A	HGC_27con	HGC_27004	OK	30.99	36.6122	0.24052	0.3917
HSPA5	HGC_27con	HGC_27004	OK	412.582	487.494	0.240706	0.3659
DERL1	HGC_27con	HGC_27004	OK	206.822	244.415	0.240945	0.3388
MTHFD1L	HGC_27con	HGC_27004	OK	32.9175	38.9028	0.241016	0.4681
C12orf65	HGC_27con	HGC_27004	OK	6.3649	7.52227	0.241029	0.495

GTF2A2	HGC_27con	HGC_27004	OK	21.6922	25.6368	0.241037	0.4164
BCHE	HGC_27con	HGC_27004	OK	5.62066	6.64281	0.241053	0.4851
PPIH	HGC_27con	HGC_27004	OK	40.4982	47.8644	0.241096	0.4255
YY1AP1	HGC_27con	HGC_27004	OK	17.1718	20.2958	0.241142	0.3933
UBE2I	HGC_27con	HGC_27004	OK	48.5906	57.4341	0.241229	0.3642
PPP4R1	HGC_27con	HGC_27004	OK	15.4781	18.2964	0.241326	0.3813
ECT2	HGC_27con	HGC_27004	OK	12.2757	14.5109	0.241331	0.3831
ZNF445	HGC_27con	HGC_27004	OK	1.65294	1.95428	0.241596	0.4647
HN1L	HGC_27con	HGC_27004	OK	28.5031	33.6999	0.241625	0.3721
DARS	HGC_27con	HGC_27004	OK	33.5436	39.6605	0.241666	0.355
OTULIN	HGC_27con	HGC_27004	OK	3.42311	4.04749	0.241719	0.4312
NCK1	HGC_27con	HGC_27004	OK	5.56517	6.58034	0.241737	0.4442
REEP3	HGC_27con	HGC_27004	OK	11.4043	13.4849	0.241771	0.4004
C1orf21	HGC_27con	HGC_27004	OK	1.47524	1.74451	0.241872	0.4749
VRK2	HGC_27con	HGC_27004	OK	11.1822	13.2236	0.2419	0.5534
FRA10AC1	HGC_27con	HGC_27004	OK	8.29386	9.80843	0.241979	0.4319
GEMIN2	HGC_27con	HGC_27004	OK	13.311	15.7421	0.242017	0.4589
LINC00950	HGC_27con	HGC_27004	NOTEST	0.09727	0.11504	0.242145	1
LHX4	HGC_27con	HGC_27004	OK	1.97813	2.33967	0.242168	0.689
KIAA1524	HGC_27con	HGC_27004	OK	5.65765	6.69211	0.242258	0.5177
RBM14	HGC_27con	HGC_27004	OK	14.2912	16.9043	0.24226	0.5403
EXOG	HGC_27con	HGC_27004	OK	3.24365	3.83709	0.242398	0.5118
DYNC1I2	HGC_27con	HGC_27004	OK	16.4802	19.4956	0.242419	0.3684
FNIP1	HGC_27con	HGC_27004	OK	6.38211	7.55032	0.242505	0.3789
PRIM2	HGC_27con	HGC_27004	OK	10.8945	12.8888	0.242519	0.4301
TMA16	HGC_27con	HGC_27004	OK	20.7181	24.5107	0.242524	0.411
FICD	HGC_27con	HGC_27004	OK	5.60834	6.63513	0.242551	0.5543
WRN	HGC_27con	HGC_27004	OK	5.08897	6.02218	0.242913	0.4088
NXT2	HGC_27con	HGC_27004	OK	6.91495	8.18329	0.242961	0.4779
UTP18	HGC_27con	HGC_27004	OK	23.8023	28.1688	0.242996	0.381
GLTPD2	HGC_27con	HGC_27004	OK	1.26806	1.50071	0.24302	0.7513
CPB2-AS1	HGC_27con	HGC_27004	NOTEST	0.08996	0.10647	0.243044	1
ERLIN2	HGC_27con	HGC_27004	OK	12.6805	15.0074	0.243059	0.3802
FASTKD2	HGC_27con	HGC_27004	OK	6.67668	7.90185	0.243059	0.4022
YWHAE	HGC_27con	HGC_27004	OK	139.35	164.975	0.243532	0.3382
NSUN2	HGC_27con	HGC_27004	OK	27.3192	32.3441	0.243586	0.36
MEX3A	HGC_27con	HGC_27004	OK	11.5214	13.6414	0.243673	0.3673
UHRF1BP1L	HGC_27con	HGC_27004	OK	4.09837	4.85295	0.243812	0.446
PKN1	HGC_27con	HGC_27004	OK	103.677	122.771	0.24387	0.3317
NUP54	HGC_27con	HGC_27004	OK	20.6716	24.4806	0.24399	0.382
SPAG5	HGC_27con	HGC_27004	OK	15.9077	18.839	0.244	0.3727
ADPRHL2	HGC_27con	HGC_27004	OK	18.4241	21.8203	0.24408	0.4317
AVEN	HGC_27con	HGC_27004	OK	13.3155	15.7705	0.24412	0.4346
LINC00240	HGC_27con	HGC_27004	NOTEST	0.18657	0.22097	0.244139	1
BUB3	HGC_27con	HGC_27004	OK	48.9083	57.9271	0.244158	0.3612
LOC101928043	HGC_27con	HGC_27004	NOTEST	0.23992	0.28416	0.244176	1
SYT15	HGC_27con	HGC_27004	OK	2.12113	2.51238	0.244217	0.5875
RTN4	HGC_27con	HGC_27004	OK	107.662	127.521	0.244219	0.3442
THAP6	HGC_27con	HGC_27004	OK	4.02383	4.76702	0.244521	0.4847
CELF1	HGC_27con	HGC_27004	OK	15.6892	18.5876	0.244566	0.3731
ZNF737	HGC_27con	HGC_27004	OK	1.24998	1.48093	0.244601	0.5154
GALE	HGC_27con	HGC_27004	OK	9.48443	11.2371	0.24464	0.4736
MRPS16	HGC_27con	HGC_27004	OK	48.6635	57.6572	0.244661	0.3618
ATAD3A	HGC_27con	HGC_27004	OK	21.2156	25.1388	0.244791	0.391

STARD7	HGC_27con	HGC_27004	OK	50.1052	59.3711	0.244802	0.364
HNRNPUL2	HGC_27con	HGC_27004	OK	17.0637	20.2208	0.244907	0.4627
CGRRF1	HGC_27con	HGC_27004	OK	9.46729	11.2196	0.244996	0.506
TNFAIP8L1	HGC_27con	HGC_27004	OK	4.74777	5.62662	0.245019	0.4504
CBLL1	HGC_27con	HGC_27004	OK	6.66006	7.89303	0.245044	0.4238
RIOK1	HGC_27con	HGC_27004	OK	16.4508	19.4964	0.24505	0.3823
PALB2	HGC_27con	HGC_27004	OK	4.0271	4.77324	0.245228	0.4542
ZPR1	HGC_27con	HGC_27004	OK	26.3641	31.2504	0.245299	0.3921
ZNF639	HGC_27con	HGC_27004	OK	10.2273	12.1235	0.245384	0.4186
KIAA1279	HGC_27con	HGC_27004	OK	10.6117	12.5799	0.245466	0.4245
POLR2M	HGC_27con	HGC_27004	OK	11.9479	14.1644	0.245514	0.3924
GMNN	HGC_27con	HGC_27004	OK	18.3758	21.7865	0.245623	0.4352
VLDLR	HGC_27con	HGC_27004	OK	15.8837	18.8341	0.245796	0.376
ZIK1	HGC_27con	HGC_27004	OK	0.57383	0.68049	0.245953	0.7016
NOMO3	HGC_27con	HGC_27004	OK	1.31593	1.56062	0.246029	0.5739
SYPL1	HGC_27con	HGC_27004	OK	47.2664	56.0643	0.24627	0.3648
RNF2	HGC_27con	HGC_27004	OK	11.7469	13.9345	0.246378	0.4049
MEX3B	HGC_27con	HGC_27004	OK	7.15522	8.48805	0.246437	0.4514
ATG4C	HGC_27con	HGC_27004	OK	5.18615	6.15252	0.246513	0.4678
GID4	HGC_27con	HGC_27004	OK	5.29322	6.27981	0.246575	0.4429
MTM1	HGC_27con	HGC_27004	OK	5.36978	6.37064	0.246575	0.4677
UTP15	HGC_27con	HGC_27004	OK	5.24694	6.22516	0.246634	0.4339
SGPP1	HGC_27con	HGC_27004	OK	13.1806	15.639	0.24673	0.4104
CNOT10	HGC_27con	HGC_27004	OK	8.50414	10.0908	0.246799	0.4247
ZNRF2	HGC_27con	HGC_27004	OK	7.00657	8.31499	0.247006	0.4484
HMGB2	HGC_27con	HGC_27004	OK	77.8727	92.4157	0.247019	0.3413
BOLL	HGC_27con	HGC_27004	NOTEST	0.05479	0.06504	0.247362	1
SNRPE	HGC_27con	HGC_27004	OK	50.1299	59.506	0.247366	0.3657
MAGI3	HGC_27con	HGC_27004	OK	4.80129	5.69962	0.247444	0.3878
RAB11A	HGC_27con	HGC_27004	OK	16.6312	19.7441	0.24753	0.3581
HLTF-AS1	HGC_27con	HGC_27004	OK	3.25599	3.86555	0.247576	0.6549
MSH3	HGC_27con	HGC_27004	OK	5.87777	6.97847	0.247641	0.7106
BCL2L2-PABPN1	HGC_27con	HGC_27004	OK	44.6152	52.9732	0.247728	0.4644
HEATR3	HGC_27con	HGC_27004	OK	16.4069	19.4811	0.247778	0.392
MRPS28	HGC_27con	HGC_27004	OK	18.5787	22.0599	0.247778	0.4979
ATAD3C	HGC_27con	HGC_27004	NOTEST	0.17733	0.21057	0.247876	1
ZFC3H1	HGC_27con	HGC_27004	OK	4.01776	4.77106	0.247918	0.4072
PCDHB17P	HGC_27con	HGC_27004	OK	0.54608	0.64847	0.247922	0.7299
ATL3	HGC_27con	HGC_27004	OK	11.9166	14.1515	0.247989	0.3571
PRKAR2A	HGC_27con	HGC_27004	OK	9.39647	11.1599	0.248139	0.4197
ALYREF	HGC_27con	HGC_27004	OK	79.9258	94.9447	0.248427	0.4706
DBF4B	HGC_27con	HGC_27004	OK	5.59123	6.64208	0.248471	0.4471
USMG5	HGC_27con	HGC_27004	OK	160.156	190.283	0.248669	0.4321
UBA2	HGC_27con	HGC_27004	OK	78.4958	93.266	0.248735	0.3392
SCLT1	HGC_27con	HGC_27004	OK	4.258	5.05925	0.248747	0.5461
RWDD1	HGC_27con	HGC_27004	OK	15.0494	17.8819	0.248799	0.4228
PSMC6	HGC_27con	HGC_27004	OK	43.3733	51.5372	0.248807	0.3594
NIP7	HGC_27con	HGC_27004	OK	19.74	23.4571	0.248901	0.5115
POLA2	HGC_27con	HGC_27004	OK	9.34024	11.0993	0.248933	0.4031
PRKAR1B	HGC_27con	HGC_27004	OK	9.27219	11.0187	0.248971	0.6578
BTG3	HGC_27con	HGC_27004	OK	22.287	26.4855	0.248999	0.3946
SNAP91	HGC_27con	HGC_27004	OK	1.54141	1.83182	0.249033	0.6232
IFNLR1	HGC_27con	HGC_27004	OK	1.23419	1.46672	0.249034	0.5835
LSM6	HGC_27con	HGC_27004	OK	19.8537	23.5976	0.249234	0.4986

MAD2L1	HGC_27con	HGC_27004	OK	28.624	34.0231	0.249292	0.3967
IGFN1	HGC_27con	HGC_27004	NOTEST	0.03964	0.04712	0.249302	1
RAD18	HGC_27con	HGC_27004	OK	4.16871	4.95516	0.24933	0.4281
C8orf76	HGC_27con	HGC_27004	OK	113.745	135.216	0.249465	0.665
DRG1	HGC_27con	HGC_27004	OK	37.9333	45.0961	0.249539	0.3723
PTCHD4	HGC_27con	HGC_27004	NOTEST	0.11238	0.13361	0.249619	1
ZNF799	HGC_27con	HGC_27004	OK	0.88338	1.05028	0.249678	0.6556
LOC728673	HGC_27con	HGC_27004	OK	2.70542	3.21679	0.249769	0.6496
PDP2	HGC_27con	HGC_27004	OK	5.72315	6.80512	0.249811	0.3948
C4orf33	HGC_27con	HGC_27004	OK	4.94247	5.87723	0.249904	0.5176
LOC102723828	HGC_27con	HGC_27004	OK	7.8178	9.29639	0.249908	0.5648
SMG7-AS1	HGC_27con	HGC_27004	OK	0.33428	0.39753	0.250023	0.7205
ENAH	HGC_27con	HGC_27004	OK	12.2628	14.5835	0.250054	0.325
DPY19L2P4	HGC_27con	HGC_27004	OK	0.37857	0.45023	0.250111	0.8806
RFWD3	HGC_27con	HGC_27004	OK	9.81737	11.6759	0.250126	0.378
MTFR2	HGC_27con	HGC_27004	OK	3.75152	4.46185	0.250166	0.5619
SMIM13	HGC_27con	HGC_27004	OK	11.4762	13.6503	0.250289	0.3767
RSC1A1	HGC_27con	HGC_27004	OK	2.86918	3.4132	0.250486	0.6214
NEURL1B	HGC_27con	HGC_27004	OK	25.677	30.5458	0.250496	0.3382
G3BP1	HGC_27con	HGC_27004	OK	41.6612	49.5623	0.250537	0.3364
ZNF543	HGC_27con	HGC_27004	OK	0.90673	1.07869	0.250543	0.6258
GPR27	HGC_27con	HGC_27004	OK	4.51758	5.37491	0.250691	0.7582
HIF1A	HGC_27con	HGC_27004	OK	19.3447	23.0161	0.250705	0.4149
PSMB8	HGC_27con	HGC_27004	OK	21.7717	25.9039	0.250715	0.5585
PROSER1	HGC_27con	HGC_27004	OK	19.8743	23.6466	0.250728	0.3656
SCAF4	HGC_27con	HGC_27004	OK	6.76797	8.05305	0.250812	0.3964
XPO1	HGC_27con	HGC_27004	OK	76.3474	90.852	0.250938	0.3317
SPRY2	HGC_27con	HGC_27004	OK	2.3382	2.78252	0.250996	0.6099
RAB14	HGC_27con	HGC_27004	OK	20.2661	24.1207	0.251199	0.3617
MORC4	HGC_27con	HGC_27004	OK	4.56849	5.43765	0.251264	0.4199
CAMSAP1	HGC_27con	HGC_27004	OK	7.40771	8.81721	0.251295	0.3648
CSNK2A1	HGC_27con	HGC_27004	OK	42.7134	50.8447	0.25141	0.3442
PTPN4	HGC_27con	HGC_27004	OK	2.4758	2.94727	0.251483	0.4164
UBL4A	HGC_27con	HGC_27004	OK	20.5686	24.487	0.25157	0.3812
HAS3	HGC_27con	HGC_27004	OK	0.63344	0.75412	0.251586	0.8457
ZDHHC6	HGC_27con	HGC_27004	OK	10.4687	12.4632	0.251601	0.4176
DCLRE1B	HGC_27con	HGC_27004	OK	4.59521	5.47113	0.251707	0.4524
MAOA	HGC_27con	HGC_27004	NOTEST	0.03253	0.03873	0.251792	1
IMPA1	HGC_27con	HGC_27004	OK	9.74303	11.601	0.251805	0.4034
APOBEC2	HGC_27con	HGC_27004	NOTEST	0.16614	0.19784	0.251872	1
MRPS17	HGC_27con	HGC_27004	OK	23.2088	27.6386	0.252017	0.4762
MTX3	HGC_27con	HGC_27004	OK	6.67299	7.94697	0.252073	0.3623
CCT6A	HGC_27con	HGC_27004	OK	99.9687	119.068	0.252232	0.3243
RHOXF2,RHOXF2B	HGC_27con	HGC_27004	OK	12.7235	14.8488	0.252366	0.5269
GRB10	HGC_27con	HGC_27004	OK	23.5757	28.0847	0.25248	0.3461
NT5DC1	HGC_27con	HGC_27004	OK	7.94557	9.46539	0.252511	0.4128
RAB3GAP2	HGC_27con	HGC_27004	OK	10.7867	12.8503	0.252544	0.3506
SNRK	HGC_27con	HGC_27004	OK	1.11134	1.32398	0.252591	0.6155
KIF1A	HGC_27con	HGC_27004	OK	6.09263	7.25928	0.252762	0.3492
CEP57	HGC_27con	HGC_27004	OK	16.3936	19.5336	0.252828	0.3601
CALHM2	HGC_27con	HGC_27004	OK	1.52108	1.81256	0.252931	0.6755
FAM107B	HGC_27con	HGC_27004	OK	8.83728	10.5313	0.253003	0.3959
IL6ST	HGC_27con	HGC_27004	OK	8.46262	10.0854	0.253088	0.3477
WDR3	HGC_27con	HGC_27004	OK	15.8116	18.8443	0.253143	0.3457

TRPM7	HGC_27con	HGC_27004	OK	7.24218	8.63151	0.25319	0.3523
RP9	HGC_27con	HGC_27004	OK	10.6579	12.7031	0.253267	0.4616
RPL17-C18orf32	HGC_27con	HGC_27004	OK	15.233	18.1589	0.253475	0.8875
TMEM5	HGC_27con	HGC_27004	OK	8.38885	10.0006	0.253548	0.4606
RRP15	HGC_27con	HGC_27004	OK	4.80959	5.73384	0.253588	0.3857
HSPA2	HGC_27con	HGC_27004	OK	0.58067	0.69226	0.253605	0.7051
C17orf53	HGC_27con	HGC_27004	OK	3.56509	4.25029	0.253623	0.5062
FAM53B	HGC_27con	HGC_27004	OK	8.07549	9.62763	0.253631	0.3766
RDH10-AS1	HGC_27con	HGC_27004	NOTEST	0.07035	0.08387	0.25364	1
RHOBTB2	HGC_27con	HGC_27004	OK	3.50969	4.1844	0.253676	0.6836
PTP4A2	HGC_27con	HGC_27004	OK	31.9351	38.0752	0.253711	0.3336
TRIM69	HGC_27con	HGC_27004	NOTEST	0.07679	0.09156	0.253808	1
LINC00491	HGC_27con	HGC_27004	OK	3.8793	4.62555	0.253829	0.5547
BTBD10	HGC_27con	HGC_27004	OK	10.2797	12.2579	0.253914	0.3955
NAP1L4	HGC_27con	HGC_27004	OK	33.3005	39.7092	0.25393	0.3413
SRP9	HGC_27con	HGC_27004	OK	137.602	164.085	0.253934	0.3236
ZNF738	HGC_27con	HGC_27004	OK	0.90578	1.08014	0.253986	0.5006
CDK2AP1	HGC_27con	HGC_27004	OK	60.0239	71.5792	0.254004	0.367
IGSF3	HGC_27con	HGC_27004	OK	5.35065	6.38153	0.254188	0.3777
PMS2P9	HGC_27con	HGC_27004	OK	2.6903	3.20886	0.254293	0.5648
DBNDD1	HGC_27con	HGC_27004	OK	10.6095	12.6549	0.254341	0.574
RAP1GAP2	HGC_27con	HGC_27004	OK	6.23856	7.44211	0.2545	0.3748
KLF3	HGC_27con	HGC_27004	OK	5.31947	6.34583	0.254525	0.3987
PDS5B	HGC_27con	HGC_27004	OK	6.14291	7.32818	0.254534	0.368
HJURP	HGC_27con	HGC_27004	OK	15.393	18.3639	0.254593	0.3643
CKS2	HGC_27con	HGC_27004	OK	267.208	318.821	0.254781	0.3338
SMG1P3	HGC_27con	HGC_27004	OK	0.31654	0.37769	0.254805	0.6995
LRRC34	HGC_27con	HGC_27004	NOTEST	0.12126	0.14471	0.255079	1
DBT	HGC_27con	HGC_27004	OK	4.04594	4.82869	0.255157	0.3751
NDUFB6	HGC_27con	HGC_27004	OK	61.8098	73.7687	0.255174	0.4836
TCEAL4	HGC_27con	HGC_27004	OK	30.7463	36.6975	0.255271	0.3503
NRXN2	HGC_27con	HGC_27004	OK	7.35717	8.78158	0.25533	0.4396
ALDH9A1	HGC_27con	HGC_27004	OK	20.8266	24.8598	0.255387	0.3689
HERC2P3	HGC_27con	HGC_27004	OK	0.96082	1.1469	0.255405	0.5948
GAB1	HGC_27con	HGC_27004	OK	1.9189	2.29078	0.255561	0.4598
ZCCHC12	HGC_27con	HGC_27004	NOTEST	0.11871	0.14171	0.255568	1
APOO	HGC_27con	HGC_27004	OK	8.10466	9.6755	0.255586	0.5258
FHIT	HGC_27con	HGC_27004	OK	1.71846	2.05159	0.255625	0.6808
DNM1	HGC_27con	HGC_27004	OK	17.7569	21.1992	0.255628	0.5498
C19orf26	HGC_27con	HGC_27004	OK	2.30973	2.75754	0.255662	0.6027
AP1S3	HGC_27con	HGC_27004	OK	4.38731	5.23853	0.255827	0.4493
ATP1A3	HGC_27con	HGC_27004	OK	3.61236	4.31351	0.255919	0.4631
HOTAIRM1	HGC_27con	HGC_27004	OK	3.32704	3.97314	0.256044	0.6641
ANKRD27	HGC_27con	HGC_27004	OK	17.6211	21.0433	0.256061	0.3484
MLK7-AS1	HGC_27con	HGC_27004	OK	0.82913	0.99017	0.256082	0.8818
CKS1B	HGC_27con	HGC_27004	OK	173.465	207.167	0.256153	0.335
B3GNT8	HGC_27con	HGC_27004	NOTEST	0.17051	0.20364	0.256157	1
SLC29A1	HGC_27con	HGC_27004	OK	31.1204	37.1671	0.256167	0.3483
TADA2B	HGC_27con	HGC_27004	OK	3.39431	4.05387	0.25618	0.6296
MTMR4	HGC_27con	HGC_27004	OK	15.9426	19.0421	0.256303	0.3391
THRIL	HGC_27con	HGC_27004	OK	3.15246	3.76535	0.256305	0.5994
LIG1	HGC_27con	HGC_27004	OK	10.7374	12.8253	0.256345	0.3703
KIAA1109	HGC_27con	HGC_27004	OK	2.21504	2.64582	0.256384	0.3764
MRPL39	HGC_27con	HGC_27004	OK	13.8581	16.5533	0.25639	0.4497

SLC38A2	HGC_27con	HGC_27004	OK	90.8975	108.587	0.256532	0.3174
KIF5B	HGC_27con	HGC_27004	OK	53.5935	64.0233	0.25654	0.319
DLGAP5	HGC_27con	HGC_27004	OK	18.2238	21.771	0.256585	0.3339
ZNF124	HGC_27con	HGC_27004	OK	6.37307	7.61374	0.256616	0.4722
DBF4	HGC_27con	HGC_27004	OK	8.2566	9.86406	0.256634	0.4327
OIP5-AS1	HGC_27con	HGC_27004	OK	25.5054	30.4713	0.256651	0.3661
FOXB2	HGC_27con	HGC_27004	NOTEST	0.18676	0.22313	0.256653	1
COLEC11	HGC_27con	HGC_27004	OK	5.6068	6.69854	0.256668	0.5244
TDRD3	HGC_27con	HGC_27004	OK	7.42573	8.87208	0.256739	0.3977
SLC26A10	HGC_27con	HGC_27004	OK	1.62173	1.93764	0.25677	0.7457
EFCAB3	HGC_27con	HGC_27004	OK	0.4791	0.57243	0.25678	0.7322
JAG2	HGC_27con	HGC_27004	OK	36.5186	43.6362	0.256895	0.3232
CCDC71L	HGC_27con	HGC_27004	OK	6.44316	7.69916	0.256933	0.4207
MTCL1	HGC_27con	HGC_27004	OK	5.34192	6.38345	0.256978	0.3764
MRPL22	HGC_27con	HGC_27004	OK	9.12948	10.9101	0.257064	0.4007
USP32	HGC_27con	HGC_27004	OK	9.35314	11.1779	0.257127	0.3388
MIR5047	HGC_27con	HGC_27004	OK	406.18	485.448	0.257197	0.9126
HAUS6	HGC_27con	HGC_27004	OK	10.9154	13.046	0.25724	0.3383
CHSY1	HGC_27con	HGC_27004	OK	7.86075	9.39521	0.257258	0.3942
CNIH2	HGC_27con	HGC_27004	OK	1.15291	1.37803	0.257326	0.7198
RFC2	HGC_27con	HGC_27004	OK	23.3192	27.8729	0.257348	0.3672
CASC9	HGC_27con	HGC_27004	OK	0.87027	1.04025	0.257408	0.6892
CKLF	HGC_27con	HGC_27004	OK	37.2383	44.5124	0.257421	0.4248
PGM1	HGC_27con	HGC_27004	OK	24.824	29.675	0.257516	0.3506
PHTF2	HGC_27con	HGC_27004	OK	18.7817	22.4524	0.257541	0.3518
SET	HGC_27con	HGC_27004	OK	165.501	197.85	0.257566	0.3105
URB1	HGC_27con	HGC_27004	OK	6.91193	8.26391	0.257736	0.3403
CTB-178M22.2	HGC_27con	HGC_27004	OK	3.09794	3.70426	0.257876	0.4921
USP49	HGC_27con	HGC_27004	OK	1.61131	1.92673	0.257918	0.6685
UBXN2A	HGC_27con	HGC_27004	OK	7.23596	8.65339	0.25808	0.4459
SIMC1	HGC_27con	HGC_27004	OK	5.01238	5.99455	0.258156	0.4853
FEN1	HGC_27con	HGC_27004	OK	29.1029	34.8068	0.258208	0.3434
CDYL	HGC_27con	HGC_27004	OK	11.0568	13.225	0.258334	0.3724
SRR	HGC_27con	HGC_27004	OK	2.87642	3.44072	0.258438	0.7896
GARNL3	HGC_27con	HGC_27004	OK	1.32419	1.584	0.258464	0.5734
DCAF16	HGC_27con	HGC_27004	OK	5.84401	6.99117	0.258577	0.408
MSL2	HGC_27con	HGC_27004	OK	7.59973	9.09156	0.25858	0.3815
FKBP5	HGC_27con	HGC_27004	OK	16.3586	19.5704	0.258622	0.3525
RCL1	HGC_27con	HGC_27004	OK	13.1678	15.7532	0.258623	0.4074
ZNF92	HGC_27con	HGC_27004	OK	3.07317	3.67668	0.258678	0.485
TMEM237	HGC_27con	HGC_27004	OK	4.94926	5.92121	0.25868	0.389
EPHA3	HGC_27con	HGC_27004	OK	7.47111	8.93843	0.2587	0.365
ZMYM5	HGC_27con	HGC_27004	OK	8.37413	10.0197	0.258825	0.4712
NDEL1	HGC_27con	HGC_27004	OK	11.7443	14.0525	0.258863	0.3831
CSK	HGC_27con	HGC_27004	OK	20.1903	24.1587	0.258878	0.3754
XKR5	HGC_27con	HGC_27004	OK	0.87125	1.0425	0.258887	0.6167
NFYB	HGC_27con	HGC_27004	OK	5.91529	7.07838	0.25897	0.4193
CALM3	HGC_27con	HGC_27004	OK	38.7081	46.3197	0.258991	0.3473
CHPT1	HGC_27con	HGC_27004	OK	40.6285	48.6201	0.259059	0.3711
RNASET2	HGC_27con	HGC_27004	OK	10.7493	12.8646	0.259166	0.4852
AKAP5	HGC_27con	HGC_27004	OK	0.61584	0.73704	0.259197	0.4803
DUSP7	HGC_27con	HGC_27004	OK	9.56237	11.4444	0.259203	0.417
LRP11	HGC_27con	HGC_27004	OK	11.5403	13.8117	0.259206	0.399
SLC15A4	HGC_27con	HGC_27004	OK	5.50924	6.59373	0.259242	0.4859

SYNCRIP	HGC_27con	HGC_27004	OK	45.8533	54.8796	0.259245	0.3514
CDC25C	HGC_27con	HGC_27004	OK	4.69573	5.62042	0.259328	0.7104
PEX13	HGC_27con	HGC_27004	OK	7.91941	9.47896	0.259336	0.3987
KIF3C	HGC_27con	HGC_27004	OK	2.99966	3.59044	0.259362	0.4423
VDAC3	HGC_27con	HGC_27004	OK	53.3857	63.902	0.259407	0.3337
FSCN1	HGC_27con	HGC_27004	OK	206.141	246.751	0.259426	0.3181
RNF145	HGC_27con	HGC_27004	OK	23.7821	28.4678	0.259457	0.3381
ARHGEF26	HGC_27con	HGC_27004	OK	1.66408	1.99197	0.259476	0.5245
WDR77	HGC_27con	HGC_27004	OK	19.2065	22.9917	0.25952	0.6561
RACGAP1	HGC_27con	HGC_27004	OK	29.8231	35.703	0.259613	0.3261
ATRIP	HGC_27con	HGC_27004	OK	4.94	5.91402	0.259629	0.4885
CUL2	HGC_27con	HGC_27004	OK	14.0584	16.8345	0.259988	0.3597
ABRACL	HGC_27con	HGC_27004	OK	27.4053	32.8188	0.260067	0.4331
TNKS2	HGC_27con	HGC_27004	OK	11.6191	13.9144	0.26008	0.347
TIPIN	HGC_27con	HGC_27004	OK	8.82443	10.5679	0.260117	0.4551
RUFY2	HGC_27con	HGC_27004	OK	6.79287	8.13502	0.260126	0.731
RCHY1	HGC_27con	HGC_27004	OK	7.18342	8.60287	0.260147	0.3974
OAT	HGC_27con	HGC_27004	OK	27.132	32.4934	0.260149	0.343
KIAA1328	HGC_27con	HGC_27004	OK	1.03531	1.24003	0.260313	0.7726
CHAF1B	HGC_27con	HGC_27004	OK	7.75007	9.28277	0.260345	0.4393
VEGFB	HGC_27con	HGC_27004	OK	38.0611	45.5913	0.260441	0.3401
CTSH	HGC_27con	HGC_27004	NOTEST	0.09939	0.11906	0.260515	1
PRTFDC1	HGC_27con	HGC_27004	OK	29.8351	35.7413	0.260579	0.3462
OLFML3	HGC_27con	HGC_27004	OK	5.11857	6.13279	0.260803	0.4819
STRN	HGC_27con	HGC_27004	OK	5.01185	6.00557	0.26096	0.3431
ARFGEF1	HGC_27con	HGC_27004	OK	8.89666	10.6608	0.260985	0.3418
MYO1D	HGC_27con	HGC_27004	OK	1.79719	2.15375	0.26111	0.4972
PLA2G3	HGC_27con	HGC_27004	OK	5.79988	6.95064	0.261124	0.4485
CGGBP1	HGC_27con	HGC_27004	OK	23.8781	28.6175	0.261213	0.3673
SRSF10	HGC_27con	HGC_27004	OK	17.8994	21.4532	0.261286	0.3382
PLEKHA8	HGC_27con	HGC_27004	OK	7.77662	9.32092	0.261328	0.413
KIF4A	HGC_27con	HGC_27004	OK	13.688	16.4063	0.261344	0.3355
CENPE	HGC_27con	HGC_27004	OK	4.04254	4.84544	0.261363	0.3281
STAG1	HGC_27con	HGC_27004	OK	6.94575	8.32559	0.261423	0.3596
LRPPRC	HGC_27con	HGC_27004	OK	100.688	120.695	0.261469	0.3142
ORC1	HGC_27con	HGC_27004	OK	6.12281	7.33989	0.261563	0.4062
FGF18	HGC_27con	HGC_27004	OK	0.64065	0.76799	0.261567	0.7043
QRFPR	HGC_27con	HGC_27004	OK	2.69448	3.23019	0.261614	0.5613
CLCN6	HGC_27con	HGC_27004	OK	3.63961	4.36325	0.26162	0.593
TMEM41B	HGC_27con	HGC_27004	OK	20.2315	24.2578	0.261842	0.3914
COA7	HGC_27con	HGC_27004	OK	12.622	15.1365	0.26209	0.3889
BUB1	HGC_27con	HGC_27004	OK	15.9282	19.1015	0.262105	0.3355
LOC101929378	HGC_27con	HGC_27004	OK	0.43722	0.52438	0.262245	0.7166
TARDBP	HGC_27con	HGC_27004	OK	33.8931	40.6531	0.26237	0.3193
TAGLN2	HGC_27con	HGC_27004	OK	92.874	111.402	0.262431	0.3217
MAPK9	HGC_27con	HGC_27004	OK	16.9769	20.3644	0.262476	0.3654
DSCC1	HGC_27con	HGC_27004	OK	91.813	110.142	0.262599	0.3154
KIAA0101	HGC_27con	HGC_27004	OK	87.2864	104.718	0.262688	0.3188
RNF219	HGC_27con	HGC_27004	OK	4.90576	5.8856	0.262712	0.4152
PPID	HGC_27con	HGC_27004	OK	19.5876	23.5037	0.262946	0.3633
RAP2C	HGC_27con	HGC_27004	OK	12.5244	15.0292	0.263029	0.4643
ERLIN1	HGC_27con	HGC_27004	OK	28.3777	34.0541	0.263074	0.3256
ZNF573	HGC_27con	HGC_27004	OK	1.22061	1.4649	0.263198	0.6122
LOC102723809	HGC_27con	HGC_27004	OK	1.21905	1.46304	0.263213	0.9054

PARL	HGC_27con	HGC_27004	OK	14.2062	17.0507	0.26331	0.411
MAPKAPK5	HGC_27con	HGC_27004	OK	7.23572	8.68511	0.263406	0.5002
MOB1A	HGC_27con	HGC_27004	OK	56.0758	67.3113	0.26347	0.3522
MAPRE2	HGC_27con	HGC_27004	OK	5.96315	7.15853	0.263587	0.3983
GPSM1	HGC_27con	HGC_27004	OK	18.6076	22.3382	0.263623	0.3624
ZNF107	HGC_27con	HGC_27004	OK	2.08904	2.50788	0.263629	0.4937
SH3GL1P2	HGC_27con	HGC_27004	NOTEST	0.10709	0.12856	0.26364	1
PRPS2	HGC_27con	HGC_27004	OK	9.92618	11.9167	0.263678	0.3968
GTF2A1	HGC_27con	HGC_27004	OK	12.0857	14.5094	0.263685	0.33
DPYD-AS1	HGC_27con	HGC_27004	OK	0.62946	0.75577	0.263832	0.7775
ATP6V0A2	HGC_27con	HGC_27004	OK	5.29649	6.35978	0.263942	0.3801
ARPC1A	HGC_27con	HGC_27004	OK	53.8028	64.6067	0.264004	0.3369
CENPW	HGC_27con	HGC_27004	OK	10.8791	13.0637	0.264005	0.4847
USP38	HGC_27con	HGC_27004	OK	3.85529	4.62952	0.264025	0.4373
MCM6	HGC_27con	HGC_27004	OK	20.0591	24.0877	0.264046	0.3227
MIR99AHG	HGC_27con	HGC_27004	OK	2.7635	3.31854	0.264052	0.4986
RCOR2	HGC_27con	HGC_27004	OK	32.121	38.5765	0.264205	0.3371
XRRA1	HGC_27con	HGC_27004	OK	2.74152	3.2925	0.264207	0.5841
CRYBG3	HGC_27con	HGC_27004	OK	1.45184	1.7437	0.264276	0.5884
METTL9	HGC_27con	HGC_27004	OK	40.5971	48.7611	0.264352	0.305
NPEPPS	HGC_27con	HGC_27004	OK	24.343	29.2401	0.264441	0.3213
TCERG1	HGC_27con	HGC_27004	OK	13.9043	16.7049	0.264734	0.3235
FAM86B1	HGC_27con	HGC_27004	OK	3.05254	3.66752	0.264795	0.5438
SPAST	HGC_27con	HGC_27004	OK	8.34411	10.0252	0.264803	0.3512
METTL10	HGC_27con	HGC_27004	OK	3.52784	4.23868	0.264827	0.4518
HNRNPD	HGC_27con	HGC_27004	OK	136.466	163.976	0.264944	0.2947
ZNF383	HGC_27con	HGC_27004	OK	4.57488	5.49789	0.265143	0.5149
ADGRL2	HGC_27con	HGC_27004	OK	18.309	22.0045	0.265248	0.311
UAP1L1	HGC_27con	HGC_27004	OK	18.9149	22.7335	0.265292	0.3378
ABCE1	HGC_27con	HGC_27004	OK	33.044	39.7164	0.265349	0.3237
VSIG10	HGC_27con	HGC_27004	OK	2.52138	3.03058	0.265382	0.4509
RIC1	HGC_27con	HGC_27004	OK	8.44211	10.147	0.265383	0.3424
MANF	HGC_27con	HGC_27004	OK	70.2535	84.4452	0.265446	0.3279
PPP3CB	HGC_27con	HGC_27004	OK	12.0807	14.5221	0.265543	0.5054
FAM136A	HGC_27con	HGC_27004	OK	33.0323	39.71	0.265623	0.336
SYNPO2	HGC_27con	HGC_27004	OK	1.66324	1.99958	0.265699	0.4965
KIAA0586	HGC_27con	HGC_27004	OK	5.72233	6.87995	0.265795	0.509
SCRN1	HGC_27con	HGC_27004	OK	34.7272	41.7527	0.265804	0.3018
AURKAPS1	HGC_27con	HGC_27004	OK	0.41716	0.50159	0.265891	0.7297
NAA35	HGC_27con	HGC_27004	OK	17.7399	21.3303	0.265908	0.3455
CCDC171	HGC_27con	HGC_27004	OK	1.24929	1.50214	0.265917	0.5302
DUSP19	HGC_27con	HGC_27004	OK	0.51481	0.61902	0.265941	0.6524
TUB	HGC_27con	HGC_27004	OK	3.32824	4.00204	0.265977	0.3961
TYMSOS	HGC_27con	HGC_27004	OK	14.1959	17.0719	0.266146	0.8985
LACC1	HGC_27con	HGC_27004	NOTEST	0.04609	0.05543	0.266156	1
TBL1XR1	HGC_27con	HGC_27004	OK	10.3053	12.3938	0.266229	0.3381
DHFR	HGC_27con	HGC_27004	OK	25.2268	30.3429	0.266399	0.4631
CXCL16	HGC_27con	HGC_27004	OK	1.5816	1.90238	0.266414	0.7258
ZNF566	HGC_27con	HGC_27004	OK	3.98928	4.7984	0.266426	0.4432
TNFAIP3	HGC_27con	HGC_27004	OK	0.54241	0.65249	0.266586	0.6339
AFF1	HGC_27con	HGC_27004	OK	4.59904	5.53271	0.266654	0.3427
SOX6	HGC_27con	HGC_27004	OK	4.89892	5.89412	0.266813	0.3447
ZNF329	HGC_27con	HGC_27004	OK	1.78187	2.14386	0.266817	0.5269
NEK3	HGC_27con	HGC_27004	OK	4.99156	6.00563	0.266825	0.4397

RNF125	HGC_27con	HGC_27004	OK	2.9757	3.58143	0.26731	0.4396
TBCA	HGC_27con	HGC_27004	OK	106.638	128.363	0.267507	0.3269
MED22	HGC_27con	HGC_27004	OK	14.6257	17.6074	0.267671	0.3754
C15orf39	HGC_27con	HGC_27004	OK	5.62611	6.77338	0.267739	0.4117
SKIL	HGC_27con	HGC_27004	OK	3.41437	4.1108	0.267798	0.3918
ADSS	HGC_27con	HGC_27004	OK	17.3368	20.8734	0.267822	0.3456
USP7	HGC_27con	HGC_27004	OK	21.0356	25.3266	0.267826	0.3136
CENPK	HGC_27con	HGC_27004	OK	11.9364	14.3716	0.267862	0.394
HACD2	HGC_27con	HGC_27004	OK	11.7249	14.1187	0.26803	0.4798
BLM	HGC_27con	HGC_27004	OK	3.33692	4.01839	0.268103	0.4153
DNAJB5	HGC_27con	HGC_27004	OK	3.21722	3.87448	0.268185	0.4882
COX16	HGC_27con	HGC_27004	OK	17.3789	20.93	0.268231	0.5121
TCEANC	HGC_27con	HGC_27004	OK	0.5824	0.70142	0.268272	0.664
SRD5A3	HGC_27con	HGC_27004	OK	11.6543	14.0363	0.268295	0.3512
TET2	HGC_27con	HGC_27004	OK	3.34188	4.02528	0.26843	0.3587
LOC100506985	HGC_27con	HGC_27004	OK	0.90576	1.09102	0.268476	0.7121
FLOT2	HGC_27con	HGC_27004	OK	29.4755	35.5045	0.268484	0.3296
CCDC3	HGC_27con	HGC_27004	OK	11.7726	14.1815	0.268571	0.3798
SMA5	HGC_27con	HGC_27004	OK	1.77855	2.14254	0.268622	0.736
ZNF264	HGC_27con	HGC_27004	OK	0.86958	1.0476	0.268699	0.4989
SLC26A4	HGC_27con	HGC_27004	NOTEST	0.12897	0.15537	0.268716	1
MITD1	HGC_27con	HGC_27004	OK	18.022	21.712	0.268728	0.4231
LOC284412	HGC_27con	HGC_27004	OK	3.90311	4.70245	0.268789	0.4908
PAIP1	HGC_27con	HGC_27004	OK	50.4221	60.7556	0.26896	0.3161
DHH	HGC_27con	HGC_27004	NOTEST	0.07914	0.09536	0.268976	1
ANKRD13C	HGC_27con	HGC_27004	OK	4.588	5.52853	0.269031	0.3903
SBDSP1	HGC_27con	HGC_27004	OK	15.8554	19.1068	0.269113	0.3805
DHX15	HGC_27con	HGC_27004	OK	29.9888	36.1439	0.269328	0.3191
ATP5J	HGC_27con	HGC_27004	OK	69.2961	83.5365	0.269632	0.5041
UBE2D3	HGC_27con	HGC_27004	OK	43.3043	52.2036	0.269638	0.3098
FBXL5	HGC_27con	HGC_27004	OK	8.82851	10.6431	0.269672	0.3677
ZNF431	HGC_27con	HGC_27004	OK	2.5286	3.04846	0.269743	0.4705
TSN	HGC_27con	HGC_27004	OK	30.7491	37.0728	0.269817	0.3103
CPQ	HGC_27con	HGC_27004	NOTEST	0.06402	0.07719	0.269823	1
ZNF33B	HGC_27con	HGC_27004	OK	3.28546	3.96124	0.269858	0.491
ETS1	HGC_27con	HGC_27004	OK	7.66696	9.24426	0.269904	0.3487
HERC2P10	HGC_27con	HGC_27004	OK	1.87136	2.2565	0.270004	0.723
HIST3H2BB	HGC_27con	HGC_27004	OK	1.17999	1.42289	0.27004	0.7891
POLR2D	HGC_27con	HGC_27004	OK	15.4493	18.6299	0.270077	0.3645
ZNF250	HGC_27con	HGC_27004	OK	0.9426	1.1368	0.270262	0.5296
GNAI1	HGC_27con	HGC_27004	OK	22.4863	27.1202	0.270321	0.3146
HNRNPR	HGC_27con	HGC_27004	OK	23.9184	28.8483	0.270365	0.2984
TIMM10	HGC_27con	HGC_27004	OK	57.6577	69.5435	0.270402	0.3612
DSE	HGC_27con	HGC_27004	OK	4.7771	5.76197	0.270428	0.388
MDN1	HGC_27con	HGC_27004	OK	3.29175	3.97053	0.270474	0.3858
L1TD1	HGC_27con	HGC_27004	NOTEST	0.1153	0.13908	0.270538	1
C9orf43	HGC_27con	HGC_27004	OK	0.59035	0.71211	0.270539	0.919
STAG3L5P	HGC_27con	HGC_27004	OK	1.44671	1.7452	0.270619	0.6076
RPP30	HGC_27con	HGC_27004	OK	10.7348	12.9513	0.270802	0.3984
ZNF426	HGC_27con	HGC_27004	OK	3.38393	4.08277	0.270848	0.4648
DLG5-AS1	HGC_27con	HGC_27004	NOTEST	0.13179	0.159	0.270863	1
PHF7	HGC_27con	HGC_27004	OK	2.0232	2.44105	0.270867	0.5735
ARL3	HGC_27con	HGC_27004	OK	12.4507	15.0245	0.271091	0.3423
GPATCH3	HGC_27con	HGC_27004	OK	3.67412	4.43365	0.271099	0.498

TBC1D5	HGC_27con	HGC_27004	OK	11.6713	14.085	0.271193	0.3197
ZNF829	HGC_27con	HGC_27004	OK	1.40642	1.69747	0.271355	0.5879
SPAG1	HGC_27con	HGC_27004	OK	0.29677	0.35819	0.271357	0.6844
ING2	HGC_27con	HGC_27004	OK	7.19283	8.68179	0.271433	0.4048
ZCCHC9	HGC_27con	HGC_27004	OK	11.3721	13.7278	0.271598	0.5839
CRKL	HGC_27con	HGC_27004	OK	17.5828	21.2265	0.271696	0.3135
CALM1	HGC_27con	HGC_27004	OK	66.923	80.7931	0.27173	0.2871
TOM1L1	HGC_27con	HGC_27004	OK	17.3026	20.8887	0.271737	0.5489
SRSF3	HGC_27con	HGC_27004	OK	105.713	127.624	0.271743	0.2761
MTFP1	HGC_27con	HGC_27004	OK	25.7712	31.1166	0.271924	0.3699
CDK14	HGC_27con	HGC_27004	OK	5.99199	7.23486	0.271931	0.3587
MKRN2	HGC_27con	HGC_27004	OK	14.6176	17.6498	0.271939	0.5709
HAUS5	HGC_27con	HGC_27004	OK	10.7899	13.0289	0.272033	0.3413
FTH1P3	HGC_27con	HGC_27004	NOTEST	0.17364	0.20967	0.272034	1
WRB	HGC_27con	HGC_27004	OK	25.9813	31.3744	0.272112	0.3566
TMC7	HGC_27con	HGC_27004	OK	0.74256	0.8968	0.272283	0.7454
ZCCHC11	HGC_27con	HGC_27004	OK	7.94653	9.59747	0.272331	0.3269
FGF23	HGC_27con	HGC_27004	NOTEST	0.15147	0.18296	0.27243	1
SIX2	HGC_27con	HGC_27004	OK	13.3644	16.1439	0.272598	0.3999
FOXC1	HGC_27con	HGC_27004	OK	3.0306	3.66102	0.272641	0.5018
CDK12	HGC_27con	HGC_27004	OK	6.20215	7.49361	0.272892	0.3273
NCOA1	HGC_27con	HGC_27004	OK	4.37819	5.29063	0.273105	0.3468
ANKRD9	HGC_27con	HGC_27004	OK	30.1679	36.4555	0.273125	0.3881
CDC34	HGC_27con	HGC_27004	OK	45.2503	54.6822	0.273143	0.3365
ADNP2	HGC_27con	HGC_27004	OK	8.11961	9.81304	0.27329	0.3498
TRAM1	HGC_27con	HGC_27004	OK	77.8038	94.0362	0.273375	0.2909
SNHG15	HGC_27con	HGC_27004	OK	55.7713	67.4072	0.273382	0.3477
B4GALT3	HGC_27con	HGC_27004	OK	21.9306	26.5062	0.273382	0.3488
ZNF582-AS1	HGC_27con	HGC_27004	NOTEST	0.19838	0.23979	0.273535	1
RASSF1	HGC_27con	HGC_27004	OK	8.02787	9.70452	0.273639	0.4469
CASD1	HGC_27con	HGC_27004	OK	4.00903	4.84638	0.273651	0.4438
GAREM	HGC_27con	HGC_27004	OK	0.98251	1.18774	0.27368	0.5078
FSIP2	HGC_27con	HGC_27004	OK	0.46143	0.55782	0.273693	0.4541
NUDT21	HGC_27con	HGC_27004	OK	30.0197	36.2918	0.273733	0.3053
EGLN2	HGC_27con	HGC_27004	OK	17.6711	21.3646	0.27383	0.3912
RBM47	HGC_27con	HGC_27004	NOTEST	0.14442	0.17461	0.273848	1
AAK1	HGC_27con	HGC_27004	OK	4.62006	5.58621	0.273957	0.3046
YWHAH	HGC_27con	HGC_27004	OK	52.1471	63.0533	0.273984	0.3191
FAM161A	HGC_27con	HGC_27004	OK	5.22006	6.31234	0.274109	0.3796
TEC	HGC_27con	HGC_27004	OK	0.72537	0.87716	0.274118	0.6162
RNF138P1	HGC_27con	HGC_27004	NOTEST	0.07945	0.09607	0.274162	1
RCN2	HGC_27con	HGC_27004	OK	33.5422	40.5657	0.274285	0.3195
SGTB	HGC_27con	HGC_27004	OK	2.98922	3.61559	0.274463	0.5467
SCAI	HGC_27con	HGC_27004	OK	2.09645	2.53591	0.274554	0.3724
BOD1	HGC_27con	HGC_27004	OK	44.02	53.2496	0.274613	0.3039
HPS4	HGC_27con	HGC_27004	OK	8.39987	10.1615	0.274679	0.3435
PRKCE	HGC_27con	HGC_27004	OK	2.03624	2.46339	0.274737	0.4495
TTC13	HGC_27con	HGC_27004	OK	6.88707	8.33203	0.274777	0.3739
PALM2	HGC_27con	HGC_27004	OK	0.76831	0.92956	0.274846	0.758
LOC728554	HGC_27con	HGC_27004	OK	9.14344	11.0627	0.274895	0.428
SMAD4	HGC_27con	HGC_27004	OK	10.2602	12.4141	0.274916	0.3121
SPRTN	HGC_27con	HGC_27004	OK	5.93043	7.17628	0.275098	0.3859
GBAS	HGC_27con	HGC_27004	OK	35.8743	43.4179	0.275338	0.3109
C16orf72	HGC_27con	HGC_27004	OK	10.9618	13.2676	0.275422	0.3493

CRNDE	HGC_27con	HGC_27004	OK	9.76324	11.8183	0.275594	0.5206
WVOX	HGC_27con	HGC_27004	OK	3.35945	4.06678	0.275661	0.5213
NFU1	HGC_27con	HGC_27004	OK	32.8477	39.7699	0.275883	0.3411
ELMSAN1	HGC_27con	HGC_27004	OK	6.91812	8.37609	0.275897	0.325
C19orf38	HGC_27con	HGC_27004	NOTEST	0.25731	0.31154	0.275944	1
PWWP2A	HGC_27con	HGC_27004	OK	7.05081	8.5372	0.275973	0.3609
SEC61G	HGC_27con	HGC_27004	OK	137.444	166.427	0.276053	0.3479
PNMA2	HGC_27con	HGC_27004	OK	9.13569	11.063	0.276159	0.3395
SLC35F5	HGC_27con	HGC_27004	OK	10.1688	12.3154	0.276306	0.3443
FASTKD3	HGC_27con	HGC_27004	OK	8.87531	10.749	0.276329	0.4493
BSN-AS2	HGC_27con	HGC_27004	NOTEST	0.04054	0.0491	0.276415	1
ZNF621	HGC_27con	HGC_27004	OK	4.03283	4.8852	0.276624	0.3713
LOC101928673	HGC_27con	HGC_27004	OK	0.39075	0.47336	0.276688	0.7756
RBM15	HGC_27con	HGC_27004	OK	5.65863	6.85494	0.276693	0.3938
BAG2	HGC_27con	HGC_27004	OK	33.0547	40.0442	0.27674	0.3257
PPFIA4	HGC_27con	HGC_27004	OK	1.01596	1.23087	0.276825	0.4906
CDC37L1	HGC_27con	HGC_27004	OK	7.67622	9.30007	0.276845	0.3802
CNOT6	HGC_27con	HGC_27004	OK	11.6025	14.0575	0.276906	0.3126
HMG1	HGC_27con	HGC_27004	OK	153.632	186.141	0.276922	0.2908
NBEAL1	HGC_27con	HGC_27004	OK	1.23376	1.49491	0.276997	0.44
MTMR12	HGC_27con	HGC_27004	OK	8.89764	10.7818	0.277103	0.3269
DENND6A	HGC_27con	HGC_27004	OK	8.84718	10.7235	0.277483	0.3433
GSKIP	HGC_27con	HGC_27004	OK	9.1895	11.1395	0.27763	0.3972
GGPS1	HGC_27con	HGC_27004	OK	12.8395	15.5673	0.27793	0.3384
ZNF354B	HGC_27con	HGC_27004	OK	3.02825	3.67181	0.278005	0.4881
AMHR2	HGC_27con	HGC_27004	NOTEST	0.12828	0.15554	0.278016	1
BHLHB9	HGC_27con	HGC_27004	OK	1.34616	1.63227	0.278023	0.5308
STAU2	HGC_27con	HGC_27004	OK	13.5955	16.4855	0.27807	0.3344
SYNJ1	HGC_27con	HGC_27004	OK	2.41488	2.92823	0.278074	0.4083
FAM199X	HGC_27con	HGC_27004	OK	9.79507	11.8784	0.278208	0.3086
FOXJ3	HGC_27con	HGC_27004	OK	12.972	15.7323	0.278333	0.308
GJA5	HGC_27con	HGC_27004	NOTEST	0.03897	0.04727	0.278339	1
TAF2	HGC_27con	HGC_27004	OK	90.4185	109.662	0.278376	0.2777
SCO1	HGC_27con	HGC_27004	OK	16.3497	19.8294	0.278384	0.3485
WNK1	HGC_27con	HGC_27004	OK	19.4811	23.6275	0.278395	0.2803
RSRC1	HGC_27con	HGC_27004	OK	4.42283	5.36507	0.278629	0.4419
SCN4B	HGC_27con	HGC_27004	OK	0.8206	0.99545	0.278659	0.5783
CCDC138	HGC_27con	HGC_27004	OK	5.22366	6.33683	0.278698	0.4207
APBB2	HGC_27con	HGC_27004	OK	2.64383	3.20757	0.278854	0.3724
RCBTB1	HGC_27con	HGC_27004	OK	9.32852	11.3188	0.278998	0.3434
FAM177A1	HGC_27con	HGC_27004	OK	6.7314	8.16919	0.279286	0.5736
PPAP2C	HGC_27con	HGC_27004	NOTEST	0.11945	0.14497	0.279348	1
ATF2	HGC_27con	HGC_27004	OK	16.1434	19.5948	0.279524	0.319
ZNF793	HGC_27con	HGC_27004	NOTEST	0.11408	0.13847	0.27955	1
HS6ST2	HGC_27con	HGC_27004	OK	6.72824	8.16698	0.279573	0.3611
EYS	HGC_27con	HGC_27004	OK	0.37664	0.45719	0.279615	0.8149
LRRC42	HGC_27con	HGC_27004	OK	22.444	27.2443	0.279622	0.3307
SFXN1	HGC_27con	HGC_27004	OK	27.8873	33.8519	0.279625	0.3157
LRFN4	HGC_27con	HGC_27004	OK	22.0574	26.7767	0.279718	0.4367
DNAJC27	HGC_27con	HGC_27004	OK	1.23383	1.49782	0.279722	0.522
ATP10D	HGC_27con	HGC_27004	OK	3.15025	3.82433	0.279737	0.3772
LINC00346	HGC_27con	HGC_27004	NOTEST	0.01753	0.02128	0.279795	1
RHPN2	HGC_27con	HGC_27004	OK	7.53865	9.15242	0.279848	0.3688
F5	HGC_27con	HGC_27004	NOTEST	0.01559	0.01894	0.280038	1

HSF2	HGC_27con	HGC_27004	OK	7.78536	9.45367	0.28011	0.388
GPRIN1	HGC_27con	HGC_27004	OK	3.75546	4.56024	0.280119	0.4067
PAFAH1B1	HGC_27con	HGC_27004	OK	19.0189	23.0952	0.280153	0.297
GUCY1A3	HGC_27con	HGC_27004	OK	11.9321	14.49	0.280206	0.3772
SNAPC1	HGC_27con	HGC_27004	OK	5.69502	6.91627	0.280293	0.4085
MMACHC	HGC_27con	HGC_27004	OK	9.04402	10.9835	0.280308	0.7561
RTN4IP1	HGC_27con	HGC_27004	OK	3.7395	4.54162	0.28036	0.4699
RRP1B	HGC_27con	HGC_27004	OK	12.2751	14.9082	0.280367	0.3135
SELK	HGC_27con	HGC_27004	OK	16.5608	20.1142	0.280439	0.416
LTN1	HGC_27con	HGC_27004	OK	7.88771	9.58063	0.280514	0.3079
DPH3	HGC_27con	HGC_27004	OK	6.5022	7.89839	0.280631	0.3503
LPCAT4	HGC_27con	HGC_27004	OK	14.6884	17.843	0.280681	0.3698
ANG	HGC_27con	HGC_27004	OK	3.27093	3.9737	0.280781	0.7128
AP3S1	HGC_27con	HGC_27004	OK	37.9436	46.0981	0.280852	0.3295
ADCYAP1R1	HGC_27con	HGC_27004	NOTEST	0.0368	0.04472	0.281038	1
RAB3IL1	HGC_27con	HGC_27004	OK	18.3418	22.2902	0.281276	0.3304
MSH2	HGC_27con	HGC_27004	OK	24.8861	30.2452	0.281369	0.2914
ZNF367	HGC_27con	HGC_27004	OK	10.0044	12.1617	0.281701	0.338
TVP23C	HGC_27con	HGC_27004	OK	1.31202	1.59495	0.281714	0.6583
LINC01535	HGC_27con	HGC_27004	OK	3.63893	4.4238	0.281771	0.6723
HECW2	HGC_27con	HGC_27004	NOTEST	0.08913	0.10837	0.281927	1
DDX21	HGC_27con	HGC_27004	OK	54.6773	66.4781	0.281937	0.2687
L3MBTL1	HGC_27con	HGC_27004	OK	0.63511	0.77219	0.281942	0.6411
RAB43	HGC_27con	HGC_27004	OK	0.56821	0.69087	0.281995	0.8035
ERLEC1	HGC_27con	HGC_27004	OK	21.8432	26.5621	0.282185	0.3964
UBE2R2	HGC_27con	HGC_27004	OK	21.6323	26.3104	0.282444	0.2941
DNM1P41	HGC_27con	HGC_27004	OK	3.03329	3.68952	0.282549	0.4361
SUGT1P1	HGC_27con	HGC_27004	OK	3.85951	4.69485	0.282661	0.6589
DIS3L	HGC_27con	HGC_27004	OK	10.7087	13.0266	0.282683	0.3112
ALOX12-AS1	HGC_27con	HGC_27004	OK	0.95286	1.15914	0.282731	0.8099
TXLNB	HGC_27con	HGC_27004	NOTEST	0.19118	0.23258	0.282765	1
STXBP6	HGC_27con	HGC_27004	OK	2.67298	3.25204	0.282895	0.4642
PUSL1	HGC_27con	HGC_27004	OK	11.9777	14.5733	0.282977	0.7436
FUBP1	HGC_27con	HGC_27004	OK	29.266	35.6094	0.283032	0.2937
XPO5	HGC_27con	HGC_27004	OK	25.0982	30.5419	0.283205	0.285
AP2B1	HGC_27con	HGC_27004	OK	48.4906	59.0203	0.283506	0.2563
UBE2E1	HGC_27con	HGC_27004	OK	37.6083	45.7749	0.283506	0.3057
EXOC8	HGC_27con	HGC_27004	OK	4.73959	5.76917	0.283603	0.3724
SLC30A1	HGC_27con	HGC_27004	OK	12.9531	15.767	0.283614	0.3699
PAWR	HGC_27con	HGC_27004	OK	13.3644	16.2687	0.283702	0.3631
NRBF2	HGC_27con	HGC_27004	OK	8.41139	10.2397	0.283761	0.3794
CABLES2	HGC_27con	HGC_27004	OK	2.80684	3.4171	0.283828	0.4716
STRA13	HGC_27con	HGC_27004	OK	30.1718	36.7343	0.283927	0.3751
CDV3	HGC_27con	HGC_27004	OK	31.4347	38.2729	0.283965	0.2929
SPTSSA	HGC_27con	HGC_27004	OK	11.0289	13.4282	0.283984	0.3631
NFKBIE	HGC_27con	HGC_27004	OK	1.18511	1.44299	0.284038	0.5972
DFFA	HGC_27con	HGC_27004	OK	19.6144	23.883	0.28407	0.3183
TTC39B	HGC_27con	HGC_27004	OK	3.16299	3.85158	0.284162	0.4454
CELSR1	HGC_27con	HGC_27004	OK	4.88152	5.94431	0.284178	0.3167
PDE3B	HGC_27con	HGC_27004	OK	5.73729	6.98716	0.284338	0.3339
CBWD2	HGC_27con	HGC_27004	OK	5.52725	6.73286	0.284659	0.4434
RAPGEF5	HGC_27con	HGC_27004	OK	0.78125	0.95166	0.284669	0.5388
SCAMP1-AS1	HGC_27con	HGC_27004	OK	4.91636	5.98932	0.284804	0.6851
CDT1	HGC_27con	HGC_27004	OK	28.6154	34.8658	0.285022	0.3002

CCNE2	HGC_27con	HGC_27004	OK	5.66096	6.89812	0.285157	0.6214
GDAP2	HGC_27con	HGC_27004	OK	2.75709	3.35968	0.285177	0.4522
NEK4	HGC_27con	HGC_27004	OK	3.47573	4.23548	0.28521	0.3941
LOC101928131	HGC_27con	HGC_27004	OK	0.28939	0.35265	0.285254	0.7736
GCLC	HGC_27con	HGC_27004	OK	11.1807	13.6252	0.285276	0.3223
FKBP1	HGC_27con	HGC_27004	OK	6.52087	7.94677	0.285304	0.4723
GSR	HGC_27con	HGC_27004	OK	41.1504	50.1514	0.285383	0.2899
KRAS	HGC_27con	HGC_27004	OK	12.5776	15.3295	0.285459	0.3104
TMEM56	HGC_27con	HGC_27004	OK	6.25075	7.6185	0.285479	0.3775
ZNF706	HGC_27con	HGC_27004	OK	17.9751	21.9089	0.285514	0.3154
NOL11	HGC_27con	HGC_27004	OK	24.1365	29.4187	0.285522	0.3014
PSME4	HGC_27con	HGC_27004	OK	18.089	22.0483	0.285549	0.2759
HNRNPU	HGC_27con	HGC_27004	OK	86.008	104.836	0.285594	0.2669
ACER3	HGC_27con	HGC_27004	OK	3.08668	3.76251	0.285638	0.3695
ZDHHC20	HGC_27con	HGC_27004	OK	11.5996	14.1396	0.285665	0.3151
COX18	HGC_27con	HGC_27004	OK	4.9016	5.97515	0.285724	0.3796
LINC01204	HGC_27con	HGC_27004	NOTEST	0.06081	0.07414	0.285875	1
PGAP1	HGC_27con	HGC_27004	OK	3.24551	3.95684	0.285905	0.3354
VN1R2	HGC_27con	HGC_27004	OK	0.31192	0.3803	0.285937	0.775
HSP90AA1	HGC_27con	HGC_27004	OK	208.096	253.741	0.286107	0.2696
CREBL2	HGC_27con	HGC_27004	OK	9.76741	11.9108	0.286222	0.3342
FAM21A	HGC_27con	HGC_27004	OK	4.11802	5.0229	0.28657	0.3389
LSMEM1	HGC_27con	HGC_27004	OK	0.32211	0.39289	0.28658	0.7283
SNX27	HGC_27con	HGC_27004	OK	6.9541	8.48264	0.286649	0.3077
FUT4	HGC_27con	HGC_27004	OK	1.86047	2.26944	0.286673	0.4639
KLHL42	HGC_27con	HGC_27004	OK	7.03118	8.57689	0.286687	0.3254
CAPS2	HGC_27con	HGC_27004	NOTEST	0.05875	0.07168	0.286841	1
TAOK1	HGC_27con	HGC_27004	OK	10.293	12.5581	0.286955	0.2655
MYH10	HGC_27con	HGC_27004	OK	18.7169	22.8368	0.28702	0.2599
KIF3A	HGC_27con	HGC_27004	OK	4.16583	5.08383	0.287312	0.3395
DKC1	HGC_27con	HGC_27004	OK	56.5556	69.0205	0.287354	0.2665
CCDC6	HGC_27con	HGC_27004	OK	18.479	22.5521	0.287375	0.2883
MRPL1	HGC_27con	HGC_27004	OK	17.6324	21.5193	0.2874	0.3564
CAMK2G	HGC_27con	HGC_27004	OK	10.0086	12.2158	0.287506	0.323
SLC5A6	HGC_27con	HGC_27004	OK	21.87	26.6936	0.287542	0.4936
RAB4B-EGLN2	HGC_27con	HGC_27004	NOTEST	0.0006	0.00073	0.287551	1
BZW1	HGC_27con	HGC_27004	OK	59.5755	72.7204	0.287642	0.2669
C22orf15	HGC_27con	HGC_27004	OK	0.26581	0.32448	0.28771	0.7633
TCEAL1	HGC_27con	HGC_27004	OK	15.2578	18.6253	0.287711	0.3834
TYMP	HGC_27con	HGC_27004	OK	2.69865	3.29461	0.287869	0.837
ANKRD31	HGC_27con	HGC_27004	NOTEST	0.10353	0.12641	0.288032	1
POLI	HGC_27con	HGC_27004	OK	4.81627	5.88081	0.288097	0.3415
CUL3	HGC_27con	HGC_27004	OK	13.2495	16.1784	0.288136	0.2751
MCOLN2	HGC_27con	HGC_27004	OK	1.85653	2.26717	0.288286	0.521
FLJ36000	HGC_27con	HGC_27004	OK	4.71204	5.75501	0.288467	0.4036
SMNDC1	HGC_27con	HGC_27004	OK	13.8163	16.8746	0.288481	0.3481
ATL1	HGC_27con	HGC_27004	OK	5.23916	6.39887	0.288482	0.4051
OXER1	HGC_27con	HGC_27004	NOTEST	0.08777	0.1072	0.288545	1
ITPRIPL2	HGC_27con	HGC_27004	OK	7.22936	8.83033	0.2886	0.2951
SLC2A13	HGC_27con	HGC_27004	OK	4.53955	5.54513	0.28867	0.3558
BTBD19	HGC_27con	HGC_27004	NOTEST	0.21311	0.26032	0.288742	1
MTRNR2L8	HGC_27con	HGC_27004	OK	7.45689	9.10923	0.288755	0.4604
LSM5	HGC_27con	HGC_27004	OK	30.1772	36.8671	0.288873	0.2975
DUSP11	HGC_27con	HGC_27004	OK	16.4069	20.045	0.288939	0.3576

ASB11	HGC_27con	HGC_27004	OK	2.00627	2.45128	0.28902	0.5395
ECI2	HGC_27con	HGC_27004	OK	42.945	52.4728	0.289081	0.294
GPLD1	HGC_27con	HGC_27004	OK	0.31337	0.3829	0.28912	0.7987
HSPA4L	HGC_27con	HGC_27004	OK	4.97265	6.07606	0.289121	0.368
TMEM192	HGC_27con	HGC_27004	OK	8.09764	9.89482	0.289172	0.3221
HNRNPA2B1	HGC_27con	HGC_27004	OK	213.613	261.029	0.289211	0.2484
SCHLAP1	HGC_27con	HGC_27004	NOTEST	0.16238	0.19843	0.289231	1
AKNA	HGC_27con	HGC_27004	OK	28.5558	34.8951	0.289241	0.2603
LOC100128076	HGC_27con	HGC_27004	NOTEST	0.05892	0.072	0.289287	1
SLC17A5	HGC_27con	HGC_27004	OK	6.81327	8.32668	0.289394	0.3701
TTC19	HGC_27con	HGC_27004	OK	12.715	15.5401	0.289468	0.3409
WBP5	HGC_27con	HGC_27004	OK	24.5283	29.9783	0.289472	0.3125
DPYSL2	HGC_27con	HGC_27004	OK	30.1842	36.8924	0.289531	0.2703
UBR5	HGC_27con	HGC_27004	OK	8.28729	10.1296	0.28961	0.2642
LKAAEAR1	HGC_27con	HGC_27004	OK	7.20345	8.80532	0.289688	0.6986
XPO4	HGC_27con	HGC_27004	OK	8.30537	10.1531	0.289802	0.2875
IL22RA1	HGC_27con	HGC_27004	OK	0.2791	0.34121	0.289837	0.7007
SLC4A5	HGC_27con	HGC_27004	OK	6.28741	7.6865	0.289861	0.3151
USP28	HGC_27con	HGC_27004	OK	7.10378	8.68613	0.290128	0.3149
CTPS1	HGC_27con	HGC_27004	OK	37.5503	45.9159	0.29017	0.2658
ZNF680	HGC_27con	HGC_27004	OK	3.4613	4.23258	0.290223	0.4511
EML4	HGC_27con	HGC_27004	OK	30.844	37.7176	0.290247	0.2629
TES	HGC_27con	HGC_27004	NOTEST	0.2347	0.28704	0.290441	1
CTDSPL	HGC_27con	HGC_27004	OK	7.89613	9.65885	0.290705	0.3212
LOC100128288	HGC_27con	HGC_27004	OK	2.24074	2.74121	0.290834	0.5608
UHRF2	HGC_27con	HGC_27004	OK	11.341	13.8746	0.290902	0.3049
PSMD11	HGC_27con	HGC_27004	OK	22.7684	27.8575	0.291037	0.2692
PUS10	HGC_27con	HGC_27004	OK	1.46618	1.79391	0.291052	0.6808
MAP3K7	HGC_27con	HGC_27004	OK	6.66644	8.15695	0.291114	0.3116
DCAF17	HGC_27con	HGC_27004	OK	5.41704	6.62865	0.291211	0.4982
TMSB10	HGC_27con	HGC_27004	OK	621.231	760.268	0.291377	0.2576
KRR1	HGC_27con	HGC_27004	OK	5.90315	7.22461	0.291434	0.3619
HAUS2	HGC_27con	HGC_27004	OK	9.4282	11.5404	0.291641	0.3075
ZBTB49	HGC_27con	HGC_27004	OK	0.85402	1.04536	0.291654	0.6164
LYAR	HGC_27con	HGC_27004	OK	9.59887	11.7495	0.291664	0.3528
DCT	HGC_27con	HGC_27004	OK	4.64331	5.68365	0.291664	0.4255
GCSHP3	HGC_27con	HGC_27004	OK	4.45223	5.45035	0.291821	0.5668
MAMLD1	HGC_27con	HGC_27004	OK	5.36534	6.57066	0.292369	0.3602
EGFLAM	HGC_27con	HGC_27004	OK	1.70554	2.0887	0.292378	0.5361
IL34	HGC_27con	HGC_27004	NOTEST	0.06941	0.085	0.292388	1
SRPK2	HGC_27con	HGC_27004	OK	15.6746	19.197	0.292452	0.2797
CPM	HGC_27con	HGC_27004	NOTEST	0.02427	0.02973	0.29256	1
CPAMD8	HGC_27con	HGC_27004	NOTEST	0.05778	0.07078	0.292595	1
IL18BP	HGC_27con	HGC_27004	OK	1.42414	1.74437	0.292618	0.8631
JADE3	HGC_27con	HGC_27004	OK	3.10924	3.80841	0.292626	0.3657
LINC01578	HGC_27con	HGC_27004	OK	28.6648	35.1118	0.292675	0.3146
NT5DC2	HGC_27con	HGC_27004	OK	103.388	126.65	0.292775	0.2624
GLOD4	HGC_27con	HGC_27004	OK	30.9974	37.9729	0.29282	0.3312
GGCT	HGC_27con	HGC_27004	OK	68.442	83.8498	0.292925	0.2859
SNRPA1	HGC_27con	HGC_27004	OK	35.1749	43.0972	0.293048	0.316
SPATA24	HGC_27con	HGC_27004	OK	3.55814	4.3603	0.293306	0.6054
SMN2	HGC_27con	HGC_27004	NOTEST	0.00872	0.01069	0.293357	1
RASGRF2	HGC_27con	HGC_27004	NOTEST	0.0526	0.06447	0.293434	1
MDM4	HGC_27con	HGC_27004	OK	8.13911	9.97587	0.293572	0.2901

UGCG	HGC_27con	HGC_27004	OK	7.48074	9.16984	0.293716	0.3442
NUDT8	HGC_27con	HGC_27004	OK	45.7885	56.1277	0.293728	0.369
UBE2J1	HGC_27con	HGC_27004	OK	18.3382	22.4824	0.293945	0.287
KNOP1	HGC_27con	HGC_27004	OK	9.49758	11.6441	0.293974	0.4235
MTO1	HGC_27con	HGC_27004	OK	8.30276	10.1807	0.294175	0.3408
RNF185	HGC_27con	HGC_27004	OK	14.0152	17.1865	0.294279	0.3142
PSMD7	HGC_27con	HGC_27004	OK	38.7945	47.5737	0.294314	0.2766
LINC00173	HGC_27con	HGC_27004	OK	0.74889	0.91847	0.294478	0.7871
RNASEH1	HGC_27con	HGC_27004	OK	19.585	24.0205	0.294519	0.3125
FZD3	HGC_27con	HGC_27004	OK	2.7651	3.39148	0.294584	0.3168
CREB5	HGC_27con	HGC_27004	NOTEST	0.05801	0.07115	0.294661	1
ZBTB43	HGC_27con	HGC_27004	OK	3.0162	3.70004	0.294809	0.3667
CPT1A	HGC_27con	HGC_27004	OK	20.0156	24.555	0.294892	0.2719
DDX46	HGC_27con	HGC_27004	OK	11.9752	14.6914	0.294928	0.2615
SKP2	HGC_27con	HGC_27004	OK	26.0902	32.0085	0.294947	0.3131
ZNF619	HGC_27con	HGC_27004	OK	0.98273	1.20571	0.295023	0.5772
CEP120	HGC_27con	HGC_27004	OK	4.30675	5.28402	0.295037	0.3412
UBE2D2	HGC_27con	HGC_27004	OK	35.1644	43.1441	0.295049	0.2715
HERC4	HGC_27con	HGC_27004	OK	8.53768	10.4751	0.295053	0.3427
ISCA2	HGC_27con	HGC_27004	OK	23.0976	28.3473	0.295469	0.3539
PHLPP2	HGC_27con	HGC_27004	OK	1.3694	1.68065	0.295478	0.4038
SCN4A	HGC_27con	HGC_27004	OK	4.92119	6.04037	0.295629	0.3161
ZNF705E	HGC_27con	HGC_27004	NOTEST	0.09255	0.11361	0.295693	1
PRRT4	HGC_27con	HGC_27004	OK	5.36	6.57978	0.295808	0.4327
STIL	HGC_27con	HGC_27004	OK	6.09827	7.48756	0.296096	0.316
ACTN2	HGC_27con	HGC_27004	OK	0.26442	0.32473	0.296403	0.6425
RAD21	HGC_27con	HGC_27004	OK	218.396	268.211	0.296418	0.2549
PKMYT1	HGC_27con	HGC_27004	OK	22.7056	27.8858	0.296483	0.4203
MRPL50	HGC_27con	HGC_27004	OK	42.413	52.0965	0.296681	0.3178
DENND1B	HGC_27con	HGC_27004	OK	7.06184	8.67456	0.296747	0.3888
ZNF222	HGC_27con	HGC_27004	OK	1.23871	1.52165	0.296805	0.5994
PIAS2	HGC_27con	HGC_27004	OK	8.97577	11.0263	0.296841	0.3028
LRP12	HGC_27con	HGC_27004	OK	3.13791	3.85492	0.296896	0.4021
BUB1B	HGC_27con	HGC_27004	OK	15.9769	19.628	0.296924	0.2731
PIP4K2A	HGC_27con	HGC_27004	OK	10.7221	13.173	0.296989	0.3122
SLC25A30	HGC_27con	HGC_27004	OK	6.63248	8.14856	0.296997	0.3465
CTSS	HGC_27con	HGC_27004	OK	2.71019	3.32982	0.297048	0.4192
RBM43	HGC_27con	HGC_27004	OK	1.35008	1.65903	0.297299	0.5244
TMEM263	HGC_27con	HGC_27004	OK	19.0581	23.4227	0.297503	0.2873
C1orf109	HGC_27con	HGC_27004	OK	11.298	13.8859	0.297555	0.323
ROCK1P1	HGC_27con	HGC_27004	OK	0.35805	0.44007	0.297558	0.6805
PBX3	HGC_27con	HGC_27004	OK	18.0426	22.1772	0.29767	0.3074
ASGR1	HGC_27con	HGC_27004	OK	0.83147	1.0221	0.297803	0.6638
PDGFD	HGC_27con	HGC_27004	OK	3.32481	4.08715	0.297822	0.3944
SRRM1	HGC_27con	HGC_27004	OK	11.9741	14.7209	0.297941	0.2753
SPTY2D1	HGC_27con	HGC_27004	OK	4.95012	6.08602	0.298035	0.3181
DHX37	HGC_27con	HGC_27004	OK	5.85398	7.19755	0.298088	0.3382
TBC1D30	HGC_27con	HGC_27004	OK	0.82039	1.00869	0.298102	0.4881
HLA-J	HGC_27con	HGC_27004	OK	0.74643	0.91778	0.298138	0.7681
OSGIN2	HGC_27con	HGC_27004	OK	8.30336	10.21	0.298221	0.3148
NNT-AS1	HGC_27con	HGC_27004	OK	5.25966	6.46785	0.298316	0.6995
LPAR3	HGC_27con	HGC_27004	OK	13.2187	16.2603	0.298775	0.3833
MIB1	HGC_27con	HGC_27004	OK	14.7437	18.138	0.298913	0.2582
KDM4A-AS1	HGC_27con	HGC_27004	OK	2.39895	2.95123	0.298913	0.8738

KCTD10	HGC_27con	HGC_27004	OK	7.69539	9.46842	0.299129	0.3295
DNAJC9-AS1	HGC_27con	HGC_27004	NOTEST	0.13631	0.16772	0.299146	1
RMI1	HGC_27con	HGC_27004	OK	13.9001	17.103	0.299152	0.2956
LYSMD3	HGC_27con	HGC_27004	OK	14.8042	18.2176	0.299332	0.2734
ZBTB12	HGC_27con	HGC_27004	OK	7.75763	9.54711	0.299447	0.4044
CPSF6	HGC_27con	HGC_27004	OK	16.2756	20.0303	0.299471	0.2598
MBIP	HGC_27con	HGC_27004	OK	7.93886	9.77044	0.299492	0.368
ORC6	HGC_27con	HGC_27004	OK	12.4121	15.2767	0.299586	0.339
N4BP3	HGC_27con	HGC_27004	OK	1.83277	2.25592	0.29969	0.4127
LRIG2	HGC_27con	HGC_27004	OK	4.00504	4.93084	0.300016	0.3627
VPS33A	HGC_27con	HGC_27004	OK	5.84438	7.19538	0.300021	0.3779
SNORA27	HGC_27con	HGC_27004	OK	31.6098	38.9171	0.300035	0.8837
TP53I13	HGC_27con	HGC_27004	OK	18.6631	22.978	0.300058	0.353
PDHA1	HGC_27con	HGC_27004	OK	15.6987	19.3285	0.300081	0.3151
ZBTB39	HGC_27con	HGC_27004	OK	4.43894	5.46574	0.300203	0.3231
ASNSD1	HGC_27con	HGC_27004	OK	22.6607	27.9029	0.300221	0.274
LAMTOR3	HGC_27con	HGC_27004	OK	3.58905	4.41944	0.30026	0.3924
HLTF	HGC_27con	HGC_27004	OK	11.089	13.656	0.300412	0.2753
SLC23A1	HGC_27con	HGC_27004	NOTEST	0.12944	0.15941	0.300509	1
TLL7	HGC_27con	HGC_27004	OK	2.88794	3.55716	0.300686	0.3881
LDHA	HGC_27con	HGC_27004	OK	242.109	298.221	0.300725	0.2425
RUFY3	HGC_27con	HGC_27004	OK	9.16877	11.2938	0.300725	0.3368
ZRSR2	HGC_27con	HGC_27004	OK	1.64479	2.02609	0.300791	0.5309
ZNF90	HGC_27con	HGC_27004	NOTEST	0.23497	0.28946	0.300877	1
CREBZF	HGC_27con	HGC_27004	OK	7.23991	8.91899	0.300909	0.2975
CASP2	HGC_27con	HGC_27004	OK	10.6251	13.0903	0.30102	0.2956
VCPIP1	HGC_27con	HGC_27004	OK	2.99297	3.68787	0.301208	0.338
UTRN	HGC_27con	HGC_27004	OK	3.89842	4.80385	0.301304	0.2815
ALKBH1	HGC_27con	HGC_27004	OK	6.83807	8.42654	0.301353	0.3682
ZNF552	HGC_27con	HGC_27004	OK	1.10417	1.36084	0.301525	0.5892
MCM8	HGC_27con	HGC_27004	OK	8.77193	10.8116	0.301619	0.2925
KMT2A	HGC_27con	HGC_27004	OK	5.49056	6.76754	0.301676	0.2939
SYNE3	HGC_27con	HGC_27004	OK	5.25671	6.48101	0.30206	0.3534
EIF4G2	HGC_27con	HGC_27004	OK	194.09	239.361	0.302463	0.2395
WDR41	HGC_27con	HGC_27004	OK	19.8187	24.4429	0.302555	0.2864
LCORL	HGC_27con	HGC_27004	OK	5.02994	6.2037	0.302589	0.5749
MIER3	HGC_27con	HGC_27004	OK	5.43698	6.70656	0.302766	0.3449
TDP2	HGC_27con	HGC_27004	OK	16.8471	20.7816	0.302807	0.3054
EPB41L4A	HGC_27con	HGC_27004	OK	3.55365	4.38409	0.302974	0.3731
EED	HGC_27con	HGC_27004	OK	4.22684	5.21519	0.303139	0.4018
NDUFS4	HGC_27con	HGC_27004	OK	50.0932	61.8065	0.303146	0.305
SH2B3	HGC_27con	HGC_27004	OK	3.10607	3.83304	0.303396	0.3786
MTX2	HGC_27con	HGC_27004	OK	32.2738	39.8282	0.303428	0.2903
LINC00669	HGC_27con	HGC_27004	OK	2.77061	3.41914	0.303432	0.4959
RAD51	HGC_27con	HGC_27004	OK	4.70562	5.80762	0.303561	0.4061
TCP1	HGC_27con	HGC_27004	OK	77.3736	95.4946	0.303578	0.2689
WNT8B	HGC_27con	HGC_27004	NOTEST	0.15115	0.18658	0.303836	1
RAB3GAP1	HGC_27con	HGC_27004	OK	23.589	29.1227	0.304025	0.2425
SENP2	HGC_27con	HGC_27004	OK	13.7728	17.0039	0.304045	0.2856
RNF19B	HGC_27con	HGC_27004	OK	2.8138	3.47408	0.304108	0.4504
EPB41	HGC_27con	HGC_27004	OK	13.4336	16.5874	0.304243	0.2831
SP4	HGC_27con	HGC_27004	OK	4.05466	5.00728	0.304446	0.3351
PNO1	HGC_27con	HGC_27004	OK	21.2669	26.2648	0.304525	0.291
MANEA	HGC_27con	HGC_27004	OK	2.97754	3.67748	0.304596	0.4094

ESD	HGC_27con	HGC_27004	OK	98.171	121.253	0.304654	0.2538
PLAGL2	HGC_27con	HGC_27004	OK	6.41847	7.92769	0.304672	0.3168
FAM86B2	HGC_27con	HGC_27004	OK	0.68572	0.84696	0.304672	0.6933
TEKT4	HGC_27con	HGC_27004	OK	0.26678	0.32953	0.304764	0.8018
APOBEC3B-AS1	HGC_27con	HGC_27004	OK	0.98432	1.21589	0.304817	0.461
NCAPG2	HGC_27con	HGC_27004	OK	21.4725	26.5256	0.304894	0.2561
PRDM6	HGC_27con	HGC_27004	OK	0.30508	0.37695	0.305189	0.6814
SAP30	HGC_27con	HGC_27004	OK	32.4394	40.0847	0.305302	0.3037
TMEM52B	HGC_27con	HGC_27004	NOTEST	0.12759	0.15767	0.305331	1
TRIT1	HGC_27con	HGC_27004	OK	13.5894	16.7948	0.305535	0.3151
CIT	HGC_27con	HGC_27004	OK	4.69557	5.80322	0.305554	0.2735
TEF	HGC_27con	HGC_27004	OK	6.43251	7.95019	0.305607	0.31
ATAD5	HGC_27con	HGC_27004	OK	2.25425	2.7862	0.305651	0.3512
TRIM24	HGC_27con	HGC_27004	OK	7.42717	9.18033	0.305734	0.2977
TMEM246	HGC_27con	HGC_27004	OK	12.7279	15.7328	0.305776	0.2755
SIAH2	HGC_27con	HGC_27004	OK	15.2521	18.8537	0.305845	0.3222
PAK1IP1	HGC_27con	HGC_27004	OK	23.4125	28.9413	0.305854	0.2928
ORMDL1	HGC_27con	HGC_27004	OK	25.211	31.1649	0.305869	0.4209
LINC00221	HGC_27con	HGC_27004	OK	22.6732	28.0289	0.305925	0.2844
MKLN1-AS	HGC_27con	HGC_27004	OK	1.15702	1.4304	0.306007	0.8794
ASRGL1	HGC_27con	HGC_27004	OK	7.94391	9.82109	0.306034	0.3324
BCAR3	HGC_27con	HGC_27004	OK	2.72345	3.3671	0.306074	0.4452
ABCA3	HGC_27con	HGC_27004	OK	28.2765	34.9617	0.306174	0.2414
PPP1R3C	HGC_27con	HGC_27004	OK	2.48876	3.07719	0.306187	0.4741
STRN3	HGC_27con	HGC_27004	OK	9.03702	11.1756	0.306432	0.3157
SYCE2	HGC_27con	HGC_27004	OK	4.07117	5.03482	0.306495	0.7158
HERC3	HGC_27con	HGC_27004	OK	2.4912	3.08134	0.306716	0.3907
PSD3	HGC_27con	HGC_27004	OK	3.21039	3.97095	0.306733	0.2839
AZIN1	HGC_27con	HGC_27004	OK	21.0587	26.0491	0.306817	0.2601
FN3KRP	HGC_27con	HGC_27004	OK	8.37125	10.3557	0.306907	0.3623
STAT1	HGC_27con	HGC_27004	OK	10.4468	12.9233	0.306911	0.2756
TDRD7	HGC_27con	HGC_27004	OK	3.0261	3.74372	0.307015	0.3721
SSR3	HGC_27con	HGC_27004	OK	38.5417	47.6844	0.307097	0.2398
RAD51AP1	HGC_27con	HGC_27004	OK	10.2503	12.6818	0.307099	0.3233
ZBED9	HGC_27con	HGC_27004	OK	1.50719	1.86488	0.307217	0.4305
C6orf62	HGC_27con	HGC_27004	OK	41.044	50.7848	0.307225	0.3048
CCDC120	HGC_27con	HGC_27004	OK	1.77595	2.19749	0.307266	0.4968
SNORA62	HGC_27con	HGC_27004	OK	19.6984	24.3749	0.307314	0.8981
LOC441081	HGC_27con	HGC_27004	OK	0.65409	0.8094	0.307358	0.7034
RNASEH2B	HGC_27con	HGC_27004	OK	30.0729	37.2161	0.30746	0.2733
CDR2	HGC_27con	HGC_27004	OK	12.4496	15.4069	0.307472	0.2898
SLFNL1-AS1	HGC_27con	HGC_27004	OK	0.85053	1.05265	0.307602	0.8401
MYO1B	HGC_27con	HGC_27004	OK	12.3099	15.2365	0.307707	0.2552
TIMM8A	HGC_27con	HGC_27004	OK	13.8646	17.1612	0.307738	0.4082
NNT	HGC_27con	HGC_27004	OK	27.7888	34.4033	0.308044	0.264
FAM229A	HGC_27con	HGC_27004	OK	2.41194	2.98673	0.308377	0.672
OCLN	HGC_27con	HGC_27004	OK	1.01437	1.25624	0.308535	0.4876
ZFP90	HGC_27con	HGC_27004	OK	4.94085	6.11942	0.308634	0.3336
HEATR1	HGC_27con	HGC_27004	OK	17.7177	21.9451	0.30871	0.2496
SCOC	HGC_27con	HGC_27004	OK	14.1205	17.4902	0.30876	0.3165
FAM126B	HGC_27con	HGC_27004	OK	2.14258	2.65422	0.308942	0.348
MDM1	HGC_27con	HGC_27004	OK	4.20814	5.21318	0.308982	0.3853
FGF11	HGC_27con	HGC_27004	OK	2.98325	3.69577	0.308991	0.4735
MTPN	HGC_27con	HGC_27004	OK	47.7113	59.1084	0.309031	0.2375

NMT2	HGC_27con	HGC_27004	OK	8.76544	10.8605	0.309191	0.2951
NF1	HGC_27con	HGC_27004	OK	8.59996	10.6558	0.309242	0.3088
IPMK	HGC_27con	HGC_27004	OK	2.22145	2.75254	0.309259	0.4061
COA6	HGC_27con	HGC_27004	OK	28.2874	35.0526	0.309362	0.3485
CNOT6L	HGC_27con	HGC_27004	OK	4.41264	5.46799	0.30937	0.2848
ATG5	HGC_27con	HGC_27004	OK	10.3576	12.8359	0.309497	0.2897
GOLGA6L9	HGC_27con	HGC_27004	NOTEST	0.09094	0.1127	0.309541	1
PIK3CB	HGC_27con	HGC_27004	OK	3.03874	3.76601	0.309567	0.3361
HSPA14	HGC_27con	HGC_27004	OK	18.1209	22.4612	0.30978	0.2966
ARFGAP3	HGC_27con	HGC_27004	OK	22.0496	27.3312	0.309799	0.2568
LOC100131257	HGC_27con	HGC_27004	NOTEST	0.18626	0.23088	0.309801	1
PRMT2	HGC_27con	HGC_27004	OK	22.7366	28.1849	0.309908	0.2775
OTOG	HGC_27con	HGC_27004	NOTEST	0.02806	0.03478	0.309967	1
RNF157-AS1	HGC_27con	HGC_27004	NOTEST	0.14367	0.17812	0.310021	1
SLC25A16	HGC_27con	HGC_27004	OK	5.89321	7.30824	0.31047	0.4078
LOC101927018	HGC_27con	HGC_27004	NOTEST	0.1912	0.23711	0.310485	1
TMSB4X	HGC_27con	HGC_27004	OK	88.5946	109.869	0.310492	0.2698
CCDC93	HGC_27con	HGC_27004	OK	3.9312	4.87598	0.310724	0.2948
GLI3	HGC_27con	HGC_27004	OK	8.1288	10.083	0.310811	0.2646
NBPF8,NBPF9	HGC_27con	HGC_27004	OK	0.30426	0.37745	0.311006	0.8062
PLEK	HGC_27con	HGC_27004	NOTEST	0.04035	0.05006	0.311178	1
POLE3	HGC_27con	HGC_27004	OK	51.298	63.6477	0.311204	0.2451
KRT6A	HGC_27con	HGC_27004	NOTEST	0.04437	0.05506	0.311286	1
SMG1	HGC_27con	HGC_27004	OK	8.7549	10.8634	0.311318	0.2395
LINC00616	HGC_27con	HGC_27004	OK	3.50554	4.34997	0.311369	0.8584
GABRQ	HGC_27con	HGC_27004	OK	0.28795	0.35731	0.31137	0.7106
ADSL	HGC_27con	HGC_27004	OK	98.6376	122.414	0.311559	0.239
SNHG1	HGC_27con	HGC_27004	OK	230.775	286.425	0.311667	0.2203
PTP4A1	HGC_27con	HGC_27004	OK	15.8048	19.6175	0.311776	0.2567
HIRIP3	HGC_27con	HGC_27004	OK	9.63464	11.9596	0.311867	0.3081
KPNA1	HGC_27con	HGC_27004	OK	6.33221	7.86108	0.312018	0.2801
CSGALNACT2	HGC_27con	HGC_27004	OK	5.96944	7.41113	0.312098	0.3219
FOXM1	HGC_27con	HGC_27004	OK	35.7108	44.3355	0.312102	0.2869
DYNC1H1	HGC_27con	HGC_27004	OK	40.1096	49.7971	0.312113	0.2307
FOCAD	HGC_27con	HGC_27004	OK	18.216	22.6157	0.312122	0.24
NEMP2	HGC_27con	HGC_27004	OK	4.1769	5.18599	0.312187	0.3692
MASTL	HGC_27con	HGC_27004	OK	6.33668	7.86816	0.3123	0.3129
TIMM17A	HGC_27con	HGC_27004	OK	69.2769	86.0208	0.312312	0.2418
STEAP1	HGC_27con	HGC_27004	OK	7.56394	9.39212	0.312314	0.4286
FAM35A	HGC_27con	HGC_27004	OK	8.66998	10.7661	0.312401	0.2888
BCAT1	HGC_27con	HGC_27004	OK	27.1181	33.6752	0.31243	0.2219
RFXAP	HGC_27con	HGC_27004	OK	5.07738	6.30519	0.312455	0.3821
LRRC58	HGC_27con	HGC_27004	OK	12.0877	15.0137	0.312741	0.2463
VBP1	HGC_27con	HGC_27004	OK	44.7148	55.5415	0.312816	0.2592
ZBTB34	HGC_27con	HGC_27004	OK	3.39709	4.2199	0.312909	0.3439
PKLR	HGC_27con	HGC_27004	NOTEST	0.25528	0.31712	0.31295	1
ASF1B	HGC_27con	HGC_27004	OK	37.1037	46.0937	0.313005	0.2721
ZGRF1	HGC_27con	HGC_27004	OK	1.00858	1.25338	0.313499	0.5847
UCHL5	HGC_27con	HGC_27004	OK	8.77863	10.9101	0.313592	0.4609
XRN1	HGC_27con	HGC_27004	OK	2.25336	2.80049	0.313602	0.3512
EGLN1	HGC_27con	HGC_27004	OK	9.28623	11.5421	0.313747	0.2589
TIMELESS	HGC_27con	HGC_27004	OK	24.5509	30.5166	0.313817	0.2313
ABHD15	HGC_27con	HGC_27004	OK	7.58394	9.42678	0.313818	0.3305
SHROOM1	HGC_27con	HGC_27004	OK	0.70703	0.87886	0.313852	0.6114

SYNE1	HGC_27con	HGC_27004	NOTEST	0.07202	0.08954	0.313996	1
SBNO1	HGC_27con	HGC_27004	OK	4.66175	5.79556	0.314075	0.2504
RPS6KA3	HGC_27con	HGC_27004	OK	4.75485	5.91147	0.314116	0.2831
NET1	HGC_27con	HGC_27004	OK	12.2473	15.2287	0.314327	0.2534
TMEM39A	HGC_27con	HGC_27004	OK	6.03242	7.50106	0.314359	0.2937
SAMD8	HGC_27con	HGC_27004	OK	5.39822	6.71393	0.314674	0.2802
CCNK	HGC_27con	HGC_27004	OK	23.0165	28.6315	0.314935	0.4526
SNORD83A	HGC_27con	HGC_27004	OK	44.9659	55.9434	0.315136	0.8567
SNRPB	HGC_27con	HGC_27004	OK	180.997	225.255	0.315591	0.2209
FBXO33	HGC_27con	HGC_27004	OK	3.17683	3.95393	0.315699	0.3769
UGGT1	HGC_27con	HGC_27004	OK	15.7231	19.5713	0.315859	0.2226
VEZT	HGC_27con	HGC_27004	OK	9.82051	12.2247	0.315934	0.261
SPG20	HGC_27con	HGC_27004	OK	5.34187	6.6497	0.315945	0.2922
CSRNP2	HGC_27con	HGC_27004	OK	8.186	10.1902	0.315947	0.264
NIPA2	HGC_27con	HGC_27004	OK	30.5614	38.0444	0.315973	0.2402
IBA57	HGC_27con	HGC_27004	OK	2.86522	3.56698	0.316059	0.3052
FAM105A	HGC_27con	HGC_27004	NOTEST	0.08116	0.10106	0.316332	1
ZNF623	HGC_27con	HGC_27004	OK	3.60101	4.4839	0.316351	0.3466
INHBE	HGC_27con	HGC_27004	OK	26.9385	33.554	0.316815	0.2577
AURKB	HGC_27con	HGC_27004	OK	39.1491	48.7668	0.31692	0.2525
KIF21A	HGC_27con	HGC_27004	OK	9.79921	12.2067	0.316936	0.2395
HCCS	HGC_27con	HGC_27004	OK	6.41936	7.99668	0.316971	0.3572
CNTLN	HGC_27con	HGC_27004	OK	7.35789	9.16606	0.317009	0.3194
GPC6	HGC_27con	HGC_27004	OK	6.63652	8.26834	0.317172	0.265
SCFD2	HGC_27con	HGC_27004	OK	4.99732	6.22631	0.317222	0.3457
PARGP1	HGC_27con	HGC_27004	OK	1.11661	1.39135	0.317367	0.8031
DARS2	HGC_27con	HGC_27004	OK	24.3383	30.3273	0.317387	0.2456
MTAP	HGC_27con	HGC_27004	OK	9.52526	11.8694	0.317422	0.2607
IL1RAP	HGC_27con	HGC_27004	OK	3.07487	3.83167	0.31745	0.3949
LDLRAD4	HGC_27con	HGC_27004	NOTEST	0.08736	0.10888	0.317582	1
FMN1	HGC_27con	HGC_27004	OK	0.31944	0.39811	0.317619	0.5035
CHRN2	HGC_27con	HGC_27004	NOTEST	0.03488	0.04348	0.317745	1
ERCC8	HGC_27con	HGC_27004	OK	8.55189	10.6592	0.317791	0.4014
PRKDC	HGC_27con	HGC_27004	OK	44.2506	55.1554	0.317803	0.2106
PPP2R3C	HGC_27con	HGC_27004	OK	10.9496	13.6496	0.317984	0.5206
SUB1	HGC_27con	HGC_27004	OK	41.6984	51.9817	0.318013	0.2371
TMEM182	HGC_27con	HGC_27004	OK	3.17797	3.96172	0.318024	0.4164
CTDSPL2	HGC_27con	HGC_27004	OK	10.3456	12.8983	0.318172	0.2622
IRF6	HGC_27con	HGC_27004	NOTEST	0.069	0.08602	0.318227	1
CAD	HGC_27con	HGC_27004	OK	37.2517	46.4457	0.318238	0.214
BDP1	HGC_27con	HGC_27004	OK	3.89056	4.85092	0.31828	0.2452
SMARCC1	HGC_27con	HGC_27004	OK	18.6258	23.2273	0.318521	0.2328
COX20	HGC_27con	HGC_27004	OK	3.97317	4.9549	0.318566	0.7154
FAM129A	HGC_27con	HGC_27004	OK	0.27632	0.34464	0.318759	0.5898
KDELC2	HGC_27con	HGC_27004	OK	26.8277	33.4629	0.318839	0.2327
EXOC2	HGC_27con	HGC_27004	OK	10.2384	12.7736	0.319176	0.2538
RAP1GDS1	HGC_27con	HGC_27004	OK	11.7167	14.6183	0.319209	0.2658
POLD3	HGC_27con	HGC_27004	OK	6.69848	8.35774	0.31928	0.2834
MAP3K1	HGC_27con	HGC_27004	OK	1.8623	2.32376	0.31938	0.3724
CDKAL1	HGC_27con	HGC_27004	OK	5.28922	6.6003	0.319476	0.3441
LY6G6C	HGC_27con	HGC_27004	NOTEST	0.24296	0.3032	0.319582	1
YRDC	HGC_27con	HGC_27004	OK	19.9019	24.8384	0.319668	0.4917
SVIL	HGC_27con	HGC_27004	OK	7.48832	9.34681	0.319831	0.3175
C9orf91	HGC_27con	HGC_27004	OK	11.3346	14.1513	0.320201	0.2632

CD320	HGC_27con	HGC_27004	OK	68.2858	85.2712	0.320473	0.2422
SOAT1	HGC_27con	HGC_27004	OK	6.94413	8.67142	0.320475	0.2673
TFPI	HGC_27con	HGC_27004	OK	4.83206	6.03408	0.320495	0.4202
SLC16A1	HGC_27con	HGC_27004	OK	48.3297	60.3533	0.320525	0.2183
ANKRD37	HGC_27con	HGC_27004	OK	1.68714	2.1069	0.320545	0.8451
FOXD1	HGC_27con	HGC_27004	OK	29.3622	36.6699	0.320636	0.274
UBXN7	HGC_27con	HGC_27004	OK	5.46639	6.82784	0.320842	0.294
PDIK1L	HGC_27con	HGC_27004	OK	3.97659	4.96735	0.320946	0.338
LOC100507424	HGC_27con	HGC_27004	OK	1.82067	2.27436	0.320994	0.516
XPNPEP3	HGC_27con	HGC_27004	OK	4.46405	5.57687	0.321102	0.3914
ENHO	HGC_27con	HGC_27004	OK	2.3955	2.99283	0.321185	0.6071
KIAA0226	HGC_27con	HGC_27004	OK	2.94785	3.68304	0.321232	0.5827
ZDHHC18	HGC_27con	HGC_27004	OK	5.05769	6.31959	0.321354	0.3706
SEC24D	HGC_27con	HGC_27004	OK	24.4391	30.537	0.321365	0.2337
NKX1-2	HGC_27con	HGC_27004	OK	0.60292	0.75336	0.321377	0.7378
GPX2	HGC_27con	HGC_27004	NOTEST	0.11356	0.14193	0.321692	1
ATG3	HGC_27con	HGC_27004	OK	22.841	28.5529	0.322016	0.2638
MDFIC	HGC_27con	HGC_27004	OK	13.2131	16.5176	0.322033	0.2594
RNF139	HGC_27con	HGC_27004	OK	125.83	157.307	0.322102	0.3619
LYG1	HGC_27con	HGC_27004	OK	0.27859	0.3483	0.322177	0.7425
CDK2	HGC_27con	HGC_27004	OK	31.7867	39.7416	0.322225	0.2535
GAS5-AS1	HGC_27con	HGC_27004	OK	1.05783	1.32263	0.3223	0.8854
TRAPPC2B	HGC_27con	HGC_27004	OK	4.23746	5.29824	0.322313	0.5925
MED10	HGC_27con	HGC_27004	OK	23.8957	29.8854	0.322687	0.3175
TMEM168	HGC_27con	HGC_27004	OK	6.62693	8.28806	0.322695	0.2589
COX11	HGC_27con	HGC_27004	OK	50.7527	63.4752	0.322708	0.3374
DDX12P	HGC_27con	HGC_27004	OK	1.8516	2.31604	0.322888	0.4212
AKAP11	HGC_27con	HGC_27004	OK	8.33686	10.4348	0.323823	0.2335
SPATA5	HGC_27con	HGC_27004	OK	1.04528	1.30853	0.324056	0.4051
RAB11FIP2	HGC_27con	HGC_27004	OK	3.44396	4.31194	0.324267	0.317
PLEKHF2	HGC_27con	HGC_27004	OK	5.55879	6.96058	0.324436	0.3444
SNORA4	HGC_27con	HGC_27004	OK	97.5027	122.099	0.32454	0.886
RPE	HGC_27con	HGC_27004	OK	14.4681	18.1185	0.324585	0.3165
CSPG4	HGC_27con	HGC_27004	OK	0.47633	0.59653	0.324623	0.5474
MAFG	HGC_27con	HGC_27004	OK	13.3311	16.6977	0.324855	0.2379
HCFC2	HGC_27con	HGC_27004	OK	1.89201	2.36985	0.32487	0.3938
MSL3	HGC_27con	HGC_27004	OK	3.77988	4.73471	0.324935	0.3678
GFRA2	HGC_27con	HGC_27004	NOTEST	0.04043	0.05065	0.325019	1
ST3GAL1	HGC_27con	HGC_27004	OK	1.86573	2.33723	0.325063	0.3436
LIN54	HGC_27con	HGC_27004	OK	4.4247	5.54343	0.325201	0.2856
BACH1	HGC_27con	HGC_27004	OK	7.79524	9.76812	0.325487	0.25
KCNJ3	HGC_27con	HGC_27004	OK	4.19485	5.25675	0.325551	0.3962
HECA	HGC_27con	HGC_27004	OK	4.20968	5.27536	0.325561	0.307
DDIT4L	HGC_27con	HGC_27004	OK	9.01287	11.2956	0.325696	0.3025
RAB10	HGC_27con	HGC_27004	OK	32.3718	40.5719	0.325746	0.2268
ENOPH1	HGC_27con	HGC_27004	OK	23.7734	29.7976	0.325851	0.2461
PRKACB	HGC_27con	HGC_27004	OK	15.2902	19.1667	0.325994	0.2407
TRA2B	HGC_27con	HGC_27004	OK	38.3332	48.0538	0.326055	0.2169
LOC283710	HGC_27con	HGC_27004	NOTEST	0.13318	0.16696	0.326153	1
UGDH	HGC_27con	HGC_27004	OK	16.0073	20.068	0.326171	0.7937
SLC30A6	HGC_27con	HGC_27004	OK	11.5805	14.52	0.326347	0.2522
PDCL	HGC_27con	HGC_27004	OK	7.3684	9.23919	0.326416	0.3077
IGF1R	HGC_27con	HGC_27004	OK	4.29828	5.39005	0.326538	0.2451
POLR3E	HGC_27con	HGC_27004	OK	12.5975	15.7993	0.326724	0.249

PI4K2B	HGC_27con	HGC_27004	OK	10.0728	12.633	0.32673	0.2702
ZNF35	HGC_27con	HGC_27004	OK	1.32698	1.66445	0.326893	0.4979
HERC1	HGC_27con	HGC_27004	OK	3.45479	4.33351	0.326941	0.2382
SPTLC2	HGC_27con	HGC_27004	OK	8.49893	10.6615	0.327052	0.2396
PHLDB2	HGC_27con	HGC_27004	NOTEST	0.17997	0.22578	0.327107	1
SPIDR	HGC_27con	HGC_27004	OK	6.13286	7.69419	0.327211	0.3073
SLCO5A1	HGC_27con	HGC_27004	OK	2.73615	3.43274	0.327215	0.4043
SNORA8	HGC_27con	HGC_27004	OK	112.409	141.028	0.327215	0.6627
EPT1	HGC_27con	HGC_27004	OK	9.87916	12.395	0.327296	0.2255
PEAR1	HGC_27con	HGC_27004	NOTEST	0.02578	0.03235	0.327346	1
C8orf58	HGC_27con	HGC_27004	OK	3.17796	3.9875	0.32738	0.4556
GP1BA	HGC_27con	HGC_27004	OK	1.3867	1.73998	0.327414	0.5435
LOC646903	HGC_27con	HGC_27004	OK	0.37363	0.46883	0.327432	0.6814
COPZ2	HGC_27con	HGC_27004	OK	0.25945	0.32559	0.327633	0.7507
RPS6KC1	HGC_27con	HGC_27004	OK	5.05918	6.34986	0.327821	0.2919
FSD2	HGC_27con	HGC_27004	OK	0.46765	0.58697	0.327847	0.5931
LOC101928034	HGC_27con	HGC_27004	OK	0.96279	1.20857	0.328012	0.5501
VPS26A	HGC_27con	HGC_27004	OK	19.3828	24.3315	0.328048	0.2409
BARD1	HGC_27con	HGC_27004	OK	4.00936	5.03355	0.328204	0.3089
KLHL8	HGC_27con	HGC_27004	OK	7.60777	9.55142	0.328241	0.2453
ITSN2	HGC_27con	HGC_27004	OK	2.38491	2.99447	0.328361	0.2953
PRTG	HGC_27con	HGC_27004	NOTEST	0.12837	0.16119	0.328436	1
MIIP	HGC_27con	HGC_27004	OK	16.5688	20.8056	0.328501	0.2883
LOC100289230	HGC_27con	HGC_27004	OK	0.78924	0.99113	0.328602	0.6369
LOC100190986	HGC_27con	HGC_27004	OK	4.87187	6.11825	0.328643	0.3691
MYCBP2	HGC_27con	HGC_27004	OK	4.67845	5.87709	0.329073	0.2251
PURA	HGC_27con	HGC_27004	OK	6.46542	8.12231	0.329147	0.2675
HOXC13	HGC_27con	HGC_27004	OK	6.49988	8.1682	0.329605	0.3703
JAK2	HGC_27con	HGC_27004	OK	3.92625	4.93456	0.329772	0.2917
ASAP2	HGC_27con	HGC_27004	OK	3.89162	4.89152	0.329911	0.2824
NEK7	HGC_27con	HGC_27004	OK	23.2154	29.1804	0.329916	0.2295
MARC1	HGC_27con	HGC_27004	OK	1.676	2.10677	0.330008	0.5286
CDC42SE1	HGC_27con	HGC_27004	OK	15.4774	19.4555	0.330013	0.2616
F2R	HGC_27con	HGC_27004	OK	8.0669	10.1404	0.330022	0.2901
IRX3	HGC_27con	HGC_27004	OK	39.33	49.4392	0.330024	0.2342
DYNLT3	HGC_27con	HGC_27004	OK	4.60505	5.78871	0.330026	0.3878
DNAJC13	HGC_27con	HGC_27004	OK	7.59017	9.54209	0.330172	0.231
PSMD12	HGC_27con	HGC_27004	OK	19.6078	24.6503	0.330177	0.2535
OTUD4	HGC_27con	HGC_27004	OK	5.85547	7.36148	0.330212	0.2524
PMM1	HGC_27con	HGC_27004	OK	19.3372	24.3123	0.330305	0.2893
DNAJC3	HGC_27con	HGC_27004	OK	16.589	20.8592	0.330457	0.2202
PPP2R5E	HGC_27con	HGC_27004	OK	14.7725	18.5755	0.330484	0.2263
ITPR3	HGC_27con	HGC_27004	OK	10.6399	13.3795	0.330541	0.2239
RASGEF1C	HGC_27con	HGC_27004	OK	1.25558	1.5791	0.330752	0.5696
PTK6	HGC_27con	HGC_27004	OK	1.9394	2.43917	0.330783	0.5128
INSIG2	HGC_27con	HGC_27004	OK	4.0525	5.09687	0.3308	0.3827
SP110	HGC_27con	HGC_27004	OK	1.42188	1.7884	0.330876	0.5053
LOC100132077	HGC_27con	HGC_27004	OK	2.83885	3.57088	0.330974	0.4203
LYSMD2	HGC_27con	HGC_27004	OK	4.58541	5.76798	0.331016	0.4684
WDHD1	HGC_27con	HGC_27004	OK	7.92591	9.9703	0.33106	0.2256
GMFB	HGC_27con	HGC_27004	OK	32.6388	41.0593	0.33112	0.2139
PAPD7	HGC_27con	HGC_27004	OK	12.9451	16.2857	0.331204	0.2496
DDX50	HGC_27con	HGC_27004	OK	27.0687	34.0569	0.331324	0.2201
PITPNB	HGC_27con	HGC_27004	OK	26.166	32.9239	0.331444	0.21

LOC101929231	HGC_27con	HGC_27004	NOTEST	0.12721	0.16008	0.331556	1
KIAA1841	HGC_27con	HGC_27004	OK	3.62068	4.5563	0.3316	0.3166
LOC101927881	HGC_27con	HGC_27004	OK	0.46107	0.58024	0.331667	0.6927
GPT2	HGC_27con	HGC_27004	OK	37.4325	47.11	0.331741	0.199
TMEM41A	HGC_27con	HGC_27004	OK	5.90586	7.43289	0.331777	0.3447
CCNY	HGC_27con	HGC_27004	OK	14.1633	17.8266	0.331874	0.2293
ELMOD1	HGC_27con	HGC_27004	NOTEST	0.04733	0.05957	0.331903	1
MARS2	HGC_27con	HGC_27004	OK	10.0547	12.6556	0.331906	0.2981
NFASC	HGC_27con	HGC_27004	NOTEST	0.04356	0.05483	0.331928	1
ARHGAP11A	HGC_27con	HGC_27004	OK	13.1047	16.4965	0.332082	0.2306
HIST1H1B	HGC_27con	HGC_27004	NOTEST	0.1874	0.2359	0.332087	1
POC1A	HGC_27con	HGC_27004	OK	8.78212	11.0553	0.332094	0.3201
SRSF1	HGC_27con	HGC_27004	OK	61.1861	77.0378	0.332364	0.1924
CDC6	HGC_27con	HGC_27004	OK	16.3989	20.6485	0.332433	0.2341
RND3	HGC_27con	HGC_27004	OK	8.27306	10.4171	0.332456	0.2761
C10orf62	HGC_27con	HGC_27004	NOTEST	0.24099	0.30345	0.332459	1
FERMT2	HGC_27con	HGC_27004	OK	27.6812	34.8593	0.332636	0.2068
IRX5	HGC_27con	HGC_27004	OK	2.42043	3.0482	0.332695	0.512
CDK17	HGC_27con	HGC_27004	OK	3.73079	4.69888	0.332835	0.3262
USP14	HGC_27con	HGC_27004	OK	36.2506	45.6668	0.333139	0.196
SSR1	HGC_27con	HGC_27004	OK	36.8865	46.475	0.333363	0.1879
RAN	HGC_27con	HGC_27004	OK	133.025	167.604	0.333365	0.1903
EPS8	HGC_27con	HGC_27004	OK	5.19039	6.54096	0.333661	0.2891
NEO1	HGC_27con	HGC_27004	OK	5.88181	7.4123	0.333662	0.2422
C1orf226	HGC_27con	HGC_27004	OK	3.72627	4.69627	0.333786	0.3192
PPP3CA	HGC_27con	HGC_27004	OK	12.936	16.3035	0.333787	0.2385
COA3	HGC_27con	HGC_27004	OK	30.6303	38.6048	0.333821	0.3065
SPCS3	HGC_27con	HGC_27004	OK	31.5666	39.7876	0.33392	0.2142
FREM1	HGC_27con	HGC_27004	OK	0.28041	0.35347	0.334059	0.5283
SEH1L	HGC_27con	HGC_27004	OK	25.4451	32.0751	0.334071	0.2186
SKA3	HGC_27con	HGC_27004	OK	7.70935	9.71953	0.334277	0.4192
SNORA22	HGC_27con	HGC_27004	OK	23.163	29.2055	0.334416	0.6977
CHCHD10	HGC_27con	HGC_27004	OK	104.523	131.794	0.334458	0.2871
SEL1L	HGC_27con	HGC_27004	OK	64.6334	81.4979	0.334484	0.1879
CLDN12	HGC_27con	HGC_27004	OK	10.0445	12.6655	0.334495	0.2688
ARF6	HGC_27con	HGC_27004	OK	22.4716	28.3355	0.334506	0.2229
PFN4	HGC_27con	HGC_27004	OK	0.32888	0.41472	0.334549	0.5361
SPARCL1	HGC_27con	HGC_27004	NOTEST	0.10813	0.13637	0.334784	1
NFIL3	HGC_27con	HGC_27004	OK	16.438	20.7339	0.33496	0.2444
PRDM12	HGC_27con	HGC_27004	NOTEST	0.15251	0.19237	0.334983	1
HDAC2	HGC_27con	HGC_27004	OK	13.1667	16.61	0.335155	0.2111
PATL1	HGC_27con	HGC_27004	OK	15.6667	19.764	0.335175	0.2247
ZNF280B	HGC_27con	HGC_27004	OK	1.43471	1.80996	0.3352	0.4254
CDH24	HGC_27con	HGC_27004	OK	8.25629	10.4158	0.335209	0.2866
CARD10	HGC_27con	HGC_27004	OK	1.33483	1.68401	0.335247	0.471
GTSE1	HGC_27con	HGC_27004	OK	12.7169	16.0441	0.335289	0.2536
LYPLA1	HGC_27con	HGC_27004	OK	46.3033	58.4219	0.335394	0.2186
BORA	HGC_27con	HGC_27004	OK	5.22512	6.59303	0.335478	0.6516
CTSV	HGC_27con	HGC_27004	OK	0.85703	1.08146	0.335559	0.5011
DPRXP4	HGC_27con	HGC_27004	NOTEST	0.22475	0.28365	0.335794	1
ZSCAN16	HGC_27con	HGC_27004	OK	2.29509	2.89691	0.335969	0.5563
FANCD2	HGC_27con	HGC_27004	OK	8.5765	10.8256	0.335984	0.2337
MEAF6	HGC_27con	HGC_27004	OK	11.2299	14.1765	0.33616	0.2313
DDAH1	HGC_27con	HGC_27004	OK	11.0412	13.9389	0.336219	0.2458

TRIB3	HGC_27con	HGC_27004	OK	253.709	320.325	0.336365	0.188
PSRC1	HGC_27con	HGC_27004	OK	15.1552	19.1355	0.336443	0.2569
GIT1	HGC_27con	HGC_27004	OK	21.7748	27.4958	0.336555	0.2133
ZBTB18	HGC_27con	HGC_27004	OK	2.6153	3.30303	0.336813	0.3713
NAF1	HGC_27con	HGC_27004	OK	7.32405	9.25192	0.337112	0.3328
AGFG1	HGC_27con	HGC_27004	OK	7.81274	9.87048	0.337292	0.2318
ZNF704	HGC_27con	HGC_27004	OK	1.73519	2.19279	0.337671	0.2679
CASC11	HGC_27con	HGC_27004	OK	0.38657	0.48856	0.337836	0.714
ARHGEF33	HGC_27con	HGC_27004	NOTEST	0.05446	0.06883	0.337909	1
POGK	HGC_27con	HGC_27004	OK	15.7392	19.8933	0.337923	0.2227
SFMBT1	HGC_27con	HGC_27004	OK	2.42828	3.06928	0.337966	0.3429
LOC100129617	HGC_27con	HGC_27004	NOTEST	0.05703	0.07208	0.338019	1
FAF1	HGC_27con	HGC_27004	OK	30.0751	38.0167	0.338063	0.2078
PRG4	HGC_27con	HGC_27004	NOTEST	0.05604	0.07084	0.338259	1
RDH12	HGC_27con	HGC_27004	NOTEST	0.05988	0.07571	0.338381	1
TDP1	HGC_27con	HGC_27004	OK	9.12618	11.5395	0.338501	0.2434
OVGP1	HGC_27con	HGC_27004	OK	0.71787	0.90771	0.338511	0.615
PABPC4L	HGC_27con	HGC_27004	OK	2.07897	2.62878	0.338526	0.3957
CATSPERG	HGC_27con	HGC_27004	NOTEST	0.19134	0.24197	0.338714	1
SLC1A4	HGC_27con	HGC_27004	OK	21	26.5581	0.338764	0.2054
XKR8	HGC_27con	HGC_27004	NOTEST	0.14843	0.18774	0.339003	1
CHCHD4	HGC_27con	HGC_27004	OK	11.2735	14.2607	0.339115	0.2951
RABEPK	HGC_27con	HGC_27004	OK	17.1514	21.6982	0.339252	0.264
PIGK	HGC_27con	HGC_27004	OK	9.08953	11.4995	0.33929	0.244
COIL	HGC_27con	HGC_27004	OK	8.81495	11.1526	0.339354	0.2692
PCNX	HGC_27con	HGC_27004	OK	6.04977	7.6543	0.339391	0.2033
CCNA2	HGC_27con	HGC_27004	OK	16.6047	21.0091	0.339426	0.3034
CLPB	HGC_27con	HGC_27004	OK	9.68624	12.2559	0.339465	0.2483
PRDX3	HGC_27con	HGC_27004	OK	69.33	87.7426	0.339799	0.2009
LRR1	HGC_27con	HGC_27004	OK	20.7078	26.2074	0.3398	0.2748
NBPF1	HGC_27con	HGC_27004	OK	5.77492	7.30987	0.340045	0.2304
NUP107	HGC_27con	HGC_27004	OK	14.718	18.6303	0.340076	0.2276
PTGES3	HGC_27con	HGC_27004	OK	204.008	258.258	0.34019	0.1849
SRI	HGC_27con	HGC_27004	OK	31.047	39.3034	0.3402	0.2647
HMGB3	HGC_27con	HGC_27004	OK	22.8186	28.8918	0.340447	0.193
MESDC2	HGC_27con	HGC_27004	OK	11.6478	14.7514	0.340795	0.2318
KCNJ14	HGC_27con	HGC_27004	OK	1.40708	1.78214	0.340904	0.5123
EEF1E1	HGC_27con	HGC_27004	OK	46.2903	58.6336	0.341017	0.6734
EGFEM1P	HGC_27con	HGC_27004	OK	0.68646	0.8696	0.341181	0.546
ALX3	HGC_27con	HGC_27004	OK	3.33639	4.2266	0.341206	0.5094
CORO2A	HGC_27con	HGC_27004	OK	7.21873	9.14663	0.341496	0.2304
CORO7	HGC_27con	HGC_27004	OK	6.58593	8.34604	0.341706	0.5315
YEATS4	HGC_27con	HGC_27004	OK	12.8802	16.3226	0.341715	0.2884
VPS13A	HGC_27con	HGC_27004	OK	5.72627	7.25836	0.342048	0.2067
ARSJ	HGC_27con	HGC_27004	OK	0.42412	0.53771	0.342341	0.5616
HID1	HGC_27con	HGC_27004	OK	0.43223	0.548	0.34237	0.5967
RPA2	HGC_27con	HGC_27004	OK	23.3185	29.5678	0.34255	0.2411
MINA	HGC_27con	HGC_27004	OK	7.34884	9.319	0.342659	0.3113
DNAH14	HGC_27con	HGC_27004	OK	4.05691	5.14475	0.342719	0.4781
SNORA64	HGC_27con	HGC_27004	OK	43.3228	54.9453	0.342869	0.8853
NRIP2	HGC_27con	HGC_27004	OK	0.63077	0.80001	0.342921	0.7188
POLQ	HGC_27con	HGC_27004	OK	0.86805	1.10101	0.342979	0.3712
TC2N	HGC_27con	HGC_27004	NOTEST	0.03467	0.04397	0.343023	1
SOGA3	HGC_27con	HGC_27004	NOTEST	0.01018	0.01292	0.343045	1

LAIR1	HGC_27con	HGC_27004	NOTEST	0.24162	0.30648	0.343076	1
CDCA5	HGC_27con	HGC_27004	OK	19.3632	24.5616	0.343086	0.2318
MOB3C	HGC_27con	HGC_27004	OK	2.14759	2.72466	0.343355	0.4031
PPP1CC	HGC_27con	HGC_27004	OK	81.5606	103.509	0.34381	0.1922
NOC3L	HGC_27con	HGC_27004	OK	9.50568	12.0692	0.344464	0.2346
EEF1E1-BLOC1S5	HGC_27con	HGC_27004	OK	1.26817	1.61031	0.344583	0.5451
C7orf61	HGC_27con	HGC_27004	NOTEST	0.12174	0.1546	0.344797	1
PKN2	HGC_27con	HGC_27004	OK	10.1328	12.8725	0.345261	0.2179
SPRYD7	HGC_27con	HGC_27004	OK	4.10914	5.22018	0.345264	0.3487
ZRANB2-AS1	HGC_27con	HGC_27004	OK	0.6738	0.85614	0.345528	0.5809
IPO11	HGC_27con	HGC_27004	OK	8.17474	10.3876	0.345621	0.2237
HN1	HGC_27con	HGC_27004	OK	67.9153	86.3027	0.345669	0.1864
NR6A1	HGC_27con	HGC_27004	OK	1.32261	1.68076	0.345728	0.3884
ARL1	HGC_27con	HGC_27004	OK	12.0921	15.3682	0.345887	0.2374
CRCP	HGC_27con	HGC_27004	OK	12.6599	16.0913	0.346016	0.2242
MRPL35	HGC_27con	HGC_27004	OK	22.5401	28.65	0.346042	0.2136
RILPL1	HGC_27con	HGC_27004	OK	3.79262	4.8219	0.346407	0.3813
FAM206A	HGC_27con	HGC_27004	OK	10.2618	13.0469	0.346426	0.2848
GLRX2	HGC_27con	HGC_27004	OK	15.6852	19.944	0.346548	0.3751
DGKH	HGC_27con	HGC_27004	OK	2.84527	3.6179	0.346584	0.2176
ITGB1BP1	HGC_27con	HGC_27004	OK	9.66833	12.2951	0.346742	0.2643
LINC00693	HGC_27con	HGC_27004	OK	1.0573	1.34461	0.34681	0.5705
CDC42P3	HGC_27con	HGC_27004	NOTEST	0.07714	0.09811	0.347012	1
GPRC5B	HGC_27con	HGC_27004	OK	11.6488	14.8189	0.347257	0.2535
ZNF283	HGC_27con	HGC_27004	OK	0.90145	1.14688	0.347402	0.5406
AP4S1	HGC_27con	HGC_27004	OK	1.76222	2.24235	0.347613	0.6567
RABGGTB	HGC_27con	HGC_27004	OK	111.812	142.288	0.347739	0.1735
PPP1R36	HGC_27con	HGC_27004	NOTEST	0.07997	0.10179	0.348046	1
PPP1R18	HGC_27con	HGC_27004	OK	7.45845	9.49499	0.348291	0.2368
LRRCC1	HGC_27con	HGC_27004	OK	3.00923	3.83104	0.348341	0.3055
WDR44	HGC_27con	HGC_27004	OK	4.14255	5.27457	0.348536	0.2912
PHF10	HGC_27con	HGC_27004	OK	19.2946	24.5675	0.348558	0.3143
ZNHIT6	HGC_27con	HGC_27004	OK	5.12761	6.52971	0.348732	0.2329
FAM101B	HGC_27con	HGC_27004	OK	25.4558	32.4229	0.349019	0.2002
CHD1	HGC_27con	HGC_27004	OK	7.24661	9.23027	0.349067	0.2086
PLXNA1	HGC_27con	HGC_27004	OK	7.78204	9.91236	0.34908	0.2064
TIMM21	HGC_27con	HGC_27004	OK	11.8078	15.0404	0.349101	0.2942
CGNL1	HGC_27con	HGC_27004	NOTEST	0.09892	0.12603	0.349444	1
DPY19L4	HGC_27con	HGC_27004	OK	8.97563	11.4363	0.349531	0.224
CENPJ	HGC_27con	HGC_27004	OK	2.56087	3.26395	0.349987	0.2778
PPP4R3A	HGC_27con	HGC_27004	OK	23.5538	30.0222	0.350071	0.1796
DONSON	HGC_27con	HGC_27004	OK	13.9383	17.7686	0.350269	0.2425
STRBP	HGC_27con	HGC_27004	OK	4.2499	5.41822	0.350388	0.2472
CXorf36	HGC_27con	HGC_27004	NOTEST	0.0419	0.05342	0.350473	1
MTRNR2L6	HGC_27con	HGC_27004	OK	1.11433	1.42094	0.350674	0.5839
CDCA4	HGC_27con	HGC_27004	OK	31.5323	40.2106	0.350747	0.199
CCDC39	HGC_27con	HGC_27004	OK	0.25461	0.32469	0.350755	0.7994
BCL10	HGC_27con	HGC_27004	OK	6.14391	7.83549	0.350865	0.2992
RNF216P1	HGC_27con	HGC_27004	OK	10.0807	12.8571	0.350978	0.2649
ATP12A	HGC_27con	HGC_27004	NOTEST	0.02599	0.03316	0.351201	1
SFXN4	HGC_27con	HGC_27004	OK	21.1796	27.018	0.351246	0.2592
EIF1AX	HGC_27con	HGC_27004	OK	19.3562	24.6938	0.35135	0.1846
NUP50	HGC_27con	HGC_27004	OK	14.9863	19.1204	0.351471	0.184
VCPKMT	HGC_27con	HGC_27004	OK	6.62069	8.44721	0.351493	0.3427

MTF2	HGC_27con	HGC_27004	OK	8.09325	10.3263	0.351536	0.2294
RNASEH2A	HGC_27con	HGC_27004	OK	68.7601	87.7328	0.351544	0.1995
RFK	HGC_27con	HGC_27004	OK	16.0089	20.4265	0.351561	0.2267
TAF4B	HGC_27con	HGC_27004	OK	3.01099	3.84194	0.351597	0.3016
LVCAT1	HGC_27con	HGC_27004	OK	1.14105	1.45613	0.351783	0.5379
DLEC1	HGC_27con	HGC_27004	NOTEST	0.01717	0.02191	0.351805	1
DOCK7	HGC_27con	HGC_27004	OK	7.57011	9.66102	0.351861	0.2039
TRNT1	HGC_27con	HGC_27004	OK	11.821	15.0868	0.351938	0.2447
GMPS	HGC_27con	HGC_27004	OK	30.3528	38.7401	0.351996	0.1981
LOC100505921	HGC_27con	HGC_27004	NOTEST	0.10015	0.12783	0.35202	1
ZMYM1	HGC_27con	HGC_27004	OK	6.49684	8.29232	0.352038	0.2393
NAMPT	HGC_27con	HGC_27004	OK	20.7125	26.4376	0.35209	0.1925
TDG	HGC_27con	HGC_27004	OK	10.5723	13.495	0.352139	0.2287
FNBP1	HGC_27con	HGC_27004	OK	4.99122	6.37155	0.352253	0.2452
SMS	HGC_27con	HGC_27004	OK	25.2281	32.2058	0.352288	0.2089
TRIM36	HGC_27con	HGC_27004	OK	6.6621	8.50486	0.352311	0.5553
SCCPDH	HGC_27con	HGC_27004	OK	33.5744	42.8622	0.352348	0.1975
PNN	HGC_27con	HGC_27004	OK	22.2451	28.4018	0.352496	0.1858
CENPN	HGC_27con	HGC_27004	OK	27.8822	35.6029	0.352651	0.3439
CCDC34	HGC_27con	HGC_27004	OK	10.5726	13.5022	0.352856	0.2483
FANCM	HGC_27con	HGC_27004	OK	2.42223	3.09378	0.353034	0.3038
NKX3-1	HGC_27con	HGC_27004	OK	0.43348	0.55369	0.353113	0.5937
C2orf27A	HGC_27con	HGC_27004	OK	1.65259	2.11113	0.353287	0.5652
ACAT2	HGC_27con	HGC_27004	OK	17.6172	22.5072	0.353408	0.6225
CEP57L1	HGC_27con	HGC_27004	OK	3.65853	4.67522	0.353771	0.3383
EXOC6B	HGC_27con	HGC_27004	OK	1.10935	1.41778	0.353916	0.4988
SPRED1	HGC_27con	HGC_27004	OK	4.50892	5.76272	0.353967	0.247
100499484-C9ORF	HGC_27con	HGC_27004	OK	1.20528	1.54047	0.354004	0.4
YAF2	HGC_27con	HGC_27004	OK	4.08115	5.21692	0.354223	0.2924
TFR2	HGC_27con	HGC_27004	OK	1.69869	2.17162	0.354345	0.4982
ESPL1	HGC_27con	HGC_27004	OK	9.82624	12.5622	0.354373	0.2033
LOC646029	HGC_27con	HGC_27004	NOTEST	0.07509	0.096	0.354379	1
CETN3	HGC_27con	HGC_27004	OK	20.8301	26.6328	0.354531	0.2436
ELOVL5	HGC_27con	HGC_27004	OK	0.65185	0.83347	0.35459	0.5849
ACRBP	HGC_27con	HGC_27004	NOTEST	0.10294	0.13162	0.354606	1
SLC14A2	HGC_27con	HGC_27004	NOTEST	0.09563	0.12228	0.354682	1
NR5A2	HGC_27con	HGC_27004	OK	0.49791	0.63672	0.354763	0.5217
RPP14	HGC_27con	HGC_27004	OK	4.2593	5.44753	0.354984	0.3062
TRPC1	HGC_27con	HGC_27004	OK	3.25115	4.15821	0.355014	0.3187
TAB3	HGC_27con	HGC_27004	OK	1.53826	1.96798	0.355417	0.344
HES7	HGC_27con	HGC_27004	OK	13.3317	17.0563	0.355442	0.2737
RAB8B	HGC_27con	HGC_27004	OK	4.4685	5.71699	0.355465	0.2834
MOB1B	HGC_27con	HGC_27004	OK	5.64489	7.22208	0.355468	0.2342
PDE12	HGC_27con	HGC_27004	OK	5.5043	7.04251	0.355531	0.2819
EIF2S1	HGC_27con	HGC_27004	OK	23.8375	30.5015	0.35565	0.1916
EYA3	HGC_27con	HGC_27004	OK	4.20867	5.38543	0.355699	0.2786
LARP4	HGC_27con	HGC_27004	OK	14.1427	18.0976	0.355738	0.2389
C17orf51	HGC_27con	HGC_27004	OK	2.91111	3.72551	0.35587	0.2617
HNF1A	HGC_27con	HGC_27004	OK	0.38061	0.48712	0.355963	0.7435
PFN2	HGC_27con	HGC_27004	OK	45.6572	58.4614	0.356642	0.1885
AADAT	HGC_27con	HGC_27004	OK	8.91113	11.4103	0.356652	0.2685
TSSC2	HGC_27con	HGC_27004	NOTEST	0.08321	0.10655	0.356673	1
LHFPL2	HGC_27con	HGC_27004	OK	2.31129	2.95986	0.356832	0.3343
MAP1B	HGC_27con	HGC_27004	OK	25.9377	33.2183	0.356931	0.1592

GEMIN5	HGC_27con	HGC_27004	OK	7.93188	10.1607	0.357266	0.1966
LOC101927285	HGC_27con	HGC_27004	OK	0.95182	1.21931	0.357307	0.5729
LINC00341	HGC_27con	HGC_27004	OK	5.22972	6.69978	0.35738	0.2992
TMEM261	HGC_27con	HGC_27004	OK	16.7541	21.465	0.357474	0.2196
EXOSC9	HGC_27con	HGC_27004	OK	11.7764	15.0906	0.357753	0.4448
EGLN3	HGC_27con	HGC_27004	OK	4.60403	5.89975	0.357754	0.3319
DTL	HGC_27con	HGC_27004	OK	8.75918	11.2248	0.357823	0.3616
CCDC24	HGC_27con	HGC_27004	OK	2.24955	2.88306	0.357966	0.8281
TMX1	HGC_27con	HGC_27004	OK	25.6044	32.8175	0.358077	0.1814
SCAMP1	HGC_27con	HGC_27004	OK	7.76703	9.95809	0.358506	0.2467
ZNF562	HGC_27con	HGC_27004	OK	6.20575	7.9564	0.35851	0.2138
ASCC3	HGC_27con	HGC_27004	OK	6.1152	7.84159	0.358746	0.2044
MRPL42	HGC_27con	HGC_27004	OK	14.6408	18.7749	0.35881	0.2115
USP1	HGC_27con	HGC_27004	OK	29.5998	37.9633	0.35902	0.1633
LRRCS9	HGC_27con	HGC_27004	OK	78.5603	100.773	0.359243	0.1709
TNFAIP8L2-SCNM1	HGC_27con	HGC_27004	NOTEST	0.001	0.00128	0.359316	1
USP42	HGC_27con	HGC_27004	OK	8.05981	10.3406	0.359495	0.2196
ANO5	HGC_27con	HGC_27004	OK	2.10583	2.70231	0.359806	0.2886
AEBP2	HGC_27con	HGC_27004	OK	6.80477	8.7323	0.359817	0.2086
CCDC15	HGC_27con	HGC_27004	OK	1.0979	1.40903	0.359956	0.417
HS3ST3B1	HGC_27con	HGC_27004	OK	1.64187	2.10736	0.360097	0.4181
URGCP-MRPS24	HGC_27con	HGC_27004	OK	0.60524	0.7769	0.360222	0.8413
HECTD2	HGC_27con	HGC_27004	OK	6.48069	8.31921	0.360299	0.2561
DTD2	HGC_27con	HGC_27004	OK	5.77668	7.41584	0.36037	0.294
MAP2K6	HGC_27con	HGC_27004	OK	6.09726	7.82863	0.360599	0.3254
CFDP1	HGC_27con	HGC_27004	OK	25.7132	33.025	0.361052	0.2004
LOC401242	HGC_27con	HGC_27004	OK	0.31732	0.40758	0.361173	0.6311
NDUFS1	HGC_27con	HGC_27004	OK	39.7109	51.0153	0.361396	0.1625
SAMD10	HGC_27con	HGC_27004	OK	1.89674	2.43729	0.361758	0.5082
LOC102724050	HGC_27con	HGC_27004	OK	0.31816	0.40884	0.361765	0.8613
ZNF577	HGC_27con	HGC_27004	OK	0.36167	0.46479	0.361883	0.6769
OGDHL	HGC_27con	HGC_27004	OK	2.17695	2.79776	0.361961	0.3669
ITGA9	HGC_27con	HGC_27004	NOTEST	0.02371	0.03048	0.362041	1
RNF24	HGC_27con	HGC_27004	OK	4.85674	6.2426	0.36216	0.2958
POLR3B	HGC_27con	HGC_27004	OK	5.22303	6.71395	0.362274	0.2899
CYB5R4	HGC_27con	HGC_27004	OK	4.63453	5.9577	0.362333	0.3349
FMNL2	HGC_27con	HGC_27004	OK	8.06377	10.3662	0.362361	0.1973
DLSTP1	HGC_27con	HGC_27004	OK	0.46204	0.59403	0.362518	0.8393
CLEC4A	HGC_27con	HGC_27004	NOTEST	0.17327	0.22278	0.362615	1
NDUFAF2	HGC_27con	HGC_27004	OK	32.9981	42.4281	0.362635	0.2361
NUP205	HGC_27con	HGC_27004	OK	26.241	33.7428	0.362757	0.1652
FAM228B	HGC_27con	HGC_27004	OK	0.99825	1.28367	0.362801	0.8814
ANKMY2	HGC_27con	HGC_27004	OK	11.6518	14.9868	0.363135	0.2179
ANKRD60	HGC_27con	HGC_27004	NOTEST	0.03187	0.04099	0.363164	1
CYCS	HGC_27con	HGC_27004	OK	62.8423	80.8314	0.36318	0.1574
ACVR2A	HGC_27con	HGC_27004	OK	1.15089	1.48052	0.363361	0.7557
FLT3LG	HGC_27con	HGC_27004	OK	2.17463	2.79792	0.363582	0.5777
TCP11L1	HGC_27con	HGC_27004	OK	5.82919	7.49994	0.363584	0.2713
BIRC5	HGC_27con	HGC_27004	OK	38.3801	49.3887	0.363823	0.1722
MAPK1IP1L	HGC_27con	HGC_27004	OK	16.4376	21.1544	0.363959	0.1802
KPNA5	HGC_27con	HGC_27004	OK	1.44886	1.86482	0.364115	0.4992
CCDC65	HGC_27con	HGC_27004	OK	0.34279	0.44124	0.364247	0.6121
TMTC3	HGC_27con	HGC_27004	OK	2.50086	3.22029	0.364764	0.2788
PUS7L	HGC_27con	HGC_27004	OK	5.24671	6.75607	0.364773	0.2427

SMAD5	HGC_27con	HGC_27004	OK	16.1335	20.7749	0.364779	0.1727
CKAP2L	HGC_27con	HGC_27004	OK	3.58665	4.61936	0.365057	0.2505
MTERF3	HGC_27con	HGC_27004	OK	13.8884	17.8934	0.365549	0.2471
CDK1	HGC_27con	HGC_27004	OK	57.7099	74.3549	0.365609	0.1774
IRS1	HGC_27con	HGC_27004	OK	1.15535	1.48869	0.365713	0.3449
EPHA5-AS1	HGC_27con	HGC_27004	OK	2.29647	2.95944	0.365908	0.7145
POLR3K	HGC_27con	HGC_27004	OK	21.8877	28.2074	0.365955	0.2739
ADAMTS4	HGC_27con	HGC_27004	OK	3.00418	3.87214	0.36616	0.3138
TMEM44	HGC_27con	HGC_27004	OK	5.90822	7.6163	0.366367	0.3423
MRPL47	HGC_27con	HGC_27004	OK	19.8106	25.5421	0.366603	0.2374
IARS2	HGC_27con	HGC_27004	OK	48.7562	62.8802	0.367022	0.451
ZFP91	HGC_27con	HGC_27004	OK	18.5614	23.9428	0.367282	0.1633
GAS2L2	HGC_27con	HGC_27004	NOTEST	0.04866	0.06277	0.367403	1
RASL10B	HGC_27con	HGC_27004	OK	4.05757	5.2349	0.367544	0.3076
RAB27A	HGC_27con	HGC_27004	OK	2.48252	3.20307	0.36765	0.3425
DCAF13	HGC_27con	HGC_27004	OK	14.9732	19.3205	0.367751	0.2671
SETD9	HGC_27con	HGC_27004	OK	3.44993	4.45259	0.368078	0.6161
EXOC5	HGC_27con	HGC_27004	OK	11.7262	15.1356	0.368214	0.2247
TJP2	HGC_27con	HGC_27004	OK	0.32129	0.41471	0.368215	0.5474
NUP43	HGC_27con	HGC_27004	OK	10.1848	13.147	0.368327	0.2091
DOC2B	HGC_27con	HGC_27004	OK	0.34866	0.45013	0.368526	0.72
LMO1	HGC_27con	HGC_27004	OK	2.45225	3.16629	0.368688	0.5543
FAM49B	HGC_27con	HGC_27004	OK	6.57832	8.49416	0.368753	0.2266
RASA1	HGC_27con	HGC_27004	OK	10.7226	13.8457	0.368788	0.1939
KANTR	HGC_27con	HGC_27004	OK	0.99573	1.28589	0.368944	0.5316
PCNA	HGC_27con	HGC_27004	OK	69.3308	89.5349	0.368954	0.2053
SNORA1	HGC_27con	HGC_27004	OK	17.3102	22.3573	0.369122	0.7869
PIEZO2	HGC_27con	HGC_27004	OK	4.60642	5.94995	0.369232	0.1861
XK	HGC_27con	HGC_27004	OK	2.01546	2.60403	0.369635	0.3603
DNLZ	HGC_27con	HGC_27004	OK	14.0743	18.1877	0.369901	0.3889
GRPEL2	HGC_27con	HGC_27004	OK	12.074	15.6067	0.370258	0.2002
ME1	HGC_27con	HGC_27004	OK	20.9246	27.0497	0.370409	0.1791
COQ2	HGC_27con	HGC_27004	OK	16.9035	21.8528	0.370498	0.2432
NADK2	HGC_27con	HGC_27004	OK	15.1875	19.6349	0.370531	0.1839
STK26	HGC_27con	HGC_27004	OK	21.7865	28.1663	0.370533	0.1754
KIAA2018	HGC_27con	HGC_27004	OK	1.691	2.18641	0.370686	0.43
RRN3P3	HGC_27con	HGC_27004	OK	0.91057	1.17749	0.370879	0.546
LRBA	HGC_27con	HGC_27004	OK	6.84548	8.85268	0.370962	0.1671
ATP2B1	HGC_27con	HGC_27004	OK	7.6836	9.93814	0.371194	0.1851
UTP20	HGC_27con	HGC_27004	OK	3.27192	4.23312	0.371587	0.2104
CMSS1	HGC_27con	HGC_27004	OK	14.8041	19.1541	0.371654	0.2424
MRPL15	HGC_27con	HGC_27004	OK	33.8556	43.8036	0.371656	0.1735
TMEM38B	HGC_27con	HGC_27004	OK	19.0585	24.661	0.371794	0.1862
ARMCX3	HGC_27con	HGC_27004	OK	19.9903	25.8689	0.371913	0.1613
SLC7A1	HGC_27con	HGC_27004	OK	41.4063	53.5827	0.371917	0.1517
FGF5	HGC_27con	HGC_27004	NOTEST	0.06433	0.08328	0.372433	1
FBXO22	HGC_27con	HGC_27004	OK	12.7913	16.5589	0.372443	0.3044
GTF2H2C_2	HGC_27con	HGC_27004	OK	2.38644	3.08945	0.372493	0.4312
C9orf129	HGC_27con	HGC_27004	OK	0.65168	0.84368	0.372541	0.2208
SNX6	HGC_27con	HGC_27004	OK	33.2452	43.0436	0.372653	0.1661
FBXO48	HGC_27con	HGC_27004	OK	0.33617	0.43528	0.372748	0.6084
SMIM2-AS1	HGC_27con	HGC_27004	OK	0.35274	0.45674	0.372753	0.6734
ERI1	HGC_27con	HGC_27004	OK	7.03914	9.11477	0.372807	0.2132
TMEM33	HGC_27con	HGC_27004	OK	7.39784	9.57925	0.372808	0.1937

FRZB	HGC_27con	HGC_27004	OK	3.17875	4.11748	0.373301	0.3571
TXN	HGC_27con	HGC_27004	OK	317.397	411.201	0.373555	0.1487
RFX3	HGC_27con	HGC_27004	OK	2.34343	3.03602	0.373556	0.2943
SNAPC3	HGC_27con	HGC_27004	OK	15.7381	20.3949	0.373944	0.1901
USP13	HGC_27con	HGC_27004	OK	3.41329	4.42336	0.37398	0.2211
FANCL	HGC_27con	HGC_27004	OK	15.849	20.5421	0.374189	0.3258
SLC35E3	HGC_27con	HGC_27004	OK	3.31409	4.2956	0.374246	0.3742
EDEM1	HGC_27con	HGC_27004	OK	11.7504	15.2305	0.374259	0.1788
STAB2	HGC_27con	HGC_27004	NOTEST	0.01046	0.01357	0.374662	1
DIAPH3	HGC_27con	HGC_27004	OK	6.94878	9.01005	0.374776	0.1918
LONRF3	HGC_27con	HGC_27004	OK	1.36804	1.77392	0.374825	0.4448
FMNL3	HGC_27con	HGC_27004	OK	2.56931	3.33244	0.375199	0.2631
EIF5A2	HGC_27con	HGC_27004	OK	2.56346	3.32496	0.375242	0.3085
ANKHD1	HGC_27con	HGC_27004	OK	17.7253	22.9933	0.375405	0.283
GABRB2	HGC_27con	HGC_27004	OK	2.82012	3.6587	0.375577	0.2327
NUFIP2	HGC_27con	HGC_27004	OK	17.7759	23.0666	0.375881	0.1511
CCNO	HGC_27con	HGC_27004	OK	12.6628	16.4323	0.375939	0.3073
KCNK13	HGC_27con	HGC_27004	NOTEST	0.08685	0.11272	0.376062	1
LOC101928841	HGC_27con	HGC_27004	NOTEST	0.01728	0.02243	0.376125	1
ZNF586	HGC_27con	HGC_27004	OK	1.3798	1.79078	0.376126	0.4728
EIF1B	HGC_27con	HGC_27004	OK	37.5172	48.694	0.376193	0.2169
PKD2	HGC_27con	HGC_27004	OK	4.67979	6.07419	0.376249	0.2285
SUDS3	HGC_27con	HGC_27004	OK	7.57018	9.82609	0.376291	0.2021
NUP153	HGC_27con	HGC_27004	OK	15.0966	19.5955	0.376297	0.1629
FBXO22-AS1	HGC_27con	HGC_27004	OK	43.1245	55.976	0.376303	0.5169
PIGA	HGC_27con	HGC_27004	OK	2.59308	3.36593	0.376339	0.3412
BRCA2	HGC_27con	HGC_27004	OK	1.73253	2.24905	0.376433	0.2332
C1D	HGC_27con	HGC_27004	OK	19.6908	25.5678	0.376804	0.2287
SGPL1	HGC_27con	HGC_27004	OK	8.11216	10.5338	0.376865	0.1853
CCDC7	HGC_27con	HGC_27004	OK	0.83628	1.08611	0.377099	0.4937
MEIS2	HGC_27con	HGC_27004	OK	11.1001	14.4172	0.377223	0.1971
DNAJC18	HGC_27con	HGC_27004	OK	2.88012	3.74086	0.377242	0.2681
MGAT2	HGC_27con	HGC_27004	OK	24.843	32.2711	0.377406	0.1803
SLC25A36	HGC_27con	HGC_27004	OK	9.05698	11.7665	0.377579	0.1963
ZNF530	HGC_27con	HGC_27004	OK	0.55225	0.71772	0.378102	0.5441
ZNF678	HGC_27con	HGC_27004	OK	2.88331	3.74807	0.378424	0.5281
KCNE4	HGC_27con	HGC_27004	OK	2.71677	3.53182	0.378523	0.338
C4orf27	HGC_27con	HGC_27004	OK	27.6683	35.9738	0.378712	0.2064
RAB33B	HGC_27con	HGC_27004	OK	4.37096	5.68304	0.378715	0.2848
NUP155	HGC_27con	HGC_27004	OK	18.3061	23.8066	0.379032	0.1545
AGPS	HGC_27con	HGC_27004	OK	13.6063	17.6963	0.379175	0.1622
VCAM1	HGC_27con	HGC_27004	OK	10.8835	14.1557	0.379239	0.1888
CLSPN	HGC_27con	HGC_27004	OK	2.97663	3.87174	0.379305	0.2044
ADORA2A-AS1	HGC_27con	HGC_27004	OK	0.288	0.37461	0.379346	0.8188
TESC	HGC_27con	HGC_27004	OK	5.12841	6.67093	0.379375	0.4429
GINS4	HGC_27con	HGC_27004	OK	4.84845	6.30685	0.379394	0.4659
KLF2	HGC_27con	HGC_27004	OK	7.0631	9.18768	0.379399	0.4323
GABPB1	HGC_27con	HGC_27004	OK	12.4751	16.2288	0.379509	0.3133
ZNF365	HGC_27con	HGC_27004	OK	0.7331	0.95398	0.379958	0.4894
ATE1-AS1	HGC_27con	HGC_27004	NOTEST	0.16854	0.21933	0.38002	1
CASK	HGC_27con	HGC_27004	OK	2.08405	2.71211	0.380025	0.2493
ENOX1	HGC_27con	HGC_27004	OK	0.48656	0.63321	0.380063	0.5555
KRBA2	HGC_27con	HGC_27004	OK	1.87492	2.44034	0.380255	0.4164
NUPL1	HGC_27con	HGC_27004	OK	14.4651	18.8275	0.380261	0.1616

MRM1	HGC_27con	HGC_27004	OK	5.25632	6.84202	0.38037	0.3341
CERS6-AS1	HGC_27con	HGC_27004	OK	10.5359	13.7145	0.380389	0.3485
RRM1	HGC_27con	HGC_27004	OK	35.302	45.9542	0.380444	0.1525
PPOX	HGC_27con	HGC_27004	OK	8.79818	11.4531	0.380465	0.2845
CDKN3	HGC_27con	HGC_27004	OK	41.3608	53.8737	0.381316	0.1823
ELOVL4	HGC_27con	HGC_27004	OK	6.39387	8.32859	0.381383	0.2512
XIAP	HGC_27con	HGC_27004	OK	8.85134	11.5306	0.381506	0.1603
LOC730101	HGC_27con	HGC_27004	OK	3.20981	4.18164	0.381578	0.2655
C5orf51	HGC_27con	HGC_27004	OK	13.3022	17.3301	0.381619	0.1781
TMEM133	HGC_27con	HGC_27004	OK	5.74295	7.48285	0.381796	0.332
AFF2	HGC_27con	HGC_27004	OK	1.01775	1.3263	0.382027	0.2682
SMYD5	HGC_27con	HGC_27004	OK	15.487	20.1838	0.382143	0.187
MRS2	HGC_27con	HGC_27004	OK	11.6572	15.1936	0.382241	0.25
PFKFB4	HGC_27con	HGC_27004	OK	1.17876	1.53638	0.382261	0.437
CBL	HGC_27con	HGC_27004	OK	7.24601	9.44453	0.382293	0.161
CNEP1R1	HGC_27con	HGC_27004	OK	8.96448	11.6859	0.382477	0.2603
C20orf194	HGC_27con	HGC_27004	OK	2.16687	2.82503	0.382653	0.2642
USP53	HGC_27con	HGC_27004	OK	0.43074	0.56158	0.38266	0.4806
DCAF4	HGC_27con	HGC_27004	OK	8.9827	11.7112	0.38267	0.2196
PRRX1	HGC_27con	HGC_27004	OK	34.4059	44.8591	0.382745	0.1414
NEDD4	HGC_27con	HGC_27004	OK	5.35513	6.98325	0.382977	0.1858
FAT4	HGC_27con	HGC_27004	OK	3.82347	4.98695	0.383273	0.1595
PFKP	HGC_27con	HGC_27004	OK	47.9287	62.5173	0.383366	0.1465
CHEK1	HGC_27con	HGC_27004	OK	14.9768	19.5378	0.383538	0.1786
SPATA6L	HGC_27con	HGC_27004	OK	0.34954	0.45599	0.383563	0.7695
RABEP1	HGC_27con	HGC_27004	OK	14.119	18.4193	0.383581	0.5248
MCUR1	HGC_27con	HGC_27004	OK	10.4284	13.6058	0.38371	0.1775
RAD54L	HGC_27con	HGC_27004	OK	8.00293	10.4422	0.383822	0.4887
RPP40	HGC_27con	HGC_27004	OK	27.2811	35.6045	0.384157	0.396
KIF1B	HGC_27con	HGC_27004	OK	13.0198	16.993	0.384233	0.1463
HILPDA	HGC_27con	HGC_27004	OK	8.2086	10.7137	0.38425	0.2974
MSH6	HGC_27con	HGC_27004	OK	26.2542	34.2715	0.38446	0.2516
IPO5	HGC_27con	HGC_27004	OK	55.2692	72.159	0.384702	0.1367
NODAL	HGC_27con	HGC_27004	NOTEST	0.0808	0.10549	0.384706	1
C14orf39	HGC_27con	HGC_27004	OK	0.53353	0.6966	0.384767	0.5365
KCTD21	HGC_27con	HGC_27004	OK	1.78647	2.33253	0.384781	0.3768
ARHGEF4	HGC_27con	HGC_27004	OK	0.71054	0.92781	0.38491	0.493
URI1	HGC_27con	HGC_27004	OK	51.9295	67.81	0.384945	0.1414
RNF138	HGC_27con	HGC_27004	OK	13.5326	17.6724	0.385065	0.1785
ARHGAP28	HGC_27con	HGC_27004	OK	4.21444	5.5065	0.385795	0.2191
KIAA0754	HGC_27con	HGC_27004	OK	2.59408	3.38943	0.385819	0.6223
ARL8B	HGC_27con	HGC_27004	OK	23.6541	30.9169	0.386307	0.1675
CPSF4	HGC_27con	HGC_27004	OK	25.9706	33.945	0.386323	0.4845
SUPT3H	HGC_27con	HGC_27004	OK	3.6888	4.8215	0.386333	0.345
ARPP19	HGC_27con	HGC_27004	OK	23.1819	30.3071	0.386657	0.1487
FEM1C	HGC_27con	HGC_27004	OK	4.26933	5.58167	0.386688	0.2278
IER3IP1	HGC_27con	HGC_27004	OK	40.1672	52.5178	0.386789	0.1701
PDK1	HGC_27con	HGC_27004	OK	2.94088	3.84524	0.386825	0.2948
MTRNR2L2	HGC_27con	HGC_27004	OK	71.7298	93.7977	0.38698	0.3728
CAMKK2	HGC_27con	HGC_27004	OK	6.00088	7.84838	0.387221	0.214
SSX2IP	HGC_27con	HGC_27004	OK	5.45847	7.13935	0.387295	0.1835
TUBA1A	HGC_27con	HGC_27004	OK	54.9186	71.8408	0.387508	0.1472
TNIK	HGC_27con	HGC_27004	OK	3.09284	4.04688	0.387879	0.3782
PRDM4	HGC_27con	HGC_27004	OK	3.65323	4.78071	0.388052	0.2456

GKAP1	HGC_27con	HGC_27004	OK	4.19634	5.49175	0.388134	0.2917
HMGNS5	HGC_27con	HGC_27004	OK	5.23964	6.8579	0.388298	0.3749
PLK4	HGC_27con	HGC_27004	OK	4.74019	6.20608	0.388738	0.2186
PHF21B	HGC_27con	HGC_27004	OK	0.34638	0.45349	0.388743	0.5535
LRIG3	HGC_27con	HGC_27004	OK	2.79353	3.65802	0.388977	0.2759
INE2	HGC_27con	HGC_27004	OK	0.49839	0.65264	0.389013	0.7329
FAM133DP	HGC_27con	HGC_27004	OK	2.3817	3.11913	0.389154	0.4963
PRIM1	HGC_27con	HGC_27004	OK	40.8358	53.5044	0.389823	0.1572
MFSD4	HGC_27con	HGC_27004	NOTEST	0.16977	0.22254	0.390457	1
FAM198B	HGC_27con	HGC_27004	NOTEST	0.09376	0.1229	0.390543	1
ZC3H8	HGC_27con	HGC_27004	OK	10.0347	13.1563	0.390767	0.2184
ATP5G3	HGC_27con	HGC_27004	OK	66.1857	86.795	0.391093	0.1297
LRRC75A	HGC_27con	HGC_27004	OK	1.21627	1.59521	0.391279	0.8771
ANKRD50	HGC_27con	HGC_27004	OK	7.28215	9.55254	0.39152	0.1444
CNIH4	HGC_27con	HGC_27004	OK	21.6288	28.3737	0.391597	0.2262
DNAH3	HGC_27con	HGC_27004	NOTEST	0.00669	0.00877	0.391793	1
SCN8A	HGC_27con	HGC_27004	NOTEST	0.13117	0.17213	0.392062	1
MLKL	HGC_27con	HGC_27004	NOTEST	0.01582	0.02077	0.392189	1
EIF4E	HGC_27con	HGC_27004	OK	16.8526	22.1195	0.392348	0.1631
FSD1L	HGC_27con	HGC_27004	OK	2.7667	3.63175	0.392497	0.2394
MARCKS	HGC_27con	HGC_27004	OK	44.4727	58.3996	0.393039	0.1387
LOC145474	HGC_27con	HGC_27004	NOTEST	0.08214	0.10788	0.393268	1
TAMM41	HGC_27con	HGC_27004	OK	9.77163	12.8356	0.393478	0.2731
LRCH2	HGC_27con	HGC_27004	OK	5.97211	7.84537	0.3936	0.1809
OR8K1	HGC_27con	HGC_27004	OK	0.44255	0.58142	0.393747	0.7161
MTHFD2	HGC_27con	HGC_27004	OK	276.156	362.852	0.393895	0.1128
DHTKD1	HGC_27con	HGC_27004	OK	15.3403	20.1587	0.394077	0.1453
ABLIM1	HGC_27con	HGC_27004	OK	7.04824	9.26226	0.394102	0.1534
ARMT1	HGC_27con	HGC_27004	OK	8.68033	11.4071	0.394113	0.2225
LINC01448	HGC_27con	HGC_27004	OK	0.26406	0.34706	0.394308	0.7161
IFIT5	HGC_27con	HGC_27004	OK	2.82788	3.71695	0.394399	0.2892
ARMC8	HGC_27con	HGC_27004	OK	3.41219	4.48547	0.39456	0.2675
DDX11-AS1	HGC_27con	HGC_27004	OK	1.10314	1.45024	0.394676	0.7091
GLUD1P7	HGC_27con	HGC_27004	OK	0.3056	0.40183	0.394944	0.8465
SLC39A6	HGC_27con	HGC_27004	OK	20.2795	26.667	0.395033	0.1451
STAG3L3	HGC_27con	HGC_27004	OK	0.43565	0.57291	0.395138	0.6042
GGH	HGC_27con	HGC_27004	OK	29.2165	38.424	0.395226	0.1824
NME1	HGC_27con	HGC_27004	OK	181.573	238.798	0.395244	0.4348
CROT	HGC_27con	HGC_27004	OK	2.78233	3.6593	0.395274	0.4076
ZNF587	HGC_27con	HGC_27004	OK	2.755	3.62407	0.395559	0.2227
TRIO	HGC_27con	HGC_27004	OK	7.15014	9.4059	0.395594	0.1446
ARHGEF6	HGC_27con	HGC_27004	OK	4.77727	6.28463	0.395642	0.1958
PCDH19	HGC_27con	HGC_27004	NOTEST	0.01268	0.01668	0.395736	1
SLC7A11-AS1	HGC_27con	HGC_27004	OK	0.80601	1.06064	0.396064	0.556
LOC441454	HGC_27con	HGC_27004	OK	3.19586	4.20553	0.396083	0.4006
GER4P2-CDK2AP2	HGC_27con	HGC_27004	OK	0.80205	1.0555	0.396174	0.5054
CDK5R1	HGC_27con	HGC_27004	OK	2.88301	3.7943	0.39626	0.2945
VANGL1	HGC_27con	HGC_27004	OK	3.03517	3.99488	0.396373	0.1908
HSD17B11	HGC_27con	HGC_27004	OK	38.493	50.6687	0.396498	0.1577
TRIM37	HGC_27con	HGC_27004	OK	11.0116	14.4958	0.396613	0.1904
NFXL1	HGC_27con	HGC_27004	OK	3.4333	4.52065	0.396936	0.2532
AGPAT5	HGC_27con	HGC_27004	OK	16.7139	22.0117	0.397222	0.1416
B4GALT2	HGC_27con	HGC_27004	OK	47.3413	62.3841	0.398081	0.1412
LINC00312	HGC_27con	HGC_27004	NOTEST	0.13473	0.17755	0.398112	1

HIVEP3	HGC_27con	HGC_27004	NOTEST	0.19434	0.25614	0.398352	1
WDYHV1	HGC_27con	HGC_27004	OK	211.18	278.356	0.398462	0.1159
SMAP1	HGC_27con	HGC_27004	OK	7.45451	9.82634	0.39854	0.1996
SNHG25	HGC_27con	HGC_27004	OK	104.107	137.253	0.398773	0.6589
ZNF334	HGC_27con	HGC_27004	NOTEST	0.21845	0.28803	0.398938	1
LYL1	HGC_27con	HGC_27004	NOTEST	0.10881	0.1435	0.399269	1
CRTC3-AS1	HGC_27con	HGC_27004	OK	0.36384	0.47985	0.39928	0.7815
LRRC46	HGC_27con	HGC_27004	OK	0.24719	0.32602	0.39938	0.6788
SMOC2	HGC_27con	HGC_27004	OK	0.60343	0.79611	0.399783	0.5088
TNPO1	HGC_27con	HGC_27004	OK	28.853	38.0671	0.399826	0.1119
C16orf59	HGC_27con	HGC_27004	OK	8.17038	10.7802	0.399902	0.2787
LINC00618	HGC_27con	HGC_27004	OK	0.98999	1.30635	0.40006	0.7202
DNAJC9	HGC_27con	HGC_27004	OK	18.9454	25.0017	0.400175	0.1932
ISOC1	HGC_27con	HGC_27004	OK	20.2211	26.6893	0.400402	0.1728
ZDHHC23	HGC_27con	HGC_27004	OK	0.87999	1.16164	0.400603	0.4431
NOTCH2NL	HGC_27con	HGC_27004	OK	3.50269	4.62528	0.401078	0.7621
RFFL	HGC_27con	HGC_27004	OK	3.16203	4.17622	0.401346	0.4032
APH1B	HGC_27con	HGC_27004	OK	2.00876	2.65341	0.401542	0.3383
LINC00960	HGC_27con	HGC_27004	OK	0.7236	0.95588	0.401646	0.5938
ERCC6L	HGC_27con	HGC_27004	OK	2.74366	3.62461	0.401726	0.3224
VWA5A	HGC_27con	HGC_27004	OK	1.13004	1.49307	0.401903	0.4943
ZDHHC13	HGC_27con	HGC_27004	OK	6.86601	9.07252	0.402032	0.2221
TLL1	HGC_27con	HGC_27004	OK	2.82292	3.73012	0.402035	0.2619
LIN9	HGC_27con	HGC_27004	OK	5.64922	7.46497	0.402084	0.2108
HSPB11	HGC_27con	HGC_27004	OK	43.7257	57.7816	0.402127	0.209
PGBD1	HGC_27con	HGC_27004	OK	2.47653	3.27271	0.402167	0.2858
BMPR1B	HGC_27con	HGC_27004	OK	1.35656	1.79276	0.402229	0.3129
ADGRL3	HGC_27con	HGC_27004	OK	4.58668	6.06254	0.402471	0.1667
LOC100287846	HGC_27con	HGC_27004	NOTEST	0.03204	0.04236	0.402607	1
H2AFZ	HGC_27con	HGC_27004	OK	284.972	376.776	0.402886	0.1208
UHL3	HGC_27con	HGC_27004	OK	28.3274	37.4547	0.40295	0.3771
SLC38A9	HGC_27con	HGC_27004	OK	5.18447	6.85629	0.403233	0.2744
NUDCD1	HGC_27con	HGC_27004	OK	4.36477	5.77415	0.403704	0.2191
HOOK3	HGC_27con	HGC_27004	OK	5.66386	7.49425	0.403998	0.139
VPS35	HGC_27con	HGC_27004	OK	32.4291	42.9201	0.404362	0.1356
ICA1	HGC_27con	HGC_27004	OK	3.35567	4.44154	0.404457	0.2853
MIER1	HGC_27con	HGC_27004	OK	14.4258	19.0945	0.404506	0.1369
RFC3	HGC_27con	HGC_27004	OK	19.884	26.3194	0.404518	0.1602
L23,PHOSPHO2-KL	HGC_27con	HGC_27004	OK	5.77478	7.64404	0.404568	0.2198
PTGER1	HGC_27con	HGC_27004	OK	3.42699	4.53647	0.404629	0.5084
HMGB1	HGC_27con	HGC_27004	OK	118.338	156.659	0.404709	0.1192
CLIP4	HGC_27con	HGC_27004	NOTEST	0.03938	0.05213	0.40475	1
SUSD1	HGC_27con	HGC_27004	OK	1.62993	2.15817	0.404998	0.7989
SECISBP2	HGC_27con	HGC_27004	OK	12.4306	16.4595	0.405022	0.1459
CHRAC1	HGC_27con	HGC_27004	OK	15.0126	19.8813	0.405242	0.1799
C9orf84	HGC_27con	HGC_27004	NOTEST	0.04802	0.06359	0.405377	1
GTF3A	HGC_27con	HGC_27004	OK	84.6687	112.153	0.405563	0.1511
TRO	HGC_27con	HGC_27004	OK	5.94956	7.88102	0.4056	0.1957
IFNAR1	HGC_27con	HGC_27004	OK	6.40991	8.49113	0.405652	0.1679
SLC20A1	HGC_27con	HGC_27004	OK	21.7393	28.8016	0.405843	0.145
RBPM5-AS1	HGC_27con	HGC_27004	OK	0.42191	0.55907	0.406116	0.6355
TTL	HGC_27con	HGC_27004	OK	18.6389	24.7007	0.406235	0.1317
CCSAP	HGC_27con	HGC_27004	OK	3.40124	4.50777	0.406354	0.2243
MPP7	HGC_27con	HGC_27004	OK	7.90237	10.4748	0.406565	0.1644

GSPT1	HGC_27con	HGC_27004	OK	22.5224	29.8542	0.406573	0.1121
ABI2	HGC_27con	HGC_27004	OK	14.0503	18.6255	0.406676	0.1257
LOC101928517	HGC_27con	HGC_27004	OK	0.45067	0.59749	0.406835	0.6005
LOC101929698	HGC_27con	HGC_27004	NOTEST	0.23926	0.31723	0.406962	1
MCM4	HGC_27con	HGC_27004	OK	26.3437	34.9301	0.407012	0.1201
PIP5K1B	HGC_27con	HGC_27004	NOTEST	0.12002	0.15914	0.407013	1
ZHX1-C8orf76	HGC_27con	HGC_27004	OK	17.5674	23.3013	0.40751	0.8035
CHRNA5	HGC_27con	HGC_27004	OK	3.22063	4.27245	0.407719	0.2774
DOCK4	HGC_27con	HGC_27004	OK	1.56485	2.07638	0.408048	0.2361
SLC35A3	HGC_27con	HGC_27004	OK	4.47464	5.93778	0.408153	0.1902
ITGA2B	HGC_27con	HGC_27004	OK	0.4739	0.62892	0.408281	0.5285
FSIP1	HGC_27con	HGC_27004	OK	0.25218	0.33469	0.408378	0.569
KDM6A	HGC_27con	HGC_27004	OK	2.12339	2.81899	0.408806	0.2529
STS	HGC_27con	HGC_27004	OK	1.01198	1.34365	0.40898	0.344
ABHD10	HGC_27con	HGC_27004	OK	9.94868	13.2102	0.409072	0.1772
NOCT	HGC_27con	HGC_27004	OK	5.05269	6.70961	0.409176	0.3115
CENPA	HGC_27con	HGC_27004	OK	17.5713	23.3334	0.409177	0.1993
TLCD1	HGC_27con	HGC_27004	OK	15.3747	20.4199	0.409418	0.8734
RFESD	HGC_27con	HGC_27004	OK	1.02292	1.35862	0.40945	0.5595
HSPD1	HGC_27con	HGC_27004	OK	364.146	483.672	0.409514	0.1328
FBLN7	HGC_27con	HGC_27004	OK	2.38916	3.17349	0.409569	0.4071
PPP3R1	HGC_27con	HGC_27004	OK	43.5805	57.8936	0.409719	0.125
GPR1	HGC_27con	HGC_27004	OK	8.86055	11.7732	0.410042	0.2179
E2F6	HGC_27con	HGC_27004	OK	8.26193	10.9791	0.410213	0.1819
ZNF804A	HGC_27con	HGC_27004	OK	3.35466	4.45848	0.410384	0.2245
MPHOSPH6	HGC_27con	HGC_27004	OK	19.721	26.2147	0.41064	0.1897
PLEKHJ1	HGC_27con	HGC_27004	OK	44.5008	59.1545	0.410657	0.3731
MALT1	HGC_27con	HGC_27004	OK	4.46735	5.93919	0.410846	0.1778
SLC25A15	HGC_27con	HGC_27004	OK	10.0947	13.4206	0.410861	0.1595
DEPDC4	HGC_27con	HGC_27004	OK	2.15869	2.87004	0.410914	0.4618
DNAH10	HGC_27con	HGC_27004	OK	2.87065	3.81685	0.411003	0.14
GNB4	HGC_27con	HGC_27004	OK	10.0641	13.3831	0.411203	0.1414
OTUD6B	HGC_27con	HGC_27004	OK	7.98414	10.6173	0.411211	0.1742
SLC12A2	HGC_27con	HGC_27004	OK	4.86266	6.4672	0.411395	0.1647
C1QTNF3-AMACR	HGC_27con	HGC_27004	OK	0.52223	0.69458	0.41147	0.749
UBE2L6	HGC_27con	HGC_27004	OK	18.3462	24.4036	0.41161	0.1871
C4orf36	HGC_27con	HGC_27004	OK	1.26035	1.67707	0.412127	0.5705
PFKFB1	HGC_27con	HGC_27004	NOTEST	0.18501	0.24619	0.412192	1
GPR65	HGC_27con	HGC_27004	NOTEST	0.11287	0.1502	0.412238	1
C16orf71	HGC_27con	HGC_27004	NOTEST	0.21223	0.28245	0.412402	1
PLEKHD1	HGC_27con	HGC_27004	NOTEST	0.15079	0.20072	0.412703	1
PPAT	HGC_27con	HGC_27004	OK	20.2302	26.9322	0.41282	0.136
TMOD3	HGC_27con	HGC_27004	OK	12.1949	16.2353	0.412855	0.1447
HIST1H4A	HGC_27con	HGC_27004	OK	0.36264	0.48281	0.412916	0.7958
LOC101927827	HGC_27con	HGC_27004	OK	0.55682	0.74136	0.412975	0.5547
PIK3CD	HGC_27con	HGC_27004	OK	1.42682	1.90041	0.413507	0.6694
C1orf35	HGC_27con	HGC_27004	OK	10.302	13.7219	0.413563	0.2136
LOC101929718	HGC_27con	HGC_27004	OK	2.47303	3.29406	0.413586	0.6501
LDB2	HGC_27con	HGC_27004	OK	3.70184	4.9311	0.413669	0.2818
RNASEH1-AS1	HGC_27con	HGC_27004	OK	12.6526	16.8586	0.414052	0.2183
C9orf41	HGC_27con	HGC_27004	OK	6.41426	8.54669	0.414084	0.2356
WNT3	HGC_27con	HGC_27004	OK	5.82872	7.76693	0.414166	0.2164
SGCG	HGC_27con	HGC_27004	OK	2.72057	3.62618	0.41454	0.4076
MIS12	HGC_27con	HGC_27004	OK	11.7956	15.7228	0.41461	0.1591

LINC00501	HGC_27con	HGC_27004	NOTEST	0.06096	0.08125	0.414643	1
COMMD10	HGC_27con	HGC_27004	OK	12.2169	16.2849	0.414656	0.2157
VKORC1L1	HGC_27con	HGC_27004	OK	13.1788	17.5694	0.414847	0.1247
CD72	HGC_27con	HGC_27004	NOTEST	0.10379	0.13843	0.415502	1
CDKN2D	HGC_27con	HGC_27004	OK	4.14001	5.52265	0.415727	0.3851
VRK1	HGC_27con	HGC_27004	OK	20.2941	27.0718	0.415732	0.1551
ZKSCAN2	HGC_27con	HGC_27004	OK	2.07605	2.76996	0.416025	0.2114
HMG2N2P46	HGC_27con	HGC_27004	NOTEST	0.04717	0.06294	0.416074	1
TCHH	HGC_27con	HGC_27004	NOTEST	0.0158	0.02109	0.416178	1
ZNF833P	HGC_27con	HGC_27004	OK	0.36027	0.48075	0.41621	0.5537
NAA16	HGC_27con	HGC_27004	OK	4.6546	6.21122	0.41622	0.1967
DYRK2	HGC_27con	HGC_27004	OK	7.26054	9.69215	0.416739	0.1417
SLC25A53	HGC_27con	HGC_27004	OK	0.75193	1.00385	0.416875	0.4881
FBXO45	HGC_27con	HGC_27004	OK	5.97187	7.97377	0.417079	0.156
CCDC13	HGC_27con	HGC_27004	NOTEST	0.04335	0.05788	0.417166	1
HMCES	HGC_27con	HGC_27004	OK	8.74715	11.6831	0.417543	0.2087
TRIM15	HGC_27con	HGC_27004	NOTEST	0.10761	0.14372	0.417545	1
GPR1-AS	HGC_27con	HGC_27004	NOTEST	0.05021	0.06709	0.417914	1
EPHA5	HGC_27con	HGC_27004	OK	3.0957	4.13607	0.417997	0.1947
L3MBTL3	HGC_27con	HGC_27004	NOTEST	0.08733	0.1167	0.418219	1
PTBP3	HGC_27con	HGC_27004	OK	27.547	36.811	0.418241	0.1131
MTMR9	HGC_27con	HGC_27004	OK	3.69806	4.94238	0.41844	0.1768
RAP2A	HGC_27con	HGC_27004	OK	14.2093	18.9926	0.418602	0.1389
SUV39H1	HGC_27con	HGC_27004	OK	4.24637	5.67605	0.418657	0.2591
MTMR7	HGC_27con	HGC_27004	OK	0.48287	0.64547	0.418706	0.6733
LDLRAD3	HGC_27con	HGC_27004	OK	5.36207	7.16912	0.419006	0.1888
USP24	HGC_27con	HGC_27004	OK	8.84645	11.8312	0.419421	0.128
EZH2	HGC_27con	HGC_27004	OK	23.6145	31.583	0.419473	0.116
TIGD2	HGC_27con	HGC_27004	OK	2.55308	3.41544	0.419831	0.3325
LOC220729	HGC_27con	HGC_27004	OK	4.4762	5.9884	0.419898	0.3086
CCDC144B	HGC_27con	HGC_27004	NOTEST	0.0547	0.07319	0.420165	1
ZNF620	HGC_27con	HGC_27004	OK	0.90345	1.20915	0.420474	0.4419
MSRA	HGC_27con	HGC_27004	OK	3.23098	4.32443	0.420537	0.3802
RBMS3-AS3	HGC_27con	HGC_27004	NOTEST	0.1599	0.21404	0.420679	1
WHSC1	HGC_27con	HGC_27004	OK	22.6808	30.3638	0.42088	0.1032
EFNA5	HGC_27con	HGC_27004	OK	7.62809	10.2129	0.421001	0.1523
LINC00333	HGC_27con	HGC_27004	OK	0.3623	0.48519	0.421388	0.6752
TSHZ3	HGC_27con	HGC_27004	OK	1.29832	1.73925	0.421826	0.3232
TOB1-AS1	HGC_27con	HGC_27004	OK	0.86079	1.15378	0.422631	0.7799
MND1	HGC_27con	HGC_27004	OK	16.5774	22.2221	0.422775	0.1983
LPAL2	HGC_27con	HGC_27004	NOTEST	0.16718	0.22414	0.422953	1
CLTCL1	HGC_27con	HGC_27004	OK	3.01225	4.0389	0.42312	0.1872
FAT2	HGC_27con	HGC_27004	NOTEST	0.02158	0.02894	0.423208	1
ZNF491	HGC_27con	HGC_27004	NOTEST	0.06	0.08047	0.423491	1
MMGT1	HGC_27con	HGC_27004	OK	17.3951	23.3321	0.423641	0.1331
C12orf73	HGC_27con	HGC_27004	OK	3.48697	4.6776	0.423795	0.3751
TRAIIP	HGC_27con	HGC_27004	OK	3.46978	4.65474	0.423855	0.2904
RNF38	HGC_27con	HGC_27004	OK	5.38107	7.21898	0.423903	0.1775
POC5	HGC_27con	HGC_27004	OK	6.0581	8.12855	0.424133	0.1987
MED8	HGC_27con	HGC_27004	OK	22.219	29.8133	0.424163	0.128
HOXD13	HGC_27con	HGC_27004	OK	14.0474	18.849	0.424182	0.1714
MCTP1	HGC_27con	HGC_27004	NOTEST	0.06765	0.09079	0.424436	1
ZBTB37	HGC_27con	HGC_27004	OK	0.81385	1.09229	0.424516	0.4966
PPM1A	HGC_27con	HGC_27004	OK	9.01599	12.1016	0.424638	0.1468

LOC642776	HGC_27con	HGC_27004	NOTEST	0.21662	0.29076	0.424656	1
WT1	HGC_27con	HGC_27004	OK	1.75635	2.35749	0.424669	0.3995
TXNRD3	HGC_27con	HGC_27004	OK	2.39743	3.21802	0.424686	0.3101
C1orf216	HGC_27con	HGC_27004	OK	1.26118	1.69311	0.424895	0.3924
PNMAL1	HGC_27con	HGC_27004	OK	1.51898	2.03951	0.425117	0.3238
FAM122B	HGC_27con	HGC_27004	OK	16.278	21.8581	0.425251	0.1463
STX18-AS1	HGC_27con	HGC_27004	OK	0.48549	0.65209	0.425631	0.5235
JPH1	HGC_27con	HGC_27004	OK	6.24863	8.39394	0.425808	0.1625
CCDC58	HGC_27con	HGC_27004	OK	14.5447	19.539	0.425861	0.2581
TMEM169	HGC_27con	HGC_27004	OK	0.26728	0.35916	0.426266	0.5429
DLD	HGC_27con	HGC_27004	OK	31.4616	42.2802	0.426388	0.1082
XRCC2	HGC_27con	HGC_27004	OK	5.59732	7.52235	0.426447	0.193
KNTC1	HGC_27con	HGC_27004	OK	6.34888	8.53302	0.426554	0.1345
FBXO10	HGC_27con	HGC_27004	OK	1.27038	1.70745	0.426582	0.3227
KIAA1715	HGC_27con	HGC_27004	OK	14.3638	19.3066	0.426653	0.1065
RBFA	HGC_27con	HGC_27004	OK	2.69352	3.62078	0.426804	0.2023
WDR72	HGC_27con	HGC_27004	OK	6.96566	9.36425	0.426903	0.1652
VDAC1	HGC_27con	HGC_27004	OK	93.2782	125.401	0.426934	0.0953
CCDC175	HGC_27con	HGC_27004	NOTEST	0.14893	0.20027	0.4273	1
TMEM200B	HGC_27con	HGC_27004	OK	3.72697	5.01224	0.427451	0.6597
FEM1B	HGC_27con	HGC_27004	OK	12.2853	16.5222	0.427466	0.1182
LYZ	HGC_27con	HGC_27004	OK	0.34411	0.46285	0.427668	0.6297
WNK3	HGC_27con	HGC_27004	OK	0.4777	0.64255	0.427726	0.3325
IFI30	HGC_27con	HGC_27004	OK	170.997	230.018	0.427779	0.1118
PIGU	HGC_27con	HGC_27004	OK	17.5652	23.628	0.427782	0.1804
HSPA12A	HGC_27con	HGC_27004	OK	1.50594	2.02593	0.427919	0.2748
FARSB	HGC_27con	HGC_27004	OK	43.5949	58.6488	0.427943	0.1014
DISC1	HGC_27con	HGC_27004	OK	1.08064	1.45431	0.428442	0.5213
MYO19	HGC_27con	HGC_27004	OK	24.3678	32.7953	0.42851	0.1691
MSI1	HGC_27con	HGC_27004	OK	1.35859	1.82863	0.428649	0.4202
DERL2	HGC_27con	HGC_27004	OK	8.4779	11.4117	0.428732	0.1494
MCOLN3	HGC_27con	HGC_27004	OK	6.66544	8.97426	0.429093	0.1897
CP	HGC_27con	HGC_27004	OK	0.48524	0.6535	0.429493	0.5887
ZFHX4	HGC_27con	HGC_27004	OK	5.31019	7.15178	0.429539	0.1147
MTHFD2L	HGC_27con	HGC_27004	OK	1.80715	2.43418	0.42972	0.3734
ATP6V1G2-DDX39B	HGC_27con	HGC_27004	NOTEST	0.00578	0.00778	0.42984	1
XKR9	HGC_27con	HGC_27004	NOTEST	0.13718	0.18481	0.429987	1
LRRC7	HGC_27con	HGC_27004	OK	3.48078	4.6904	0.430301	0.1609
ABCC4	HGC_27con	HGC_27004	OK	6.89715	9.29515	0.430477	0.1356
RRM2	HGC_27con	HGC_27004	OK	38.8664	52.3903	0.430773	0.1042
ADGRG1	HGC_27con	HGC_27004	OK	0.3377	0.45528	0.430999	0.5048
ZNF876P	HGC_27con	HGC_27004	OK	0.2897	0.3906	0.431131	0.5645
MTCP1	HGC_27con	HGC_27004	OK	1.55825	2.10102	0.431157	0.6184
POLA1	HGC_27con	HGC_27004	OK	3.39599	4.57931	0.431297	0.1583
ACE	HGC_27con	HGC_27004	NOTEST	0.08369	0.11287	0.431501	1
CHD7	HGC_27con	HGC_27004	OK	2.75124	3.71138	0.43187	0.1332
AEN	HGC_27con	HGC_27004	OK	7.93859	10.7176	0.433022	0.1679
FAP	HGC_27con	HGC_27004	OK	5.61573	7.58278	0.433253	0.1955
SLC8A1	HGC_27con	HGC_27004	OK	6.35544	8.58182	0.433292	0.1282
B3GAT2	HGC_27con	HGC_27004	OK	1.55678	2.10267	0.433653	0.7015
CACYBP	HGC_27con	HGC_27004	OK	32.7806	44.2825	0.433892	0.0953
PPFIA2	HGC_27con	HGC_27004	OK	0.42826	0.57854	0.433938	0.4262
YPEL4	HGC_27con	HGC_27004	NOTEST	0.17385	0.23495	0.43448	1
INIP	HGC_27con	HGC_27004	OK	11.522	15.5738	0.434735	0.1911

FTX	HGC_27con	HGC_27004	OK	1.33137	1.79959	0.434757	0.5251
STMN1	HGC_27con	HGC_27004	OK	110.932	149.952	0.434817	0.0966
PCAT18	HGC_27con	HGC_27004	NOTEST	0.0757	0.10235	0.435063	1
NUDT15	HGC_27con	HGC_27004	OK	11.5498	15.621	0.435615	0.1764
SFRP1	HGC_27con	HGC_27004	OK	0.64845	0.87713	0.435797	0.4348
PPARA	HGC_27con	HGC_27004	OK	2.01017	2.71943	0.435988	0.1658
SNORA73B	HGC_27con	HGC_27004	OK	146.125	197.7	0.436108	0.5046
TBX15	HGC_27con	HGC_27004	NOTEST	0.16884	0.22846	0.436242	1
ZNF121	HGC_27con	HGC_27004	OK	8.1701	11.057	0.436537	0.1959
TET3	HGC_27con	HGC_27004	OK	7.00947	9.48958	0.437039	0.1089
RHOV	HGC_27con	HGC_27004	OK	0.69767	0.94457	0.43711	0.5222
RIMKLB	HGC_27con	HGC_27004	OK	5.69865	7.71545	0.437129	0.2099
SLC27A6	HGC_27con	HGC_27004	OK	0.84917	1.15007	0.43759	0.4393
C11orf80	HGC_27con	HGC_27004	OK	6.04892	8.19271	0.437664	0.3292
GINM1	HGC_27con	HGC_27004	OK	10.6636	14.4443	0.437806	0.222
ZNF727	HGC_27con	HGC_27004	NOTEST	0.22582	0.30594	0.438064	1
LOC100505549	HGC_27con	HGC_27004	OK	2.77535	3.76072	0.43834	0.3545
LGALS1	HGC_27con	HGC_27004	OK	3.81383	5.16834	0.438459	0.216
CNTF	HGC_27con	HGC_27004	OK	1.09359	1.48276	0.439205	0.2711
NAA50	HGC_27con	HGC_27004	OK	14.5908	19.7861	0.43943	0.1007
MMP16	HGC_27con	HGC_27004	OK	5.656	7.67001	0.439445	0.1358
CHKA	HGC_27con	HGC_27004	OK	18.8709	25.5913	0.439491	0.1246
PPARGC1B	HGC_27con	HGC_27004	OK	2.1611	2.93082	0.439537	0.1497
SPATA18	HGC_27con	HGC_27004	OK	1.00288	1.36022	0.439683	0.3761
RAB1F	HGC_27con	HGC_27004	OK	5.70621	7.73944	0.439696	0.1938
PVRIG2P	HGC_27con	HGC_27004	OK	2.89383	3.92585	0.440025	0.7839
SULT1A2	HGC_27con	HGC_27004	NOTEST	0.04646	0.06303	0.440144	1
ARMC6	HGC_27con	HGC_27004	OK	35.6881	48.4216	0.440207	0.1026
MCFD2	HGC_27con	HGC_27004	OK	35.5925	48.2927	0.440231	0.1055
MIR17HG	HGC_27con	HGC_27004	OK	2.85407	3.87289	0.440386	0.3677
GPR63	HGC_27con	HGC_27004	OK	1.12454	1.52612	0.440523	0.3187
TMEM55A	HGC_27con	HGC_27004	OK	8.21216	11.1456	0.440646	0.2093
ZBED4	HGC_27con	HGC_27004	OK	8.20625	11.1381	0.440706	0.1198
LOC100130093	HGC_27con	HGC_27004	OK	0.77808	1.05611	0.440764	0.8005
C9orf72	HGC_27con	HGC_27004	OK	3.76109	5.10509	0.440784	0.2432
MCMDC2	HGC_27con	HGC_27004	NOTEST	0.18065	0.24522	0.440908	1
FUT11	HGC_27con	HGC_27004	OK	4.48412	6.0874	0.441003	0.2805
PPP1R13L	HGC_27con	HGC_27004	OK	1.67762	2.27745	0.441006	0.6881
SLC30A7	HGC_27con	HGC_27004	OK	4.21765	5.7279	0.441569	0.1394
MTHFD1	HGC_27con	HGC_27004	OK	55.8765	75.8924	0.441714	0.1931
CCL26	HGC_27con	HGC_27004	OK	0.4091	0.55583	0.442199	0.7019
CHST13	HGC_27con	HGC_27004	OK	0.25373	0.34481	0.442485	0.6841
CCL5	HGC_27con	HGC_27004	OK	0.38136	0.51841	0.442948	0.6
RHEBL1	HGC_27con	HGC_27004	OK	1.56571	2.12898	0.443346	0.4818
NOVA1	HGC_27con	HGC_27004	OK	3.53235	4.80377	0.443536	0.3386
CCDC163P	HGC_27con	HGC_27004	OK	3.97885	5.41207	0.44383	0.2939
PART1	HGC_27con	HGC_27004	NOTEST	0.13368	0.18194	0.444703	1
PRSS33	HGC_27con	HGC_27004	OK	0.28262	0.38467	0.444757	0.6338
COX10	HGC_27con	HGC_27004	OK	9.61283	13.0854	0.444929	0.1675
GNL3L	HGC_27con	HGC_27004	OK	12.6243	17.1866	0.445089	0.0892
APOC1P1	HGC_27con	HGC_27004	NOTEST	0.23447	0.31923	0.445166	1
TMEM51	HGC_27con	HGC_27004	OK	2.5227	3.43483	0.445272	0.343
MAK	HGC_27con	HGC_27004	NOTEST	0.17768	0.24195	0.445371	1
FAM65B	HGC_27con	HGC_27004	NOTEST	0.03511	0.0478	0.445379	1

UNC5C	HGC_27con	HGC_27004	OK	3.67624	5.00684	0.445667	0.1321
EXOC6	HGC_27con	HGC_27004	OK	4.65151	6.33533	0.44572	0.1708
GPATCH2	HGC_27con	HGC_27004	OK	3.47391	4.73146	0.445727	0.1983
PDE7A	HGC_27con	HGC_27004	OK	3.22712	4.39535	0.445731	0.1652
SHCBP1	HGC_27con	HGC_27004	OK	10.647	14.5013	0.445736	0.1272
SAAL1	HGC_27con	HGC_27004	OK	17.7633	24.1955	0.445833	0.1313
DCK	HGC_27con	HGC_27004	OK	14.9781	20.4024	0.445877	0.1384
DSN1	HGC_27con	HGC_27004	OK	12.2995	16.756	0.44607	0.1385
RASIP1	HGC_27con	HGC_27004	OK	1.59021	2.16701	0.446483	0.4077
PMF1-BGLAP	HGC_27con	HGC_27004	OK	3.76044	5.12605	0.446947	0.6754
NEMP1	HGC_27con	HGC_27004	OK	14.2322	19.4014	0.447003	0.0964
TMEM106C	HGC_27con	HGC_27004	OK	71.2381	97.1536	0.447619	0.0932
MOB3B	HGC_27con	HGC_27004	OK	0.3372	0.45991	0.447718	0.446
RAD51C	HGC_27con	HGC_27004	OK	18.4206	25.1257	0.447845	0.2066
EFCAB10	HGC_27con	HGC_27004	OK	1.143	1.55905	0.44785	0.7817
GCA	HGC_27con	HGC_27004	NOTEST	0.16573	0.22607	0.447883	1
RANBP3L	HGC_27con	HGC_27004	NOTEST	0.08132	0.11094	0.448065	1
RAVER2	HGC_27con	HGC_27004	OK	13.2091	18.0204	0.448101	0.2384
SNORD83B	HGC_27con	HGC_27004	OK	80.5523	109.927	0.448554	0.8475
ISYNA1	HGC_27con	HGC_27004	OK	59.3915	81.0758	0.449015	0.196
BEGAIN	HGC_27con	HGC_27004	OK	3.19192	4.36028	0.449995	0.2901
FSD1	HGC_27con	HGC_27004	OK	14.1539	19.337	0.450163	0.1476
PAQR4	HGC_27con	HGC_27004	OK	14.5196	19.8421	0.450568	0.2671
CDC7	HGC_27con	HGC_27004	OK	15.0423	20.5598	0.450799	0.103
PARD6G	HGC_27con	HGC_27004	OK	1.40869	1.92552	0.450893	0.3585
SP2-AS1	HGC_27con	HGC_27004	OK	0.45252	0.6186	0.45103	0.779
CNNM1	HGC_27con	HGC_27004	OK	1.31494	1.79771	0.451161	0.268
UXS1	HGC_27con	HGC_27004	OK	7.69687	10.53	0.452155	0.1755
FBXO34	HGC_27con	HGC_27004	OK	8.414	11.5122	0.452294	0.129
TPPP3	HGC_27con	HGC_27004	OK	2.16161	2.9581	0.452564	0.4486
SEMA3D	HGC_27con	HGC_27004	OK	33.0646	45.2665	0.453156	0.082
SYCP2L	HGC_27con	HGC_27004	NOTEST	0.05252	0.07192	0.45332	1
NRN1L	HGC_27con	HGC_27004	NOTEST	0.23593	0.32303	0.453337	1
ZCCHC18	HGC_27con	HGC_27004	OK	2.15855	2.9556	0.453389	0.4837
HIF1A-AS2	HGC_27con	HGC_27004	OK	15.085	20.6553	0.4534	0.3595
USP46	HGC_27con	HGC_27004	OK	4.44127	6.08304	0.453822	0.1159
SBF1	HGC_27con	HGC_27004	OK	15.2172	20.846	0.454073	0.1407
CERS6	HGC_27con	HGC_27004	OK	5.92617	8.12406	0.455102	0.2105
GLYATL2	HGC_27con	HGC_27004	NOTEST	0.07419	0.10171	0.455141	1
PRRT3	HGC_27con	HGC_27004	OK	2.17158	2.97724	0.45523	0.2972
ZNF514	HGC_27con	HGC_27004	OK	4.12088	5.65009	0.45532	0.1755
SKA1	HGC_27con	HGC_27004	OK	10.3898	14.2468	0.455466	0.125
EXOSC3	HGC_27con	HGC_27004	OK	13.512	18.5313	0.455718	0.1423
LOC100289511	HGC_27con	HGC_27004	OK	0.46186	0.63348	0.45584	0.7865
PRR11	HGC_27con	HGC_27004	OK	14.9805	20.5488	0.455968	0.0945
MYB	HGC_27con	HGC_27004	OK	1.04317	1.43124	0.456294	0.3679
EFTUD1	HGC_27con	HGC_27004	OK	5.31182	7.28909	0.456532	0.1314
NME6	HGC_27con	HGC_27004	OK	4.0911	5.6141	0.456566	0.1986
DPT	HGC_27con	HGC_27004	NOTEST	0.10722	0.14713	0.456613	1
UBXN2B	HGC_27con	HGC_27004	OK	6.43453	8.83072	0.456697	0.1379
PARK2	HGC_27con	HGC_27004	NOTEST	0.16066	0.22048	0.456701	1
SRD5A1	HGC_27con	HGC_27004	OK	30.4739	41.8265	0.456846	0.1108
RTTN	HGC_27con	HGC_27004	OK	2.22452	3.05329	0.456871	0.1755
PEX3	HGC_27con	HGC_27004	OK	3.7223	5.11243	0.457815	0.2524

TROVE2	HGC_27con	HGC_27004	OK	7.29252	10.0192	0.458274	0.301
KIF12	HGC_27con	HGC_27004	NOTEST	0.03941	0.05416	0.458537	1
SH3GLB1	HGC_27con	HGC_27004	OK	10.3202	14.1817	0.458556	0.091
ZNF556	HGC_27con	HGC_27004	NOTEST	0.14026	0.19282	0.459144	1
SLC7A5P1	HGC_27con	HGC_27004	OK	2.18553	3.00465	0.459217	0.5672
CCDC78	HGC_27con	HGC_27004	OK	2.27249	3.12443	0.459322	0.5341
ARHGEF40	HGC_27con	HGC_27004	OK	7.86416	10.8145	0.459608	0.1831
SNX29P1	HGC_27con	HGC_27004	OK	0.25142	0.3458	0.459807	0.6584
LAMA1	HGC_27con	HGC_27004	OK	2.58375	3.55455	0.460199	0.1295
ZBTB41	HGC_27con	HGC_27004	OK	3.94649	5.43062	0.460547	0.116
IQGAP3	HGC_27con	HGC_27004	OK	7.2569	9.98717	0.460723	0.1067
RBM20	HGC_27con	HGC_27004	OK	3.85366	5.30736	0.461763	0.1176
DZIP1L	HGC_27con	HGC_27004	OK	0.88172	1.21437	0.461819	0.3653
PRF1	HGC_27con	HGC_27004	NOTEST	0.03135	0.04319	0.462261	1
IL15	HGC_27con	HGC_27004	OK	0.3531	0.48658	0.462606	0.5312
KRTAP5-2	HGC_27con	HGC_27004	NOTEST	0.11285	0.15552	0.462721	1
DAPK1	HGC_27con	HGC_27004	OK	2.23884	3.08669	0.463308	0.1882
NAT1	HGC_27con	HGC_27004	OK	1.65505	2.28189	0.463357	0.389
TIMM9	HGC_27con	HGC_27004	OK	44.3374	61.1327	0.463419	0.2198
FNDC8	HGC_27con	HGC_27004	OK	1.14131	1.57385	0.463607	0.4829
SOGA1	HGC_27con	HGC_27004	OK	6.1552	8.48853	0.463709	0.1119
RPSAP9	HGC_27con	HGC_27004	OK	0.48541	0.66953	0.463936	0.5627
RBL1	HGC_27con	HGC_27004	OK	3.50692	4.8378	0.464148	0.1484
ETNK1	HGC_27con	HGC_27004	OK	9.50779	13.1163	0.464179	0.1087
FAM219A	HGC_27con	HGC_27004	OK	1.2145	1.67623	0.464861	0.3222
APAF1	HGC_27con	HGC_27004	OK	2.14133	2.95594	0.465112	0.1792
TAS2R19	HGC_27con	HGC_27004	NOTEST	0.14301	0.19742	0.465145	1
LINC01431	HGC_27con	HGC_27004	NOTEST	0.1616	0.2231	0.465314	1
AK6	HGC_27con	HGC_27004	OK	16.199	22.3792	0.466252	0.5502
ZNF536	HGC_27con	HGC_27004	OK	3.19476	4.41393	0.466355	0.1718
CCNYL1	HGC_27con	HGC_27004	OK	9.06275	12.5214	0.466372	0.106
ZNF239	HGC_27con	HGC_27004	OK	2.95013	4.07625	0.466465	0.2483
KCTD9	HGC_27con	HGC_27004	OK	9.63669	13.3173	0.466696	0.1151
GOLT1B	HGC_27con	HGC_27004	OK	13.7051	18.9413	0.466826	0.1121
YOD1	HGC_27con	HGC_27004	OK	3.8451	5.31479	0.466992	0.1362
MAK16	HGC_27con	HGC_27004	OK	6.04535	8.35653	0.467078	0.2079
LRRC8C	HGC_27con	HGC_27004	OK	2.14596	2.96674	0.467255	0.1823
ZFP36L1	HGC_27con	HGC_27004	OK	24.8563	34.3784	0.46789	0.0892
PARD3	HGC_27con	HGC_27004	OK	13.553	18.7454	0.467926	0.0956
SGK3	HGC_27con	HGC_27004	OK	6.96236	9.63008	0.467971	0.1214
TINCR	HGC_27con	HGC_27004	NOTEST	0.07865	0.10883	0.468568	1
ATF3	HGC_27con	HGC_27004	OK	8.78852	12.1645	0.468985	0.132
CDCA7	HGC_27con	HGC_27004	OK	33.9448	46.9849	0.469009	0.0716
RALA	HGC_27con	HGC_27004	OK	16.1308	22.3382	0.469698	0.0999
LOC145783	HGC_27con	HGC_27004	OK	0.33179	0.45953	0.46991	0.5055
MTFR1	HGC_27con	HGC_27004	OK	17.2129	23.8402	0.469911	0.0919
NAPB	HGC_27con	HGC_27004	OK	2.58966	3.58713	0.470064	0.222
STBD1	HGC_27con	HGC_27004	OK	0.41101	0.56941	0.470284	0.4988
TMEM92-AS1	HGC_27con	HGC_27004	NOTEST	0.06753	0.09363	0.471527	1
ZNF417	HGC_27con	HGC_27004	OK	1.1463	1.5904	0.472406	0.2764
CLDN20	HGC_27con	HGC_27004	NOTEST	0.19901	0.27616	0.472706	1
HAPLN1	HGC_27con	HGC_27004	OK	21.8662	30.3518	0.473075	0.0814
RNASEK-C17orf49	HGC_27con	HGC_27004	OK	3.05414	4.23942	0.473103	0.6249
AMPH	HGC_27con	HGC_27004	NOTEST	0.217	0.30124	0.473216	1

B4GALNT1	HGC_27con	HGC_27004	OK	9.40008	13.0504	0.473352	0.1685
BM11	HGC_27con	HGC_27004	OK	31.0535	43.1272	0.47384	0.1017
LOC100128770	HGC_27con	HGC_27004	NOTEST	0.02765	0.03841	0.474085	1
PAICS	HGC_27con	HGC_27004	OK	116.655	162.051	0.474199	0.0607
C7orf60	HGC_27con	HGC_27004	OK	2.61043	3.62634	0.474224	0.2221
DPYSL3	HGC_27con	HGC_27004	OK	4.97855	6.91999	0.475045	0.1069
CENPI	HGC_27con	HGC_27004	OK	4.79502	6.66569	0.475217	0.1951
GPD2	HGC_27con	HGC_27004	OK	6.81809	9.47951	0.475444	0.0989
MAPK6	HGC_27con	HGC_27004	OK	25.5702	35.5544	0.475565	0.075
ANK2	HGC_27con	HGC_27004	OK	3.00594	4.18025	0.475774	0.1091
SEC24B-AS1	HGC_27con	HGC_27004	OK	0.45321	0.63034	0.475939	0.599
FAM189B	HGC_27con	HGC_27004	OK	32.0004	44.519	0.476333	0.0773
HOXC11	HGC_27con	HGC_27004	OK	4.61806	6.42616	0.476671	0.3382
SNORA24	HGC_27con	HGC_27004	OK	32.267	44.9022	0.476725	0.8186
LOC103021295	HGC_27con	HGC_27004	OK	14.7442	20.5224	0.477056	0.7202
LOC728024	HGC_27con	HGC_27004	NOTEST	0.11293	0.15719	0.477072	1
BEND7	HGC_27con	HGC_27004	OK	2.62285	3.6518	0.477468	0.283
C3orf33	HGC_27con	HGC_27004	OK	1.85427	2.58371	0.478589	0.3416
ENPP7P13	HGC_27con	HGC_27004	OK	1.25153	1.74438	0.479018	0.2737
USP27X	HGC_27con	HGC_27004	OK	0.70048	0.97656	0.479374	0.4191
IKZF3	HGC_27con	HGC_27004	NOTEST	0.20496	0.28575	0.479428	1
DDX39A	HGC_27con	HGC_27004	OK	101.065	140.922	0.479613	0.0644
FABP5	HGC_27con	HGC_27004	OK	19.6548	27.4093	0.479788	0.1613
ZNF519	HGC_27con	HGC_27004	OK	1.58772	2.21428	0.479878	0.3271
LOC374443	HGC_27con	HGC_27004	OK	2.64921	3.69478	0.479926	0.309
LMNB1	HGC_27con	HGC_27004	OK	36.3604	50.7214	0.480227	0.0675
CCDC184	HGC_27con	HGC_27004	NOTEST	0.07084	0.09883	0.480367	1
VIL1	HGC_27con	HGC_27004	NOTEST	0.02059	0.02875	0.481331	1
C18orf54	HGC_27con	HGC_27004	OK	2.64192	3.68851	0.481449	0.1624
DCP2	HGC_27con	HGC_27004	OK	3.10153	4.3312	0.481787	0.2676
PER2	HGC_27con	HGC_27004	OK	1.68568	2.35524	0.482545	0.1902
TGFBR3	HGC_27con	HGC_27004	OK	1.95411	2.73082	0.482828	0.1712
LAG3	HGC_27con	HGC_27004	OK	1.32517	1.85199	0.482896	0.4477
C12orf29	HGC_27con	HGC_27004	OK	4.14505	5.79292	0.482902	0.3347
LRFN5	HGC_27con	HGC_27004	OK	4.31744	6.03539	0.483272	0.1669
PIGW	HGC_27con	HGC_27004	OK	14.9619	20.9191	0.483527	0.1182
AICDA	HGC_27con	HGC_27004	NOTEST	0.05704	0.07975	0.483602	1
FAM69C	HGC_27con	HGC_27004	NOTEST	0.04067	0.05688	0.48372	1
SYNDIG1L	HGC_27con	HGC_27004	NOTEST	0.02675	0.0374	0.483725	1
FKBP3	HGC_27con	HGC_27004	OK	70.004	97.8994	0.483863	0.0985
ARL6IP6	HGC_27con	HGC_27004	OK	11.151	15.599	0.484274	0.1296
CEP128	HGC_27con	HGC_27004	OK	1.87871	2.62826	0.48436	0.1758
NLN	HGC_27con	HGC_27004	OK	5.6775	7.94664	0.485088	0.0858
P4HA2-AS1	HGC_27con	HGC_27004	OK	4.14611	5.80372	0.485219	0.7663
NT5DC3	HGC_27con	HGC_27004	OK	1.31327	1.83937	0.48605	0.2156
LONRF2	HGC_27con	HGC_27004	NOTEST	0.04203	0.05888	0.486174	1
E2F1	HGC_27con	HGC_27004	OK	13.4138	18.7901	0.486259	0.1011
CGN	HGC_27con	HGC_27004	OK	1.06195	1.48765	0.486319	0.2298
SLC25A32	HGC_27con	HGC_27004	OK	6.96573	9.75836	0.486364	0.3252
ZNF699	HGC_27con	HGC_27004	OK	1.0051	1.40839	0.486703	0.3721
HELLS	HGC_27con	HGC_27004	OK	7.04061	9.86575	0.486729	0.109
LRRC70	HGC_27con	HGC_27004	NOTEST	0.12263	0.17184	0.486757	1
DEPDC1B	HGC_27con	HGC_27004	OK	7.75549	10.8693	0.486973	0.1289
AAED1	HGC_27con	HGC_27004	OK	32.739	45.8993	0.487462	0.1001

YWHAZ	HGC_27con	HGC_27004	OK	120.47	168.91	0.487582	0.0552
PDE3A	HGC_27con	HGC_27004	OK	0.84054	1.1787	0.487806	0.2554
RAB11FIP4	HGC_27con	HGC_27004	OK	1.14264	1.60261	0.488049	0.1939
C3orf80	HGC_27con	HGC_27004	NOTEST	0.12896	0.18087	0.488084	1
ANKRD36C	HGC_27con	HGC_27004	OK	0.68664	0.96321	0.488305	0.2199
FOXD4L1	HGC_27con	HGC_27004	NOTEST	0.04323	0.06067	0.48869	1
GAR1	HGC_27con	HGC_27004	OK	10.4454	14.6585	0.488872	0.1396
MAPT	HGC_27con	HGC_27004	OK	4.13507	5.80308	0.488906	0.111
TRIM71	HGC_27con	HGC_27004	NOTEST	0.0303	0.04252	0.488943	1
RNF169	HGC_27con	HGC_27004	OK	2.92745	4.10897	0.489134	0.1778
MET	HGC_27con	HGC_27004	OK	4.69995	6.59816	0.489419	0.0965
TAS2R14	HGC_27con	HGC_27004	OK	1.00477	1.41086	0.489711	0.7992
SNX30	HGC_27con	HGC_27004	OK	6.00341	8.43195	0.490084	0.0893
AMER1	HGC_27con	HGC_27004	OK	2.7234	3.82733	0.490929	0.1131
MAP3K9	HGC_27con	HGC_27004	OK	0.61365	0.86265	0.491361	0.2354
LZIC	HGC_27con	HGC_27004	OK	16.1008	22.6345	0.491389	0.1126
LOC100128398	HGC_27con	HGC_27004	OK	0.50552	0.71078	0.49165	0.6212
NDUFAF4	HGC_27con	HGC_27004	OK	4.93951	6.94798	0.492225	0.1662
PYGO1	HGC_27con	HGC_27004	OK	3.82564	5.38259	0.492601	0.1104
GLS	HGC_27con	HGC_27004	OK	22.0101	30.9707	0.492738	0.0606
IDH1-AS1	HGC_27con	HGC_27004	OK	3.02467	4.25666	0.492945	0.4841
TMEM144	HGC_27con	HGC_27004	OK	0.73253	1.03118	0.493346	0.4075
TIPARP-AS1	HGC_27con	HGC_27004	NOTEST	0.03557	0.05008	0.493446	1
NBPF12	HGC_27con	HGC_27004	OK	0.29625	0.41711	0.493611	0.7659
ANKRD36	HGC_27con	HGC_27004	OK	0.71418	1.00558	0.493672	0.2279
NUDT4	HGC_27con	HGC_27004	OK	3.31002	4.66129	0.493892	0.446
MYO7A	HGC_27con	HGC_27004	NOTEST	0.20788	0.29278	0.494095	1
KLF12	HGC_27con	HGC_27004	OK	4.24518	5.9802	0.494369	0.082
IGFBPL1	HGC_27con	HGC_27004	OK	5.63419	7.9394	0.494822	0.1319
OSBP2	HGC_27con	HGC_27004	OK	1.37648	1.93983	0.494944	0.2769
LOC100499489	HGC_27con	HGC_27004	OK	1.37895	1.94428	0.495668	0.3499
PEA15	HGC_27con	HGC_27004	OK	10.1546	14.3222	0.496127	0.0906
MAN1C1	HGC_27con	HGC_27004	OK	1.0344	1.45932	0.496509	0.2866
ERMP1	HGC_27con	HGC_27004	OK	5.45596	7.69742	0.496542	0.111
TYMS	HGC_27con	HGC_27004	OK	53.6713	75.7394	0.496894	0.2675
GNAI3	HGC_27con	HGC_27004	OK	17.7132	24.9971	0.49694	0.0754
FOX CUT	HGC_27con	HGC_27004	NOTEST	0.04712	0.0665	0.497061	1
SLC22A14	HGC_27con	HGC_27004	NOTEST	0.03888	0.05488	0.497068	1
TTC7B	HGC_27con	HGC_27004	OK	11.0876	15.6495	0.497174	0.0862
CIB2	HGC_27con	HGC_27004	OK	4.14342	5.84905	0.497381	0.2741
MGC32805	HGC_27con	HGC_27004	OK	0.75686	1.06865	0.4977	0.7801
NUFIP1	HGC_27con	HGC_27004	OK	3.24851	4.58748	0.497925	0.167
LINC01266	HGC_27con	HGC_27004	OK	0.85088	1.20167	0.49801	0.3715
LOC283352	HGC_27con	HGC_27004	NOTEST	0.11371	0.16062	0.498292	1
SEC14L1P1	HGC_27con	HGC_27004	OK	0.40415	0.57089	0.498328	0.7314
VG F	HGC_27con	HGC_27004	OK	0.35126	0.49632	0.498735	0.4922
KPNA4	HGC_27con	HGC_27004	OK	5.91357	8.35763	0.499063	0.0731
LOC100126784	HGC_27con	HGC_27004	NOTEST	0.09538	0.13484	0.499504	1
DHRS13	HGC_27con	HGC_27004	OK	11.8776	16.8015	0.500354	0.1334
RTN1	HGC_27con	HGC_27004	OK	0.45194	0.64005	0.502068	0.4391
TMEM135	HGC_27con	HGC_27004	OK	4.30599	6.09998	0.502462	0.0794
HOXA4	HGC_27con	HGC_27004	OK	2.79837	3.96496	0.502723	0.3674
SYCP3	HGC_27con	HGC_27004	OK	0.47285	0.67008	0.50294	0.7209
EEF2K	HGC_27con	HGC_27004	OK	10.6549	15.0994	0.502977	0.0659

LOC100996447	HGC_27con	HGC_27004	OK	0.33552	0.47561	0.503388	0.5296
THSD7A	HGC_27con	HGC_27004	OK	0.60119	0.85241	0.503717	0.2231
VIMP	HGC_27con	HGC_27004	OK	29.6667	42.0686	0.503897	0.0777
RAI14	HGC_27con	HGC_27004	OK	5.51539	7.82437	0.504512	0.0776
OSGIN1	HGC_27con	HGC_27004	OK	3.0556	4.33589	0.504872	0.2809
B4GALT1-AS1	HGC_27con	HGC_27004	OK	0.91332	1.29606	0.50493	0.8663
ARHGEF26-AS1	HGC_27con	HGC_27004	OK	0.83654	1.18741	0.50532	0.5355
SERTAD4	HGC_27con	HGC_27004	OK	3.65124	5.18291	0.505378	0.2336
CPNE2	HGC_27con	HGC_27004	OK	11.2003	15.9016	0.505635	0.1082
DNA2	HGC_27con	HGC_27004	OK	5.81847	8.26081	0.505644	0.0973
WDSUB1	HGC_27con	HGC_27004	OK	4.77756	6.78494	0.506064	0.2064
SNN	HGC_27con	HGC_27004	OK	1.75187	2.48802	0.506102	0.5102
FOXN2	HGC_27con	HGC_27004	OK	7.35022	10.439	0.506119	0.0846
GNPDA2	HGC_27con	HGC_27004	OK	6.67914	9.48811	0.50646	0.1456
LOC101927314	HGC_27con	HGC_27004	NOTEST	0.08406	0.11944	0.506682	1
HK2	HGC_27con	HGC_27004	OK	13.6953	19.4612	0.506918	0.0624
ADAMTS19	HGC_27con	HGC_27004	OK	2.14781	3.05212	0.506947	0.1555
PARD6A	HGC_27con	HGC_27004	OK	0.46405	0.65946	0.507017	0.5713
PLOD2	HGC_27con	HGC_27004	OK	10.7006	15.2072	0.507061	0.0706
FBXW7	HGC_27con	HGC_27004	OK	1.49418	2.12359	0.507149	0.2245
AKTIP	HGC_27con	HGC_27004	OK	7.32665	10.4147	0.507398	0.3538
LOC101927797	HGC_27con	HGC_27004	OK	1.66724	2.371	0.508036	0.4495
SUV39H2	HGC_27con	HGC_27004	OK	12.3666	17.5899	0.508295	0.0798
CKMT1B	HGC_27con	HGC_27004	OK	0.30699	0.43671	0.50846	0.829
ACER2	HGC_27con	HGC_27004	OK	0.29042	0.41335	0.509199	0.505
HSPA13	HGC_27con	HGC_27004	OK	25.1225	35.756	0.509204	0.0588
TSPAN13	HGC_27con	HGC_27004	OK	19.4505	27.691	0.509611	0.0962
POLR3G	HGC_27con	HGC_27004	OK	6.15435	8.7623	0.509703	0.1079
USP27X-AS1	HGC_27con	HGC_27004	OK	0.23181	0.33008	0.509879	0.5276
FIGNL1	HGC_27con	HGC_27004	OK	5.21229	7.42257	0.510001	0.117
MYBL1	HGC_27con	HGC_27004	OK	1.64791	2.34675	0.510022	0.1821
LOC100506679	HGC_27con	HGC_27004	NOTEST	0.11438	0.16294	0.510504	1
RPGRIP1	HGC_27con	HGC_27004	NOTEST	0.04538	0.06465	0.510577	1
TMC6	HGC_27con	HGC_27004	OK	3.79504	5.40718	0.510762	0.1874
LPGAT1	HGC_27con	HGC_27004	OK	8.3625	11.9149	0.510766	0.0682
SNED1	HGC_27con	HGC_27004	NOTEST	0.1497	0.21332	0.510928	1
WNT10B	HGC_27con	HGC_27004	OK	4.3585	6.21083	0.510957	0.1837
BIN3-IT1	HGC_27con	HGC_27004	NOTEST	0.11849	0.16886	0.511065	1
C1orf112	HGC_27con	HGC_27004	OK	4.44458	6.33462	0.511212	0.221
MPP6	HGC_27con	HGC_27004	OK	5.23715	7.46639	0.511629	0.0697
KIF2A	HGC_27con	HGC_27004	OK	12.8699	18.3515	0.511898	0.0624
EVX2	HGC_27con	HGC_27004	OK	1.4454	2.06147	0.512203	0.4443
FCHSD2	HGC_27con	HGC_27004	OK	4.83552	6.89764	0.512432	0.0938
DRAM1	HGC_27con	HGC_27004	OK	0.59081	0.84309	0.512987	0.3866
CENPH	HGC_27con	HGC_27004	OK	21.5669	30.79	0.513642	0.0848
TEX30	HGC_27con	HGC_27004	OK	8.06315	11.5138	0.513947	0.1797
ZNF749	HGC_27con	HGC_27004	OK	1.0837	1.54757	0.514037	0.2943
CPEB2	HGC_27con	HGC_27004	OK	1.07809	1.5398	0.51427	0.2492
SRSF12	HGC_27con	HGC_27004	OK	0.32734	0.46759	0.514473	0.458
SCARNA2	HGC_27con	HGC_27004	OK	1.42378	2.03388	0.514509	0.6241
C11orf45	HGC_27con	HGC_27004	OK	0.68198	0.97433	0.51467	0.3662
TMEM170A	HGC_27con	HGC_27004	OK	6.39169	9.13166	0.514679	0.0883
GOLGA6L5P	HGC_27con	HGC_27004	NOTEST	0.10549	0.15071	0.514732	1
FJX1	HGC_27con	HGC_27004	OK	3.14446	4.49299	0.514864	0.2543

TBC1D3L	HGC_27con	HGC_27004	NOTEST	0.00064	0.00091	0.515065	1
PHF1	HGC_27con	HGC_27004	OK	9.51872	13.6047	0.515268	0.097
POLE2	HGC_27con	HGC_27004	OK	8.93708	12.7741	0.51534	0.1295
EIF5	HGC_27con	HGC_27004	OK	49.6314	70.9463	0.515473	0.044
LOC101928509	HGC_27con	HGC_27004	OK	1.22708	1.75465	0.515956	0.4241
LINC01424	HGC_27con	HGC_27004	OK	0.75351	1.07767	0.516226	0.4687
OTUB2	HGC_27con	HGC_27004	OK	1.33974	1.91683	0.516769	0.2668
XPNPEP2	HGC_27con	HGC_27004	OK	3.21229	4.59622	0.516844	0.1703
TUBB2A	HGC_27con	HGC_27004	OK	2.8777	4.11748	0.516847	0.2976
ARHGAP12	HGC_27con	HGC_27004	OK	6.48723	9.28531	0.517348	0.0762
HIST1H2BJ	HGC_27con	HGC_27004	OK	0.61384	0.87914	0.518237	0.6988
PAQR5	HGC_27con	HGC_27004	NOTEST	0.16255	0.23283	0.518347	1
PAX9	HGC_27con	HGC_27004	OK	9.93452	14.2299	0.518399	0.0931
LRP8	HGC_27con	HGC_27004	OK	3.02174	4.32849	0.518485	0.2093
KBTBD8	HGC_27con	HGC_27004	OK	0.63399	0.90843	0.518913	0.3512
KIAA1919	HGC_27con	HGC_27004	OK	1.24383	1.7823	0.51895	0.2806
AURKA	HGC_27con	HGC_27004	OK	18.7826	26.9147	0.518994	0.0754
BRINP3	HGC_27con	HGC_27004	OK	11.2423	16.1127	0.519258	0.0845
LHX2	HGC_27con	HGC_27004	OK	0.70188	1.00624	0.519686	0.4709
GNPNAT1	HGC_27con	HGC_27004	OK	21.2639	30.4893	0.519898	0.0602
NPNT	HGC_27con	HGC_27004	OK	19.1642	27.4801	0.519975	0.0495
NRAS	HGC_27con	HGC_27004	OK	21.6411	31.0418	0.520436	0.0553
HPRT1	HGC_27con	HGC_27004	OK	41.6727	59.7755	0.520451	0.0635
BRSK2	HGC_27con	HGC_27004	OK	0.59469	0.85303	0.520464	0.3963
TCEB3B	HGC_27con	HGC_27004	NOTEST	0.03974	0.05702	0.52095	1
CT55	HGC_27con	HGC_27004	NOTEST	0.05841	0.08383	0.521214	1
PVRIG	HGC_27con	HGC_27004	OK	0.61381	0.88097	0.52129	0.754
SEPT11	HGC_27con	HGC_27004	OK	18.3115	26.2823	0.521339	0.051
FERMT1	HGC_27con	HGC_27004	OK	5.76112	8.26949	0.521449	0.0855
CCNG1	HGC_27con	HGC_27004	OK	54.1975	77.7995	0.521534	0.0449
NR2F1-AS1	HGC_27con	HGC_27004	OK	1.20465	1.72928	0.521558	0.3108
FUT1	HGC_27con	HGC_27004	OK	1.65332	2.37351	0.521659	0.2301
FIGN	HGC_27con	HGC_27004	OK	1.35487	1.9454	0.521911	0.2321
GJA9-MYCBP	HGC_27con	HGC_27004	OK	0.74985	1.07687	0.522157	0.6473
FAM72B	HGC_27con	HGC_27004	OK	0.87876	1.26275	0.523041	0.3733
NTN1	HGC_27con	HGC_27004	OK	0.83812	1.20444	0.523131	0.2769
LOC102724776	HGC_27con	HGC_27004	OK	0.77496	1.11373	0.523202	0.5517
TRMT10A	HGC_27con	HGC_27004	OK	1.59381	2.29099	0.523496	0.2441
TMED7-TICAM2	HGC_27con	HGC_27004	OK	4.44855	6.39534	0.523684	0.3965
CEP85L	HGC_27con	HGC_27004	OK	0.58239	0.83734	0.523824	0.2986
TMEM110-MUSTN1	HGC_27con	HGC_27004	OK	0.4179	0.6013	0.524944	0.7779
SNTB2	HGC_27con	HGC_27004	OK	7.43886	10.7047	0.525087	0.0581
LOC101928020	HGC_27con	HGC_27004	NOTEST	0.17558	0.25273	0.525455	1
GAL3ST3	HGC_27con	HGC_27004	NOTEST	0.02772	0.03991	0.525573	1
C14orf105	HGC_27con	HGC_27004	NOTEST	0.04495	0.06479	0.527391	1
MESDC1	HGC_27con	HGC_27004	OK	9.73508	14.0336	0.527617	0.1089
LINC01419	HGC_27con	HGC_27004	NOTEST	0.1931	0.27839	0.527734	1
LSM11	HGC_27con	HGC_27004	OK	3.19294	4.60502	0.528322	0.1006
MELK	HGC_27con	HGC_27004	OK	17.7426	25.595	0.528643	0.0633
C10orf35	HGC_27con	HGC_27004	OK	2.75069	3.96936	0.529115	0.3556
PRKAB2	HGC_27con	HGC_27004	OK	6.56999	9.483	0.529453	0.0665
LOC729683	HGC_27con	HGC_27004	OK	0.25311	0.36536	0.529539	0.5177
DPY30	HGC_27con	HGC_27004	OK	40.7439	58.8163	0.529633	0.0857
NFIB	HGC_27con	HGC_27004	OK	13.341	19.2598	0.52972	0.0443

KCTD19	HGC_27con	HGC_27004	NOTEST	0.0213	0.03076	0.530484	1
LINC01167	HGC_27con	HGC_27004	OK	0.69088	0.99828	0.531004	0.6966
PIIF	HGC_27con	HGC_27004	OK	29.0633	41.9966	0.531074	0.0625
PTPRO	HGC_27con	HGC_27004	OK	0.52559	0.7596	0.531298	0.2924
KANK4	HGC_27con	HGC_27004	NOTEST	0.02171	0.0314	0.532504	1
DUSP9	HGC_27con	HGC_27004	OK	5.7839	8.36846	0.532921	0.1523
AGPAT9	HGC_27con	HGC_27004	OK	1.08856	1.57503	0.532955	0.3241
GLCCI1	HGC_27con	HGC_27004	OK	30.616	44.3133	0.533452	0.0407
DLG3	HGC_27con	HGC_27004	OK	0.51631	0.74733	0.533515	0.3238
CDC25A	HGC_27con	HGC_27004	OK	5.71827	8.27702	0.533532	0.0779
TFAM	HGC_27con	HGC_27004	OK	9.60448	13.9023	0.533541	0.0616
SLC28A2	HGC_27con	HGC_27004	NOTEST	0.05535	0.08012	0.53363	1
TAF1A	HGC_27con	HGC_27004	OK	4.1923	6.0716	0.534335	0.1674
KITLG	HGC_27con	HGC_27004	OK	0.89535	1.29686	0.534501	0.2528
CLDN18	HGC_27con	HGC_27004	NOTEST	0.06096	0.08831	0.53459	1
LPPR3	HGC_27con	HGC_27004	OK	8.47507	12.2765	0.534608	0.1446
SPATA41	HGC_27con	HGC_27004	NOTEST	0.07446	0.10793	0.535553	1
PDSS1	HGC_27con	HGC_27004	OK	12.1307	17.5874	0.535882	0.3284
SAMD9L	HGC_27con	HGC_27004	NOTEST	0.06233	0.09038	0.536219	1
DCDC2	HGC_27con	HGC_27004	NOTEST	0.03264	0.04734	0.53656	1
CACNB2	HGC_27con	HGC_27004	OK	1.86751	2.70928	0.536794	0.1864
PAQR3	HGC_27con	HGC_27004	OK	6.28462	9.11836	0.536949	0.1012
ZNF321P	HGC_27con	HGC_27004	OK	0.81378	1.18077	0.537023	0.5064
CMYA5	HGC_27con	HGC_27004	NOTEST	0.02053	0.0298	0.537579	1
ARL6	HGC_27con	HGC_27004	OK	2.27868	3.30935	0.538353	0.2966
TMCC3	HGC_27con	HGC_27004	NOTEST	0.1576	0.2289	0.538431	1
VENTX	HGC_27con	HGC_27004	NOTEST	0.03511	0.051	0.538735	1
LRRC37A8P	HGC_27con	HGC_27004	NOTEST	0.07502	0.10898	0.538836	1
TRIP13	HGC_27con	HGC_27004	OK	19.0875	27.7355	0.539106	0.0565
HINT3	HGC_27con	HGC_27004	OK	5.26398	7.64897	0.539113	0.1027
SUCO	HGC_27con	HGC_27004	OK	8.56654	12.4533	0.539745	0.048
SEPT4-AS1	HGC_27con	HGC_27004	NOTEST	0.13268	0.19292	0.540035	1
ARHGAP19	HGC_27con	HGC_27004	OK	8.0807	11.7516	0.540299	0.0575
NRL	HGC_27con	HGC_27004	OK	0.82894	1.20552	0.54032	0.4235
PTPDC1	HGC_27con	HGC_27004	OK	8.04092	11.7055	0.541751	0.0646
GPR75-ASB3	HGC_27con	HGC_27004	OK	1.98058	2.88341	0.541851	0.7172
EPB41L4B	HGC_27con	HGC_27004	OK	4.48208	6.52633	0.542102	0.1055
OC400927-CSNK1	HGC_27con	HGC_27004	OK	1.31098	1.90897	0.542148	0.6678
MECOM	HGC_27con	HGC_27004	OK	0.99444	1.44849	0.542601	0.2096
C5orf30	HGC_27con	HGC_27004	OK	13.8555	20.1841	0.542753	0.0619
PTPRVP	HGC_27con	HGC_27004	OK	0.51731	0.75404	0.543623	0.3692
C17orf75	HGC_27con	HGC_27004	OK	8.0781	11.7785	0.544067	0.0659
ENTPD6	HGC_27con	HGC_27004	OK	7.84796	11.4465	0.544518	0.0875
TAF5	HGC_27con	HGC_27004	OK	2.60711	3.80312	0.544735	0.3768
LRP4-AS1	HGC_27con	HGC_27004	NOTEST	0.12948	0.18891	0.544915	1
RELL1	HGC_27con	HGC_27004	OK	1.62416	2.36955	0.544918	0.2688
CACNG4	HGC_27con	HGC_27004	NOTEST	0.12778	0.18651	0.545615	1
SLC25A13	HGC_27con	HGC_27004	OK	8.5308	12.4542	0.545882	0.0744
TPRG1-AS1	HGC_27con	HGC_27004	NOTEST	0.11755	0.17163	0.546077	1
DOCK11	HGC_27con	HGC_27004	OK	16.916	24.7026	0.546274	0.0394
RPIA	HGC_27con	HGC_27004	OK	13.1873	19.2591	0.546397	0.074
TGFBR1	HGC_27con	HGC_27004	OK	16.6794	24.3598	0.546431	0.0403
C4orf46	HGC_27con	HGC_27004	OK	16.6866	24.3735	0.546626	0.0838
ZNF254	HGC_27con	HGC_27004	OK	2.96658	4.33443	0.547043	0.2478

MID1	HGC_27con	HGC_27004	OK	2.73323	3.99402	0.547234	0.1232
SHC3	HGC_27con	HGC_27004	NOTEST	0.00624	0.00912	0.547275	1
C10orf12	HGC_27con	HGC_27004	OK	1.08659	1.58813	0.54752	0.1801
ERBB4	HGC_27con	HGC_27004	OK	0.79723	1.16523	0.547543	0.138
MAN1A1	HGC_27con	HGC_27004	OK	7.08257	10.3528	0.54767	0.0684
PMAIP1	HGC_27con	HGC_27004	OK	21.5504	31.5013	0.547697	0.0647
NCKAP1L	HGC_27con	HGC_27004	NOTEST	0.0332	0.04853	0.547793	1
ZDHC21	HGC_27con	HGC_27004	OK	2.85598	4.17599	0.548135	0.0841
KIAA1024	HGC_27con	HGC_27004	OK	0.32975	0.48244	0.548981	0.3497
RNFT2	HGC_27con	HGC_27004	OK	0.5995	0.8774	0.549485	0.3662
TMEM161B	HGC_27con	HGC_27004	OK	6.27422	9.18326	0.549571	0.1077
TOP1P1	HGC_27con	HGC_27004	NOTEST	0.06511	0.09532	0.550031	1
MCM8-AS1	HGC_27con	HGC_27004	OK	0.32456	0.47536	0.550545	0.6458
SIX4	HGC_27con	HGC_27004	OK	4.18855	6.13498	0.550607	0.0794
PTPRD-AS1	HGC_27con	HGC_27004	OK	0.49075	0.71888	0.550762	0.7663
DACH1	HGC_27con	HGC_27004	OK	7.77367	11.3882	0.550876	0.0581
PKIA	HGC_27con	HGC_27004	OK	4.66613	6.83655	0.551042	0.091
HSDL1	HGC_27con	HGC_27004	OK	12.1238	17.7634	0.551073	0.051
FBXO43	HGC_27con	HGC_27004	OK	1.07818	1.5798	0.551139	0.2697
LOC101060524	HGC_27con	HGC_27004	NOTEST	0.1823	0.26716	0.551434	1
PIIP5K2	HGC_27con	HGC_27004	OK	16.9019	24.776	0.551754	0.0403
MYEF2	HGC_27con	HGC_27004	OK	5.39103	7.90598	0.552385	0.0754
CRYM-AS1	HGC_27con	HGC_27004	OK	0.8676	1.27241	0.552462	0.496
STOX1	HGC_27con	HGC_27004	OK	1.21462	1.78189	0.552909	0.2994
S100A2	HGC_27con	HGC_27004	OK	1.45033	2.12799	0.553111	0.3948
C17orf47	HGC_27con	HGC_27004	NOTEST	0.03086	0.04531	0.553942	1
LOC101929259	HGC_27con	HGC_27004	NOTEST	0.0924	0.13565	0.55395	1
CPEB1	HGC_27con	HGC_27004	OK	3.24048	4.75773	0.554068	0.143
EPHA6	HGC_27con	HGC_27004	OK	1.82932	2.68609	0.554199	0.3061
CD109	HGC_27con	HGC_27004	OK	5.99295	8.80172	0.554518	0.0481
EPN2-IT1	HGC_27con	HGC_27004	NOTEST	0.08785	0.12907	0.555049	1
NCR3LG1	HGC_27con	HGC_27004	OK	7.43878	10.9293	0.555069	0.0483
ARL5B	HGC_27con	HGC_27004	OK	8.80973	12.9449	0.55521	0.0681
GREB1L	HGC_27con	HGC_27004	NOTEST	0.01024	0.01505	0.555573	1
LOC101928567	HGC_27con	HGC_27004	OK	1.54955	2.27751	0.555603	0.4077
MFS2A	HGC_27con	HGC_27004	OK	1.75018	2.57251	0.55567	0.2971
PLD6	HGC_27con	HGC_27004	OK	10.113	14.8694	0.556131	0.0793
C3orf58	HGC_27con	HGC_27004	OK	11.1431	16.3852	0.556245	0.0549
CECR6	HGC_27con	HGC_27004	NOTEST	0.13194	0.19402	0.556245	1
GDPD3	HGC_27con	HGC_27004	OK	0.80051	1.17755	0.556784	0.45
ANP32A-IT1	HGC_27con	HGC_27004	NOTEST	0.14289	0.2102	0.556847	1
LARP1B	HGC_27con	HGC_27004	OK	9.7406	14.3303	0.556984	0.0669
HEY2	HGC_27con	HGC_27004	OK	3.12839	4.60301	0.557159	0.1687
ATP6V0D2	HGC_27con	HGC_27004	OK	1.00257	1.47518	0.557193	0.3475
PBK	HGC_27con	HGC_27004	OK	25.539	37.5817	0.557331	0.0498
EDA	HGC_27con	HGC_27004	OK	1.4742	2.17048	0.55808	0.1986
DDN	HGC_27con	HGC_27004	OK	9.06035	13.3426	0.5584	0.0568
MYT1L	HGC_27con	HGC_27004	NOTEST	0.01538	0.02264	0.558427	1
FAM89A	HGC_27con	HGC_27004	OK	2.82086	4.15533	0.55883	0.2919
CHGA	HGC_27con	HGC_27004	NOTEST	0.01311	0.01932	0.558938	1
FST	HGC_27con	HGC_27004	NOTEST	0.03582	0.05279	0.559265	1
SKAP2	HGC_27con	HGC_27004	OK	6.79449	10.0179	0.560141	0.0622
LILRB3	HGC_27con	HGC_27004	NOTEST	0.0567	0.08363	0.560807	1
MIS18A	HGC_27con	HGC_27004	OK	17.0002	25.0779	0.560867	0.069

IKZF2	HGC_27con	HGC_27004	NOTEST	0.19754	0.29161	0.561916	1
RPS6KA5	HGC_27con	HGC_27004	OK	2.81787	4.16225	0.562759	0.1265
CDH18	HGC_27con	HGC_27004	NOTEST	0.10296	0.15212	0.563052	1
RARB	HGC_27con	HGC_27004	OK	1.87783	2.77506	0.563454	0.8083
MGAT4A	HGC_27con	HGC_27004	OK	0.36941	0.54612	0.563975	0.3008
C9orf40	HGC_27con	HGC_27004	OK	19.492	28.8187	0.56412	0.0552
GPR83	HGC_27con	HGC_27004	NOTEST	0.0164	0.02426	0.564267	1
PARP16	HGC_27con	HGC_27004	OK	7.42413	10.9788	0.564431	0.0933
FOXA1	HGC_27con	HGC_27004	OK	0.92397	1.36684	0.564933	0.3335
EP300-AS1	HGC_27con	HGC_27004	OK	1.55533	2.30187	0.565592	0.3828
LOC101926963	HGC_27con	HGC_27004	NOTEST	0.03612	0.05346	0.565791	1
LOC100505625	HGC_27con	HGC_27004	NOTEST	0.04989	0.07387	0.566094	1
DYRK3	HGC_27con	HGC_27004	OK	7.77914	11.5213	0.566626	0.0863
CCM2L	HGC_27con	HGC_27004	OK	0.49309	0.73035	0.566746	0.4232
CPOX	HGC_27con	HGC_27004	OK	4.66804	6.91671	0.567267	0.1134
SMIM1	HGC_27con	HGC_27004	OK	0.42009	0.62261	0.567616	0.6839
KATNAL1	HGC_27con	HGC_27004	OK	2.85663	4.23502	0.568054	0.0707
PLK3	HGC_27con	HGC_27004	OK	1.00043	1.48324	0.568136	0.3614
PPP1R14C	HGC_27con	HGC_27004	NOTEST	0.06555	0.09719	0.568198	1
NBPF10	HGC_27con	HGC_27004	NOTEST	0.06108	0.09062	0.569124	1
SUMO4	HGC_27con	HGC_27004	NOTEST	0.09589	0.14227	0.569186	1
INPP1	HGC_27con	HGC_27004	OK	1.4116	2.0944	0.569203	0.2867
C2orf69	HGC_27con	HGC_27004	OK	3.96124	5.8779	0.56935	0.1108
SSH2	HGC_27con	HGC_27004	OK	3.39144	5.03326	0.569596	0.1654
DDIT3	HGC_27con	HGC_27004	OK	58.7	87.1257	0.569738	0.2634
SSFA2	HGC_27con	HGC_27004	OK	36.6507	54.4429	0.570902	0.0333
RIMKLA	HGC_27con	HGC_27004	NOTEST	0.01923	0.02858	0.571616	1
NUDT3	HGC_27con	HGC_27004	OK	7.93756	11.7992	0.57192	0.745
LOC653513	HGC_27con	HGC_27004	NOTEST	0.16104	0.23945	0.57224	1
RFPL1S	HGC_27con	HGC_27004	NOTEST	0.01191	0.01771	0.572365	1
RCAN3	HGC_27con	HGC_27004	OK	2.83439	4.21551	0.57267	0.1716
NIPSNAP3A	HGC_27con	HGC_27004	OK	40.0802	59.6244	0.573014	0.0495
TDRD9	HGC_27con	HGC_27004	NOTEST	0.01357	0.0202	0.574126	1
KIF13B	HGC_27con	HGC_27004	OK	0.21797	0.32462	0.574585	0.331
CBR3-AS1	HGC_27con	HGC_27004	OK	1.05118	1.56555	0.57466	0.6663
MACROD2	HGC_27con	HGC_27004	OK	0.26423	0.39365	0.575113	0.3785
OXNAD1	HGC_27con	HGC_27004	OK	4.0454	6.02694	0.575146	0.082
CELF4	HGC_27con	HGC_27004	NOTEST	0.01466	0.02185	0.575162	1
NABP1	HGC_27con	HGC_27004	OK	3.95292	5.8904	0.575448	0.0909
E2F5	HGC_27con	HGC_27004	OK	9.9225	14.7882	0.575668	0.1902
SACS-AS1	HGC_27con	HGC_27004	NOTEST	0.02783	0.04148	0.576142	1
WASH7P	HGC_27con	HGC_27004	OK	0.31519	0.46995	0.576284	0.466
DHRS7	HGC_27con	HGC_27004	OK	33.5109	49.9664	0.576329	0.0452
CCDC126	HGC_27con	HGC_27004	OK	2.06105	3.07577	0.577568	0.2193
RIT2	HGC_27con	HGC_27004	NOTEST	0.13189	0.19689	0.578029	1
ATP11C	HGC_27con	HGC_27004	OK	9.29152	13.8708	0.578066	0.0341
SPRY1	HGC_27con	HGC_27004	OK	3.09972	4.62802	0.578257	0.1652
NUDT10	HGC_27con	HGC_27004	OK	1.95854	2.9249	0.578611	0.2383
LOC100101478	HGC_27con	HGC_27004	NOTEST	0.149	0.22253	0.578696	1
REEP1	HGC_27con	HGC_27004	OK	0.81367	1.21547	0.579007	0.2785
ZNF382	HGC_27con	HGC_27004	NOTEST	0.07408	0.11075	0.580196	1
METTL8	HGC_27con	HGC_27004	OK	4.8014	7.17865	0.580258	0.1015
CYP2R1	HGC_27con	HGC_27004	OK	9.25431	13.8389	0.580527	0.1
GSG2	HGC_27con	HGC_27004	OK	3.12507	4.67407	0.580791	0.175

OTX2	HGC_27con	HGC_27004	OK	0.56677	0.84774	0.580847	0.3639
LPL	HGC_27con	HGC_27004	NOTEST	0.19795	0.29619	0.581374	1
FLVCR2	HGC_27con	HGC_27004	OK	0.67306	1.00748	0.581942	0.3126
LONRF1	HGC_27con	HGC_27004	OK	9.22899	13.817	0.582205	0.0463
TMEM87B	HGC_27con	HGC_27004	OK	2.89957	4.34118	0.582247	0.0995
IGF2BP2	HGC_27con	HGC_27004	OK	8.03988	12.0393	0.582504	0.0485
LOC100507065	HGC_27con	HGC_27004	NOTEST	0.09285	0.13909	0.583063	1
LOC101060091	HGC_27con	HGC_27004	NOTEST	0.11986	0.17956	0.583078	1
GJA1	HGC_27con	HGC_27004	OK	63.7168	95.4739	0.583432	0.023
LOXL1-AS1	HGC_27con	HGC_27004	OK	6.31199	9.46039	0.583804	0.4439
GJC1	HGC_27con	HGC_27004	OK	5.23756	7.85138	0.58405	0.0397
CRTAM	HGC_27con	HGC_27004	NOTEST	0.02688	0.0403	0.58411	1
MAP3K4	HGC_27con	HGC_27004	OK	2.79795	4.19468	0.584192	0.0698
TMPRSS6	HGC_27con	HGC_27004	NOTEST	0.07245	0.10866	0.584627	1
PPP1R9A	HGC_27con	HGC_27004	OK	0.26791	0.40187	0.584997	0.2637
GNAQ	HGC_27con	HGC_27004	OK	10.4883	15.7399	0.585653	0.0349
LINC00883	HGC_27con	HGC_27004	OK	1.54936	2.32526	0.585717	0.1691
CEL	HGC_27con	HGC_27004	NOTEST	0.14917	0.22388	0.585775	1
SLC22A31	HGC_27con	HGC_27004	NOTEST	0.08138	0.12215	0.585803	1
DEPDC1	HGC_27con	HGC_27004	OK	10.7189	16.0898	0.585986	0.0356
FLJ42351	HGC_27con	HGC_27004	OK	0.79934	1.2004	0.58664	0.4986
LOC652276	HGC_27con	HGC_27004	OK	1.48907	2.23657	0.586877	0.2109
SDK2	HGC_27con	HGC_27004	OK	0.28966	0.43516	0.587175	0.2628
FAM213A	HGC_27con	HGC_27004	NOTEST	0.21409	0.32169	0.587485	1
FAM69A	HGC_27con	HGC_27004	OK	6.77472	10.1825	0.587852	0.6695
C2	HGC_27con	HGC_27004	OK	0.84783	1.27477	0.588387	0.5655
CXorf57	HGC_27con	HGC_27004	OK	0.55157	0.82941	0.588544	0.312
OR1F1	HGC_27con	HGC_27004	OK	1.27067	1.91117	0.588864	0.4524
LOC729083	HGC_27con	HGC_27004	NOTEST	0.10335	0.15561	0.590337	1
LOC653602	HGC_27con	HGC_27004	NOTEST	0.03937	0.0593	0.590892	1
ZNF888	HGC_27con	HGC_27004	OK	0.71591	1.07832	0.590935	0.3183
SUSD5	HGC_27con	HGC_27004	OK	1.12536	1.69603	0.591779	0.1678
LINC01301	HGC_27con	HGC_27004	NOTEST	0.05639	0.085	0.592138	1
MPP3	HGC_27con	HGC_27004	OK	0.98732	1.48881	0.592568	0.2651
SYTL2	HGC_27con	HGC_27004	NOTEST	0.02448	0.03693	0.593032	1
HEPHL1	HGC_27con	HGC_27004	NOTEST	0.00973	0.01468	0.594062	1
RHNO1	HGC_27con	HGC_27004	OK	21.9933	33.2034	0.594264	0.27
ZNF808	HGC_27con	HGC_27004	OK	0.51451	0.77704	0.594791	0.318
GINS1	HGC_27con	HGC_27004	OK	11.1682	16.8714	0.595182	0.0458
GREM1	HGC_27con	HGC_27004	NOTEST	0.06356	0.09603	0.595463	1
CRAT37	HGC_27con	HGC_27004	NOTEST	0.08158	0.12332	0.596072	1
PP14571	HGC_27con	HGC_27004	NOTEST	0.15828	0.23935	0.59668	1
NLRP9	HGC_27con	HGC_27004	NOTEST	0.01725	0.02611	0.597712	1
TUBB3	HGC_27con	HGC_27004	OK	19.5946	29.653	0.597722	0.0452
MYRF	HGC_27con	HGC_27004	OK	2.89656	4.38345	0.597725	0.0726
SPIN4	HGC_27con	HGC_27004	OK	2.58526	3.91414	0.598385	0.1352
ANKRD36BP1	HGC_27con	HGC_27004	OK	1.28364	1.94375	0.598606	0.2443
ADAMTS19-AS1	HGC_27con	HGC_27004	OK	1.04039	1.57586	0.599018	0.7158
LINC00381	HGC_27con	HGC_27004	OK	0.28514	0.43194	0.599167	0.5895
POTEF	HGC_27con	HGC_27004	OK	0.40483	0.61343	0.599598	0.3074
ALG1L2	HGC_27con	HGC_27004	NOTEST	0.20636	0.31278	0.599975	1
WDR76	HGC_27con	HGC_27004	OK	7.56822	11.4718	0.600071	0.0374
LCMT1-AS1	HGC_27con	HGC_27004	OK	0.85643	1.29819	0.600095	0.5108
LOC553103	HGC_27con	HGC_27004	NOTEST	0.10549	0.16002	0.601204	1

IGF2BP1	HGC_27con	HGC_27004	OK	8.98825	13.6362	0.601335	0.0265
ZFHX4-AS1	HGC_27con	HGC_27004	OK	0.52071	0.79019	0.60172	0.5911
LOC101926913	HGC_27con	HGC_27004	OK	0.6247	0.94905	0.603314	0.5927
MZT1	HGC_27con	HGC_27004	OK	24.2424	36.8294	0.603329	0.1535
LINC00319	HGC_27con	HGC_27004	NOTEST	0.04586	0.06968	0.603479	1
CDK3	HGC_27con	HGC_27004	OK	1.18065	1.79426	0.603807	0.7171
RBM12B-AS1	HGC_27con	HGC_27004	OK	0.99974	1.51933	0.603814	0.5008
FGF21	HGC_27con	HGC_27004	OK	13.3108	20.2313	0.603992	0.1179
TNFSF14	HGC_27con	HGC_27004	NOTEST	0.05192	0.07893	0.604236	1
LOC101928767	HGC_27con	HGC_27004	NOTEST	0.10529	0.16011	0.604744	1
FAM210A	HGC_27con	HGC_27004	OK	4.10857	6.24938	0.605078	0.0733
RFC5	HGC_27con	HGC_27004	OK	9.22537	14.0356	0.605417	0.0603
SOSTDC1	HGC_27con	HGC_27004	OK	24.3637	37.0902	0.606303	0.0385
PAQR7	HGC_27con	HGC_27004	NOTEST	0.09603	0.14623	0.606643	1
GJB7	HGC_27con	HGC_27004	NOTEST	0.02735	0.04165	0.607078	1
RAB27B	HGC_27con	HGC_27004	NOTEST	0.09646	0.14705	0.608256	1
DLEU2L	HGC_27con	HGC_27004	OK	1.8181	2.77157	0.608269	0.414
GPR37L1	HGC_27con	HGC_27004	NOTEST	0.11151	0.17002	0.608572	1
MED12L	HGC_27con	HGC_27004	OK	0.46415	0.7079	0.608964	0.2042
PEG10	HGC_27con	HGC_27004	OK	15.0569	22.9651	0.609019	0.0176
TNRC6C-AS1	HGC_27con	HGC_27004	OK	0.28454	0.43401	0.609067	0.6815
BANK1	HGC_27con	HGC_27004	NOTEST	0.05047	0.07707	0.610622	1
GNAS	HGC_27con	HGC_27004	NOTEST	0.20326	0.31057	0.61161	1
GNAT2	HGC_27con	HGC_27004	OK	0.25133	0.38436	0.612859	0.4981
KLHL15	HGC_27con	HGC_27004	OK	2.78259	4.25605	0.613087	0.07
HLA-G	HGC_27con	HGC_27004	NOTEST	0.13475	0.20613	0.613295	1
RRAGC	HGC_27con	HGC_27004	OK	18.0644	27.6365	0.613422	0.0283
SLC45A3	HGC_27con	HGC_27004	OK	0.49575	0.75893	0.614349	0.3491
ACP5	HGC_27con	HGC_27004	OK	0.35433	0.54243	0.614358	0.4533
TMEM120A	HGC_27con	HGC_27004	OK	12.6518	19.3735	0.614739	0.284
COL2A1	HGC_27con	HGC_27004	NOTEST	0.04174	0.064	0.616634	1
TRMT11	HGC_27con	HGC_27004	OK	7.16481	10.9918	0.617424	0.0687
SLC24A5	HGC_27con	HGC_27004	NOTEST	0.09355	0.14352	0.617496	1
ZNF273	HGC_27con	HGC_27004	OK	1.19245	1.8295	0.617523	0.1597
BIK	HGC_27con	HGC_27004	OK	0.839	1.28734	0.617657	0.4507
TIAF1	HGC_27con	HGC_27004	OK	0.53009	0.81339	0.617699	0.7239
FAM72A,FAM72C	HGC_27con	HGC_27004	OK	1.05491	1.61903	0.617999	0.3109
SLC25A21	HGC_27con	HGC_27004	OK	3.0698	4.71141	0.618016	0.1656
TMED5	HGC_27con	HGC_27004	OK	12.4855	19.1627	0.618045	0.0224
SAP25	HGC_27con	HGC_27004	OK	1.04216	1.59967	0.618202	0.451
NECAB1	HGC_27con	HGC_27004	OK	1.11357	1.70932	0.618222	0.2985
ALX1	HGC_27con	HGC_27004	OK	3.33672	5.12447	0.618974	0.2067
SLC16A12	HGC_27con	HGC_27004	NOTEST	0.01578	0.02426	0.620087	1
PDP1	HGC_27con	HGC_27004	OK	2.8302	4.35076	0.620364	0.0904
LCOR	HGC_27con	HGC_27004	OK	3.67717	5.65318	0.620465	0.0362
ST8SIA5	HGC_27con	HGC_27004	NOTEST	0.10729	0.16498	0.620695	1
SLFN13	HGC_27con	HGC_27004	NOTEST	0.01489	0.02289	0.620723	1
LOC441155	HGC_27con	HGC_27004	OK	0.70395	1.08346	0.622099	0.2575
ATP6V1C2	HGC_27con	HGC_27004	OK	0.37361	0.5753	0.622774	0.7826
SEMA3A	HGC_27con	HGC_27004	OK	8.95231	13.787	0.622974	0.0269
E2F7	HGC_27con	HGC_27004	OK	4.44149	6.84135	0.623237	0.0462
ADRBK2	HGC_27con	HGC_27004	OK	1.55921	2.40171	0.623248	0.0688
CDH15	HGC_27con	HGC_27004	OK	1.09739	1.69063	0.623485	0.2784
SMIM22	HGC_27con	HGC_27004	OK	0.22227	0.34268	0.624537	0.6459

ACSL6	HGC_27con	HGC_27004	NOTEST	0.04173	0.06436	0.625185	1
SIX1	HGC_27con	HGC_27004	OK	8.80783	13.5983	0.626566	0.0475
MGST1	HGC_27con	HGC_27004	OK	12.6674	19.5571	0.62657	0.1008
IL10RB-AS1	HGC_27con	HGC_27004	OK	0.33127	0.5116	0.626995	0.6349
LINC01551	HGC_27con	HGC_27004	OK	1.15339	1.7813	0.62705	0.3841
GFRA3	HGC_27con	HGC_27004	NOTEST	0.06884	0.10636	0.62767	1
POU3F2	HGC_27con	HGC_27004	OK	1.48682	2.29747	0.627813	0.1623
CDC47L	HGC_27con	HGC_27004	OK	37.0236	57.2232	0.628155	0.0188
DNAH6	HGC_27con	HGC_27004	NOTEST	0.01758	0.02717	0.628275	1
BMP8A	HGC_27con	HGC_27004	NOTEST	0.0597	0.09231	0.628706	1
KIAA1324	HGC_27con	HGC_27004	NOTEST	0.09329	0.14425	0.628819	1
ELAVL2	HGC_27con	HGC_27004	OK	5.83533	9.02499	0.629111	0.0495
VN1R1	HGC_27con	HGC_27004	NOTEST	0.11421	0.17669	0.629555	1
ZNF600	HGC_27con	HGC_27004	NOTEST	0.02342	0.03626	0.630398	1
FOXJ1	HGC_27con	HGC_27004	NOTEST	0.06205	0.09609	0.631112	1
RAB6B	HGC_27con	HGC_27004	OK	1.78554	2.76582	0.631344	0.0968
RAB3IP	HGC_27con	HGC_27004	OK	0.33755	0.52309	0.631951	0.2112
KAT2B	HGC_27con	HGC_27004	OK	2.27433	3.52519	0.632261	0.0753
PCDHB5	HGC_27con	HGC_27004	NOTEST	0.06571	0.10186	0.632374	1
UNG	HGC_27con	HGC_27004	OK	12.5452	19.4484	0.632521	0.036
FOXG1	HGC_27con	HGC_27004	OK	13.1837	20.4391	0.632574	0.0323
RMI2	HGC_27con	HGC_27004	OK	8.01955	12.4368	0.633026	0.0947
PCNXL4	HGC_27con	HGC_27004	OK	27.9686	43.4291	0.634855	0.0208
RASSF2	HGC_27con	HGC_27004	OK	0.59063	0.91731	0.635149	0.1978
DUXA	HGC_27con	HGC_27004	NOTEST	0.09837	0.15283	0.635664	1
SLC35D2	HGC_27con	HGC_27004	NOTEST	0.10314	0.16026	0.635842	1
MIR6720	HGC_27con	HGC_27004	OK	44.5813	69.273	0.635855	0.6398
LIPI	HGC_27con	HGC_27004	OK	0.38176	0.59364	0.636911	0.4057
MLANA	HGC_27con	HGC_27004	OK	0.56632	0.88087	0.637312	0.4031
TBX10	HGC_27con	HGC_27004	NOTEST	0.08189	0.12741	0.637791	1
KCNQ5	HGC_27con	HGC_27004	OK	1.24993	1.94491	0.637851	0.0957
TMSB15A	HGC_27con	HGC_27004	OK	0.91808	1.42856	0.637877	0.4514
SNCG	HGC_27con	HGC_27004	OK	1.24528	1.93793	0.638042	0.3371
SH2D7	HGC_27con	HGC_27004	NOTEST	0.05575	0.08678	0.638258	1
PRRG2	HGC_27con	HGC_27004	NOTEST	0.08602	0.13399	0.63939	1
ACBD7	HGC_27con	HGC_27004	OK	2.81706	4.38969	0.639927	0.0911
UBE2W	HGC_27con	HGC_27004	OK	3.50046	5.45547	0.640161	0.1171
MRPS6	HGC_27con	HGC_27004	OK	21.8363	34.061	0.641393	0.1669
ST6GALNAC3	HGC_27con	HGC_27004	OK	3.94755	6.15876	0.641682	0.0618
ERO1A	HGC_27con	HGC_27004	OK	11.5584	18.0384	0.642125	0.0229
MSANTD3-TMEFF1	HGC_27con	HGC_27004	OK	3.66854	5.72524	0.642129	0.3302
SMG1P5	HGC_27con	HGC_27004	OK	0.64146	1.00163	0.642925	0.2519
PCDHA9	HGC_27con	HGC_27004	NOTEST	0.11581	0.1809	0.643413	1
SCARNA12	HGC_27con	HGC_27004	OK	14.0084	21.8829	0.643515	0.7428
TOX3	HGC_27con	HGC_27004	NOTEST	0.19677	0.30757	0.644417	1
SPACA6P-AS	HGC_27con	HGC_27004	NOTEST	0.05569	0.08705	0.644424	1
ZC2HC1A	HGC_27con	HGC_27004	OK	3.68642	5.763	0.6446	0.0747
DPP10	HGC_27con	HGC_27004	NOTEST	0.02799	0.04378	0.645253	1
UQCRBP1	HGC_27con	HGC_27004	NOTEST	0.07903	0.12365	0.645754	1
SLCO6A1	HGC_27con	HGC_27004	NOTEST	0.17051	0.26707	0.647352	1
INGX	HGC_27con	HGC_27004	OK	0.27651	0.43314	0.647534	0.794
TNNI1	HGC_27con	HGC_27004	NOTEST	0.01552	0.02431	0.647877	1
CAMKK1	HGC_27con	HGC_27004	OK	1.6556	2.59429	0.647986	0.135
EMBP1	HGC_27con	HGC_27004	NOTEST	0.19039	0.29842	0.648344	1

TNFRSF10A	HGC_27con	HGC_27004	OK	2.32237	3.64218	0.649206	0.171
ANKRD20A4	HGC_27con	HGC_27004	NOTEST	0.07741	0.12143	0.649558	1
DCAF4L1	HGC_27con	HGC_27004	NOTEST	0.11013	0.17278	0.649726	1
REM2	HGC_27con	HGC_27004	NOTEST	0.07272	0.1141	0.649781	1
SLC5A3	HGC_27con	HGC_27004	OK	2.99498	4.70115	0.650466	0.0638
KLF7	HGC_27con	HGC_27004	OK	2.71823	4.26745	0.650709	0.0337
DCAF8L1	HGC_27con	HGC_27004	NOTEST	0.05898	0.0926	0.650772	1
RDH16	HGC_27con	HGC_27004	NOTEST	0.06266	0.09842	0.651342	1
MCIDAS	HGC_27con	HGC_27004	OK	3.05881	4.80601	0.651871	0.1408
PTCHD1	HGC_27con	HGC_27004	OK	1.23275	1.93797	0.652668	0.125
DCLK2	HGC_27con	HGC_27004	OK	2.88364	4.53404	0.652902	0.0715
TRIM13	HGC_27con	HGC_27004	NOTEST	0.20201	0.31778	0.653609	1
CELF3	HGC_27con	HGC_27004	NOTEST	0.02111	0.03321	0.653634	1
LOC441666	HGC_27con	HGC_27004	OK	0.26469	0.4167	0.654725	0.2854
NOVA2	HGC_27con	HGC_27004	OK	0.30246	0.47649	0.655678	0.4436
SLCO1B1	HGC_27con	HGC_27004	NOTEST	0.12472	0.19649	0.655755	1
ACVR2B-AS1	HGC_27con	HGC_27004	OK	0.39518	0.62303	0.656787	0.6096
ZNF154	HGC_27con	HGC_27004	NOTEST	0.05651	0.08911	0.657048	1
PRDM5	HGC_27con	HGC_27004	OK	0.98372	1.55178	0.657604	0.1247
ATP8A1	HGC_27con	HGC_27004	OK	3.50505	5.53089	0.658078	0.0265
LOC101929181	HGC_27con	HGC_27004	NOTEST	0.07422	0.1172	0.659017	1
GPR85	HGC_27con	HGC_27004	OK	1.87789	2.96559	0.659204	0.097
SLC10A7	HGC_27con	HGC_27004	OK	2.58694	4.08588	0.6594	0.0956
ELOVL7	HGC_27con	HGC_27004	NOTEST	0.14293	0.22579	0.65969	1
GPR146	HGC_27con	HGC_27004	OK	1.35925	2.14765	0.659956	0.7309
MTRNR2L10	HGC_27con	HGC_27004	NOTEST	0.07544	0.11921	0.660001	1
BDNF	HGC_27con	HGC_27004	OK	7.06927	11.1779	0.661022	0.0248
EEF1A2	HGC_27con	HGC_27004	OK	60.6233	95.8759	0.661295	0.0158
SCML1	HGC_27con	HGC_27004	OK	5.90373	9.34976	0.663303	0.0521
HNRNPCL3	HGC_27con	HGC_27004	NOTEST	4.9E-05	7.8E-05	0.663719	1
ARL4A	HGC_27con	HGC_27004	OK	7.77387	12.3161	0.663846	0.0339
LOC100128239	HGC_27con	HGC_27004	NOTEST	0.0287	0.04553	0.666115	1
IL11	HGC_27con	HGC_27004	NOTEST	0.20266	0.32159	0.666139	1
ARNTL2	HGC_27con	HGC_27004	OK	3.14002	4.98565	0.667006	0.03
TLL2	HGC_27con	HGC_27004	NOTEST	0.06335	0.10064	0.667844	1
ELAVL3	HGC_27con	HGC_27004	NOTEST	0.06952	0.11047	0.66806	1
SMTNL2	HGC_27con	HGC_27004	OK	0.77556	1.23235	0.668107	0.2907
SLFNL1	HGC_27con	HGC_27004	OK	0.96938	1.5411	0.668827	0.7038
QRICH2	HGC_27con	HGC_27004	OK	1.26785	2.01573	0.668919	0.157
PTPRK	HGC_27con	HGC_27004	OK	4.87894	7.76067	0.669611	0.022
SORT1	HGC_27con	HGC_27004	OK	4.53926	7.22061	0.669662	0.0225
WIPF1	HGC_27con	HGC_27004	OK	4.79976	7.63568	0.669794	0.0326
ZNF252P-AS1	HGC_27con	HGC_27004	NOTEST	0.12793	0.20356	0.6701	1
FAM169A	HGC_27con	HGC_27004	OK	1.24975	1.99097	0.671829	0.0886
SMN1,SMN2	HGC_27con	HGC_27004	OK	0.26511	0.42277	0.673283	0.4188
GCH1	HGC_27con	HGC_27004	OK	2.53505	4.04352	0.673597	0.1214
CYS1	HGC_27con	HGC_27004	OK	1.60613	2.56276	0.674106	0.1759
MBNL3	HGC_27con	HGC_27004	OK	1.88144	3.0021	0.674131	0.1386
GFPT1	HGC_27con	HGC_27004	OK	33.9958	54.2635	0.674627	0.0081
STAC	HGC_27con	HGC_27004	NOTEST	0.19832	0.31674	0.675449	1
LOC105372795	HGC_27con	HGC_27004	OK	0.34227	0.54677	0.675812	0.4776
RGS20	HGC_27con	HGC_27004	NOTEST	0.16699	0.26694	0.676727	1
GRID2IP	HGC_27con	HGC_27004	NOTEST	0.03427	0.05481	0.677617	1
PPM1J	HGC_27con	HGC_27004	OK	0.53513	0.85706	0.679516	0.3608

SLC39A8	HGC_27con	HGC_27004	OK	8.81109	14.1136	0.679691	0.0262
SLC41A2	HGC_27con	HGC_27004	OK	1.34372	2.15332	0.680326	0.1568
TBXAS1	HGC_27con	HGC_27004	OK	0.29207	0.46819	0.680797	0.3434
GRIK2	HGC_27con	HGC_27004	OK	1.15855	1.85808	0.681486	0.1186
S1PR2	HGC_27con	HGC_27004	OK	3.62315	5.81248	0.681909	0.0705
ZNF570	HGC_27con	HGC_27004	OK	0.21633	0.34721	0.682586	0.3759
OCA2	HGC_27con	HGC_27004	OK	0.43048	0.69103	0.682811	0.3045
KREMEN2	HGC_27con	HGC_27004	OK	5.99085	9.61882	0.6831	0.095
CDHR5	HGC_27con	HGC_27004	NOTEST	0.18327	0.29428	0.68324	1
PIPSL	HGC_27con	HGC_27004	OK	0.20545	0.32994	0.683418	0.3275
NTS	HGC_27con	HGC_27004	OK	0.43764	0.70294	0.683657	0.3958
ERO1B	HGC_27con	HGC_27004	OK	3.96027	6.36144	0.683754	0.0399
ETNK2	HGC_27con	HGC_27004	OK	1.82988	2.94104	0.684575	0.1557
MMD	HGC_27con	HGC_27004	OK	1.23293	1.98231	0.685092	0.233
MPPED2	HGC_27con	HGC_27004	OK	1.56621	2.51859	0.685336	0.1818
CDKL3	HGC_27con	HGC_27004	OK	0.4787	0.77013	0.685985	0.332
HIST1H4C	HGC_27con	HGC_27004	OK	31.3577	50.4691	0.686581	0.1104
PPP1R32	HGC_27con	HGC_27004	OK	0.49299	0.79392	0.687432	0.3587
OSBPL10	HGC_27con	HGC_27004	OK	0.2323	0.37413	0.687572	0.3278
KIF21B	HGC_27con	HGC_27004	NOTEST	0.0689	0.11116	0.690189	1
BLOC1S1-RDH5	HGC_27con	HGC_27004	OK	0.88333	1.426	0.690955	0.5691
ZNF714	HGC_27con	HGC_27004	OK	4.70857	7.61241	0.693063	0.029
SNORA68	HGC_27con	HGC_27004	OK	14.6314	23.6678	0.693857	0.77
SCN11A	HGC_27con	HGC_27004	NOTEST	0.02474	0.04003	0.694162	1
NTN3	HGC_27con	HGC_27004	OK	4.72511	7.64903	0.694928	0.1553
ADAMTS3	HGC_27con	HGC_27004	OK	1.19905	1.94224	0.695837	0.0801
C4orf32	HGC_27con	HGC_27004	OK	6.80779	11.0385	0.69729	0.0395
BCL11A	HGC_27con	HGC_27004	OK	5.00582	8.11695	0.69733	0.0489
LYPD6	HGC_27con	HGC_27004	OK	1.75239	2.84328	0.698228	0.0845
PRDM13	HGC_27con	HGC_27004	OK	2.26377	3.6733	0.698352	0.1216
SLC6A15	HGC_27con	HGC_27004	OK	7.28911	11.8281	0.698402	0.0173
PRSS12	HGC_27con	HGC_27004	OK	2.96366	4.81346	0.699697	0.0406
WDR66	HGC_27con	HGC_27004	NOTEST	0.03249	0.05289	0.70292	1
BATF3	HGC_27con	HGC_27004	OK	2.3327	3.7973	0.702975	0.2277
COQ3	HGC_27con	HGC_27004	OK	5.39349	8.78049	0.703084	0.0852
F10	HGC_27con	HGC_27004	OK	0.3216	0.5243	0.705111	0.3953
LIN28B	HGC_27con	HGC_27004	OK	1.75015	2.85647	0.70676	0.0572
MS4A10	HGC_27con	HGC_27004	NOTEST	0.05921	0.09668	0.707425	1
SERPINE2	HGC_27con	HGC_27004	OK	0.54476	0.88961	0.707559	0.2982
AATBC	HGC_27con	HGC_27004	NOTEST	0.09937	0.16231	0.707921	1
SCML2	HGC_27con	HGC_27004	OK	4.27635	6.99361	0.709657	0.029
HHAT	HGC_27con	HGC_27004	OK	1.72208	2.81949	0.71128	0.0975
PVRL3	HGC_27con	HGC_27004	OK	3.04863	4.99233	0.711554	0.0552
PDE10A	HGC_27con	HGC_27004	NOTEST	0.0487	0.07977	0.711826	1
CCDC136	HGC_27con	HGC_27004	OK	1.21034	1.98272	0.712065	0.1376
HNF1A-AS1	HGC_27con	HGC_27004	NOTEST	0.04832	0.07919	0.712716	1
ALPK3	HGC_27con	HGC_27004	NOTEST	0.067	0.10982	0.712985	1
PRH2	HGC_27con	HGC_27004	NOTEST	0.04008	0.06578	0.714888	1
MIR1248	HGC_27con	HGC_27004	OK	161.183	264.617	0.715206	0.7912
DSP	HGC_27con	HGC_27004	OK	0.87352	1.43421	0.715354	0.0482
PRKAR2B	HGC_27con	HGC_27004	OK	6.67948	10.9683	0.715537	0.0235
FAM84A	HGC_27con	HGC_27004	NOTEST	0.05076	0.08335	0.715584	1
NEURL3	HGC_27con	HGC_27004	NOTEST	0.10864	0.17854	0.716741	1
FAM81A	HGC_27con	HGC_27004	OK	1.85445	3.05068	0.718142	0.0779

ARHGAP42	HGC_27con	HGC_27004	OK	5.3567	8.81219	0.718156	0.0172
TMEM51-AS1	HGC_27con	HGC_27004	OK	0.30609	0.50391	0.719209	0.5058
FSTL4	HGC_27con	HGC_27004	OK	0.38225	0.62937	0.719415	0.2124
LOC101929532	HGC_27con	HGC_27004	NOTEST	0.11008	0.18128	0.719643	1
LINC01124	HGC_27con	HGC_27004	NOTEST	0.10835	0.17852	0.720365	1
TSHR	HGC_27con	HGC_27004	OK	0.20197	0.33277	0.720423	0.4948
CLPSL2	HGC_27con	HGC_27004	OK	1.44444	2.38213	0.721738	0.4629
EPS8L1	HGC_27con	HGC_27004	OK	0.96092	1.58909	0.725725	0.2213
PM20D2	HGC_27con	HGC_27004	OK	9.28708	15.3701	0.726834	0.0137
CRACR2A	HGC_27con	HGC_27004	OK	0.27494	0.45507	0.727002	0.3009
ADGRE1	HGC_27con	HGC_27004	NOTEST	0.13212	0.21877	0.727584	1
COL24A1	HGC_27con	HGC_27004	NOTEST	0.1152	0.19087	0.728371	1
UQCRHL	HGC_27con	HGC_27004	OK	0.69265	1.14966	0.731007	0.4213
NPAP1	HGC_27con	HGC_27004	NOTEST	0.01262	0.02094	0.731108	1
AIF1L	HGC_27con	HGC_27004	OK	6.1776	10.2578	0.731608	0.0189
DNAJB9	HGC_27con	HGC_27004	OK	15.6329	25.96	0.731711	0.0559
UBE2E2	HGC_27con	HGC_27004	OK	10.5315	17.4897	0.731799	0.0337
COL4A4	HGC_27con	HGC_27004	NOTEST	0.0676	0.11229	0.732095	1
XKR3	HGC_27con	HGC_27004	OK	0.49803	0.82756	0.732635	0.3261
LOC100131496	HGC_27con	HGC_27004	NOTEST	0.0512	0.08512	0.733287	1
PDLIM3	HGC_27con	HGC_27004	NOTEST	0.10517	0.17491	0.733875	1
CNTFR	HGC_27con	HGC_27004	OK	0.25458	0.42352	0.734288	0.3976
B3GALNT1	HGC_27con	HGC_27004	OK	1.73884	2.89414	0.735012	0.1007
ENDOD1	HGC_27con	HGC_27004	OK	1.88291	3.13474	0.73538	0.0538
TPTE2P5	HGC_27con	HGC_27004	OK	0.61619	1.02587	0.735396	0.4792
HDX	HGC_27con	HGC_27004	OK	0.21434	0.35691	0.735695	0.2458
RASEF	HGC_27con	HGC_27004	OK	0.42958	0.71572	0.736463	0.2003
SLAMF9	HGC_27con	HGC_27004	NOTEST	0.02854	0.04755	0.73661	1
LOC101927446	HGC_27con	HGC_27004	NOTEST	0.06799	0.1133	0.736655	1
WASF3	HGC_27con	HGC_27004	OK	2.50114	4.16908	0.737145	0.0452
ACSL4	HGC_27con	HGC_27004	OK	7.68407	12.8108	0.737414	0.0079
LOC101929162	HGC_27con	HGC_27004	OK	0.29631	0.49403	0.737462	0.7078
EPHA4	HGC_27con	HGC_27004	OK	0.59909	0.99927	0.7381	0.1254
HRAT5	HGC_27con	HGC_27004	OK	0.43641	0.72874	0.739727	0.468
CCNJ	HGC_27con	HGC_27004	OK	3.80129	6.37333	0.745558	0.1744
RASA2	HGC_27con	HGC_27004	OK	1.15392	1.93543	0.746109	0.0698
CD3EAP	HGC_27con	HGC_27004	OK	0.67462	1.13164	0.746276	0.6254
PTENP1	HGC_27con	HGC_27004	NOTEST	0.13231	0.222	0.746642	1
NDN	HGC_27con	HGC_27004	OK	0.36217	0.60809	0.747589	0.3474
ST7-OT4	HGC_27con	HGC_27004	NOTEST	0.18981	0.31916	0.749713	1
SLC23A3	HGC_27con	HGC_27004	OK	0.28732	0.48319	0.749958	0.349
C8orf34	HGC_27con	HGC_27004	NOTEST	0.16771	0.28229	0.751199	1
SLC7A14	HGC_27con	HGC_27004	NOTEST	0.00936	0.01575	0.75181	1
CEACAM8	HGC_27con	HGC_27004	NOTEST	0.04791	0.08068	0.751925	1
SPC25	HGC_27con	HGC_27004	OK	8.90166	14.9922	0.752067	0.0337
ACVR2B	HGC_27con	HGC_27004	OK	0.82666	1.39246	0.752266	0.0548
CDHR3	HGC_27con	HGC_27004	NOTEST	0.11428	0.19259	0.752994	1
NAV2-AS2	HGC_27con	HGC_27004	OK	0.75416	1.27206	0.754232	0.4912
WFDC21P	HGC_27con	HGC_27004	OK	0.30746	0.5186	0.75424	0.5458
GXYLT1	HGC_27con	HGC_27004	OK	5.31127	8.96813	0.75575	0.006
FIBIN	HGC_27con	HGC_27004	OK	0.21009	0.35479	0.755958	0.3506
LOC100130451	HGC_27con	HGC_27004	OK	0.21072	0.35599	0.756539	0.4188
PHEX	HGC_27con	HGC_27004	NOTEST	0.03013	0.05095	0.758046	1
GNB1L	HGC_27con	HGC_27004	OK	3.38359	5.72342	0.758323	0.469

LIN7A	HGC_27con	HGC_27004	OK	2.40997	4.07657	0.758338	0.1512
LOC100507462	HGC_27con	HGC_27004	NOTEST	0.13003	0.22009	0.759232	1
CSTF3-AS1	HGC_27con	HGC_27004	NOTEST	0.06342	0.10735	0.759396	1
HM13-AS1	HGC_27con	HGC_27004	OK	0.96608	1.63699	0.760838	0.776
ATF5	HGC_27con	HGC_27004	OK	88.6846	150.307	0.761161	0.0126
LOC440600	HGC_27con	HGC_27004	NOTEST	0.09966	0.16907	0.762472	1
LGI3	HGC_27con	HGC_27004	OK	0.65659	1.11512	0.764137	0.2307
STEAP2	HGC_27con	HGC_27004	OK	0.43482	0.73854	0.764252	0.1783
DDX60L	HGC_27con	HGC_27004	OK	0.40514	0.68813	0.764258	0.1339
PDZK1	HGC_27con	HGC_27004	NOTEST	0.10442	0.17737	0.764389	1
CHRND	HGC_27con	HGC_27004	NOTEST	0.06953	0.11811	0.764427	1
LINC01260	HGC_27con	HGC_27004	NOTEST	0.09416	0.15998	0.764749	1
TERC	HGC_27con	HGC_27004	OK	1.6684	2.83508	0.764922	0.4121
KLF4	HGC_27con	HGC_27004	OK	3.29499	5.60549	0.766567	0.053
COL15A1	HGC_27con	HGC_27004	OK	33.014	56.1817	0.767021	0.0041
LOC101930452	HGC_27con	HGC_27004	NOTEST	0.14528	0.24728	0.767301	1
AMBP	HGC_27con	HGC_27004	NOTEST	0.12556	0.21373	0.767415	1
KCTD12	HGC_27con	HGC_27004	OK	2.44198	4.15902	0.768191	0.0297
ITGA6	HGC_27con	HGC_27004	OK	4.16906	7.10353	0.768814	0.0111
LOC100506258	HGC_27con	HGC_27004	NOTEST	0.08422	0.1436	0.769769	1
HS3ST3A1	HGC_27con	HGC_27004	OK	3.85716	6.57805	0.770122	0.0321
LOC101929660	HGC_27con	HGC_27004	NOTEST	0.04863	0.08301	0.771535	1
PPP4R1L	HGC_27con	HGC_27004	OK	1.07593	1.83675	0.771566	0.1775
ESR2	HGC_27con	HGC_27004	NOTEST	0.13381	0.22862	0.772721	1
ZSWIM5	HGC_27con	HGC_27004	NOTEST	0.10873	0.18577	0.772773	1
CBFA2T3	HGC_27con	HGC_27004	OK	1.40406	2.39925	0.772984	0.0999
CAMK1	HGC_27con	HGC_27004	OK	0.26221	0.44823	0.773536	0.4888
CORO1A	HGC_27con	HGC_27004	OK	2.03235	3.47622	0.774372	0.1359
MURC	HGC_27con	HGC_27004	OK	0.59836	1.02379	0.774827	0.178
TCEA3	HGC_27con	HGC_27004	NOTEST	0.11482	0.19661	0.776032	1
GDF7	HGC_27con	HGC_27004	NOTEST	0.03684	0.0631	0.776396	1
LRRK2	HGC_27con	HGC_27004	OK	0.61618	1.05549	0.776494	0.0728
LRRC3	HGC_27con	HGC_27004	OK	2.23345	3.82643	0.776723	0.1089
KCCAT198	HGC_27con	HGC_27004	OK	0.33516	0.57445	0.777362	0.4927
LINC01356	HGC_27con	HGC_27004	OK	0.41878	0.71835	0.77848	0.3303
ASTN1	HGC_27con	HGC_27004	OK	2.10152	3.60499	0.778566	0.0355
C2orf88	HGC_27con	HGC_27004	OK	1.80013	3.09015	0.779577	0.0472
STAM-AS1	HGC_27con	HGC_27004	OK	0.25642	0.44029	0.779929	0.2955
CFAP43	HGC_27con	HGC_27004	NOTEST	0.01295	0.02224	0.779986	1
ADD3-AS1	HGC_27con	HGC_27004	NOTEST	0.13478	0.23156	0.780795	1
LOC100130357	HGC_27con	HGC_27004	NOTEST	0.12031	0.20674	0.781066	1
CPXM1	HGC_27con	HGC_27004	NOTEST	0.06245	0.10731	0.781088	1
PTPRD	HGC_27con	HGC_27004	OK	3.62999	6.24124	0.781867	0.0073
CLDN24	HGC_27con	HGC_27004	OK	0.24849	0.4273	0.782049	0.5411
SLC25A24	HGC_27con	HGC_27004	OK	19.5074	33.5483	0.782221	0.0036
ZNF486	HGC_27con	HGC_27004	OK	1.15729	1.99203	0.78348	0.0835
LOC100130370	HGC_27con	HGC_27004	OK	0.2967	0.51073	0.783529	0.4651
LOC101927359	HGC_27con	HGC_27004	OK	0.89279	1.53688	0.783617	0.1699
NTRK2	HGC_27con	HGC_27004	OK	5.50962	9.48572	0.783806	0.0061
CHRDL1	HGC_27con	HGC_27004	NOTEST	0.04324	0.07445	0.783984	1
ECT2L	HGC_27con	HGC_27004	NOTEST	0.04142	0.07134	0.784443	1
HCG25	HGC_27con	HGC_27004	OK	0.76006	1.30928	0.78459	0.3816
ANKEF1	HGC_27con	HGC_27004	OK	0.31407	0.54146	0.785754	0.2796
DGKG	HGC_27con	HGC_27004	NOTEST	0.04436	0.07666	0.789147	1

NIPSNAP3B	HGC_27con	HGC_27004	OK	0.69621	1.20411	0.790372	0.1795
LACTB2-AS1	HGC_27con	HGC_27004	NOTEST	0.02901	0.05018	0.790419	1
FEZ1	HGC_27con	HGC_27004	OK	1.38484	2.39548	0.790595	0.1393
RALGPS2	HGC_27con	HGC_27004	OK	1.02849	1.7793	0.790777	0.063
ICAM1	HGC_27con	HGC_27004	OK	0.19875	0.344	0.791477	0.2975
SLC36A4	HGC_27con	HGC_27004	OK	1.06793	1.84881	0.79178	0.0648
RTN4RL2	HGC_27con	HGC_27004	OK	14.6443	25.3627	0.792367	0.0202
TMEM238	HGC_27con	HGC_27004	OK	0.21191	0.36711	0.792753	0.6602
EPB41L4A-AS2	HGC_27con	HGC_27004	OK	0.45965	0.79851	0.796786	0.3251
SNORD45A	HGC_27con	HGC_27004	OK	64.3064	111.723	0.796889	0.7484
NUDT4P1	HGC_27con	HGC_27004	OK	10.6232	18.4601	0.797197	0.0377
PTAFR	HGC_27con	HGC_27004	NOTEST	0.04199	0.07297	0.797279	1
LMCD1-AS1	HGC_27con	HGC_27004	NOTEST	0.06238	0.10842	0.797333	1
SLC16A7	HGC_27con	HGC_27004	OK	3.14578	5.46876	0.797796	0.0063
CHRNA7	HGC_27con	HGC_27004	OK	0.27907	0.48519	0.797945	0.2649
COL14A1	HGC_27con	HGC_27004	OK	3.13308	5.4601	0.801348	0.0088
UTF1	HGC_27con	HGC_27004	OK	0.28669	0.49996	0.802311	0.5738
ENO2	HGC_27con	HGC_27004	OK	12.0133	20.9536	0.802569	0.0089
PRKAA2	HGC_27con	HGC_27004	OK	1.60105	2.7975	0.805118	0.0198
IGIP	HGC_27con	HGC_27004	OK	2.0364	3.55851	0.805251	0.0777
LMNTD1	HGC_27con	HGC_27004	OK	0.26995	0.47175	0.805315	0.252
TMEFF2	HGC_27con	HGC_27004	OK	5.63106	9.84861	0.806512	0.0174
LOC101929340	HGC_27con	HGC_27004	OK	0.34198	0.59829	0.806911	0.5283
FAM90A25P	HGC_27con	HGC_27004	NOTEST	0.1036	0.18125	0.80696	1
APITD1-CORT	HGC_27con	HGC_27004	OK	0.8272	1.44862	0.808377	0.57
MIR5010	HGC_27con	HGC_27004	OK	4.00253	7.01116	0.808742	0.6814
SLC9A7	HGC_27con	HGC_27004	NOTEST	0.17396	0.30473	0.808802	1
BATF2	HGC_27con	HGC_27004	NOTEST	0.01883	0.03299	0.809397	1
CCDC148	HGC_27con	HGC_27004	NOTEST	0.09642	0.16898	0.809422	1
CPEB1-AS1	HGC_27con	HGC_27004	NOTEST	0.10166	0.17843	0.811564	1
MLLT4	HGC_27con	HGC_27004	OK	2.1516	3.77678	0.811748	0.0097
DNAH5	HGC_27con	HGC_27004	NOTEST	0.07227	0.12687	0.811815	1
FLJ27354	HGC_27con	HGC_27004	OK	0.24718	0.43456	0.81399	0.5185
CPO	HGC_27con	HGC_27004	OK	0.66222	1.16473	0.814607	0.2605
GLYCTK-AS1	HGC_27con	HGC_27004	NOTEST	0.15279	0.26903	0.816183	1
NEUROD1	HGC_27con	HGC_27004	OK	0.37191	0.65532	0.81725	0.2431
ANOS1	HGC_27con	HGC_27004	NOTEST	0.11625	0.2049	0.817675	1
MSTN	HGC_27con	HGC_27004	NOTEST	0.03447	0.06078	0.818126	1
TEX12	HGC_27con	HGC_27004	NOTEST	0.09995	0.17637	0.819337	1
HIST1H2AL	HGC_27con	HGC_27004	OK	0.19125	0.33754	0.819576	0.6591
FCAR	HGC_27con	HGC_27004	NOTEST	0.16405	0.28954	0.819652	1
LVRN	HGC_27con	HGC_27004	NOTEST	0.07507	0.1325	0.819687	1
FAM102B	HGC_27con	HGC_27004	OK	3.41222	6.02816	0.821008	0.0126
LRRC3B	HGC_27con	HGC_27004	OK	6.68895	11.8319	0.822826	0.0334
MUC4	HGC_27con	HGC_27004	NOTEST	0.11017	0.19507	0.824275	1
HIST1H2AK	HGC_27con	HGC_27004	OK	1.17624	2.08344	0.824781	0.4081
PLAC4	HGC_27con	HGC_27004	NOTEST	0.01295	0.02296	0.826643	1
PCDH10	HGC_27con	HGC_27004	OK	1.49491	2.65272	0.827412	0.0363
TMEM190	HGC_27con	HGC_27004	NOTEST	0.08517	0.15127	0.828711	1
NECAB2	HGC_27con	HGC_27004	OK	1.9358	3.43873	0.828947	0.1243
CCBE1	HGC_27con	HGC_27004	NOTEST	0.05074	0.09015	0.829125	1
BHLHE41	HGC_27con	HGC_27004	OK	4.37187	7.77696	0.830958	0.016
ZNF671	HGC_27con	HGC_27004	NOTEST	0.05654	0.1006	0.831299	1
KRTAP5-1	HGC_27con	HGC_27004	NOTEST	0.06964	0.12394	0.83168	1

ODF3B	HGC_27con	HGC_27004	OK	0.46182	0.82303	0.83361	0.4397
ITGA2	HGC_27con	HGC_27004	NOTEST	0.02742	0.0489	0.834728	1
CHRNA3	HGC_27con	HGC_27004	OK	0.25542	0.45571	0.83522	0.7028
LOC285593	HGC_27con	HGC_27004	NOTEST	0.03005	0.05363	0.835323	1
KCNQ4	HGC_27con	HGC_27004	NOTEST	0.04749	0.08483	0.836945	1
SEPT3	HGC_27con	HGC_27004	OK	4.84343	8.6565	0.837754	0.01
ARHGEF3	HGC_27con	HGC_27004	OK	2.75972	4.93512	0.838565	0.0206
SEMA6D	HGC_27con	HGC_27004	OK	0.46806	0.83764	0.839634	0.1327
SLC27A2	HGC_27con	HGC_27004	NOTEST	0.04377	0.07835	0.83996	1
IRX6	HGC_27con	HGC_27004	OK	2.16579	3.87703	0.840059	0.0726
NPAS3	HGC_27con	HGC_27004	OK	0.18065	0.32373	0.841588	0.2255
CA5B	HGC_27con	HGC_27004	OK	0.53365	0.95783	0.843864	0.1119
XKR7	HGC_27con	HGC_27004	NOTEST	0.01366	0.02454	0.845087	1
HDHD1	HGC_27con	HGC_27004	OK	2.91673	5.24175	0.845698	0.0447
PLA2R1	HGC_27con	HGC_27004	NOTEST	0.03145	0.05653	0.845819	1
SPAG6	HGC_27con	HGC_27004	NOTEST	0.04014	0.07216	0.846091	1
LCN2	HGC_27con	HGC_27004	OK	0.32716	0.58953	0.849566	0.4235
RPS15AP10	HGC_27con	HGC_27004	OK	0.29193	0.52618	0.849914	0.7294
GCNT1	HGC_27con	HGC_27004	OK	0.2054	0.37033	0.850391	0.2027
TMEM170B	HGC_27con	HGC_27004	OK	0.31128	0.56129	0.850516	0.138
TMOD1	HGC_27con	HGC_27004	OK	0.2118	0.38218	0.851519	0.7778
MRGBPRE	HGC_27con	HGC_27004	NOTEST	0.04295	0.07752	0.851714	1
EPHA8	HGC_27con	HGC_27004	OK	1.43558	2.5937	0.853372	0.1548
PPP1R3G	HGC_27con	HGC_27004	NOTEST	0.03238	0.05852	0.853796	1
ABI3BP	HGC_27con	HGC_27004	NOTEST	0.0273	0.0494	0.85547	1
FGD4	HGC_27con	HGC_27004	NOTEST	0.12388	0.22414	0.855488	1
SMIM10L2B	HGC_27con	HGC_27004	NOTEST	0.02278	0.04123	0.855757	1
CNTD2	HGC_27con	HGC_27004	NOTEST	0.05455	0.09875	0.856057	1
ADAM23	HGC_27con	HGC_27004	OK	2.81032	5.08845	0.856489	0.0099
ZNF788	HGC_27con	HGC_27004	OK	0.57998	1.05059	0.857119	0.1374
TCF7L1	HGC_27con	HGC_27004	NOTEST	0.17195	0.31149	0.857217	1
SLC1A3	HGC_27con	HGC_27004	OK	2.77077	5.01942	0.857236	0.0196
RAET1K	HGC_27con	HGC_27004	OK	0.22888	0.41475	0.857608	0.2938
PAPSS2	HGC_27con	HGC_27004	OK	0.39978	0.72494	0.858671	0.1629
SLC1A1	HGC_27con	HGC_27004	OK	0.60352	1.09447	0.858745	0.142
NACAD	HGC_27con	HGC_27004	OK	0.74649	1.35419	0.859227	0.0925
VMO1	HGC_27con	HGC_27004	OK	1.32083	2.39641	0.859423	0.2674
NR5A1	HGC_27con	HGC_27004	NOTEST	0.01301	0.02365	0.862731	1
SCARNA20	HGC_27con	HGC_27004	OK	5.9501	10.8402	0.865404	0.6737
PCAT1	HGC_27con	HGC_27004	OK	0.32662	0.59518	0.865722	0.235
LAMA4	HGC_27con	HGC_27004	NOTEST	0.05586	0.10179	0.865768	1
LHFPL4	HGC_27con	HGC_27004	NOTEST	0.01248	0.02275	0.866438	1
HIST1H4J	HGC_27con	HGC_27004	OK	0.28207	0.51473	0.867791	0.6591
LOC100133286	HGC_27con	HGC_27004	NOTEST	0.04084	0.07456	0.868233	1
C11orf94	HGC_27con	HGC_27004	OK	0.29991	0.54747	0.868274	0.6591
EPHX4	HGC_27con	HGC_27004	OK	0.2706	0.49415	0.86879	0.3547
POU5F1P3	HGC_27con	HGC_27004	NOTEST	0.02884	0.05267	0.869122	1
HIST1H2AM	HGC_27con	HGC_27004	OK	0.75	1.36994	0.869164	0.5012
LOC100506281	HGC_27con	HGC_27004	NOTEST	0.05262	0.0962	0.870378	1
GAREML	HGC_27con	HGC_27004	OK	1.72738	3.15962	0.871167	0.0572
PAQR8	HGC_27con	HGC_27004	OK	1.70366	3.11641	0.871248	0.0343
LZTS3	HGC_27con	HGC_27004	OK	2.71588	4.96903	0.871543	0.0174
SH3GL3	HGC_27con	HGC_27004	OK	0.39133	0.71607	0.871728	0.2259
LRTM2	HGC_27con	HGC_27004	NOTEST	0.01059	0.01938	0.872506	1

LGALS8-AS1	HGC_27con	HGC_27004	NOTEST	0.02855	0.05232	0.873645	1
EYA1	HGC_27con	HGC_27004	OK	2.62392	4.81447	0.875654	0.0167
DPEP1	HGC_27con	HGC_27004	NOTEST	0.02261	0.0415	0.876125	1
SLC16A9	HGC_27con	HGC_27004	OK	5.61724	10.3151	0.876828	0.007
PRSS50	HGC_27con	HGC_27004	NOTEST	0.03249	0.05972	0.878083	1
ZNF460	HGC_27con	HGC_27004	OK	0.59226	1.08857	0.878137	0.1323
TNFAIP8L3	HGC_27con	HGC_27004	NOTEST	0.11217	0.20637	0.879551	1
FOXL2	HGC_27con	HGC_27004	NOTEST	0.0182	0.0335	0.879672	1
C15orf59-AS1	HGC_27con	HGC_27004	OK	0.5181	0.95351	0.880031	0.3669
FGF2	HGC_27con	HGC_27004	NOTEST	0.02177	0.04006	0.880033	1
TMEM255B	HGC_27con	HGC_27004	NOTEST	0.09989	0.18388	0.880312	1
CFAP99	HGC_27con	HGC_27004	NOTEST	0.03176	0.0585	0.880929	1
LOC101559451	HGC_27con	HGC_27004	OK	0.3114	0.5737	0.881512	0.741
HIPK4	HGC_27con	HGC_27004	NOTEST	0.03401	0.0627	0.882474	1
ULBP1	HGC_27con	HGC_27004	NOTEST	0.04365	0.08052	0.883291	1
CYP3A5	HGC_27con	HGC_27004	NOTEST	0.09533	0.17586	0.883459	1
SLC6A17	HGC_27con	HGC_27004	NOTEST	0.01571	0.029	0.88412	1
LRRC25	HGC_27con	HGC_27004	NOTEST	0.05385	0.09943	0.884595	1
NRCAM	HGC_27con	HGC_27004	NOTEST	0.02418	0.04468	0.885484	1
HIST1H2BH	HGC_27con	HGC_27004	OK	0.67256	1.24283	0.885888	0.4936
SMCO2	HGC_27con	HGC_27004	NOTEST	0.1331	0.24602	0.886236	1
CCDC64	HGC_27con	HGC_27004	NOTEST	0.02039	0.03771	0.88712	1
SNORD10	HGC_27con	HGC_27004	OK	13.6834	25.3577	0.889992	0.7431
SLC35G3	HGC_27con	HGC_27004	NOTEST	0.01772	0.03284	0.890354	1
CTD-3080P12.3	HGC_27con	HGC_27004	NOTEST	0.0206	0.03819	0.890399	1
LINC00907	HGC_27con	HGC_27004	NOTEST	0.04422	0.082	0.891009	1
SULF1	HGC_27con	HGC_27004	OK	14.5282	26.9444	0.89113	0.0008
CERS1	HGC_27con	HGC_27004	OK	0.19398	0.35979	0.891234	0.3987
KRT17P5	HGC_27con	HGC_27004	NOTEST	0.01023	0.01898	0.891793	1
HCN4	HGC_27con	HGC_27004	NOTEST	0.05228	0.09703	0.892135	1
FGD3	HGC_27con	HGC_27004	NOTEST	0.00921	0.01712	0.893583	1
CCL27	HGC_27con	HGC_27004	NOTEST	0.15279	0.28391	0.893855	1
SLC11A1	HGC_27con	HGC_27004	NOTEST	0.06656	0.12382	0.895485	1
HTR6	HGC_27con	HGC_27004	NOTEST	0.03059	0.0569	0.895549	1
DLK2	HGC_27con	HGC_27004	OK	2.31182	4.30194	0.895957	0.3576
B4GALT6	HGC_27con	HGC_27004	OK	3.15746	5.8771	0.896341	0.0097
P2RY4	HGC_27con	HGC_27004	NOTEST	0.08782	0.16346	0.896374	1
SLC52A1	HGC_27con	HGC_27004	NOTEST	0.04075	0.07585	0.896407	1
MST1R	HGC_27con	HGC_27004	NOTEST	0.01838	0.03423	0.897081	1
RNF5	HGC_27con	HGC_27004	OK	0.47723	0.88875	0.897092	0.5939
CHRNA1	HGC_27con	HGC_27004	NOTEST	0.0392	0.07304	0.897777	1
GRIN3A	HGC_27con	HGC_27004	OK	3.29565	6.14455	0.898744	0.003
FUT6	HGC_27con	HGC_27004	NOTEST	0.0564	0.10517	0.898983	1
FAM131C	HGC_27con	HGC_27004	OK	2.55586	4.7685	0.899726	0.0843
ZNF483	HGC_27con	HGC_27004	OK	0.36748	0.68567	0.899856	0.1572
ZNF835	HGC_27con	HGC_27004	NOTEST	0.01552	0.02895	0.899977	1
CDCP2	HGC_27con	HGC_27004	NOTEST	0.02317	0.04328	0.901766	1
TNFRSF21	HGC_27con	HGC_27004	OK	1.1185	2.09013	0.902025	0.0715
PPL	HGC_27con	HGC_27004	NOTEST	0.02526	0.04727	0.903932	1
LOC100128531	HGC_27con	HGC_27004	NOTEST	0.04588	0.08586	0.904045	1
EMB	HGC_27con	HGC_27004	OK	3.61936	6.77367	0.904204	0.0079
MYBPC2	HGC_27con	HGC_27004	NOTEST	0.00754	0.01413	0.905001	1
LINC00574	HGC_27con	HGC_27004	NOTEST	0.04811	0.09011	0.905312	1
ROR1	HGC_27con	HGC_27004	OK	6.99813	13.1326	0.908115	0.0018

CD81-AS1	HGC_27con	HGC_27004	NOTEST	0.03198	0.06007	0.909292	1
IGDCC3	HGC_27con	HGC_27004	OK	0.44425	0.83475	0.909971	0.1303
SNORD21	HGC_27con	HGC_27004	OK	100.3	188.492	0.910182	0.7244
LOC103908605	HGC_27con	HGC_27004	OK	0.9888	1.85997	0.91153	0.3553
PELI2	HGC_27con	HGC_27004	NOTEST	0.04551	0.08568	0.912678	1
SCARA5	HGC_27con	HGC_27004	NOTEST	0.00785	0.01479	0.913301	1
SALL4	HGC_27con	HGC_27004	NOTEST	0.01936	0.03647	0.913444	1
FAM159B	HGC_27con	HGC_27004	NOTEST	0.08085	0.15231	0.913586	1
S100P	HGC_27con	HGC_27004	OK	0.50796	0.95722	0.91415	0.4033
RIMS2	HGC_27con	HGC_27004	OK	0.21275	0.401	0.914449	0.1539
LOC101241902	HGC_27con	HGC_27004	NOTEST	0.11245	0.21198	0.914684	1
SLCO2A1	HGC_27con	HGC_27004	NOTEST	0.01776	0.0335	0.915665	1
CDA	HGC_27con	HGC_27004	NOTEST	0.0455	0.08584	0.915855	1
MLLT4-AS1	HGC_27con	HGC_27004	NOTEST	0.04356	0.08229	0.917553	1
GSC	HGC_27con	HGC_27004	OK	0.38864	0.735	0.919307	0.3166
KCNJ5	HGC_27con	HGC_27004	NOTEST	0.02193	0.04148	0.919669	1
DUOX2	HGC_27con	HGC_27004	NOTEST	0.01139	0.02156	0.920036	1
C4orf26	HGC_27con	HGC_27004	NOTEST	0.02255	0.0427	0.921266	1
ACOT4	HGC_27con	HGC_27004	NOTEST	0.02843	0.05384	0.921314	1
DSCR9	HGC_27con	HGC_27004	NOTEST	0.16665	0.31566	0.921557	1
FOXQ1	HGC_27con	HGC_27004	NOTEST	0.02876	0.05447	0.921672	1
TOX2	HGC_27con	HGC_27004	NOTEST	0.03157	0.05983	0.922384	1
C3orf52	HGC_27con	HGC_27004	OK	0.74665	1.41515	0.92244	0.1419
PARD3-AS1	HGC_27con	HGC_27004	OK	1.051	1.99213	0.92254	0.487
IRAIN	HGC_27con	HGC_27004	NOTEST	0.0352	0.06679	0.923838	1
SLC22A13	HGC_27con	HGC_27004	NOTEST	0.02954	0.0561	0.92538	1
RSPO4	HGC_27con	HGC_27004	NOTEST	0.12213	0.23201	0.925749	1
ADCY1	HGC_27con	HGC_27004	NOTEST	0.00277	0.00527	0.927593	1
TGM3	HGC_27con	HGC_27004	NOTEST	0.01203	0.0229	0.928378	1
HCG2040054	HGC_27con	HGC_27004	OK	0.19266	0.36678	0.928866	0.6845
APELA	HGC_27con	HGC_27004	OK	20.5803	39.2057	0.9298	0.0015
GPR84	HGC_27con	HGC_27004	NOTEST	0.05653	0.10778	0.930992	1
ATOH7	HGC_27con	HGC_27004	NOTEST	0.03986	0.07601	0.931082	1
LOC389247	HGC_27con	HGC_27004	NOTEST	0.15478	0.29528	0.931839	1
PDGFRL	HGC_27con	HGC_27004	OK	0.42355	0.80801	0.931847	0.1944
ORM2	HGC_27con	HGC_27004	NOTEST	0.15452	0.29481	0.931952	1
KCNS1	HGC_27con	HGC_27004	NOTEST	0.00775	0.01479	0.932854	1
NUTM1	HGC_27con	HGC_27004	NOTEST	0.01379	0.02633	0.933533	1
EIF4E3	HGC_27con	HGC_27004	OK	0.34251	0.65437	0.933949	0.1589
LINC01556	HGC_27con	HGC_27004	NOTEST	0.10596	0.20264	0.935466	1
LOC101929733	HGC_27con	HGC_27004	NOTEST	0.09424	0.1804	0.936702	1
ZHX2	HGC_27con	HGC_27004	NOTEST	0.00721	0.01379	0.936748	1
GPR161	HGC_27con	HGC_27004	OK	1.70199	3.25963	0.937486	0.0047
CTSW	HGC_27con	HGC_27004	NOTEST	0.02955	0.05662	0.938164	1
TMC2	HGC_27con	HGC_27004	NOTEST	0.01949	0.0374	0.940282	1
NME1-NME2	HGC_27con	HGC_27004	OK	5.06934	9.73267	0.941038	0.6624
HIST1H4D	HGC_27con	HGC_27004	OK	0.21861	0.41979	0.941312	0.6591
CD83	HGC_27con	HGC_27004	OK	0.25437	0.48862	0.941815	0.2054
AMDHD1	HGC_27con	HGC_27004	OK	0.37806	0.7265	0.942337	0.2033
TSSK4	HGC_27con	HGC_27004	OK	1.158	2.22549	0.942492	0.1497
SNORA17	HGC_27con	HGC_27004	OK	13.5788	26.099	0.942633	0.7447
DNAJC27-AS1	HGC_27con	HGC_27004	NOTEST	0.03494	0.06715	0.94268	1
LINC00311	HGC_27con	HGC_27004	NOTEST	0.03898	0.07492	0.942684	1
RASGRP1	HGC_27con	HGC_27004	NOTEST	0.12038	0.2314	0.94276	1

ADAM6	HGC_27con	HGC_27004	NOTEST	0.01869	0.03594	0.943015	1
LOC101927954	HGC_27con	HGC_27004	NOTEST	0.0091	0.0175	0.943438	1
PNPLA1	HGC_27con	HGC_27004	NOTEST	0.01332	0.02562	0.943958	1
RAPGEF4	HGC_27con	HGC_27004	OK	0.5623	1.08175	0.94397	0.0977
SNORA5A	HGC_27con	HGC_27004	OK	15.7356	30.2813	0.944397	0.7418
FBP1	HGC_27con	HGC_27004	NOTEST	0.02475	0.04765	0.944852	1
RFTN1	HGC_27con	HGC_27004	NOTEST	0.11303	0.21775	0.945963	1
ARHGAP26	HGC_27con	HGC_27004	OK	0.40469	0.77993	0.946539	0.0492
IL17RD	HGC_27con	HGC_27004	OK	0.69636	1.34234	0.946855	0.0227
MYF6	HGC_27con	HGC_27004	NOTEST	0.02483	0.04794	0.949177	1
NPIPB6	HGC_27con	HGC_27004	NOTEST	0.04793	0.09259	0.949953	1
AGPAT4-IT1	HGC_27con	HGC_27004	NOTEST	0.0464	0.08963	0.950029	1
LINC01006	HGC_27con	HGC_27004	NOTEST	0.04227	0.08166	0.95014	1
LOC221946	HGC_27con	HGC_27004	NOTEST	0.11203	0.21651	0.950537	1
DDX19B	HGC_27con	HGC_27004	NOTEST	0.01948	0.03765	0.950797	1
ZIC3	HGC_27con	HGC_27004	OK	1.7692	3.42144	0.95151	0.0385
ROPN1L-AS1	HGC_27con	HGC_27004	NOTEST	0.04948	0.09572	0.951919	1
ADAMTS9-AS1	HGC_27con	HGC_27004	NOTEST	0.03786	0.07324	0.951933	1
SNORA80E	HGC_27con	HGC_27004	OK	4.94961	9.57796	0.952402	0.6705
SNORA40	HGC_27con	HGC_27004	OK	30.5407	59.1998	0.954861	0.3936
IL16	HGC_27con	HGC_27004	NOTEST	0.01509	0.02926	0.955234	1
ADAMTS16	HGC_27con	HGC_27004	NOTEST	0.00637	0.01236	0.956552	1
SCGB2B3P	HGC_27con	HGC_27004	OK	1.66226	3.226	0.956603	0.6591
AACSP1	HGC_27con	HGC_27004	NOTEST	0.04652	0.0903	0.956842	1
CRYBA1	HGC_27con	HGC_27004	NOTEST	0.04681	0.09088	0.957181	1
FRMPD2	HGC_27con	HGC_27004	NOTEST	0.03089	0.05998	0.957555	1
LINC00367	HGC_27con	HGC_27004	NOTEST	0.05229	0.1016	0.95828	1
LOC101927620	HGC_27con	HGC_27004	NOTEST	0.08678	0.16866	0.958654	1
TPTE2	HGC_27con	HGC_27004	NOTEST	0.05466	0.10632	0.95975	1
WFDC8	HGC_27con	HGC_27004	NOTEST	0.02821	0.05492	0.961136	1
MIR4273	HGC_27con	HGC_27004	OK	23.771	46.2984	0.961759	0.6441
LINC01121	HGC_27con	HGC_27004	NOTEST	0.02828	0.05515	0.963411	1
LINC01429	HGC_27con	HGC_27004	NOTEST	0.01251	0.02439	0.963422	1
LBP	HGC_27con	HGC_27004	NOTEST	0.04042	0.07883	0.963632	1
FAM205A	HGC_27con	HGC_27004	NOTEST	0.00753	0.0147	0.964008	1
LOC283440	HGC_27con	HGC_27004	NOTEST	0.09322	0.18189	0.964351	1
FAM162B	HGC_27con	HGC_27004	OK	0.24933	0.48689	0.965527	0.395
CADPS2	HGC_27con	HGC_27004	NOTEST	0.14917	0.29134	0.965768	1
CA3-AS1	HGC_27con	HGC_27004	OK	1.10269	2.15384	0.965882	0.6397
ASB9P1	HGC_27con	HGC_27004	NOTEST	0.0457	0.0893	0.966605	1
DGKI	HGC_27con	HGC_27004	NOTEST	0.00617	0.01207	0.967835	1
ELSPBP1	HGC_27con	HGC_27004	NOTEST	0.02931	0.05732	0.967901	1
LINC01159	HGC_27con	HGC_27004	NOTEST	0.08705	0.1703	0.968135	1
CYFIP2	HGC_27con	HGC_27004	NOTEST	0.00992	0.01941	0.968457	1
CNKSR2	HGC_27con	HGC_27004	OK	0.42811	0.83781	0.968649	0.0747
MRAP	HGC_27con	HGC_27004	NOTEST	0.05809	0.11375	0.969614	1
NACA2	HGC_27con	HGC_27004	NOTEST	0.03816	0.07473	0.969658	1
CAPN14	HGC_27con	HGC_27004	NOTEST	0.01543	0.03022	0.969663	1
PCLO	HGC_27con	HGC_27004	OK	1.34155	2.62735	0.969702	0.0012
ZNF30-AS1	HGC_27con	HGC_27004	OK	0.46066	0.90282	0.97072	0.5412
LINC00202-2	HGC_27con	HGC_27004	NOTEST	0.00551	0.01079	0.970725	1
LOC101929448	HGC_27con	HGC_27004	NOTEST	0.08752	0.17167	0.972011	1
PARM1	HGC_27con	HGC_27004	OK	13.7907	27.0519	0.972029	0.0006
DPF1	HGC_27con	HGC_27004	OK	0.84807	1.66478	0.973073	0.0914

FAM45A	HGC_27con	HGC_27004	OK	0.72271	1.41995	0.97436	0.2781
CEACAM5	HGC_27con	HGC_27004	NOTEST	0.01851	0.03637	0.974594	1
C8orf86	HGC_27con	HGC_27004	NOTEST	0.02683	0.05281	0.976769	1
UBE2Q2L	HGC_27con	HGC_27004	NOTEST	0.09522	0.18769	0.978986	1
HULC	HGC_27con	HGC_27004	NOTEST	0.07868	0.1551	0.979039	1
ARR3	HGC_27con	HGC_27004	NOTEST	0.05178	0.10209	0.979226	1
AFAP1-AS1	HGC_27con	HGC_27004	NOTEST	0.00506	0.00999	0.980672	1
RALYL	HGC_27con	HGC_27004	OK	2.98968	5.90321	0.981512	0.0137
IGSF6	HGC_27con	HGC_27004	NOTEST	0.07321	0.14456	0.981597	1
IGSF11	HGC_27con	HGC_27004	NOTEST	0.02092	0.04131	0.981614	1
KCNE2	HGC_27con	HGC_27004	OK	0.64476	1.27347	0.98193	0.2374
LCP1	HGC_27con	HGC_27004	NOTEST	0.08344	0.16494	0.983163	1
FOXP2	HGC_27con	HGC_27004	OK	2.38355	4.71239	0.983346	0.0026
COL4A3	HGC_27con	HGC_27004	NOTEST	0.00338	0.00667	0.983669	1
LOC100506747	HGC_27con	HGC_27004	NOTEST	0.02035	0.04027	0.984547	1
IBSP	HGC_27con	HGC_27004	NOTEST	0.01267	0.02507	0.984721	1
ITPK1-AS1	HGC_27con	HGC_27004	NOTEST	0.00755	0.01495	0.98497	1
ZBTB8B	HGC_27con	HGC_27004	NOTEST	0.01604	0.03175	0.984971	1
FBXO40	HGC_27con	HGC_27004	NOTEST	0.00495	0.00982	0.986467	1
LINC01537	HGC_27con	HGC_27004	NOTEST	0.01358	0.0269	0.986618	1
PLAG1	HGC_27con	HGC_27004	OK	0.89379	1.77178	0.987183	0.0223
NELL1	HGC_27con	HGC_27004	NOTEST	0.01063	0.02108	0.987313	1
ZNF341-AS1	HGC_27con	HGC_27004	NOTEST	0.06459	0.12832	0.990294	1
LINC01494	HGC_27con	HGC_27004	NOTEST	0.04639	0.09215	0.990301	1
LOC102724933	HGC_27con	HGC_27004	NOTEST	0.14392	0.28616	0.991486	1
NOSTRIN	HGC_27con	HGC_27004	OK	0.19402	0.38584	0.991824	0.2066
DDX60	HGC_27con	HGC_27004	OK	0.16534	0.32926	0.993764	0.133
FAM196A	HGC_27con	HGC_27004	NOTEST	0.00782	0.01557	0.994757	1
ARAP3	HGC_27con	HGC_27004	OK	0.5872	1.17035	0.995021	0.0638
STK39	HGC_27con	HGC_27004	OK	4.71249	9.39337	0.995153	0.0036
UBAP1L	HGC_27con	HGC_27004	OK	0.18911	0.37722	0.996176	0.4114
HS6ST3	HGC_27con	HGC_27004	NOTEST	0.00394	0.00786	0.997713	1
ILDR2	HGC_27con	HGC_27004	NOTEST	0.00774	0.01546	0.998975	1
GRAMD1C	HGC_27con	HGC_27004	NOTEST	0.02296	0.04593	1.00035	1
LOC100507073	HGC_27con	HGC_27004	OK	0.18848	0.37714	1.00069	0.3863
FAXC	HGC_27con	HGC_27004	OK	0.17499	0.35044	1.00194	0.103
LINC01549	HGC_27con	HGC_27004	NOTEST	0.09586	0.19205	1.00239	1
TUBB2B	HGC_27con	HGC_27004	OK	19.3668	38.8067	1.00272	0.0009
EBF3	HGC_27con	HGC_27004	NOTEST	0.00847	0.01697	1.00273	1
LINC01489	HGC_27con	HGC_27004	NOTEST	0.05675	0.11388	1.00476	1
NUDT11	HGC_27con	HGC_27004	NOTEST	0.01642	0.03296	1.0048	1
MIR573	HGC_27con	HGC_27004	OK	13.0711	26.2304	1.00486	0.4727
HSP90AB4P	HGC_27con	HGC_27004	NOTEST	0.00799	0.01604	1.00507	1
VSIG1	HGC_27con	HGC_27004	NOTEST	0.0902	0.1811	1.00563	1
HP09053	HGC_27con	HGC_27004	NOTEST	0.05119	0.10283	1.00637	1
OSTN	HGC_27con	HGC_27004	OK	0.3968	0.79716	1.00645	0.4188
PRKD1	HGC_27con	HGC_27004	OK	2.94607	5.92632	1.00834	0.0041
LOC643623	HGC_27con	HGC_27004	NOTEST	0.01993	0.04013	1.00937	1
USP32P1	HGC_27con	HGC_27004	NOTEST	0.07669	0.15454	1.01081	1
TF2H2C,GTF2H2C_	HGC_27con	HGC_27004	NOTEST	0.09283	0.18713	1.01143	1
RNVU1-8	HGC_27con	HGC_27004	OK	2.89083	5.82986	1.01198	0.4727
LOC101927623	HGC_27con	HGC_27004	NOTEST	0.01403	0.0283	1.01254	1
RALGPS1	HGC_27con	HGC_27004	OK	1.75067	3.53513	1.01386	0.1179
TRPM6	HGC_27con	HGC_27004	NOTEST	0.02383	0.04814	1.01433	1

LOC101927560	HGC_27con	HGC_27004	NOTEST	0.01911	0.03862	1.01473	1
FAM172BP	HGC_27con	HGC_27004	NOTEST	0.01491	0.03012	1.01482	1
PAUPAR	HGC_27con	HGC_27004	NOTEST	0.04607	0.0931	1.01512	1
HIST1H2BL	HGC_27con	HGC_27004	OK	0.79765	1.6123	1.0153	0.3312
EGF	HGC_27con	HGC_27004	OK	0.20371	0.41178	1.01538	0.1181
AK4	HGC_27con	HGC_27004	OK	5.15472	10.4282	1.01652	0.0006
EML6	HGC_27con	HGC_27004	OK	0.77136	1.56105	1.01703	0.0142
ADGRF2	HGC_27con	HGC_27004	NOTEST	0.00637	0.01289	1.01737	1
FRMD5	HGC_27con	HGC_27004	NOTEST	0.07418	0.15018	1.01759	1
ATRNL1	HGC_27con	HGC_27004	OK	2.64111	5.34735	1.01768	0.0357
BBOX1	HGC_27con	HGC_27004	NOTEST	0.01607	0.03256	1.01872	1
MPZL2	HGC_27con	HGC_27004	NOTEST	0.02545	0.05167	1.02172	1
LOC101929450	HGC_27con	HGC_27004	NOTEST	0.05193	0.10547	1.02215	1
DBX2	HGC_27con	HGC_27004	NOTEST	0.045	0.09143	1.02279	1
GCSAM	HGC_27con	HGC_27004	OK	0.20981	0.42636	1.02301	0.1591
LOC100505736	HGC_27con	HGC_27004	NOTEST	0.02639	0.05364	1.02316	1
LOC101929577	HGC_27con	HGC_27004	NOTEST	0.00786	0.016	1.02542	1
DPH6-AS1	HGC_27con	HGC_27004	NOTEST	0.04711	0.09596	1.02645	1
RTEL1-TNFRSF6B	HGC_27con	HGC_27004	OK	0.16698	0.34027	1.02701	0.5479
PTX4	HGC_27con	HGC_27004	OK	0.22063	0.44971	1.02735	0.2906
STC1	HGC_27con	HGC_27004	OK	2.31552	4.72017	1.0275	0.0079
DIO2	HGC_27con	HGC_27004	NOTEST	0.00484	0.00988	1.02855	1
CCAT2	HGC_27con	HGC_27004	NOTEST	0.06534	0.13343	1.03009	1
TVP23C-CDRT4	HGC_27con	HGC_27004	OK	0.3266	0.66723	1.03064	0.3196
RRAGD	HGC_27con	HGC_27004	OK	4.5727	9.34963	1.03186	0.0017
CD36	HGC_27con	HGC_27004	NOTEST	0.12238	0.25046	1.03319	1
SERPINB1	HGC_27con	HGC_27004	NOTEST	0.01303	0.02667	1.03368	1
RASSF6	HGC_27con	HGC_27004	NOTEST	0.0049	0.01003	1.03434	1
IMPG1	HGC_27con	HGC_27004	NOTEST	0.00895	0.01833	1.03441	1
AKT3	HGC_27con	HGC_27004	OK	0.51602	1.05698	1.03445	0.1295
CFHR1	HGC_27con	HGC_27004	NOTEST	0.02318	0.04751	1.03503	1
TAS2R30	HGC_27con	HGC_27004	NOTEST	0.04635	0.095	1.0354	1
NSG1	HGC_27con	HGC_27004	OK	2.38278	4.88716	1.03635	0.1029
MAP3K15	HGC_27con	HGC_27004	OK	1.41282	2.89776	1.03636	0.1674
ST6GAL2	HGC_27con	HGC_27004	NOTEST	0.01131	0.0232	1.03662	1
LOC101927394	HGC_27con	HGC_27004	NOTEST	0.01323	0.02715	1.03672	1
ZFP3	HGC_27con	HGC_27004	NOTEST	0.01335	0.02742	1.0391	1
C11orf53	HGC_27con	HGC_27004	OK	1.42029	2.91969	1.03963	0.1183
TIGD4	HGC_27con	HGC_27004	NOTEST	0.08209	0.16879	1.03997	1
CA4	HGC_27con	HGC_27004	OK	0.32172	0.66164	1.04025	0.2343
APBA1	HGC_27con	HGC_27004	NOTEST	0.07373	0.15166	1.04038	1
OTOGL	HGC_27con	HGC_27004	NOTEST	0.00371	0.00764	1.04082	1
SNORA12	HGC_27con	HGC_27004	OK	7.16118	14.7377	1.04124	0.6562
LINC01351	HGC_27con	HGC_27004	OK	3.30857	6.82527	1.04468	0.0475
LOC643711	HGC_27con	HGC_27004	NOTEST	0.01369	0.02825	1.04505	1
TRHDE	HGC_27con	HGC_27004	NOTEST	0.0065	0.01341	1.04549	1
C11orf70	HGC_27con	HGC_27004	NOTEST	0.03305	0.06824	1.04609	1
TRPC3	HGC_27con	HGC_27004	OK	0.3878	0.80099	1.04645	0.1145
CCDC169-SOHLH2	HGC_27con	HGC_27004	OK	0.97099	2.00617	1.04692	0.0835
LOC101927571	HGC_27con	HGC_27004	OK	0.33355	0.68927	1.04716	0.4665
TFPI2	HGC_27con	HGC_27004	NOTEST	0.08454	0.17481	1.04803	1
SDS	HGC_27con	HGC_27004	OK	0.24537	0.50741	1.04816	0.2361
FGF12	HGC_27con	HGC_27004	OK	0.17536	0.36284	1.04899	0.1264
TRIML2	HGC_27con	HGC_27004	OK	0.18	0.37253	1.0494	0.2245

LOC653653	HGC_27con	HGC_27004	OK	0.21328	0.44182	1.05072	0.3218
DLEU7	HGC_27con	HGC_27004	NOTEST	0.06339	0.13133	1.05075	1
MIR7-1	HGC_27con	HGC_27004	OK	6.7371	13.9609	1.0512	0.5993
LINC00862	HGC_27con	HGC_27004	NOTEST	0.0287	0.05956	1.05318	1
CHRM4	HGC_27con	HGC_27004	OK	0.95727	1.98687	1.0535	0.1093
MLLT11	HGC_27con	HGC_27004	OK	10.3329	21.4638	1.05466	0.0005
QRFP	HGC_27con	HGC_27004	OK	1.25385	2.60596	1.05545	0.2995
MRS2P2	HGC_27con	HGC_27004	NOTEST	0.01238	0.02576	1.05746	1
FAM27L	HGC_27con	HGC_27004	OK	0.27705	0.57732	1.05921	0.3655
SMC1B	HGC_27con	HGC_27004	NOTEST	0.01551	0.03242	1.06327	1
LOC101929633	HGC_27con	HGC_27004	NOTEST	0.10778	0.22541	1.06439	1
FAM71E1	HGC_27con	HGC_27004	OK	0.39263	0.82111	1.0644	0.7069
EFCAB14-AS1	HGC_27con	HGC_27004	NOTEST	0.11335	0.23714	1.06496	1
DSG1	HGC_27con	HGC_27004	NOTEST	0.00425	0.00889	1.06531	1
ABCA10	HGC_27con	HGC_27004	NOTEST	0.01948	0.04078	1.06591	1
SMCO3	HGC_27con	HGC_27004	NOTEST	0.01551	0.03252	1.06784	1
LOC101927406	HGC_27con	HGC_27004	NOTEST	0.14428	0.30254	1.06822	1
GPR160	HGC_27con	HGC_27004	OK	0.53248	1.11785	1.06994	0.1379
CFHR3	HGC_27con	HGC_27004	NOTEST	0.02011	0.04226	1.07113	1
CACNB4	HGC_27con	HGC_27004	NOTEST	0.1213	0.25499	1.07185	1
ARMCX4	HGC_27con	HGC_27004	NOTEST	0.07477	0.15725	1.07255	1
HIST1H4I	HGC_27con	HGC_27004	OK	0.64679	1.36046	1.07272	0.6401
ISPD	HGC_27con	HGC_27004	NOTEST	0.00635	0.01336	1.07283	1
IFI27	HGC_27con	HGC_27004	OK	1.24697	2.62408	1.07339	0.1843
SESTD1	HGC_27con	HGC_27004	OK	0.87451	1.84243	1.07506	0.0062
ZNF98	HGC_27con	HGC_27004	NOTEST	0.01228	0.02589	1.07674	1
DNAJC5G	HGC_27con	HGC_27004	NOTEST	0.02937	0.06198	1.07757	1
PTPN6	HGC_27con	HGC_27004	NOTEST	0.04204	0.08886	1.07985	1
PMP2	HGC_27con	HGC_27004	NOTEST	0.00785	0.0166	1.08019	1
SLITRK4	HGC_27con	HGC_27004	NOTEST	0.00807	0.01707	1.08069	1
FERMT3	HGC_27con	HGC_27004	NOTEST	0.14251	0.30148	1.08105	1
SNORA9	HGC_27con	HGC_27004	OK	29.6185	62.7299	1.08265	0.6722
DCHS1	HGC_27con	HGC_27004	OK	1.24099	2.63556	1.08661	0.0024
BIRC6-AS2	HGC_27con	HGC_27004	NOTEST	0.07662	0.16272	1.08667	1
ZDBF2	HGC_27con	HGC_27004	OK	0.60264	1.28265	1.08976	0.0084
RPS6KA6	HGC_27con	HGC_27004	OK	0.39604	0.84299	1.08986	0.0397
TP53TG5	HGC_27con	HGC_27004	OK	0.30526	0.65016	1.09078	0.6329
SNORA72	HGC_27con	HGC_27004	OK	23.9174	50.9462	1.09091	0.6555
HFM1	HGC_27con	HGC_27004	NOTEST	0.00549	0.01169	1.0917	1
SNORD28	HGC_27con	HGC_27004	OK	26.4345	56.5495	1.09709	0.6045
ACKR4	HGC_27con	HGC_27004	NOTEST	0.0902	0.19311	1.09824	1
MAGEC3	HGC_27con	HGC_27004	NOTEST	0.01493	0.03199	1.09934	1
PCAT6	HGC_27con	HGC_27004	OK	0.45071	0.96809	1.10293	0.3244
GGT8P	HGC_27con	HGC_27004	NOTEST	0.03616	0.07771	1.10375	1
MDK	HGC_27con	HGC_27004	OK	72.79	156.465	1.10403	5E-05
ARAP2	HGC_27con	HGC_27004	OK	0.33686	0.72507	1.10595	0.0383
PCDHAC2	HGC_27con	HGC_27004	OK	0.16542	0.35632	1.10703	0.7032
ZNF492	HGC_27con	HGC_27004	OK	0.20484	0.44156	1.1081	0.1167
DYX1C1-CCPG1	HGC_27con	HGC_27004	NOTEST	0.13149	0.28503	1.11613	1
LINC01063	HGC_27con	HGC_27004	OK	0.36817	0.79865	1.11718	0.4381
OVOL1	HGC_27con	HGC_27004	NOTEST	0.03896	0.08456	1.11797	1
ZKSCAN7	HGC_27con	HGC_27004	NOTEST	0.02247	0.04877	1.1182	1
LRRIQ3	HGC_27con	HGC_27004	NOTEST	0.04139	0.08997	1.12031	1
BLNK	HGC_27con	HGC_27004	NOTEST	0.06827	0.14852	1.12123	1

MYT1	HGC_27con	HGC_27004	NOTEST	0.06783	0.14768	1.12238	1
MATN4	HGC_27con	HGC_27004	NOTEST	0.14646	0.31919	1.12387	1
GOLGA6L17P	HGC_27con	HGC_27004	NOTEST	0.03262	0.07116	1.12529	1
SCGB1B2P	HGC_27con	HGC_27004	OK	0.98007	2.14214	1.1281	0.2062
TTL13P	HGC_27con	HGC_27004	NOTEST	0.0463	0.10124	1.12853	1
ESRP1	HGC_27con	HGC_27004	OK	4.7163	10.3484	1.13368	0.0008
AMN	HGC_27con	HGC_27004	OK	0.18169	0.39874	1.13398	0.3524
TMEFF1	HGC_27con	HGC_27004	OK	2.16337	4.74898	1.13434	0.2148
ABLIM2	HGC_27con	HGC_27004	NOTEST	0.06942	0.15285	1.13861	1
DACT1	HGC_27con	HGC_27004	OK	1.68503	3.71458	1.14042	0.0103
SUSD4	HGC_27con	HGC_27004	OK	0.26982	0.59541	1.14192	0.1932
LINC00942	HGC_27con	HGC_27004	NOTEST	0.05141	0.11347	1.14216	1
SCARNA15	HGC_27con	HGC_27004	OK	8.02297	17.7443	1.14515	0.6048
PRDM9	HGC_27con	HGC_27004	NOTEST	0.01521	0.03367	1.14603	1
MYO3B	HGC_27con	HGC_27004	NOTEST	0.01917	0.04243	1.14616	1
RIC3	HGC_27con	HGC_27004	NOTEST	0.0296	0.06559	1.14768	1
VWDE	HGC_27con	HGC_27004	NOTEST	0.0263	0.05833	1.14908	1
ATP6V1B1-AS1	HGC_27con	HGC_27004	OK	0.23142	0.51357	1.15002	0.5144
RNF175	HGC_27con	HGC_27004	OK	1.3133	2.92487	1.15518	0.0619
PRR26	HGC_27con	HGC_27004	NOTEST	0.03875	0.08632	1.15548	1
LEPR	HGC_27con	HGC_27004	OK	1.43146	3.20373	1.16227	0.0678
NAP1L2	HGC_27con	HGC_27004	NOTEST	0.04604	0.10317	1.16421	1
LPCAT2	HGC_27con	HGC_27004	OK	0.88927	1.99784	1.16775	0.0146
GOLGA8H	HGC_27con	HGC_27004	NOTEST	0.07692	0.17323	1.17128	1
GEM	HGC_27con	HGC_27004	OK	0.35138	0.79368	1.17551	0.1071
LINC01399	HGC_27con	HGC_27004	OK	0.14872	0.33661	1.17843	0.3865
MEF2BNB-MEF2B	HGC_27con	HGC_27004	OK	1.42685	3.23027	1.17882	0.5835
SLAIN1	HGC_27con	HGC_27004	OK	1.22345	2.77154	1.17973	0.0249
GRAMD1B	HGC_27con	HGC_27004	NOTEST	0.03639	0.08247	1.18025	1
KIF5C	HGC_27con	HGC_27004	NOTEST	0.01782	0.0404	1.18087	1
LINC01117	HGC_27con	HGC_27004	OK	0.14866	0.3376	1.18332	0.4287
TMEM75	HGC_27con	HGC_27004	OK	0.32935	0.74829	1.18398	0.2011
FGF19	HGC_27con	HGC_27004	OK	0.49615	1.1329	1.19118	0.1026
KCP	HGC_27con	HGC_27004	NOTEST	0.06347	0.14507	1.19246	1
SNORD104	HGC_27con	HGC_27004	OK	235.225	537.818	1.19307	0.3377
WNT2	HGC_27con	HGC_27004	NOTEST	0.03555	0.0814	1.1952	1
MARK1	HGC_27con	HGC_27004	NOTEST	0.05907	0.13543	1.19703	1
CPA2	HGC_27con	HGC_27004	NOTEST	0.07461	0.17117	1.19806	1
ANXA2P1	HGC_27con	HGC_27004	NOTEST	0.13355	0.30641	1.19813	1
LINC01207	HGC_27con	HGC_27004	NOTEST	0.03957	0.09098	1.20101	1
LRRN3	HGC_27con	HGC_27004	OK	7.03619	16.2061	1.20367	0.0003
C10orf111	HGC_27con	HGC_27004	NOTEST	0.06853	0.15811	1.2062	1
C1orf115	HGC_27con	HGC_27004	NOTEST	0.10488	0.24219	1.20732	1
SPIB	HGC_27con	HGC_27004	NOTEST	0.01915	0.04436	1.21185	1
CCNB3	HGC_27con	HGC_27004	OK	0.16713	0.38909	1.21914	0.1705
CXCR4	HGC_27con	HGC_27004	NOTEST	0.07919	0.18538	1.22701	1
PLIN5	HGC_27con	HGC_27004	OK	0.21251	0.49772	1.22785	0.1251
TNFRSF11A	HGC_27con	HGC_27004	OK	0.20332	0.47648	1.22865	0.0694
ADRA1A	HGC_27con	HGC_27004	NOTEST	0.06401	0.15025	1.23093	1
ALDH1A1	HGC_27con	HGC_27004	OK	4.34043	10.2052	1.23339	0.0012
GSDMA	HGC_27con	HGC_27004	NOTEST	0.05761	0.13569	1.23602	1
HAS2-AS1	HGC_27con	HGC_27004	OK	0.24647	0.58108	1.23734	0.2917
PRCAT47	HGC_27con	HGC_27004	NOTEST	0.03754	0.08863	1.23958	1
LMO7-AS1	HGC_27con	HGC_27004	OK	0.37541	0.88724	1.24083	0.6041

LOC284933	HGC_27con	HGC_27004	NOTEST	0.04849	0.11471	1.24222	1
OR7E156P	HGC_27con	HGC_27004	NOTEST	0.10828	0.25651	1.24427	1
GALNT13	HGC_27con	HGC_27004	OK	0.60861	1.4428	1.24528	0.0161
LUZP2	HGC_27con	HGC_27004	NOTEST	0.02018	0.04786	1.24623	1
SNORA71B	HGC_27con	HGC_27004	OK	8.03141	19.1147	1.25096	0.6329
DQX1	HGC_27con	HGC_27004	NOTEST	0.04961	0.11824	1.25311	1
PRKCQ	HGC_27con	HGC_27004	OK	0.78896	1.89369	1.26318	0.0189
SNORD12B	HGC_27con	HGC_27004	OK	81.0386	194.814	1.26542	0.6532
ZNF597	HGC_27con	HGC_27004	NOTEST	0.03332	0.08012	1.26566	1
SNORA16A	HGC_27con	HGC_27004	OK	23.7895	57.2851	1.26784	0.5823
GABRR2	HGC_27con	HGC_27004	NOTEST	0.03402	0.08195	1.26827	1
GFI1	HGC_27con	HGC_27004	OK	0.9971	2.40505	1.27025	0.0221
TPD52L1	HGC_27con	HGC_27004	OK	0.15859	0.3826	1.27051	0.1628
CA8	HGC_27con	HGC_27004	NOTEST	0.07423	0.17935	1.27265	1
ZNF677	HGC_27con	HGC_27004	NOTEST	0.04665	0.11289	1.27487	1
PRDM1	HGC_27con	HGC_27004	NOTEST	0.03653	0.08848	1.27607	1
CLMN	HGC_27con	HGC_27004	OK	0.38103	0.92385	1.27777	0.0078
LOC728095	HGC_27con	HGC_27004	NOTEST	0.08609	0.20876	1.27796	1
CSPG5	HGC_27con	HGC_27004	OK	0.28007	0.68042	1.28063	0.0834
FAM72D	HGC_27con	HGC_27004	NOTEST	0.0002	0.00048	1.28201	1
OR1F2P	HGC_27con	HGC_27004	NOTEST	0.11914	0.28989	1.28285	1
KCNJ6	HGC_27con	HGC_27004	NOTEST	0.0235	0.05731	1.28597	1
JPH4	HGC_27con	HGC_27004	NOTEST	0.05395	0.13234	1.29455	1
KBTBD12	HGC_27con	HGC_27004	NOTEST	0.03602	0.08868	1.30003	1
MAP6D1	HGC_27con	HGC_27004	OK	0.41765	1.03077	1.30336	0.0817
FCRLA	HGC_27con	HGC_27004	NOTEST	0.04527	0.11181	1.30452	1
PNMA3	HGC_27con	HGC_27004	NOTEST	0.02272	0.05633	1.31	1
DMP1	HGC_27con	HGC_27004	NOTEST	0.01675	0.04159	1.31203	1
PALM3	HGC_27con	HGC_27004	OK	6.62128	16.4422	1.31222	5E-05
TBX4	HGC_27con	HGC_27004	NOTEST	0.04352	0.10834	1.31579	1
B3GNT6	HGC_27con	HGC_27004	NOTEST	0.07214	0.1797	1.31673	1
RPS26P11	HGC_27con	HGC_27004	OK	0.20386	0.50787	1.31686	0.3782
TRIM39-RPP21	HGC_27con	HGC_27004	OK	0.46164	1.15207	1.31941	0.5089
C3orf70	HGC_27con	HGC_27004	NOTEST	0.11374	0.2843	1.32174	1
TOX	HGC_27con	HGC_27004	OK	1.04901	2.629	1.32549	0.0077
TMEM74	HGC_27con	HGC_27004	NOTEST	0.09909	0.24841	1.32583	1
S1PR1	HGC_27con	HGC_27004	OK	0.20417	0.51233	1.3273	0.0939
SLC19A3	HGC_27con	HGC_27004	NOTEST	0.02001	0.05023	1.32792	1
ARMC4	HGC_27con	HGC_27004	NOTEST	0.02232	0.0561	1.32935	1
C6orf52	HGC_27con	HGC_27004	NOTEST	0.09391	0.2361	1.32997	1
LMO3	HGC_27con	HGC_27004	OK	0.15785	0.39705	1.33077	0.0658
SLIT1	HGC_27con	HGC_27004	OK	0.13904	0.3498	1.331	0.3889
CYP2A7	HGC_27con	HGC_27004	NOTEST	0.0339	0.08555	1.33567	1
DCHS2	HGC_27con	HGC_27004	OK	0.51936	1.31132	1.33621	0.0118
HMGA2	HGC_27con	HGC_27004	OK	2.81811	7.11592	1.33632	0.001
PTGFR	HGC_27con	HGC_27004	OK	0.20817	0.52593	1.33713	0.0438
RET	HGC_27con	HGC_27004	NOTEST	0.01282	0.03242	1.33881	1
ONECUT1	HGC_27con	HGC_27004	OK	0.22251	0.56345	1.34042	0.1059
AHCTF1P1	HGC_27con	HGC_27004	NOTEST	0.03522	0.08955	1.34643	1
PLA2G4A	HGC_27con	HGC_27004	OK	0.31719	0.8083	1.34955	0.0478
KCNIP4	HGC_27con	HGC_27004	OK	1.15295	2.94052	1.35075	0.0186
KIRREL3	HGC_27con	HGC_27004	NOTEST	0.00918	0.02348	1.35452	1
ARFGEF3	HGC_27con	HGC_27004	NOTEST	0.08854	0.22705	1.3586	1
CCSER1	HGC_27con	HGC_27004	NOTEST	0.06261	0.16055	1.35867	1

CACHD1	HGC_27con	HGC_27004	OK	0.34029	0.8733	1.35972	0.0191
FAIM2	HGC_27con	HGC_27004	OK	0.17662	0.45434	1.36308	0.0592
ANKRD65	HGC_27con	HGC_27004	NOTEST	0.01857	0.04812	1.37351	1
KCNJ11	HGC_27con	HGC_27004	NOTEST	0.10991	0.28483	1.3738	1
NKAIN1	HGC_27con	HGC_27004	OK	1.14391	2.97834	1.38053	0.0169
FXYD6	HGC_27con	HGC_27004	OK	2.74533	7.14838	1.38064	0.0043
FAAH2	HGC_27con	HGC_27004	NOTEST	0.05034	0.13204	1.39129	1
FAM19A2	HGC_27con	HGC_27004	NOTEST	0.02497	0.06584	1.39878	1
GPRASP2	HGC_27con	HGC_27004	OK	1.61974	4.27358	1.39969	0.0426
FN1	HGC_27con	HGC_27004	OK	0.97188	2.5877	1.41281	0.0002
KLF3-AS1	HGC_27con	HGC_27004	NOTEST	0.09978	0.26617	1.41544	1
LPPR5	HGC_27con	HGC_27004	OK	0.51712	1.38656	1.42293	0.0177
ANKRD22	HGC_27con	HGC_27004	NOTEST	0.05933	0.15924	1.42441	1
PCBP2-OT1	HGC_27con	HGC_27004	OK	0.25709	0.69095	1.42631	0.5946
SNORD97	HGC_27con	HGC_27004	OK	8.44449	22.7415	1.42924	0.6058
DCAF12L2	HGC_27con	HGC_27004	NOTEST	0.10518	0.28327	1.42932	1
LPAR6	HGC_27con	HGC_27004	NOTEST	0.03077	0.08302	1.43199	1
SLC16A10	HGC_27con	HGC_27004	OK	0.35055	0.94817	1.43552	0.0463
KCNJ12,KCNJ18	HGC_27con	HGC_27004	NOTEST	0.01245	0.0337	1.43688	1
EXOC3L4	HGC_27con	HGC_27004	NOTEST	0.02187	0.05928	1.43848	1
HMGCLL1	HGC_27con	HGC_27004	OK	0.29311	0.79446	1.43853	0.0452
CCDC81	HGC_27con	HGC_27004	NOTEST	0.00925	0.02513	1.4415	1
TMEM204	HGC_27con	HGC_27004	NOTEST	0.06525	0.17724	1.44159	1
MGC45922	HGC_27con	HGC_27004	NOTEST	0.06671	0.18141	1.44318	1
C19orf80	HGC_27con	HGC_27004	NOTEST	0.04479	0.12192	1.44479	1
LOC389895	HGC_27con	HGC_27004	NOTEST	0.06457	0.17631	1.44928	1
LOC100507053	HGC_27con	HGC_27004	NOTEST	0.01807	0.04934	1.44939	1
SLC25A30-AS1	HGC_27con	HGC_27004	NOTEST	0.06934	0.18941	1.44967	1
UGT1A7	HGC_27con	HGC_27004	NOTEST	0.08596	0.23531	1.45273	1
NDST3	HGC_27con	HGC_27004	NOTEST	0.06821	0.18697	1.45469	1
ABI3	HGC_27con	HGC_27004	NOTEST	0.01746	0.04799	1.45857	1
LOC644145	HGC_27con	HGC_27004	OK	0.22883	0.62903	1.45882	0.3737
KCNK7	HGC_27con	HGC_27004	NOTEST	0.0936	0.2574	1.45939	1
DUSP26	HGC_27con	HGC_27004	NOTEST	0.02276	0.06258	1.45943	1
ZAP70	HGC_27con	HGC_27004	NOTEST	0.02821	0.07786	1.46473	1
KCNK15	HGC_27con	HGC_27004	NOTEST	0.01811	0.05002	1.46555	1
GOLGA2P10	HGC_27con	HGC_27004	NOTEST	0.01026	0.02837	1.46785	1
RAB39B	HGC_27con	HGC_27004	OK	0.17214	0.47684	1.46991	0.0623
FAM131B	HGC_27con	HGC_27004	NOTEST	0.00762	0.02117	1.47325	1
PMS2P2	HGC_27con	HGC_27004	OK	0.59962	1.6652	1.47358	0.1086
ZNF534	HGC_27con	HGC_27004	NOTEST	0.0457	0.12742	1.47946	1
GADD45G	HGC_27con	HGC_27004	OK	0.3316	0.92819	1.48496	0.16
PCDHGB4	HGC_27con	HGC_27004	NOTEST	0.06391	0.17898	1.48571	1
SMTNL1	HGC_27con	HGC_27004	NOTEST	0.01315	0.03691	1.48872	1
C5orf66-AS2	HGC_27con	HGC_27004	NOTEST	0.01391	0.03909	1.49053	1
HIST1H4E	HGC_27con	HGC_27004	OK	0.59986	1.68725	1.49198	0.2824
LOC101927795	HGC_27con	HGC_27004	NOTEST	0.04998	0.1409	1.49521	1
SNORA7A	HGC_27con	HGC_27004	OK	2.5636	7.23728	1.49728	0.5739
LSMEM2	HGC_27con	HGC_27004	NOTEST	0.02512	0.07097	1.49834	1
HIST1H2BO	HGC_27con	HGC_27004	OK	0.36464	1.03391	1.50357	0.3572
LINC01058	HGC_27con	HGC_27004	NOTEST	0.09351	0.26665	1.51171	1
SMIM6	HGC_27con	HGC_27004	NOTEST	0.06151	0.17542	1.51195	1
LINC00552	HGC_27con	HGC_27004	NOTEST	0.01463	0.04175	1.51343	1
NHSL2	HGC_27con	HGC_27004	NOTEST	0.0089	0.02541	1.51393	1

SGK223	HGC_27con	HGC_27004	NOTEST	0.09347	0.26702	1.51443	1
KCNK2	HGC_27con	HGC_27004	OK	0.59472	1.70269	1.51753	0.0093
NRG1	HGC_27con	HGC_27004	OK	0.59599	1.71026	1.52086	0.0149
LOC102723968	HGC_27con	HGC_27004	NOTEST	0.0282	0.08112	1.52422	1
HAS2	HGC_27con	HGC_27004	OK	0.46169	1.33296	1.52963	0.0202
ITGA4	HGC_27con	HGC_27004	OK	9.52883	27.5506	1.53171	5E-05
MIR1304	HGC_27con	HGC_27004	OK	17.0346	49.2969	1.53303	0.4132
MIR7851	HGC_27con	HGC_27004	OK	3.6911	10.682	1.53305	0.5897
LOC541473	HGC_27con	HGC_27004	OK	0.17414	0.50609	1.5391	0.446
GLYATL1	HGC_27con	HGC_27004	NOTEST	0.01345	0.03914	1.54102	1
LINC00854	HGC_27con	HGC_27004	NOTEST	0.02117	0.06167	1.54266	1
HMGB3P1	HGC_27con	HGC_27004	NOTEST	0.02953	0.08608	1.54332	1
EDAR	HGC_27con	HGC_27004	NOTEST	0.00759	0.02214	1.54539	1
CECR1	HGC_27con	HGC_27004	NOTEST	0.01175	0.03438	1.54846	1
LOC148696	HGC_27con	HGC_27004	NOTEST	0.00684	0.02004	1.55036	1
DKFZP434L187	HGC_27con	HGC_27004	OK	0.14123	0.41396	1.55142	0.0369
LOC283140	HGC_27con	HGC_27004	NOTEST	0.01082	0.03174	1.5531	1
LINC00535	HGC_27con	HGC_27004	NOTEST	0.01624	0.04768	1.55376	1
NKX2-1	HGC_27con	HGC_27004	OK	0.16853	0.49611	1.5577	0.1074
RPA4	HGC_27con	HGC_27004	NOTEST	0.04335	0.12768	1.55852	1
LOC100130899	HGC_27con	HGC_27004	NOTEST	0.00976	0.02878	1.55949	1
SYK	HGC_27con	HGC_27004	NOTEST	0.00617	0.01818	1.55971	1
H2BFM	HGC_27con	HGC_27004	NOTEST	0.05335	0.15792	1.56569	1
LINC00494	HGC_27con	HGC_27004	NOTEST	0.00875	0.02593	1.56753	1
IAH1	HGC_27con	HGC_27004	NOTEST	0.04589	0.13602	1.56768	1
LINC01136	HGC_27con	HGC_27004	NOTEST	0.01401	0.04154	1.56836	1
RBFADN	HGC_27con	HGC_27004	NOTEST	0.05072	0.15068	1.57092	1
ALMS1P	HGC_27con	HGC_27004	NOTEST	0.01569	0.04679	1.57596	1
JAKMIP2	HGC_27con	HGC_27004	OK	0.3877	1.15698	1.57737	0.001
LOC101927768	HGC_27con	HGC_27004	NOTEST	0.01575	0.04702	1.5777	1
ABLIM3	HGC_27con	HGC_27004	NOTEST	0.00958	0.02864	1.57918	1
SCGN	HGC_27con	HGC_27004	NOTEST	0.02465	0.0737	1.58016	1
LOC101928580	HGC_27con	HGC_27004	NOTEST	0.01412	0.04234	1.5843	1
FAM149A	HGC_27con	HGC_27004	OK	0.16376	0.49281	1.5895	0.0551
FRMPD3	HGC_27con	HGC_27004	NOTEST	0.02188	0.06585	1.58971	1
PA2G4P4	HGC_27con	HGC_27004	NOTEST	0.04066	0.1224	1.59006	1
PRH1	HGC_27con	HGC_27004	OK	0.45174	1.36162	1.59175	0.471
ABCB4	HGC_27con	HGC_27004	NOTEST	0.0075	0.02262	1.59282	1
C15orf48	HGC_27con	HGC_27004	NOTEST	0.05675	0.17152	1.5958	1
TMEM35	HGC_27con	HGC_27004	NOTEST	0.01836	0.05551	1.59598	1
OR8D2	HGC_27con	HGC_27004	OK	0.14377	0.43462	1.59599	0.2832
ZNF69	HGC_27con	HGC_27004	NOTEST	0.01898	0.05738	1.59618	1
MANEA-AS1	HGC_27con	HGC_27004	OK	0.2212	0.66883	1.59628	0.093
COLCA1	HGC_27con	HGC_27004	NOTEST	0.07505	0.22693	1.59635	1
MRPL42P5	HGC_27con	HGC_27004	OK	0.24495	0.74098	1.59696	0.6089
LINC00924	HGC_27con	HGC_27004	NOTEST	0.02842	0.08606	1.59816	1
LOC414300	HGC_27con	HGC_27004	NOTEST	0.03802	0.11557	1.60391	1
CTB-7E3.1	HGC_27con	HGC_27004	NOTEST	0.08335	0.25346	1.60454	1
GRIA4	HGC_27con	HGC_27004	NOTEST	0.02107	0.06407	1.60462	1
UBR5-AS1	HGC_27con	HGC_27004	OK	0.5228	1.59116	1.60575	0.1035
NUDT9P1	HGC_27con	HGC_27004	NOTEST	0.0833	0.25377	1.60715	1
LINC00559	HGC_27con	HGC_27004	NOTEST	0.00747	0.02276	1.60817	1
SCN5A	HGC_27con	HGC_27004	NOTEST	0.04359	0.13323	1.61193	1
LOC100129620	HGC_27con	HGC_27004	NOTEST	0.03076	0.09403	1.61202	1

LOC100506368	HGC_27con	HGC_27004	OK	0.109	0.33331	1.61259	0.2181
SCT	HGC_27con	HGC_27004	OK	0.35396	1.08609	1.61751	0.272
SH3GL2	HGC_27con	HGC_27004	OK	0.68617	2.1084	1.61951	0.0083
RAB39A	HGC_27con	HGC_27004	NOTEST	0.0206	0.06335	1.62034	1
KIAA0087	HGC_27con	HGC_27004	NOTEST	0.00743	0.02286	1.62139	1
TMEM200C	HGC_27con	HGC_27004	NOTEST	0.06827	0.21009	1.62159	1
COCH	HGC_27con	HGC_27004	NOTEST	0.01305	0.04021	1.62377	1
SYT4	HGC_27con	HGC_27004	NOTEST	0.0145	0.04471	1.62422	1
LCN10	HGC_27con	HGC_27004	NOTEST	0.04587	0.14165	1.62667	1
C4orf19	HGC_27con	HGC_27004	OK	0.12903	0.39879	1.62795	0.1719
DNAJC6	HGC_27con	HGC_27004	NOTEST	0.09796	0.303	1.6291	1
SLCO4C1	HGC_27con	HGC_27004	NOTEST	0.01213	0.03773	1.63739	1
CAMK4	HGC_27con	HGC_27004	OK	0.81129	2.53154	1.64172	0.0059
MRC1	HGC_27con	HGC_27004	OK	0.122	0.38085	1.64234	0.0288
ISM2	HGC_27con	HGC_27004	NOTEST	0.05441	0.17061	1.64866	1
LINC00622	HGC_27con	HGC_27004	NOTEST	0.05988	0.18799	1.6504	1
MPDZ	HGC_27con	HGC_27004	NOTEST	0.03105	0.09761	1.65219	1
SMIM2	HGC_27con	HGC_27004	NOTEST	0.08401	0.26435	1.65377	1
FAM134B	HGC_27con	HGC_27004	OK	0.47664	1.50168	1.65561	0.0084
RAB9B	HGC_27con	HGC_27004	OK	0.13698	0.43222	1.65779	0.0423
STPG2	HGC_27con	HGC_27004	NOTEST	0.02094	0.06609	1.65813	1
RNVU1-20	HGC_27con	HGC_27004	OK	1.65014	5.21178	1.65919	0.5519
CERKL	HGC_27con	HGC_27004	OK	3.97999	12.5808	1.66039	0.0172
PRMT5-AS1	HGC_27con	HGC_27004	NOTEST	0.06106	0.19304	1.6606	1
LINC01179	HGC_27con	HGC_27004	NOTEST	0.03315	0.1051	1.66475	1
ZNF33BP1	HGC_27con	HGC_27004	NOTEST	0.02111	0.06708	1.66797	1
LOC100132781	HGC_27con	HGC_27004	NOTEST	0.03546	0.11365	1.68034	1
HOXC-AS2	HGC_27con	HGC_27004	OK	0.20281	0.6523	1.68542	0.2711
B3GAT1	HGC_27con	HGC_27004	NOTEST	0.0199	0.06418	1.68894	1
HIST1H3G	HGC_27con	HGC_27004	OK	0.38514	1.25454	1.70373	0.2684
C17orf102	HGC_27con	HGC_27004	NOTEST	0.02787	0.09108	1.70834	1
MCF2L2	HGC_27con	HGC_27004	NOTEST	0.01906	0.06263	1.71615	1
DFNA5	HGC_27con	HGC_27004	OK	0.39754	1.31264	1.72332	0.0134
NBPF9	HGC_27con	HGC_27004	NOTEST	0.05887	0.19442	1.72352	1
SALRNA1	HGC_27con	HGC_27004	OK	0.10825	0.35834	1.72691	0.1774
KCNK12	HGC_27con	HGC_27004	OK	0.30386	1.00708	1.72873	0.1688
LURAP1L	HGC_27con	HGC_27004	NOTEST	0.08503	0.28278	1.73356	1
PDE1A	HGC_27con	HGC_27004	OK	0.79407	2.64311	1.73489	0.0032
MYBPC1	HGC_27con	HGC_27004	NOTEST	0.01273	0.0424	1.73574	1
OLFM3	HGC_27con	HGC_27004	OK	0.9362	3.12363	1.73834	0.0015
HGF	HGC_27con	HGC_27004	NOTEST	0.07704	0.25766	1.74168	1
DPPA3	HGC_27con	HGC_27004	OK	0.10159	0.34072	1.74584	0.2028
LOC100129940	HGC_27con	HGC_27004	NOTEST	0.04695	0.15985	1.76749	1
PTPN5	HGC_27con	HGC_27004	NOTEST	0.03511	0.1199	1.77184	1
EPN2-AS1	HGC_27con	HGC_27004	NOTEST	0.05632	0.19403	1.78468	1
DNM3	HGC_27con	HGC_27004	NOTEST	0.01309	0.04516	1.78657	1
FAM167A	HGC_27con	HGC_27004	OK	0.095	0.3287	1.79078	0.0461
TMEM255A	HGC_27con	HGC_27004	OK	0.09772	0.33905	1.7948	0.0526
SMKR1	HGC_27con	HGC_27004	NOTEST	0.08814	0.30672	1.79908	1
C2orf15	HGC_27con	HGC_27004	OK	0.13454	0.47031	1.80559	0.1419
SAPCD1	HGC_27con	HGC_27004	NOTEST	0.05157	0.18031	1.80589	1
BCO2	HGC_27con	HGC_27004	NOTEST	0.04442	0.15594	1.81169	1
ABCG2	HGC_27con	HGC_27004	NOTEST	0.01587	0.05572	1.81196	1
ISG20	HGC_27con	HGC_27004	OK	0.15884	0.55956	1.8167	0.0519

FAM124A	HGC_27con	HGC_27004	OK	0.12617	0.44526	1.81923	0.0253
KLHL6-AS1	HGC_27con	HGC_27004	OK	0.15863	0.56086	1.82199	0.2496
CALCRL	HGC_27con	HGC_27004	OK	1.30947	4.65796	1.83071	0.0001
SLC4A8	HGC_27con	HGC_27004	OK	0.13666	0.48982	1.84163	0.0708
SPRR3	HGC_27con	HGC_27004	NOTEST	0.04264	0.15299	1.84315	1
C20orf144	HGC_27con	HGC_27004	OK	0.10098	0.36282	1.84518	0.5587
LINC01209	HGC_27con	HGC_27004	NOTEST	0.02688	0.0968	1.84842	1
SNORA26	HGC_27con	HGC_27004	OK	23.0606	83.3504	1.85376	0.5892
GRIP1	HGC_27con	HGC_27004	NOTEST	0.07393	0.26806	1.85826	1
RAB41	HGC_27con	HGC_27004	OK	0.10397	0.37739	1.85987	0.1837
PGF	HGC_27con	HGC_27004	NOTEST	0.0224	0.08146	1.86224	1
GLDC	HGC_27con	HGC_27004	NOTEST	0.03232	0.11752	1.86238	1
TAS2R31	HGC_27con	HGC_27004	NOTEST	0.08649	0.31559	1.86748	1
HUS1B	HGC_27con	HGC_27004	NOTEST	0.04673	0.17121	1.8733	1
ZNF385B	HGC_27con	HGC_27004	OK	0.23937	0.87741	1.87403	0.0113
GAS6-AS1	HGC_27con	HGC_27004	NOTEST	0.04773	0.17522	1.87627	1
DEPDC1-AS1	HGC_27con	HGC_27004	OK	0.14244	0.52455	1.88068	0.5993
LOC401010	HGC_27con	HGC_27004	NOTEST	0.01123	0.04148	1.88563	1
FBXW4P1	HGC_27con	HGC_27004	NOTEST	0.04242	0.15718	1.8896	1
CORO6	HGC_27con	HGC_27004	NOTEST	0.01704	0.0632	1.89112	1
HHLA2	HGC_27con	HGC_27004	NOTEST	0.0401	0.14909	1.89442	1
EPHB6	HGC_27con	HGC_27004	OK	0.48758	1.81385	1.89536	0.0027
LOC731157	HGC_27con	HGC_27004	OK	0.10344	0.38636	1.9012	0.2751
HOOK1	HGC_27con	HGC_27004	NOTEST	0.03494	0.13062	1.90265	1
MATN1	HGC_27con	HGC_27004	NOTEST	0.02599	0.09749	1.9073	1
ARL10	HGC_27con	HGC_27004	NOTEST	0.01441	0.05443	1.91739	1
MMD2	HGC_27con	HGC_27004	NOTEST	0.03865	0.14603	1.91768	1
BPIFB1	HGC_27con	HGC_27004	NOTEST	0.02323	0.08792	1.9201	1
KLRF1	HGC_27con	HGC_27004	OK	0.08999	0.34217	1.92688	0.1555
TULP2	HGC_27con	HGC_27004	NOTEST	0.01786	0.06826	1.93476	1
PIR-FIGF	HGC_27con	HGC_27004	NOTEST	0.01599	0.06138	1.941	1
CD274	HGC_27con	HGC_27004	NOTEST	0.02095	0.08047	1.94146	1
SCARNA13	HGC_27con	HGC_27004	OK	4.05696	15.5905	1.9422	0.3381
ADPRH	HGC_27con	HGC_27004	NOTEST	0.01154	0.04451	1.94685	1
LOC284379	HGC_27con	HGC_27004	NOTEST	0.07782	0.30032	1.9483	1
HCRT2	HGC_27con	HGC_27004	NOTEST	0.02188	0.08445	1.94848	1
PLIN2	HGC_27con	HGC_27004	NOTEST	0.01553	0.06035	1.9582	1
SPIN2A	HGC_27con	HGC_27004	NOTEST	0.02386	0.09314	1.96476	1
LOC101927179	HGC_27con	HGC_27004	NOTEST	0.05906	0.23218	1.9749	1
MEST	HGC_27con	HGC_27004	NOTEST	0.01711	0.06752	1.98026	1
ARG1	HGC_27con	HGC_27004	NOTEST	0.01792	0.07099	1.98605	1
ZYG11A	HGC_27con	HGC_27004	NOTEST	0.00974	0.0386	1.98671	1
RSPO2	HGC_27con	HGC_27004	OK	0.25183	1.00468	1.99622	0.0111
PPARG	HGC_27con	HGC_27004	NOTEST	0.03753	0.1508	2.00642	1
C17orf78	HGC_27con	HGC_27004	NOTEST	0.01689	0.06795	2.00844	1
CFAP58-AS1	HGC_27con	HGC_27004	NOTEST	0.03434	0.13818	2.00845	1
CDC14C	HGC_27con	HGC_27004	NOTEST	0.01145	0.04612	2.0097	1
NIPAL1	HGC_27con	HGC_27004	NOTEST	0.0178	0.07169	2.01018	1
SHOX2	HGC_27con	HGC_27004	OK	0.24586	0.99128	2.01149	0.0062
C8orf37-AS1	HGC_27con	HGC_27004	NOTEST	0.0636	0.25678	2.01348	1
OR7D2	HGC_27con	HGC_27004	NOTEST	0.01527	0.06167	2.01363	1
EFEMP1	HGC_27con	HGC_27004	NOTEST	0.01065	0.04307	2.01662	1
DCLK1	HGC_27con	HGC_27004	OK	0.11172	0.45214	2.01693	0.2831
TGFB2-OT1	HGC_27con	HGC_27004	OK	0.1406	0.56945	2.01801	0.4205

TMOD2	HGC_27con	HGC_27004	NOTEST	0.02426	0.09832	2.01876	1
LOC100996635	HGC_27con	HGC_27004	NOTEST	0.04395	0.17855	2.02248	1
LRP2	HGC_27con	HGC_27004	NOTEST	0.04084	0.16635	2.02605	1
RASSF9	HGC_27con	HGC_27004	NOTEST	0.04552	0.18567	2.02825	1
FRY	HGC_27con	HGC_27004	NOTEST	0.02368	0.09693	2.03322	1
CD200R1L	HGC_27con	HGC_27004	NOTEST	0.02558	0.1049	2.03599	1
FAS-AS1	HGC_27con	HGC_27004	NOTEST	0.02318	0.09523	2.03842	1
CRHR1	HGC_27con	HGC_27004	OK	0.09272	0.38356	2.0485	0.351
SAXO2	HGC_27con	HGC_27004	NOTEST	0.01075	0.04476	2.0583	1
EDIL3	HGC_27con	HGC_27004	NOTEST	0.00814	0.03401	2.06238	1
LRRTM2	HGC_27con	HGC_27004	NOTEST	0.01211	0.05062	2.06346	1
CCDC30	HGC_27con	HGC_27004	NOTEST	0.01328	0.05556	2.06499	1
CCDC144A	HGC_27con	HGC_27004	NOTEST	0.00416	0.0174	2.06552	1
SNORA20	HGC_27con	HGC_27004	OK	5.8559	24.5149	2.06569	0.503
TRABD2A	HGC_27con	HGC_27004	NOTEST	0.032	0.13483	2.07508	1
ANKAR	HGC_27con	HGC_27004	NOTEST	0.01406	0.05929	2.07593	1
ZNF474	HGC_27con	HGC_27004	NOTEST	0.04892	0.21737	2.15162	1
CSF1R	HGC_27con	HGC_27004	NOTEST	0.00897	0.04001	2.15682	1
ACTL10	HGC_27con	HGC_27004	NOTEST	0.02452	0.11009	2.1664	1
LDLRAD2	HGC_27con	HGC_27004	NOTEST	0.00964	0.04342	2.17072	1
KLHL32	HGC_27con	HGC_27004	OK	0.36641	1.65292	2.17347	0.1061
KIAA0319	HGC_27con	HGC_27004	NOTEST	0.01146	0.05207	2.18371	1
LINC00514	HGC_27con	HGC_27004	NOTEST	0.01665	0.07616	2.19319	1
PADI3	HGC_27con	HGC_27004	OK	0.16532	0.75827	2.19746	0.0109
HIST1H1E	HGC_27con	HGC_27004	NOTEST	0.06361	0.29367	2.20698	1
AGMO	HGC_27con	HGC_27004	NOTEST	0.03102	0.14338	2.2084	1
RSPO1	HGC_27con	HGC_27004	NOTEST	0.01223	0.05739	2.23003	1
AIPL1	HGC_27con	HGC_27004	NOTEST	0.01233	0.0596	2.27267	1
REP15	HGC_27con	HGC_27004	OK	0.10945	0.52905	2.27309	0.0957
KCNH1	HGC_27con	HGC_27004	NOTEST	0.00402	0.01965	2.28721	1
KCNT2	HGC_27con	HGC_27004	OK	0.10232	0.50102	2.29186	0.0053
LOC102546294	HGC_27con	HGC_27004	NOTEST	0.01419	0.06963	2.29481	1
CA9	HGC_27con	HGC_27004	OK	0.07409	0.36357	2.29496	0.1264
CFLAR-AS1	HGC_27con	HGC_27004	NOTEST	0.02672	0.13124	2.29635	1
LOC101927131	HGC_27con	HGC_27004	NOTEST	0.01576	0.07741	2.29664	1
SLC10A4	HGC_27con	HGC_27004	NOTEST	0.02262	0.1117	2.30383	1
MYRIP	HGC_27con	HGC_27004	NOTEST	0.00603	0.02997	2.3122	1
MTUS2	HGC_27con	HGC_27004	NOTEST	0.02382	0.11867	2.31693	1
MRLN	HGC_27con	HGC_27004	OK	1.64995	8.27711	2.32671	0.009
LRP1B	HGC_27con	HGC_27004	OK	0.2398	1.20354	2.32738	5E-05
BAALC-AS1	HGC_27con	HGC_27004	NOTEST	0.04439	0.22405	2.33555	1
OLFML2B	HGC_27con	HGC_27004	OK	0.0971	0.49332	2.34498	0.0143
DYDC1	HGC_27con	HGC_27004	OK	0.07172	0.36467	2.34622	0.1386
AMER2	HGC_27con	HGC_27004	NOTEST	0.00368	0.01875	2.34874	1
CLIP1-AS1	HGC_27con	HGC_27004	NOTEST	0.03571	0.1822	2.35133	1
LOC100506136	HGC_27con	HGC_27004	NOTEST	0.02027	0.1036	2.35381	1
KIAA1549L	HGC_27con	HGC_27004	OK	0.07539	0.38608	2.35653	0.0026
TTC34	HGC_27con	HGC_27004	NOTEST	0.0266	0.14181	2.41468	1
SLC24A4	HGC_27con	HGC_27004	NOTEST	0.01925	0.103	2.4198	1
FOXE3	HGC_27con	HGC_27004	NOTEST	0.03749	0.20398	2.44399	1
LOC100996291	HGC_27con	HGC_27004	NOTEST	0.01121	0.06244	2.47722	1
LOC100134317	HGC_27con	HGC_27004	OK	0.13413	0.74813	2.47968	0.1623
IL12RB1	HGC_27con	HGC_27004	NOTEST	0.01999	0.11155	2.48064	1
TSHZ2	HGC_27con	HGC_27004	NOTEST	0.00534	0.02986	2.48268	1

CTNND2	HGC_27con	HGC_27004	NOTEST	0.02136	0.11981	2.48748	1
VSTM2B	HGC_27con	HGC_27004	NOTEST	0.04763	0.26986	2.50234	1
ZMIZ1-AS1	HGC_27con	HGC_27004	NOTEST	0.01684	0.09713	2.52789	1
BZRAP1-AS1	HGC_27con	HGC_27004	NOTEST	0.02103	0.12382	2.55787	1
KIF4B	HGC_27con	HGC_27004	NOTEST	0.0051	0.03073	2.59021	1
PLAC8	HGC_27con	HGC_27004	NOTEST	0.03811	0.22973	2.59177	1
MIR4687	HGC_27con	HGC_27004	OK	9.74659	61.0088	2.64605	0.4056
FZD4	HGC_27con	HGC_27004	OK	0.63141	4.01701	2.66946	5E-05
GPR37	HGC_27con	HGC_27004	OK	0.06143	0.39726	2.69299	0.0306
MAPT-IT1	HGC_27con	HGC_27004	NOTEST	0.01518	0.09864	2.69999	1
SLC43A3	HGC_27con	HGC_27004	NOTEST	0.01553	0.10438	2.74912	1
PGAM4	HGC_27con	HGC_27004	NOTEST	0.0211	0.14302	2.76126	1
LOC101927666	HGC_27con	HGC_27004	NOTEST	0.00486	0.03335	2.77752	1
MAP7D2	HGC_27con	HGC_27004	NOTEST	0.00622	0.04328	2.79749	1
PDE2A	HGC_27con	HGC_27004	NOTEST	0.01717	0.11975	2.80172	1
EBF2	HGC_27con	HGC_27004	NOTEST	0.00685	0.04847	2.82284	1
MOXD1	HGC_27con	HGC_27004	OK	0.16625	1.19539	2.84607	0.0024
C19orf35	HGC_27con	HGC_27004	NOTEST	0.02444	0.1771	2.85704	1
KCNJ13	HGC_27con	HGC_27004	NOTEST	0.01018	0.07385	2.85904	1
SNORA31	HGC_27con	HGC_27004	OK	5.66529	42.016	2.89071	0.4219
CDH10	HGC_27con	HGC_27004	OK	0.3136	2.32754	2.89182	0.0001
SNORD17	HGC_27con	HGC_27004	OK	0.96499	7.80715	3.01622	0.4609
BEND4	HGC_27con	HGC_27004	NOTEST	0.013	0.11434	3.13631	1
ANKRD55	HGC_27con	HGC_27004	NOTEST	0.01249	0.11109	3.1526	1
NDST4	HGC_27con	HGC_27004	OK	0.03769	0.34644	3.20027	0.0452
RERG-AS1	HGC_27con	HGC_27004	OK	0.27476	2.61092	3.24833	0.3496
SEPT7P9	HGC_27con	HGC_27004	OK	0.09026	0.87253	3.27297	0.1249
PIN4P1	HGC_27con	HGC_27004	NOTEST	0.01229	0.12174	3.30852	1
OSR1	HGC_27con	HGC_27004	OK	0.05067	0.51708	3.3513	0.1393
BVES	HGC_27con	HGC_27004	NOTEST	0.00651	0.06646	3.35136	1
LANCL1-AS1	HGC_27con	HGC_27004	NOTEST	0.01409	0.14715	3.38441	1
SPOCK3	HGC_27con	HGC_27004	OK	0.19677	2.05483	3.38447	0.0003
FSTL5	HGC_27con	HGC_27004	NOTEST	0.0062	0.06953	3.48803	1
RAET1E	HGC_27con	HGC_27004	NOTEST	0.01407	0.16178	3.52285	1
AANAT	HGC_27con	HGC_27004	NOTEST	0.01739	0.22634	3.70216	1
SLITRK3	HGC_27con	HGC_27004	OK	0.02323	0.33683	3.85808	0.0766
BAGE4	HGC_27con	HGC_27004	OK	0.08181	1.18843	3.8607	0.2493
GTF2IP1	HGC_27con	HGC_27004	NOTEST	0.00438	0.08277	4.23929	1
PPP1R1C	HGC_27con	HGC_27004	OK	0.15488	3.19484	4.36651	0.0093
RGPD2	HGC_27con	HGC_27004	NOTEST	0.00092	0.02746	4.89631	1
BLOC1S5-TXNDC5	HGC_27con	HGC_27004	OK	0.00592	0.38677	6.02969	0.3629
LILRA6	HGC_27con	HGC_27004	NOTEST	8.4E-05	0.018	7.74164	1
PHOSPHO2-KLHL23	HGC_27con	HGC_27004	NOTEST	0.00101	0.24668	7.9273	1
AS3MT	HGC_27con	HGC_27004	OK	0.00213	0.54786	8.00387	0.1316
TRIM73,TRIM74	HGC_27con	HGC_27004	OK	0.0016	0.46682	8.19157	0.1001
NARR	HGC_27con	HGC_27004	OK	0.01094	4.39419	8.64968	0.1711
NT5C1B-RDH14	HGC_27con	HGC_27004	NOTEST	6.1E-05	0.05337	9.77858	1
JMJD7-PLA2G4B	HGC_27con	HGC_27004	OK	0.00084	0.7514	9.80122	0.2292
ZNF625-ZNF20	HGC_27con	HGC_27004	OK	0.00028	0.57575	10.9905	0.0636
LINC01285	HGC_27con	HGC_27004	OK	0	0.60635	inf	5E-05
MIR6087	HGC_27con	HGC_27004	OK	0	95.7971	inf	0.0041
MIR630	HGC_27con	HGC_27004	OK	0	23.0535	inf	0.0041
MIR659	HGC_27con	HGC_27004	OK	0	13.9112	inf	0.0041
SNORD89	HGC_27con	HGC_27004	OK	0	5.29779	inf	0.0041

SNORD93	HGC_27con	HGC_27004	OK	0	25.8077	inf	0.0041
TM4SF5	HGC_27con	HGC_27004	OK	0	0.45198	inf	0.0083
MIR663A	HGC_27con	HGC_27004	OK	0	22.5106	inf	0.0616
HIST1H2AH	HGC_27con	HGC_27004	OK	0	0.3366	inf	0.0744
RNVU1-19	HGC_27con	HGC_27004	OK	0	2.65216	inf	0.0744
SNORD12	HGC_27con	HGC_27004	OK	0	147.783	inf	0.1079
SNORA41	HGC_27con	HGC_27004	OK	0	17.7794	inf	0.1132
SNORD16	HGC_27con	HGC_27004	OK	0	36.6528	inf	0.1233
SNORD24	HGC_27con	HGC_27004	OK	0	25.3266	inf	0.1284
MIR6728	HGC_27con	HGC_27004	OK	0	12.7858	inf	0.1304
SNORD42B	HGC_27con	HGC_27004	OK	0	39.6413	inf	0.1369
SNORA14B	HGC_27con	HGC_27004	OK	0	10.6738	inf	0.1481
MIR590	HGC_27con	HGC_27004	OK	0	23.0294	inf	0.1557
SCARNA27	HGC_27con	HGC_27004	OK	0	13.6931	inf	0.1585
SNORA28	HGC_27con	HGC_27004	OK	0	10.4047	inf	0.1595
SNORD67	HGC_27con	HGC_27004	OK	0	12.9015	inf	0.169
SNORD23	HGC_27con	HGC_27004	OK	0	14.7379	inf	0.1896
SNORA5C	HGC_27con	HGC_27004	OK	0	18.5863	inf	0.1902
SNORD29	HGC_27con	HGC_27004	OK	0	61.8227	inf	0.193
SNORD88A	HGC_27con	HGC_27004	OK	0	18.9398	inf	0.1947
MIR2277	HGC_27con	HGC_27004	OK	0	4.95887	inf	0.1964
SNORD57	HGC_27con	HGC_27004	OK	0	24.9616	inf	0.1996
SNORD12C	HGC_27con	HGC_27004	OK	0	36.1008	inf	0.2016
MIR6765	HGC_27con	HGC_27004	OK	0	23.2117	inf	0.2025
MIR1287	HGC_27con	HGC_27004	OK	0	11.7243	inf	0.2035
SNORA36A	HGC_27con	HGC_27004	OK	0	12.2442	inf	0.2043
SCARNA8	HGC_27con	HGC_27004	OK	0	13.5136	inf	0.2053
SNORD19	HGC_27con	HGC_27004	OK	0	15.8656	inf	0.2068
MIR1182	HGC_27con	HGC_27004	OK	0	15.0487	inf	0.2072
SNORD119	HGC_27con	HGC_27004	OK	0	10.0131	inf	0.2077
MIR3934	HGC_27con	HGC_27004	OK	0	26.7393	inf	0.2081
MIR639	HGC_27con	HGC_27004	OK	0	11.4991	inf	0.2081
MIR5096	HGC_27con	HGC_27004	OK	0	88.4675	inf	0.2098
MIR589	HGC_27con	HGC_27004	OK	0	32.4114	inf	0.21
SNORD84	HGC_27con	HGC_27004	OK	0	39.4074	inf	0.2119
MIR3120	HGC_27con	HGC_27004	OK	0	28.456	inf	0.2125
MIR3665	HGC_27con	HGC_27004	OK	0	12.2645	inf	0.2126
SCARNA4	HGC_27con	HGC_27004	OK	0	8.91834	inf	0.2144
SNORA7B	HGC_27con	HGC_27004	OK	0	3.02805	inf	0.2146
MIR4453	HGC_27con	HGC_27004	OK	0	26.6122	inf	0.216
MIR4635	HGC_27con	HGC_27004	OK	0	32.4484	inf	0.217
LOC101927418	HGC_27con	HGC_27004	OK	0	0.48277	inf	0.2183
MIR6740	HGC_27con	HGC_27004	OK	0	2.59161	inf	0.2183
SNORA13	HGC_27con	HGC_27004	OK	0	5.46163	inf	0.2185
TMEM262	HGC_27con	HGC_27004	OK	0	0.55921	inf	0.2187
SNORD123	HGC_27con	HGC_27004	OK	0	31.2896	inf	0.2205
MIR3153	HGC_27con	HGC_27004	OK	0	36.3625	inf	0.2206
MIR5094	HGC_27con	HGC_27004	OK	0	21.9814	inf	0.2235
SNORA58	HGC_27con	HGC_27004	OK	0	0.54952	inf	0.2238
SNORA47	HGC_27con	HGC_27004	OK	0	5.97123	inf	0.2238
SNORA37	HGC_27con	HGC_27004	OK	0	11.1431	inf	0.2239
MIR647	HGC_27con	HGC_27004	OK	0	15.5715	inf	0.2271
SNORA5B	HGC_27con	HGC_27004	OK	0	11.0537	inf	0.2272
MIR581	HGC_27con	HGC_27004	OK	0	14.4774	inf	0.2273

MIR103A2	HGC_27con	HGC_27004	OK	0	48.6552	inf	0.2277
MIR181B1	HGC_27con	HGC_27004	OK	0	9.87075	inf	0.2283
MIR324	HGC_27con	HGC_27004	OK	0	73.9677	inf	0.2287
MIR4263	HGC_27con	HGC_27004	OK	0	21.0309	inf	0.2296
SNORA2A	HGC_27con	HGC_27004	OK	0	4.82898	inf	0.2324
CYCSP52	HGC_27con	HGC_27004	OK	0	0.39337	inf	0.2325
MIR149	HGC_27con	HGC_27004	OK	0	26.8501	inf	0.2334
SNORA34	HGC_27con	HGC_27004	OK	0	4.25909	inf	0.2353
MIR1199	HGC_27con	HGC_27004	OK	0	13.9521	inf	0.2354
MIR1908	HGC_27con	HGC_27004	OK	0	20.8432	inf	0.2361
MIR8075	HGC_27con	HGC_27004	OK	0	12.5508	inf	0.2376
SNORD99	HGC_27con	HGC_27004	OK	0	43.7081	inf	0.2386
O11-LRRC70,LRRC	HGC_27con	HGC_27004	OK	0	0.44094	inf	0.2395
LOC102031319	HGC_27con	HGC_27004	OK	0	0.51846	inf	0.242
ABCA13	HGC_27con	HGC_27004	NOTEST	0	0.00804	inf	1
ABCA8	HGC_27con	HGC_27004	NOTEST	0	0.01666	inf	1
ABCB1	HGC_27con	HGC_27004	NOTEST	0	0.00636	inf	1
ABCC8	HGC_27con	HGC_27004	NOTEST	0	0.01438	inf	1
ABCD2	HGC_27con	HGC_27004	NOTEST	0	0.01233	inf	1
ABCG5	HGC_27con	HGC_27004	NOTEST	0	0.01417	inf	1
ABRA	HGC_27con	HGC_27004	NOTEST	0	0.02124	inf	1
ACMSD	HGC_27con	HGC_27004	NOTEST	0	0.0247	inf	1
ACTA1	HGC_27con	HGC_27004	NOTEST	0	0.05813	inf	1
ACTL7A	HGC_27con	HGC_27004	NOTEST	0	0.02227	inf	1
ADAM20	HGC_27con	HGC_27004	NOTEST	0	0.03309	inf	1
ADAM7	HGC_27con	HGC_27004	NOTEST	0	0.00806	inf	1
ADAMTS8	HGC_27con	HGC_27004	NOTEST	0	0.00955	inf	1
ADGRB3	HGC_27con	HGC_27004	NOTEST	0	0.03554	inf	1
ADGRE4P	HGC_27con	HGC_27004	NOTEST	0	0.04784	inf	1
ADGRG5	HGC_27con	HGC_27004	NOTEST	0	0.01061	inf	1
ADGRL3-AS1	HGC_27con	HGC_27004	NOTEST	0	0.11876	inf	1
ADH4	HGC_27con	HGC_27004	NOTEST	0	0.01594	inf	1
ADRA1D	HGC_27con	HGC_27004	NOTEST	0	0.02064	inf	1
ADRA2B	HGC_27con	HGC_27004	NOTEST	0	0.0111	inf	1
AFAP1L2	HGC_27con	HGC_27004	NOTEST	0	0.01475	inf	1
AFF3	HGC_27con	HGC_27004	NOTEST	0	0.00423	inf	1
AFP	HGC_27con	HGC_27004	NOTEST	0	0.01412	inf	1
AGBL5-AS1	HGC_27con	HGC_27004	NOTEST	0	0.18026	inf	1
AGXT	HGC_27con	HGC_27004	NOTEST	0	0.02749	inf	1
AKR1C6P	HGC_27con	HGC_27004	NOTEST	0	0.04584	inf	1
AKR1D1	HGC_27con	HGC_27004	NOTEST	0	0.01213	inf	1
ALK	HGC_27con	HGC_27004	NOTEST	0	0.00462	inf	1
ALKBH3-AS1	HGC_27con	HGC_27004	NOTEST	0	0.05323	inf	1
ALLC	HGC_27con	HGC_27004	NOTEST	0	0.03965	inf	1
ALOX12P2	HGC_27con	HGC_27004	NOTEST	0	0.02903	inf	1
ALOX15P1	HGC_27con	HGC_27004	NOTEST	0	0.04704	inf	1
ANGPTL3	HGC_27con	HGC_27004	NOTEST	0	0.0217	inf	1
ANGPTL7	HGC_27con	HGC_27004	NOTEST	0	0.0241	inf	1
ANKFN1	HGC_27con	HGC_27004	NOTEST	0	0.04873	inf	1
KRD20A2,ANKRD2	HGC_27con	HGC_27004	NOTEST	0	0.00682	inf	1
ANKRD20A3	HGC_27con	HGC_27004	NOTEST	0	9.2E-06	inf	1
ANKRD44-IT1	HGC_27con	HGC_27004	NOTEST	0	0.0291	inf	1
ANPEP	HGC_27con	HGC_27004	NOTEST	0	0.00938	inf	1
AOAH	HGC_27con	HGC_27004	NOTEST	0	0.01376	inf	1

APCDD1L	HGC_27con	HGC_27004	NOTEST	0	0.01399	inf	1
APLNR	HGC_27con	HGC_27004	NOTEST	0	0.00842	inf	1
APOA5	HGC_27con	HGC_27004	NOTEST	0	0.01817	inf	1
APOBEC3G	HGC_27con	HGC_27004	NOTEST	0	0.01777	inf	1
AQP10	HGC_27con	HGC_27004	NOTEST	0	0.01961	inf	1
AQP12A	HGC_27con	HGC_27004	NOTEST	0	0.06056	inf	1
AQP12B	HGC_27con	HGC_27004	NOTEST	0	0.05781	inf	1
AQP7	HGC_27con	HGC_27004	NOTEST	0	0.03067	inf	1
ARHGAP19-SLIT1	HGC_27con	HGC_27004	NOTEST	0	0.04575	inf	1
ARHGAP20	HGC_27con	HGC_27004	NOTEST	0	0.00552	inf	1
ARHGDIB	HGC_27con	HGC_27004	NOTEST	0	0.02497	inf	1
ARHGEF7-AS2	HGC_27con	HGC_27004	NOTEST	0	0.03418	inf	1
ARHGEF9-IT1	HGC_27con	HGC_27004	NOTEST	0	0.16155	inf	1
ARL17B	HGC_27con	HGC_27004	NOTEST	0	0.0832	inf	1
ASB4	HGC_27con	HGC_27004	NOTEST	0	0.00836	inf	1
ATP4A	HGC_27con	HGC_27004	NOTEST	0	0.01016	inf	1
ATP5L2	HGC_27con	HGC_27004	NOTEST	0	0.10481	inf	1
ATP8A2	HGC_27con	HGC_27004	NOTEST	0	0.00641	inf	1
ATP8B4	HGC_27con	HGC_27004	NOTEST	0	0.00569	inf	1
AURKC	HGC_27con	HGC_27004	NOTEST	0	0.07548	inf	1
AWAT2	HGC_27con	HGC_27004	NOTEST	0	0.02161	inf	1
AZGP1P1	HGC_27con	HGC_27004	NOTEST	0	0.02473	inf	1
B3GNT5	HGC_27con	HGC_27004	NOTEST	0	0.00875	inf	1
B4GALT4-AS1	HGC_27con	HGC_27004	NOTEST	0	0.18573	inf	1
BAALC	HGC_27con	HGC_27004	NOTEST	0	0.01427	inf	1
BARX2	HGC_27con	HGC_27004	NOTEST	0	0.01885	inf	1
BCL2L14	HGC_27con	HGC_27004	NOTEST	0	0.04809	inf	1
BCO1	HGC_27con	HGC_27004	NOTEST	0	0.01106	inf	1
BDH1	HGC_27con	HGC_27004	NOTEST	0	0.01094	inf	1
BECN2	HGC_27con	HGC_27004	NOTEST	0	0.02855	inf	1
BIN2	HGC_27con	HGC_27004	NOTEST	0	0.01082	inf	1
BRD7P3	HGC_27con	HGC_27004	NOTEST	0	0.00996	inf	1
BRWD1-AS1	HGC_27con	HGC_27004	NOTEST	0	0.0781	inf	1
C10orf82	HGC_27con	HGC_27004	NOTEST	0	0.03545	inf	1
C11orf16	HGC_27con	HGC_27004	NOTEST	0	0.0306	inf	1
C15orf26	HGC_27con	HGC_27004	NOTEST	0	0.02184	inf	1
C15orf56	HGC_27con	HGC_27004	NOTEST	0	0.0567	inf	1
C17orf50	HGC_27con	HGC_27004	NOTEST	0	0.13164	inf	1
C1orf168	HGC_27con	HGC_27004	NOTEST	0	0.00762	inf	1
C1orf186	HGC_27con	HGC_27004	NOTEST	0	0.01932	inf	1
C1orf189	HGC_27con	HGC_27004	NOTEST	0	0.05566	inf	1
C1orf194	HGC_27con	HGC_27004	NOTEST	0	0.04644	inf	1
C20orf195	HGC_27con	HGC_27004	NOTEST	0	0.03427	inf	1
C22orf31	HGC_27con	HGC_27004	NOTEST	0	0.02552	inf	1
C2CD4A	HGC_27con	HGC_27004	NOTEST	0	0.02682	inf	1
C2orf50	HGC_27con	HGC_27004	NOTEST	0	0.03586	inf	1
C4B	HGC_27con	HGC_27004	NOTEST	0	0.02289	inf	1
C5orf42	HGC_27con	HGC_27004	NOTEST	0	0.0026	inf	1
C5orf66-AS1	HGC_27con	HGC_27004	NOTEST	0	0.06485	inf	1
C9orf153	HGC_27con	HGC_27004	NOTEST	0	0.05457	inf	1
C9orf24	HGC_27con	HGC_27004	NOTEST	0	0.0293	inf	1
CA1	HGC_27con	HGC_27004	NOTEST	0	0.09694	inf	1
CABP2	HGC_27con	HGC_27004	NOTEST	0	0.04531	inf	1
CACNG1	HGC_27con	HGC_27004	NOTEST	0	0.11239	inf	1

CADM3	HGC_27con	HGC_27004	NOTEST	0	0.0088	inf	1
CASC8	HGC_27con	HGC_27004	NOTEST	0	0.02311	inf	1
CATSPER1	HGC_27con	HGC_27004	NOTEST	0	0.03135	inf	1
CBLN2	HGC_27con	HGC_27004	NOTEST	0	0.01328	inf	1
CCDC13-AS1	HGC_27con	HGC_27004	NOTEST	0	0.08385	inf	1
CCDC168	HGC_27con	HGC_27004	NOTEST	0	0.00193	inf	1
CCDC27	HGC_27con	HGC_27004	NOTEST	0	0.01118	inf	1
CCDC37	HGC_27con	HGC_27004	NOTEST	0	0.0125	inf	1
CCDC38	HGC_27con	HGC_27004	NOTEST	0	0.01305	inf	1
CCDC42	HGC_27con	HGC_27004	NOTEST	0	0.02445	inf	1
CCL22	HGC_27con	HGC_27004	NOTEST	0	0.01547	inf	1
CCR9	HGC_27con	HGC_27004	NOTEST	0	0.01581	inf	1
CD74	HGC_27con	HGC_27004	NOTEST	0	0.02757	inf	1
CD8A	HGC_27con	HGC_27004	NOTEST	0	0.05151	inf	1
CDC20B	HGC_27con	HGC_27004	NOTEST	0	0.01226	inf	1
CDH20	HGC_27con	HGC_27004	NOTEST	0	0.02197	inf	1
CDX1	HGC_27con	HGC_27004	NOTEST	0	0.02072	inf	1
CES1P1	HGC_27con	HGC_27004	NOTEST	0	0.01333	inf	1
CFH	HGC_27con	HGC_27004	NOTEST	0	0.01871	inf	1
CHEK2P2	HGC_27con	HGC_27004	NOTEST	0	0.21363	inf	1
CHIAP2	HGC_27con	HGC_27004	NOTEST	0	0.01092	inf	1
CKLF-CMTM1	HGC_27con	HGC_27004	NOTEST	0	0.28996	inf	1
CLDN11	HGC_27con	HGC_27004	NOTEST	0	0.01748	inf	1
CLDN19	HGC_27con	HGC_27004	NOTEST	0	0.02309	inf	1
CLDN2	HGC_27con	HGC_27004	NOTEST	0	0.02127	inf	1
CLDN6	HGC_27con	HGC_27004	NOTEST	0	0.20318	inf	1
CLEC17A	HGC_27con	HGC_27004	NOTEST	0	0.01263	inf	1
CLEC18A	HGC_27con	HGC_27004	NOTEST	0	0.04626	inf	1
CLECL1	HGC_27con	HGC_27004	NOTEST	0	0.07345	inf	1
CLSTN2	HGC_27con	HGC_27004	NOTEST	0	0.00621	inf	1
CMAHP	HGC_27con	HGC_27004	NOTEST	0	0.03166	inf	1
CNDP1	HGC_27con	HGC_27004	NOTEST	0	0.04389	inf	1
CNGA1	HGC_27con	HGC_27004	NOTEST	0	0.00914	inf	1
CNR2	HGC_27con	HGC_27004	NOTEST	0	0.02137	inf	1
CNTN6	HGC_27con	HGC_27004	NOTEST	0	0.00713	inf	1
COBL	HGC_27con	HGC_27004	NOTEST	0	0.00857	inf	1
COL10A1	HGC_27con	HGC_27004	NOTEST	0	0.01896	inf	1
COL23A1	HGC_27con	HGC_27004	NOTEST	0	0.01997	inf	1
COL4A1	HGC_27con	HGC_27004	NOTEST	0	0.00425	inf	1
COL4A2	HGC_27con	HGC_27004	NOTEST	0	0.00428	inf	1
COL6A5	HGC_27con	HGC_27004	NOTEST	0	0.003	inf	1
CPXM2	HGC_27con	HGC_27004	NOTEST	0	0.01618	inf	1
CR1	HGC_27con	HGC_27004	NOTEST	0	0.00395	inf	1
CRB1	HGC_27con	HGC_27004	NOTEST	0	0.03937	inf	1
CRNN	HGC_27con	HGC_27004	NOTEST	0	0.01145	inf	1
CRYAA	HGC_27con	HGC_27004	NOTEST	0	0.08832	inf	1
CT62	HGC_27con	HGC_27004	NOTEST	0	0.01584	inf	1
CTCFL	HGC_27con	HGC_27004	NOTEST	0	0.00857	inf	1
CTHRC1	HGC_27con	HGC_27004	NOTEST	0	0.03306	inf	1
CTRC	HGC_27con	HGC_27004	NOTEST	0	0.04008	inf	1
CWH43	HGC_27con	HGC_27004	NOTEST	0	0.01459	inf	1
CXADRP2	HGC_27con	HGC_27004	NOTEST	0	0.01549	inf	1
CXADRP3	HGC_27con	HGC_27004	NOTEST	0	0.02174	inf	1
CXCL13	HGC_27con	HGC_27004	NOTEST	0	0.02883	inf	1

CXCL17	HGC_27con	HGC_27004	NOTEST	0	0.04971	inf	1
CXCL3	HGC_27con	HGC_27004	NOTEST	0	0.03555	inf	1
CXCR5	HGC_27con	HGC_27004	NOTEST	0	0.02358	inf	1
CXorf66	HGC_27con	HGC_27004	NOTEST	0	0.03114	inf	1
CYP11A1	HGC_27con	HGC_27004	NOTEST	0	0.0548	inf	1
CYP19A1	HGC_27con	HGC_27004	NOTEST	0	0.03611	inf	1
CYP21A2	HGC_27con	HGC_27004	NOTEST	0	0.06008	inf	1
CYP26B1	HGC_27con	HGC_27004	NOTEST	0	0.01698	inf	1
CYP39A1	HGC_27con	HGC_27004	NOTEST	0	0.01408	inf	1
CYP4F22	HGC_27con	HGC_27004	NOTEST	0	0.01426	inf	1
CYP4X1	HGC_27con	HGC_27004	NOTEST	0	0.03117	inf	1
CYP8B1	HGC_27con	HGC_27004	NOTEST	0	0.01068	inf	1
CYTIP	HGC_27con	HGC_27004	NOTEST	0	0.01428	inf	1
CYTL1	HGC_27con	HGC_27004	NOTEST	0	0.04514	inf	1
DBH	HGC_27con	HGC_27004	NOTEST	0	0.02736	inf	1
DDC	HGC_27con	HGC_27004	NOTEST	0	0.02207	inf	1
DDX11L5	HGC_27con	HGC_27004	NOTEST	0	0.02269	inf	1
DDX25	HGC_27con	HGC_27004	NOTEST	0	0.01669	inf	1
DHRS7C	HGC_27con	HGC_27004	NOTEST	0	0.03358	inf	1
DKFZp451B082	HGC_27con	HGC_27004	NOTEST	0	0.00631	inf	1
DKK2	HGC_27con	HGC_27004	NOTEST	0	0.0184	inf	1
DKK4	HGC_27con	HGC_27004	NOTEST	0	0.038	inf	1
DLG3-AS1	HGC_27con	HGC_27004	NOTEST	0	0.09674	inf	1
DMRTB1	HGC_27con	HGC_27004	NOTEST	0	0.02192	inf	1
DNASE1L3	HGC_27con	HGC_27004	NOTEST	0	0.03369	inf	1
DNM1P46	HGC_27con	HGC_27004	NOTEST	0	0.01734	inf	1
DOCK4-AS1	HGC_27con	HGC_27004	NOTEST	0	0.01162	inf	1
DPP10-AS1	HGC_27con	HGC_27004	NOTEST	0	0.09422	inf	1
DPPA2P3	HGC_27con	HGC_27004	NOTEST	0	0.05017	inf	1
DRAIC	HGC_27con	HGC_27004	NOTEST	0	0.06699	inf	1
DUOXA1	HGC_27con	HGC_27004	NOTEST	0	0.058	inf	1
DUSP15	HGC_27con	HGC_27004	NOTEST	0	0.11279	inf	1
DYDC2	HGC_27con	HGC_27004	NOTEST	0	0.01566	inf	1
DYNAP	HGC_27con	HGC_27004	NOTEST	0	0.04125	inf	1
EFCAB9	HGC_27con	HGC_27004	NOTEST	0	0.11865	inf	1
EFTUD1P1	HGC_27con	HGC_27004	NOTEST	0	0.05343	inf	1
EGFL6	HGC_27con	HGC_27004	NOTEST	0	0.01198	inf	1
EGFLAM-AS4	HGC_27con	HGC_27004	NOTEST	0	0.06571	inf	1
ELFN1-AS1	HGC_27con	HGC_27004	NOTEST	0	0.19519	inf	1
ELOVL2-AS1	HGC_27con	HGC_27004	NOTEST	0	0.02006	inf	1
EPHB1	HGC_27con	HGC_27004	NOTEST	0	0.00619	inf	1
EPPIN	HGC_27con	HGC_27004	NOTEST	0	0.03763	inf	1
EREG	HGC_27con	HGC_27004	NOTEST	0	0.00837	inf	1
ERICH6-AS1	HGC_27con	HGC_27004	NOTEST	0	0.11345	inf	1
EXOC3L2	HGC_27con	HGC_27004	NOTEST	0	0.07467	inf	1
EZR-AS1	HGC_27con	HGC_27004	NOTEST	0	0.3125	inf	1
F7	HGC_27con	HGC_27004	NOTEST	0	0.00982	inf	1
FADS6	HGC_27con	HGC_27004	NOTEST	0	0.01629	inf	1
FAM163A	HGC_27con	HGC_27004	NOTEST	0	0.0119	inf	1
FAM163B	HGC_27con	HGC_27004	NOTEST	0	0.07048	inf	1
FAM186A	HGC_27con	HGC_27004	NOTEST	0	0.00356	inf	1
FAM196B	HGC_27con	HGC_27004	NOTEST	0	0.00866	inf	1
FAM218A	HGC_27con	HGC_27004	NOTEST	0	0.03201	inf	1
FAM221A	HGC_27con	HGC_27004	NOTEST	0	0.06317	inf	1

FAM223B	HGC_27con	HGC_27004	NOTEST	0	0.05898	inf	1
FAM226B	HGC_27con	HGC_27004	NOTEST	0	0.01862	inf	1
FAM228A	HGC_27con	HGC_27004	NOTEST	0	0.01689	inf	1
FAM26F	HGC_27con	HGC_27004	NOTEST	0	0.17867	inf	1
FAM27E2	HGC_27con	HGC_27004	NOTEST	0	0.01699	inf	1
FAM50B	HGC_27con	HGC_27004	NOTEST	0	0.02403	inf	1
FAM66A	HGC_27con	HGC_27004	NOTEST	0	0.06845	inf	1
FAM71A	HGC_27con	HGC_27004	NOTEST	0	0.01101	inf	1
FAM71E2	HGC_27con	HGC_27004	NOTEST	0	0.01146	inf	1
FAM71F1	HGC_27con	HGC_27004	NOTEST	0	0.01251	inf	1
FAM83C	HGC_27con	HGC_27004	NOTEST	0	0.00964	inf	1
FBXW12	HGC_27con	HGC_27004	NOTEST	0	0.04391	inf	1
FCGR2C	HGC_27con	HGC_27004	NOTEST	0	0.05715	inf	1
FEV	HGC_27con	HGC_27004	NOTEST	0	0.02936	inf	1
FGFBP2	HGC_27con	HGC_27004	NOTEST	0	0.02768	inf	1
FGL2	HGC_27con	HGC_27004	NOTEST	0	0.01618	inf	1
FLJ25758	HGC_27con	HGC_27004	NOTEST	0	0.02285	inf	1
FLJ31662	HGC_27con	HGC_27004	NOTEST	0	0.01022	inf	1
FLJ33360	HGC_27con	HGC_27004	NOTEST	0	0.01746	inf	1
FLRT3	HGC_27con	HGC_27004	NOTEST	0	0.00897	inf	1
FNDC7	HGC_27con	HGC_27004	NOTEST	0	0.00998	inf	1
FOXA3	HGC_27con	HGC_27004	NOTEST	0	0.0192	inf	1
FOXC2	HGC_27con	HGC_27004	NOTEST	0	0.03578	inf	1
FOXN3-AS2	HGC_27con	HGC_27004	NOTEST	0	0.03269	inf	1
FOXP1-AS1	HGC_27con	HGC_27004	NOTEST	0	0.07194	inf	1
FPR3	HGC_27con	HGC_27004	NOTEST	0	0.02727	inf	1
FRG2C	HGC_27con	HGC_27004	NOTEST	0	0.02571	inf	1
FRG2EP	HGC_27con	HGC_27004	NOTEST	0	0.0254	inf	1
FRMD7	HGC_27con	HGC_27004	NOTEST	0	0.00947	inf	1
FSCN3	HGC_27con	HGC_27004	NOTEST	0	0.04164	inf	1
G6PC2	HGC_27con	HGC_27004	NOTEST	0	0.01393	inf	1
GABRA4	HGC_27con	HGC_27004	NOTEST	0	0.00309	inf	1
GABRB1	HGC_27con	HGC_27004	NOTEST	0	0.01717	inf	1
GBP1P1	HGC_27con	HGC_27004	NOTEST	0	0.04847	inf	1
GBP2	HGC_27con	HGC_27004	NOTEST	0	0.00691	inf	1
GBX1	HGC_27con	HGC_27004	NOTEST	0	0.08288	inf	1
GCM2	HGC_27con	HGC_27004	NOTEST	0	0.04236	inf	1
GCNT7	HGC_27con	HGC_27004	NOTEST	0	0.0802	inf	1
GDF10	HGC_27con	HGC_27004	NOTEST	0	0.01702	inf	1
GGNBP1	HGC_27con	HGC_27004	NOTEST	0	0.02747	inf	1
GGT3P	HGC_27con	HGC_27004	NOTEST	0	0.01849	inf	1
GK3P	HGC_27con	HGC_27004	NOTEST	0	0.04135	inf	1
GLIPR1L1	HGC_27con	HGC_27004	NOTEST	0	0.04058	inf	1
GLP1R	HGC_27con	HGC_27004	NOTEST	0	0.01179	inf	1
GLRA3	HGC_27con	HGC_27004	NOTEST	0	0.01061	inf	1
GLT1D1	HGC_27con	HGC_27004	NOTEST	0	0.01139	inf	1
GLUD2	HGC_27con	HGC_27004	NOTEST	0	0.01479	inf	1
GLYAT	HGC_27con	HGC_27004	NOTEST	0	0.01563	inf	1
GMFG	HGC_27con	HGC_27004	NOTEST	0	0.06567	inf	1
GNA14	HGC_27con	HGC_27004	NOTEST	0	0.05812	inf	1
GNG2	HGC_27con	HGC_27004	NOTEST	0	0.00795	inf	1
GOLGA6D	HGC_27con	HGC_27004	NOTEST	0	0.00692	inf	1
GOLGA6L7P	HGC_27con	HGC_27004	NOTEST	0	0.0285	inf	1
GOLGA7B	HGC_27con	HGC_27004	NOTEST	0	0.01422	inf	1

GP2	HGC_27con	HGC_27004	NOTEST	0	0.0198	inf	1
GPHA2	HGC_27con	HGC_27004	NOTEST	0	0.05791	inf	1
GPR18	HGC_27con	HGC_27004	NOTEST	0	0.02953	inf	1
GPR21	HGC_27con	HGC_27004	NOTEST	0	0.03201	inf	1
GPR34	HGC_27con	HGC_27004	NOTEST	0	0.04989	inf	1
GPR52	HGC_27con	HGC_27004	NOTEST	0	0.03055	inf	1
GRK1	HGC_27con	HGC_27004	NOTEST	0	0.01477	inf	1
GRK7	HGC_27con	HGC_27004	NOTEST	0	0.01801	inf	1
GRPR	HGC_27con	HGC_27004	NOTEST	0	0.02982	inf	1
GSPT2	HGC_27con	HGC_27004	NOTEST	0	0.01076	inf	1
GSTA5	HGC_27con	HGC_27004	NOTEST	0	0.03714	inf	1
GYPA	HGC_27con	HGC_27004	NOTEST	0	0.0265	inf	1
H3F3C	HGC_27con	HGC_27004	NOTEST	0	0.04078	inf	1
HBQ1	HGC_27con	HGC_27004	NOTEST	0	0.09767	inf	1
HCAR2	HGC_27con	HGC_27004	NOTEST	0	0.01792	inf	1
HCCAT5	HGC_27con	HGC_27004	NOTEST	0	0.03796	inf	1
HCG9	HGC_27con	HGC_27004	NOTEST	0	0.04861	inf	1
HCLS1	HGC_27con	HGC_27004	NOTEST	0	0.02528	inf	1
HGD	HGC_27con	HGC_27004	NOTEST	0	0.01685	inf	1
HIF3A	HGC_27con	HGC_27004	NOTEST	0	0.05532	inf	1
HIGD2B	HGC_27con	HGC_27004	NOTEST	0	0.03396	inf	1
HIST1H2BI	HGC_27con	HGC_27004	NOTEST	0	0.14293	inf	1
HIST1H4L	HGC_27con	HGC_27004	NOTEST	0	0.21985	inf	1
HLA-DPA1	HGC_27con	HGC_27004	NOTEST	0	0.02207	inf	1
HLA-DQB1	HGC_27con	HGC_27004	NOTEST	0	0.02282	inf	1
HLX	HGC_27con	HGC_27004	NOTEST	0	0.02259	inf	1
HNF1B	HGC_27con	HGC_27004	NOTEST	0	0.01329	inf	1
HOXA10-HOXA9	HGC_27con	HGC_27004	NOTEST	0	0.06995	inf	1
HP	HGC_27con	HGC_27004	NOTEST	0	0.02635	inf	1
HPCAL4	HGC_27con	HGC_27004	NOTEST	0	0.02232	inf	1
HSD17B3	HGC_27con	HGC_27004	NOTEST	0	0.03201	inf	1
HSFY1P1	HGC_27con	HGC_27004	NOTEST	0	0.03017	inf	1
HTN1	HGC_27con	HGC_27004	NOTEST	0	0.10287	inf	1
IFIH1	HGC_27con	HGC_27004	NOTEST	0	0.00725	inf	1
IFT74-AS1	HGC_27con	HGC_27004	NOTEST	0	0.14551	inf	1
IGBP1P1	HGC_27con	HGC_27004	NOTEST	0	0.05277	inf	1
IGLL3P	HGC_27con	HGC_27004	NOTEST	0	0.13141	inf	1
IL17C	HGC_27con	HGC_27004	NOTEST	0	0.05596	inf	1
IL1R1	HGC_27con	HGC_27004	NOTEST	0	0.01207	inf	1
IL2	HGC_27con	HGC_27004	NOTEST	0	0.06131	inf	1
IL21R	HGC_27con	HGC_27004	NOTEST	0	0.02659	inf	1
IL37	HGC_27con	HGC_27004	NOTEST	0	0.05213	inf	1
IL7	HGC_27con	HGC_27004	NOTEST	0	0.03703	inf	1
IMPG2	HGC_27con	HGC_27004	NOTEST	0	0.00388	inf	1
INA	HGC_27con	HGC_27004	NOTEST	0	0.01159	inf	1
INSL6	HGC_27con	HGC_27004	NOTEST	0	0.05555	inf	1
IPW	HGC_27con	HGC_27004	NOTEST	0	0.02111	inf	1
IQCA1L	HGC_27con	HGC_27004	NOTEST	0	0.06435	inf	1
IQCF1	HGC_27con	HGC_27004	NOTEST	0	0.04788	inf	1
IQSEC3	HGC_27con	HGC_27004	NOTEST	0	0.02746	inf	1
IRF4	HGC_27con	HGC_27004	NOTEST	0	0.02036	inf	1
ITLN1	HGC_27con	HGC_27004	NOTEST	0	0.05383	inf	1
ITPKB-IT1	HGC_27con	HGC_27004	NOTEST	0	0.02424	inf	1
JARID2-AS1	HGC_27con	HGC_27004	NOTEST	0	0.18783	inf	1

JCHAIN	HGC_27con	HGC_27004	NOTEST	0	0.02835	inf	1
KCNA3	HGC_27con	HGC_27004	NOTEST	0	0.01649	inf	1
KCNB1	HGC_27con	HGC_27004	NOTEST	0	0.00816	inf	1
KCNC1	HGC_27con	HGC_27004	NOTEST	0	0.02171	inf	1
KCND2	HGC_27con	HGC_27004	NOTEST	0	0.03332	inf	1
KCNE5	HGC_27con	HGC_27004	NOTEST	0	0.12481	inf	1
KCNG4	HGC_27con	HGC_27004	NOTEST	0	0.0144	inf	1
KCNJ2	HGC_27con	HGC_27004	NOTEST	0	0.00654	inf	1
KCNK10	HGC_27con	HGC_27004	NOTEST	0	0.00895	inf	1
KCNK9	HGC_27con	HGC_27004	NOTEST	0	0.01721	inf	1
KCNQ5-IT1	HGC_27con	HGC_27004	NOTEST	0	0.08344	inf	1
KCNS2	HGC_27con	HGC_27004	NOTEST	0	0.013	inf	1
KDF1	HGC_27con	HGC_27004	NOTEST	0	0.02175	inf	1
KDR	HGC_27con	HGC_27004	NOTEST	0	0.00476	inf	1
KHDC1L	HGC_27con	HGC_27004	NOTEST	0	0.06924	inf	1
KHDC3L	HGC_27con	HGC_27004	NOTEST	0	0.03504	inf	1
KIAA1024L	HGC_27con	HGC_27004	NOTEST	0	0.07631	inf	1
KIF19	HGC_27con	HGC_27004	NOTEST	0	0.00883	inf	1
KIF5A	HGC_27con	HGC_27004	NOTEST	0	0.02091	inf	1
KLF14	HGC_27con	HGC_27004	NOTEST	0	0.07528	inf	1
KLHDC7A	HGC_27con	HGC_27004	NOTEST	0	0.00581	inf	1
KLHDC9	HGC_27con	HGC_27004	NOTEST	0	0.03886	inf	1
KLK11	HGC_27con	HGC_27004	NOTEST	0	0.03566	inf	1
KLKB1	HGC_27con	HGC_27004	NOTEST	0	0.02634	inf	1
KLRB1	HGC_27con	HGC_27004	NOTEST	0	0.06312	inf	1
KMO	HGC_27con	HGC_27004	NOTEST	0	0.0131	inf	1
KRT13	HGC_27con	HGC_27004	NOTEST	0	0.07209	inf	1
KRT14	HGC_27con	HGC_27004	NOTEST	0	0.07331	inf	1
KRT78	HGC_27con	HGC_27004	NOTEST	0	0.0112	inf	1
KRTAP19-3	HGC_27con	HGC_27004	NOTEST	0	0.11151	inf	1
KRTAP6-3	HGC_27con	HGC_27004	NOTEST	0	0.09694	inf	1
KSR2	HGC_27con	HGC_27004	NOTEST	0	0.00376	inf	1
LAMP5-AS1	HGC_27con	HGC_27004	NOTEST	0	0.03531	inf	1
LARGE-AS1	HGC_27con	HGC_27004	NOTEST	0	0.00984	inf	1
LAX1	HGC_27con	HGC_27004	NOTEST	0	0.0181	inf	1
LCNL1	HGC_27con	HGC_27004	NOTEST	0	0.02271	inf	1
LCT	HGC_27con	HGC_27004	NOTEST	0	0.00508	inf	1
LDLRAD1	HGC_27con	HGC_27004	NOTEST	0	0.01504	inf	1
LGALS4	HGC_27con	HGC_27004	NOTEST	0	0.02827	inf	1
LIN28A	HGC_27con	HGC_27004	NOTEST	0	0.00782	inf	1
LINC-PINT	HGC_27con	HGC_27004	NOTEST	0	0.09073	inf	1
LINC00092	HGC_27con	HGC_27004	NOTEST	0	0.02842	inf	1
LINC00211	HGC_27con	HGC_27004	NOTEST	0	0.01678	inf	1
LINC00222	HGC_27con	HGC_27004	NOTEST	0	0.01694	inf	1
LINC00229	HGC_27con	HGC_27004	NOTEST	0	0.05185	inf	1
LINC00239	HGC_27con	HGC_27004	NOTEST	0	0.049	inf	1
LINC00290	HGC_27con	HGC_27004	NOTEST	0	0.06215	inf	1
LINC00336	HGC_27con	HGC_27004	NOTEST	0	0.01499	inf	1
LINC00350	HGC_27con	HGC_27004	NOTEST	0	0.13316	inf	1
LINC00412	HGC_27con	HGC_27004	NOTEST	0	0.06321	inf	1
LINC00441	HGC_27con	HGC_27004	NOTEST	0	0.03445	inf	1
LINC00483	HGC_27con	HGC_27004	NOTEST	0	0.06606	inf	1
LINC00577	HGC_27con	HGC_27004	NOTEST	0	0.23899	inf	1
LINC00624	HGC_27con	HGC_27004	NOTEST	0	0.01058	inf	1

LINC00632	HGC_27con	HGC_27004	NOTEST	0	0.04729	inf	1
LINC00836	HGC_27con	HGC_27004	NOTEST	0	0.05685	inf	1
LINC00844	HGC_27con	HGC_27004	NOTEST	0	0.04935	inf	1
LINC00884	HGC_27con	HGC_27004	NOTEST	0	0.05019	inf	1
LINC00970	HGC_27con	HGC_27004	NOTEST	0	0.03561	inf	1
LINC00992	HGC_27con	HGC_27004	NOTEST	0	0.01288	inf	1
LINC01018	HGC_27con	HGC_27004	NOTEST	0	0.01207	inf	1
LINC01048	HGC_27con	HGC_27004	NOTEST	0	0.25049	inf	1
LINC01072	HGC_27con	HGC_27004	NOTEST	0	0.12485	inf	1
LINC01085	HGC_27con	HGC_27004	NOTEST	0	0.01696	inf	1
LINC01087	HGC_27con	HGC_27004	NOTEST	0	0.03339	inf	1
LINC01097	HGC_27con	HGC_27004	NOTEST	0	0.01616	inf	1
LINC01099	HGC_27con	HGC_27004	NOTEST	0	0.02238	inf	1
LINC01114	HGC_27con	HGC_27004	NOTEST	0	0.01217	inf	1
LINC01122	HGC_27con	HGC_27004	NOTEST	0	0.02577	inf	1
LINC01141	HGC_27con	HGC_27004	NOTEST	0	0.00789	inf	1
LINC01202	HGC_27con	HGC_27004	NOTEST	0	0.06954	inf	1
LINC01251	HGC_27con	HGC_27004	NOTEST	0	0.07389	inf	1
LINC01277	HGC_27con	HGC_27004	NOTEST	0	0.01434	inf	1
LINC01314	HGC_27con	HGC_27004	NOTEST	0	0.01272	inf	1
LINC01322	HGC_27con	HGC_27004	NOTEST	0	0.05287	inf	1
LINC01324	HGC_27con	HGC_27004	NOTEST	0	0.03622	inf	1
LINC01343	HGC_27con	HGC_27004	NOTEST	0	0.01395	inf	1
LINC01349	HGC_27con	HGC_27004	NOTEST	0	0.04498	inf	1
LINC01428	HGC_27con	HGC_27004	NOTEST	0	0.03646	inf	1
LINC01432	HGC_27con	HGC_27004	NOTEST	0	0.05999	inf	1
LINC01433	HGC_27con	HGC_27004	NOTEST	0	0.08186	inf	1
LINC01443	HGC_27con	HGC_27004	NOTEST	0	0.05965	inf	1
LINC01474	HGC_27con	HGC_27004	NOTEST	0	0.13775	inf	1
LINC01476	HGC_27con	HGC_27004	NOTEST	0	0.06577	inf	1
LINC01566	HGC_27con	HGC_27004	NOTEST	0	0.02793	inf	1
LINC01585	HGC_27con	HGC_27004	NOTEST	0	0.02565	inf	1
LINC01600	HGC_27con	HGC_27004	NOTEST	0	0.02356	inf	1
LINC01607	HGC_27con	HGC_27004	NOTEST	0	0.22885	inf	1
LL22NC03-63E9.3	HGC_27con	HGC_27004	NOTEST	0	0.01953	inf	1
LOC100128164	HGC_27con	HGC_27004	NOTEST	0	0.00505	inf	1
LOC100128317	HGC_27con	HGC_27004	NOTEST	0	0.00742	inf	1
LOC100128714	HGC_27con	HGC_27004	NOTEST	0	0.06152	inf	1
LOC100129055	HGC_27con	HGC_27004	NOTEST	0	0.0134	inf	1
LOC100130476	HGC_27con	HGC_27004	NOTEST	0	0.0194	inf	1
LOC100131107	HGC_27con	HGC_27004	NOTEST	0	0.02072	inf	1
LOC100271832	HGC_27con	HGC_27004	NOTEST	0	0.02166	inf	1
LOC100287036	HGC_27con	HGC_27004	NOTEST	0	0.05175	inf	1
LOC100287225	HGC_27con	HGC_27004	NOTEST	0	0.01071	inf	1
LOC100287792	HGC_27con	HGC_27004	NOTEST	0	0.01642	inf	1
LOC100289473	HGC_27con	HGC_27004	NOTEST	0	0.04913	inf	1
LOC100421746	HGC_27con	HGC_27004	NOTEST	0	0.07557	inf	1
LOC100422556	HGC_27con	HGC_27004	NOTEST	0	0.08588	inf	1
LOC100505530	HGC_27con	HGC_27004	NOTEST	0	0.06709	inf	1
LOC100506393	HGC_27con	HGC_27004	NOTEST	0	0.13584	inf	1
LOC100507091	HGC_27con	HGC_27004	NOTEST	0	0.02721	inf	1
LOC100507201	HGC_27con	HGC_27004	NOTEST	0	0.04625	inf	1
LOC100507391	HGC_27con	HGC_27004	NOTEST	0	0.00978	inf	1
LOC100507537	HGC_27con	HGC_27004	NOTEST	0	0.05158	inf	1

LOC101060019	HGC_27con	HGC_27004	NOTEST	0	0.05328	inf	1
LOC101593348	HGC_27con	HGC_27004	NOTEST	0	0.0324	inf	1
LOC101926892	HGC_27con	HGC_27004	NOTEST	0	0.05336	inf	1
LOC101926905	HGC_27con	HGC_27004	NOTEST	0	0.0339	inf	1
LOC101926915	HGC_27con	HGC_27004	NOTEST	0	0.00825	inf	1
LOC101927040	HGC_27con	HGC_27004	NOTEST	0	0.01207	inf	1
LOC101927055	HGC_27con	HGC_27004	NOTEST	0	0.03935	inf	1
LOC101927142	HGC_27con	HGC_27004	NOTEST	0	0.07604	inf	1
LOC101927156	HGC_27con	HGC_27004	NOTEST	0	0.05265	inf	1
LOC101927157	HGC_27con	HGC_27004	NOTEST	0	0.05152	inf	1
LOC101927190	HGC_27con	HGC_27004	NOTEST	0	0.0125	inf	1
LOC101927284	HGC_27con	HGC_27004	NOTEST	0	0.01178	inf	1
LOC101927378	HGC_27con	HGC_27004	NOTEST	0	0.22158	inf	1
LOC101927411	HGC_27con	HGC_27004	NOTEST	0	0.01163	inf	1
LOC101927472	HGC_27con	HGC_27004	NOTEST	0	0.05653	inf	1
LOC101927502	HGC_27con	HGC_27004	NOTEST	0	0.05528	inf	1
LOC101927762	HGC_27con	HGC_27004	NOTEST	0	0.11793	inf	1
LOC101927814	HGC_27con	HGC_27004	NOTEST	0	0.0279	inf	1
LOC101927817	HGC_27con	HGC_27004	NOTEST	0	0.01702	inf	1
LOC101927839	HGC_27con	HGC_27004	NOTEST	0	0.05254	inf	1
LOC101927851	HGC_27con	HGC_27004	NOTEST	0	0.0531	inf	1
LOC101927901	HGC_27con	HGC_27004	NOTEST	0	0.00986	inf	1
LOC101927972	HGC_27con	HGC_27004	NOTEST	0	0.13709	inf	1
LOC101928140	HGC_27con	HGC_27004	NOTEST	0	0.09507	inf	1
LOC101928163	HGC_27con	HGC_27004	NOTEST	0	0.02505	inf	1
LOC101928259	HGC_27con	HGC_27004	NOTEST	0	0.07089	inf	1
LOC101928266	HGC_27con	HGC_27004	NOTEST	0	0.01487	inf	1
LOC101928304	HGC_27con	HGC_27004	NOTEST	0	0.10102	inf	1
LOC101928386	HGC_27con	HGC_27004	NOTEST	0	0.03387	inf	1
LOC101928404	HGC_27con	HGC_27004	NOTEST	0	0.01226	inf	1
LOC101928530	HGC_27con	HGC_27004	NOTEST	0	0.08394	inf	1
LOC101928539	HGC_27con	HGC_27004	NOTEST	0	0.01559	inf	1
LOC101928885	HGC_27con	HGC_27004	NOTEST	0	0.01455	inf	1
LOC101928896	HGC_27con	HGC_27004	NOTEST	0	0.1263	inf	1
LOC101929023	HGC_27con	HGC_27004	NOTEST	0	0.11604	inf	1
LOC101929144	HGC_27con	HGC_27004	NOTEST	0	0.01974	inf	1
LOC101929295	HGC_27con	HGC_27004	NOTEST	0	0.03869	inf	1
LOC101929374	HGC_27con	HGC_27004	NOTEST	0	0.08294	inf	1
LOC101929526	HGC_27con	HGC_27004	NOTEST	0	0.01768	inf	1
LOC101929550	HGC_27con	HGC_27004	NOTEST	0	0.01292	inf	1
LOC101929741	HGC_27con	HGC_27004	NOTEST	0	0.12754	inf	1
LOC101929754	HGC_27con	HGC_27004	NOTEST	0	0.04187	inf	1
LOC101930010	HGC_27con	HGC_27004	NOTEST	0	0.04241	inf	1
LOC102477328	HGC_27con	HGC_27004	NOTEST	0	0.05087	inf	1
LOC102546226	HGC_27con	HGC_27004	NOTEST	0	0.01759	inf	1
LOC102723703	HGC_27con	HGC_27004	NOTEST	0	0.11881	inf	1
LOC102723704	HGC_27con	HGC_27004	NOTEST	0	0.07816	inf	1
LOC102724589	HGC_27con	HGC_27004	NOTEST	0	0.25482	inf	1
LOC102724612	HGC_27con	HGC_27004	NOTEST	0	0.01168	inf	1
LOC102724691	HGC_27con	HGC_27004	NOTEST	0	0.05457	inf	1
LOC154761	HGC_27con	HGC_27004	NOTEST	0	0.0141	inf	1
LOC158435	HGC_27con	HGC_27004	NOTEST	0	0.01174	inf	1
LOC283045	HGC_27con	HGC_27004	NOTEST	0	0.01247	inf	1
LOC284825	HGC_27con	HGC_27004	NOTEST	0	0.0522	inf	1

LOC285627	HGC_27con	HGC_27004	NOTEST	0	0.03081	inf	1
LOC285740	HGC_27con	HGC_27004	NOTEST	0	0.05927	inf	1
LOC286059	HGC_27con	HGC_27004	NOTEST	0	0.06324	inf	1
LOC339803	HGC_27con	HGC_27004	NOTEST	0	0.0151	inf	1
LOC344967	HGC_27con	HGC_27004	NOTEST	0	0.02402	inf	1
LOC388406	HGC_27con	HGC_27004	NOTEST	0	0.06817	inf	1
LOC400558	HGC_27con	HGC_27004	NOTEST	0	0.03026	inf	1
LOC439933	HGC_27con	HGC_27004	NOTEST	0	0.03159	inf	1
LOC441455	HGC_27con	HGC_27004	NOTEST	0	0.0169	inf	1
LOC541472	HGC_27con	HGC_27004	NOTEST	0	0.03163	inf	1
LOC574538	HGC_27con	HGC_27004	NOTEST	0	0.00986	inf	1
LOC642426	HGC_27con	HGC_27004	NOTEST	0	0.02489	inf	1
LOC642943	HGC_27con	HGC_27004	NOTEST	0	0.00596	inf	1
LOC643201	HGC_27con	HGC_27004	NOTEST	0	0.01364	inf	1
LOC643802	HGC_27con	HGC_27004	NOTEST	0	0.01742	inf	1
LOC644669	HGC_27con	HGC_27004	NOTEST	0	0.01562	inf	1
LOC645949	HGC_27con	HGC_27004	NOTEST	0	0.03064	inf	1
LOC653786	HGC_27con	HGC_27004	NOTEST	0	0.01317	inf	1
LOC729159	HGC_27con	HGC_27004	NOTEST	0	0.02585	inf	1
LOC729739	HGC_27con	HGC_27004	NOTEST	0	0.10728	inf	1
LRRC3-AS1	HGC_27con	HGC_27004	NOTEST	0	0.04933	inf	1
LRRC63	HGC_27con	HGC_27004	NOTEST	0	0.09872	inf	1
LRRC71	HGC_27con	HGC_27004	NOTEST	0	0.017	inf	1
LRRTM4	HGC_27con	HGC_27004	NOTEST	0	0.05637	inf	1
LURAP1L-AS1	HGC_27con	HGC_27004	NOTEST	0	0.03274	inf	1
LY6D	HGC_27con	HGC_27004	NOTEST	0	0.06421	inf	1
LY6K	HGC_27con	HGC_27004	NOTEST	0	0.02239	inf	1
LYPD6B	HGC_27con	HGC_27004	NOTEST	0	0.18248	inf	1
MAFB	HGC_27con	HGC_27004	NOTEST	0	0.01293	inf	1
MAGEA8	HGC_27con	HGC_27004	NOTEST	0	0.01719	inf	1
MAGI1-AS1	HGC_27con	HGC_27004	NOTEST	0	0.09941	inf	1
MAP1LC3B2	HGC_27con	HGC_27004	NOTEST	0	0.04346	inf	1
MB21D1	HGC_27con	HGC_27004	NOTEST	0	0.06143	inf	1
MEF2C-AS1	HGC_27con	HGC_27004	NOTEST	0	0.09445	inf	1
MEGF10	HGC_27con	HGC_27004	NOTEST	0	0.01546	inf	1
MEIS1-AS2	HGC_27con	HGC_27004	NOTEST	0	0.14428	inf	1
MFSD2B	HGC_27con	HGC_27004	NOTEST	0	0.03313	inf	1
MIR133A1HG	HGC_27con	HGC_27004	NOTEST	0	0.02799	inf	1
MIR155HG	HGC_27con	HGC_27004	NOTEST	0	0.02856	inf	1
MIR199A2	HGC_27con	HGC_27004	NOTEST	0	0.30167	inf	1
MIR217HG	HGC_27con	HGC_27004	NOTEST	0	0.05613	inf	1
MIR7-3HG	HGC_27con	HGC_27004	NOTEST	0	0.04487	inf	1
MKRN9P	HGC_27con	HGC_27004	NOTEST	0	0.03017	inf	1
MOBP	HGC_27con	HGC_27004	NOTEST	0	0.00476	inf	1
MORN3	HGC_27con	HGC_27004	NOTEST	0	0.04705	inf	1
MROH7-TTC4	HGC_27con	HGC_27004	NOTEST	0	0.14119	inf	1
MSC-AS1	HGC_27con	HGC_27004	NOTEST	0	0.01669	inf	1
MSTO2P	HGC_27con	HGC_27004	NOTEST	0	0.03037	inf	1
MT1G	HGC_27con	HGC_27004	NOTEST	0	0.25104	inf	1
MTHFD2P1	HGC_27con	HGC_27004	NOTEST	0	0.013	inf	1
MTUS2-AS1	HGC_27con	HGC_27004	NOTEST	0	0.05937	inf	1
MTVR2	HGC_27con	HGC_27004	NOTEST	0	0.14928	inf	1
MX2	HGC_27con	HGC_27004	NOTEST	0	0.00997	inf	1
MYO1H	HGC_27con	HGC_27004	NOTEST	0	0.01381	inf	1

MYO3A	HGC_27con	HGC_27004	NOTEST	0	0.00925	inf	1
MYOCD	HGC_27con	HGC_27004	NOTEST	0	0.00342	inf	1
MYRFL	HGC_27con	HGC_27004	NOTEST	0	0.0098	inf	1
NANOGB	HGC_27con	HGC_27004	NOTEST	0	0.02607	inf	1
NBPF22P	HGC_27con	HGC_27004	NOTEST	0	0.02348	inf	1
NCF1B	HGC_27con	HGC_27004	NOTEST	0	0.02694	inf	1
NCF1C	HGC_27con	HGC_27004	NOTEST	0	0.02721	inf	1
NCRUPAR	HGC_27con	HGC_27004	NOTEST	0	0.1883	inf	1
NEGR1	HGC_27con	HGC_27004	NOTEST	0	0.01763	inf	1
NLRP3	HGC_27con	HGC_27004	NOTEST	0	0.00713	inf	1
NPM2	HGC_27con	HGC_27004	NOTEST	0	0.03591	inf	1
NPPC	HGC_27con	HGC_27004	NOTEST	0	0.29832	inf	1
NROB1	HGC_27con	HGC_27004	NOTEST	0	0.03151	inf	1
NR1I2	HGC_27con	HGC_27004	NOTEST	0	0.01149	inf	1
NRON	HGC_27con	HGC_27004	NOTEST	0	0.01169	inf	1
NRROS	HGC_27con	HGC_27004	NOTEST	0	0.01696	inf	1
NWD2	HGC_27con	HGC_27004	NOTEST	0	0.01996	inf	1
NXPE4	HGC_27con	HGC_27004	NOTEST	0	0.01859	inf	1
NYAP2	HGC_27con	HGC_27004	NOTEST	0	0.04024	inf	1
OACYLP	HGC_27con	HGC_27004	NOTEST	0	0.09791	inf	1
OASL	HGC_27con	HGC_27004	NOTEST	0	0.01835	inf	1
ODF3	HGC_27con	HGC_27004	NOTEST	0	0.03615	inf	1
OR10A4	HGC_27con	HGC_27004	NOTEST	0	0.05319	inf	1
OR10V2P	HGC_27con	HGC_27004	NOTEST	0	0.07923	inf	1
OR13H1	HGC_27con	HGC_27004	NOTEST	0	0.14831	inf	1
OR1E1	HGC_27con	HGC_27004	NOTEST	0	0.14688	inf	1
OR3A4P	HGC_27con	HGC_27004	NOTEST	0	0.04056	inf	1
OR4C13	HGC_27con	HGC_27004	NOTEST	0	0.05416	inf	1
OR51A4	HGC_27con	HGC_27004	NOTEST	0	0.06619	inf	1
OR51B4	HGC_27con	HGC_27004	NOTEST	0	0.06448	inf	1
OR8B2	HGC_27con	HGC_27004	NOTEST	0	0.07672	inf	1
OR8B3	HGC_27con	HGC_27004	NOTEST	0	0.07724	inf	1
OR8G1	HGC_27con	HGC_27004	NOTEST	0	0.06866	inf	1
OTP	HGC_27con	HGC_27004	NOTEST	0	0.02028	inf	1
OTUD7A	HGC_27con	HGC_27004	NOTEST	0	0.01279	inf	1
OVCH2	HGC_27con	HGC_27004	NOTEST	0	0.03656	inf	1
OVOL2	HGC_27con	HGC_27004	NOTEST	0	0.0324	inf	1
OXT	HGC_27con	HGC_27004	NOTEST	0	0.17314	inf	1
P2RY12	HGC_27con	HGC_27004	NOTEST	0	0.0167	inf	1
P2RY14	HGC_27con	HGC_27004	NOTEST	0	0.03066	inf	1
PACRG	HGC_27con	HGC_27004	NOTEST	0	0.02552	inf	1
PAPL	HGC_27con	HGC_27004	NOTEST	0	0.01214	inf	1
PAPPA-AS1	HGC_27con	HGC_27004	NOTEST	0	0.09165	inf	1
PCDH9-AS3	HGC_27con	HGC_27004	NOTEST	0	0.13837	inf	1
PCOLCE2	HGC_27con	HGC_27004	NOTEST	0	0.03607	inf	1
PDCD1	HGC_27con	HGC_27004	NOTEST	0	0.07047	inf	1
PDE11A	HGC_27con	HGC_27004	NOTEST	0	0.05035	inf	1
PECAM1	HGC_27con	HGC_27004	NOTEST	0	0.02187	inf	1
PHF11	HGC_27con	HGC_27004	NOTEST	0	0.03661	inf	1
PHF24	HGC_27con	HGC_27004	NOTEST	0	0.0225	inf	1
PI16	HGC_27con	HGC_27004	NOTEST	0	0.01631	inf	1
PIH1D3	HGC_27con	HGC_27004	NOTEST	0	0.01909	inf	1
PIWIL3	HGC_27con	HGC_27004	NOTEST	0	0.01611	inf	1
PKNOX2-AS1	HGC_27con	HGC_27004	NOTEST	0	0.25017	inf	1

PLA2G16	HGC_27con	HGC_27004	NOTEST	0	0.03756	inf	1
PLAGL1	HGC_27con	HGC_27004	NOTEST	0	0.03571	inf	1
PLBD1	HGC_27con	HGC_27004	NOTEST	0	0.01731	inf	1
PLCL1	HGC_27con	HGC_27004	NOTEST	0	0.02354	inf	1
PLN	HGC_27con	HGC_27004	NOTEST	0	0.02691	inf	1
PLVAP	HGC_27con	HGC_27004	NOTEST	0	0.0132	inf	1
PMS2P7	HGC_27con	HGC_27004	NOTEST	0	0.30622	inf	1
POC1B-GALNT4	HGC_27con	HGC_27004	NOTEST	0	0.26282	inf	1
PODN	HGC_27con	HGC_27004	NOTEST	0	0.02363	inf	1
POM121L1P	HGC_27con	HGC_27004	NOTEST	0	0.00786	inf	1
POU4F1	HGC_27con	HGC_27004	NOTEST	0	0.00908	inf	1
PPIAP30	HGC_27con	HGC_27004	NOTEST	0	0.07287	inf	1
PPP1R14A	HGC_27con	HGC_27004	NOTEST	0	0.05692	inf	1
PPP1R27	HGC_27con	HGC_27004	NOTEST	0	0.12359	inf	1
PRELID2	HGC_27con	HGC_27004	NOTEST	0	0.02207	inf	1
PRO1804	HGC_27con	HGC_27004	NOTEST	0	0.01442	inf	1
PRODH2	HGC_27con	HGC_27004	NOTEST	0	0.02193	inf	1
PROM1	HGC_27con	HGC_27004	NOTEST	0	0.00901	inf	1
PRPH2	HGC_27con	HGC_27004	NOTEST	0	0.02218	inf	1
PRR16	HGC_27con	HGC_27004	NOTEST	0	0.0255	inf	1
PRR23A	HGC_27con	HGC_27004	NOTEST	0	0.01826	inf	1
PRSS35	HGC_27con	HGC_27004	NOTEST	0	0.0116	inf	1
PRSS37	HGC_27con	HGC_27004	NOTEST	0	0.03191	inf	1
PRSS45	HGC_27con	HGC_27004	NOTEST	0	0.03966	inf	1
PRSS55	HGC_27con	HGC_27004	NOTEST	0	0.03588	inf	1
PTN	HGC_27con	HGC_27004	NOTEST	0	0.01691	inf	1
PTTG3P	HGC_27con	HGC_27004	NOTEST	0	0.06082	inf	1
PTX3	HGC_27con	HGC_27004	NOTEST	0	0.01708	inf	1
PURG	HGC_27con	HGC_27004	NOTEST	0	0.01546	inf	1
PXDNL	HGC_27con	HGC_27004	NOTEST	0	0.00693	inf	1
RAB17	HGC_27con	HGC_27004	NOTEST	0	0.06291	inf	1
RAB25	HGC_27con	HGC_27004	NOTEST	0	0.06581	inf	1
RAB6C	HGC_27con	HGC_27004	NOTEST	0	0.03466	inf	1
RAB9BP1	HGC_27con	HGC_27004	NOTEST	0	0.05591	inf	1
RALGAPA1P	HGC_27con	HGC_27004	NOTEST	0	0.1442	inf	1
RAX2	HGC_27con	HGC_27004	NOTEST	0	0.08459	inf	1
RBAK-RBAKDN	HGC_27con	HGC_27004	NOTEST	0	0.152	inf	1
RBMXL2	HGC_27con	HGC_27004	NOTEST	0	0.01887	inf	1
RBP1	HGC_27con	HGC_27004	NOTEST	0	0.08403	inf	1
RCAN3AS	HGC_27con	HGC_27004	NOTEST	0	0.13069	inf	1
REC114	HGC_27con	HGC_27004	NOTEST	0	0.14364	inf	1
RERGL	HGC_27con	HGC_27004	NOTEST	0	0.0357	inf	1
RFPL2	HGC_27con	HGC_27004	NOTEST	0	0.02388	inf	1
RGS13	HGC_27con	HGC_27004	NOTEST	0	0.02362	inf	1
RGS21	HGC_27con	HGC_27004	NOTEST	0	0.02115	inf	1
RGS9	HGC_27con	HGC_27004	NOTEST	0	0.01729	inf	1
RHO	HGC_27con	HGC_27004	NOTEST	0	0.01317	inf	1
RNASE2	HGC_27con	HGC_27004	NOTEST	0	0.13448	inf	1
RNF151	HGC_27con	HGC_27004	NOTEST	0	0.12578	inf	1
RNF152	HGC_27con	HGC_27004	NOTEST	0	0.21253	inf	1
RNF182	HGC_27con	HGC_27004	NOTEST	0	0.01134	inf	1
ROS1	HGC_27con	HGC_27004	NOTEST	0	0.008	inf	1
RPL13AP17	HGC_27con	HGC_27004	NOTEST	0	0.0165	inf	1
RPL13AP6	HGC_27con	HGC_27004	NOTEST	0	0.13666	inf	1

RPL3L	HGC_27con	HGC_27004	NOTEST	0	0.02231	inf	1
RPRM	HGC_27con	HGC_27004	NOTEST	0	0.06094	inf	1
RPS16P5	HGC_27con	HGC_27004	NOTEST	0	0.01785	inf	1
RPSAP52	HGC_27con	HGC_27004	NOTEST	0	0.0318	inf	1
RSPH4A	HGC_27con	HGC_27004	NOTEST	0	0.02723	inf	1
RTP2	HGC_27con	HGC_27004	NOTEST	0	0.02842	inf	1
RUVBL1-AS1	HGC_27con	HGC_27004	NOTEST	0	0.09681	inf	1
SATB1-AS1	HGC_27con	HGC_27004	NOTEST	0	0.04293	inf	1
SCEL	HGC_27con	HGC_27004	NOTEST	0	0.00828	inf	1
SCGB1C1,SCGB1C2	HGC_27con	HGC_27004	NOTEST	0	0.115	inf	1
SCN2A	HGC_27con	HGC_27004	NOTEST	0	0.00361	inf	1
SCN3A	HGC_27con	HGC_27004	NOTEST	0	0.00708	inf	1
SEBOX	HGC_27con	HGC_27004	NOTEST	0	0.27142	inf	1
SEMA5B	HGC_27con	HGC_27004	NOTEST	0	0.01746	inf	1
SERPINB3	HGC_27con	HGC_27004	NOTEST	0	0.018	inf	1
SERPINB9P1	HGC_27con	HGC_27004	NOTEST	0	0.02796	inf	1
SERPIND1	HGC_27con	HGC_27004	NOTEST	0	0.01385	inf	1
SFRP2	HGC_27con	HGC_27004	NOTEST	0	0.02257	inf	1
SFTPA2	HGC_27con	HGC_27004	NOTEST	0	0.01498	inf	1
SFTPC	HGC_27con	HGC_27004	NOTEST	0	0.15614	inf	1
SGCZ	HGC_27con	HGC_27004	NOTEST	0	0.02982	inf	1
SH2D1B	HGC_27con	HGC_27004	NOTEST	0	0.01457	inf	1
SH2D2A	HGC_27con	HGC_27004	NOTEST	0	0.02419	inf	1
SHE	HGC_27con	HGC_27004	NOTEST	0	0.00548	inf	1
SIDT1	HGC_27con	HGC_27004	NOTEST	0	0.02174	inf	1
SIGLEC17P	HGC_27con	HGC_27004	NOTEST	0	0.06915	inf	1
SLC10A1	HGC_27con	HGC_27004	NOTEST	0	0.04688	inf	1
SLC15A2	HGC_27con	HGC_27004	NOTEST	0	0.01273	inf	1
SLC17A6	HGC_27con	HGC_27004	NOTEST	0	0.009	inf	1
SLC22A25	HGC_27con	HGC_27004	NOTEST	0	0.02355	inf	1
SLC24A3	HGC_27con	HGC_27004	NOTEST	0	0.00864	inf	1
SLC25A31	HGC_27con	HGC_27004	NOTEST	0	0.02638	inf	1
SLC26A3	HGC_27con	HGC_27004	NOTEST	0	0.0124	inf	1
SLC26A5	HGC_27con	HGC_27004	NOTEST	0	0.06053	inf	1
SLC26A8	HGC_27con	HGC_27004	NOTEST	0	0.01073	inf	1
SLC28A3	HGC_27con	HGC_27004	NOTEST	0	0.00786	inf	1
SLC30A2	HGC_27con	HGC_27004	NOTEST	0	0.01431	inf	1
SLC30A8	HGC_27con	HGC_27004	NOTEST	0	0.00628	inf	1
SLC35G5	HGC_27con	HGC_27004	NOTEST	0	0.08543	inf	1
SLC39A2	HGC_27con	HGC_27004	NOTEST	0	0.03098	inf	1
SLC39A4	HGC_27con	HGC_27004	NOTEST	0	0.09577	inf	1
SLC3A1	HGC_27con	HGC_27004	NOTEST	0	0.04059	inf	1
SLC47A2	HGC_27con	HGC_27004	NOTEST	0	0.11391	inf	1
SLC5A1	HGC_27con	HGC_27004	NOTEST	0	0.00673	inf	1
SLC6A18	HGC_27con	HGC_27004	NOTEST	0	0.02096	inf	1
SLC8A1-AS1	HGC_27con	HGC_27004	NOTEST	0	0.09962	inf	1
SLCO1C1	HGC_27con	HGC_27004	NOTEST	0	0.0107	inf	1
SLIT2-IT1	HGC_27con	HGC_27004	NOTEST	0	0.08959	inf	1
SLITRK1	HGC_27con	HGC_27004	NOTEST	0	0.02245	inf	1
SLURP1	HGC_27con	HGC_27004	NOTEST	0	0.12253	inf	1
SMIM24	HGC_27con	HGC_27004	NOTEST	0	0.02929	inf	1
SNX32	HGC_27con	HGC_27004	NOTEST	0	0.03803	inf	1
SP140	HGC_27con	HGC_27004	NOTEST	0	0.00801	inf	1
SPATA31C2	HGC_27con	HGC_27004	NOTEST	0	0.00839	inf	1

SPDYE8P	HGC_27con	HGC_27004	NOTEST	0	0.03304	inf	1
SPI1	HGC_27con	HGC_27004	NOTEST	0	0.09505	inf	1
SPINK4	HGC_27con	HGC_27004	NOTEST	0	0.21441	inf	1
SPRR1B	HGC_27con	HGC_27004	NOTEST	0	0.20936	inf	1
SRD5A1P1	HGC_27con	HGC_27004	NOTEST	0	0.02117	inf	1
SRGN	HGC_27con	HGC_27004	NOTEST	0	0.06392	inf	1
SSUH2	HGC_27con	HGC_27004	NOTEST	0	0.0205	inf	1
ST3GAL6	HGC_27con	HGC_27004	NOTEST	0	0.0193	inf	1
ST7-AS2	HGC_27con	HGC_27004	NOTEST	0	0.08657	inf	1
ST8SIA3	HGC_27con	HGC_27004	NOTEST	0	0.00348	inf	1
ST8SIA6	HGC_27con	HGC_27004	NOTEST	0	0.02511	inf	1
STH	HGC_27con	HGC_27004	NOTEST	0	0.10468	inf	1
STMN2	HGC_27con	HGC_27004	NOTEST	0	0.01562	inf	1
STPG1	HGC_27con	HGC_27004	NOTEST	0	0.01354	inf	1
STPG2-AS1	HGC_27con	HGC_27004	NOTEST	0	0.08918	inf	1
STX17-AS1	HGC_27con	HGC_27004	NOTEST	0	0.23216	inf	1
SUPT20HL2	HGC_27con	HGC_27004	NOTEST	0	0.04164	inf	1
SVIP	HGC_27con	HGC_27004	NOTEST	0	0.05937	inf	1
SYN1	HGC_27con	HGC_27004	NOTEST	0	0.01371	inf	1
SYNPO2L	HGC_27con	HGC_27004	NOTEST	0	0.0149	inf	1
SYP-AS1	HGC_27con	HGC_27004	NOTEST	0	0.09388	inf	1
SYT10	HGC_27con	HGC_27004	NOTEST	0	0.01045	inf	1
SYT14	HGC_27con	HGC_27004	NOTEST	0	0.0143	inf	1
TAAR6	HGC_27con	HGC_27004	NOTEST	0	0.04461	inf	1
TAC3	HGC_27con	HGC_27004	NOTEST	0	0.05526	inf	1
TACR1	HGC_27con	HGC_27004	NOTEST	0	0.02346	inf	1
TACR3	HGC_27con	HGC_27004	NOTEST	0	0.02358	inf	1
TAS2R13	HGC_27con	HGC_27004	NOTEST	0	0.02321	inf	1
TAS2R40	HGC_27con	HGC_27004	NOTEST	0	0.1028	inf	1
TAS2R46	HGC_27con	HGC_27004	NOTEST	0	0.09915	inf	1
TBC1D29	HGC_27con	HGC_27004	NOTEST	0	0.05374	inf	1
TCEB3CL,TCEB3CL2	HGC_27con	HGC_27004	NOTEST	0	0.02332	inf	1
TCTEX1D1	HGC_27con	HGC_27004	NOTEST	0	0.01807	inf	1
TDO2	HGC_27con	HGC_27004	NOTEST	0	0.03794	inf	1
TDRD12	HGC_27con	HGC_27004	NOTEST	0	0.03471	inf	1
TEKT3	HGC_27con	HGC_27004	NOTEST	0	0.03363	inf	1
TEX36-AS1	HGC_27con	HGC_27004	NOTEST	0	0.051	inf	1
TFEC	HGC_27con	HGC_27004	NOTEST	0	0.00565	inf	1
TGM4	HGC_27con	HGC_27004	NOTEST	0	0.01034	inf	1
THEMIS2	HGC_27con	HGC_27004	NOTEST	0	0.03104	inf	1
THOC7-AS1	HGC_27con	HGC_27004	NOTEST	0	0.13247	inf	1
THRSP	HGC_27con	HGC_27004	NOTEST	0	0.02857	inf	1
TLR2	HGC_27con	HGC_27004	NOTEST	0	0.03348	inf	1
TLR8-AS1	HGC_27con	HGC_27004	NOTEST	0	0.09375	inf	1
TM4SF19	HGC_27con	HGC_27004	NOTEST	0	0.03148	inf	1
TMC3-AS1	HGC_27con	HGC_27004	NOTEST	0	0.03021	inf	1
TMEM213	HGC_27con	HGC_27004	NOTEST	0	0.01008	inf	1
TMEM30B	HGC_27con	HGC_27004	NOTEST	0	0.00923	inf	1
TMIGD2	HGC_27con	HGC_27004	NOTEST	0	0.03026	inf	1
TMPRSS11A	HGC_27con	HGC_27004	NOTEST	0	0.01287	inf	1
TNFSF13B	HGC_27con	HGC_27004	NOTEST	0	0.02561	inf	1
TP53AIP1	HGC_27con	HGC_27004	NOTEST	0	0.01109	inf	1
TRIM22	HGC_27con	HGC_27004	NOTEST	0	0.01004	inf	1
TRIM48	HGC_27con	HGC_27004	NOTEST	0	0.02264	inf	1

TRPM1	HGC_27con	HGC_27004	NOTEST	0	0.03634	inf	1
TRPV5	HGC_27con	HGC_27004	NOTEST	0	0.01253	inf	1
TSNAX-DISC1	HGC_27con	HGC_27004	NOTEST	0	0.07177	inf	1
TSPAN16	HGC_27con	HGC_27004	NOTEST	0	0.03896	inf	1
TSTD1	HGC_27con	HGC_27004	NOTEST	0	0.13464	inf	1
TUBA3E	HGC_27con	HGC_27004	NOTEST	0	0.02329	inf	1
TXNDC12-AS1	HGC_27con	HGC_27004	NOTEST	0	0.17263	inf	1
TYR	HGC_27con	HGC_27004	NOTEST	0	0.01619	inf	1
UGT2B15,UGT2B17	HGC_27con	HGC_27004	NOTEST	0	0.01486	inf	1
UGT2B4	HGC_27con	HGC_27004	NOTEST	0	0.01822	inf	1
UNC13C	HGC_27con	HGC_27004	NOTEST	0	0.01326	inf	1
UPK1A-AS1	HGC_27con	HGC_27004	NOTEST	0	0.13437	inf	1
USP17L15	HGC_27con	HGC_27004	NOTEST	0	0.01932	inf	1
VAV3-AS1	HGC_27con	HGC_27004	NOTEST	0	0.0665	inf	1
VCX3B	HGC_27con	HGC_27004	NOTEST	0	0.02936	inf	1
VEGFC	HGC_27con	HGC_27004	NOTEST	0	0.01549	inf	1
VTCN1	HGC_27con	HGC_27004	NOTEST	0	0.05734	inf	1
WNT16	HGC_27con	HGC_27004	NOTEST	0	0.0117	inf	1
XAF1	HGC_27con	HGC_27004	NOTEST	0	0.00754	inf	1
XIST	HGC_27con	HGC_27004	NOTEST	0	0.00198	inf	1
XXYL1-AS2	HGC_27con	HGC_27004	NOTEST	0	0.07983	inf	1
ZAR1L	HGC_27con	HGC_27004	NOTEST	0	0.07473	inf	1
ZG16B	HGC_27con	HGC_27004	NOTEST	0	0.04512	inf	1
ZNF366	HGC_27con	HGC_27004	NOTEST	0	0.00489	inf	1
ZNF541	HGC_27con	HGC_27004	NOTEST	0	0.00679	inf	1
ZNF626	HGC_27con	HGC_27004	NOTEST	0	0.00995	inf	1
ZNF648	HGC_27con	HGC_27004	NOTEST	0	0.02929	inf	1
ZNF818P	HGC_27con	HGC_27004	NOTEST	0	0.02056	inf	1
ZNF85	HGC_27con	HGC_27004	NOTEST	0	0.02599	inf	1
ZSWIM2	HGC_27con	HGC_27004	NOTEST	0	0.01235	inf	1
LINC00920	HGC_27con	HGC_27004	OK	0.378	0	-inf	0.0007
FOXS1	HGC_27con	HGC_27004	OK	0.39394	0	-inf	0.0013
GNRH2	HGC_27con	HGC_27004	OK	1.04774	0	-inf	0.0058
MT4	HGC_27con	HGC_27004	OK	1.72754	0	-inf	0.0204
APOA2	HGC_27con	HGC_27004	OK	0.36551	0	-inf	0.0401
MIR3960	HGC_27con	HGC_27004	OK	28.4905	0	-inf	0.0572
DEFB108B	HGC_27con	HGC_27004	OK	0.96079	0	-inf	0.0619
KRTAP20-2	HGC_27con	HGC_27004	OK	1.48529	0	-inf	0.0619
MIR3916	HGC_27con	HGC_27004	OK	4.64764	0	-inf	0.0619
MIR4720	HGC_27con	HGC_27004	OK	32.8835	0	-inf	0.0619
MIR769	HGC_27con	HGC_27004	OK	8.62884	0	-inf	0.0619
SNAR-F	HGC_27con	HGC_27004	OK	7.14527	0	-inf	0.0619
SNAR-G1	HGC_27con	HGC_27004	OK	5.40673	0	-inf	0.0619
SNORD7	HGC_27con	HGC_27004	OK	9.79653	0	-inf	0.0619
HCG14	HGC_27con	HGC_27004	OK	0.36343	0	-inf	0.0679
HIST1H2AI	HGC_27con	HGC_27004	OK	0.35461	0	-inf	0.0679
HIST1H4B	HGC_27con	HGC_27004	OK	0.38222	0	-inf	0.0679
LOC401585	HGC_27con	HGC_27004	OK	0.41393	0	-inf	0.0679
MIR940	HGC_27con	HGC_27004	OK	27.4685	0	-inf	0.0679
SNORA66	HGC_27con	HGC_27004	OK	14.5848	0	-inf	0.0913
SNORA53	HGC_27con	HGC_27004	OK	1.59945	0	-inf	0.1184
SNORD47	HGC_27con	HGC_27004	OK	55.2355	0	-inf	0.1275
COX8C	HGC_27con	HGC_27004	OK	0.58513	0	-inf	0.1295
MIR3651	HGC_27con	HGC_27004	OK	41.029	0	-inf	0.1296

SNORA74A	HGC_27con	HGC_27004	OK	3.53578	0	-inf	0.1358
SNORD2	HGC_27con	HGC_27004	OK	41.1161	0	-inf	0.1408
SNORD72	HGC_27con	HGC_27004	OK	22.6178	0	-inf	0.1478
SNORA76A	HGC_27con	HGC_27004	OK	10.5394	0	-inf	0.1587
SNORA19	HGC_27con	HGC_27004	OK	7.79284	0	-inf	0.1642
SNORD1C	HGC_27con	HGC_27004	OK	17.5664	0	-inf	0.1915
MIR33B	HGC_27con	HGC_27004	OK	19.9927	0	-inf	0.1951
TMEM189-UBE2V1	HGC_27con	HGC_27004	OK	0.89969	0	-inf	0.1969
UBE2Q1-AS1	HGC_27con	HGC_27004	OK	0.4902	0	-inf	0.1973
SNORA43	HGC_27con	HGC_27004	OK	3.39479	0	-inf	0.1995
SNORA80B	HGC_27con	HGC_27004	OK	4.85569	0	-inf	0.2003
LOC101928943	HGC_27con	HGC_27004	OK	0.37269	0	-inf	0.204
TGIF2-C20orf24	HGC_27con	HGC_27004	OK	1.32496	0	-inf	0.2088
MIR1254-1	HGC_27con	HGC_27004	OK	9.55055	0	-inf	0.2094
MIR7844	HGC_27con	HGC_27004	OK	2.28013	0	-inf	0.2097
MIR4763	HGC_27con	HGC_27004	OK	23.9928	0	-inf	0.2121
SNORA71D	HGC_27con	HGC_27004	OK	4.21977	0	-inf	0.2128
MIR3936	HGC_27con	HGC_27004	OK	11.4165	0	-inf	0.2129
MIR1915	HGC_27con	HGC_27004	OK	41.2438	0	-inf	0.2145
MIR579	HGC_27con	HGC_27004	OK	11.0345	0	-inf	0.2159
MIR7150	HGC_27con	HGC_27004	OK	9.44447	0	-inf	0.2167
MIR4461	HGC_27con	HGC_27004	OK	33.1466	0	-inf	0.2201
MIR4258	HGC_27con	HGC_27004	OK	31.7794	0	-inf	0.2217
MIR613	HGC_27con	HGC_27004	OK	13.2118	0	-inf	0.2243
SNORA2B	HGC_27con	HGC_27004	OK	13.9245	0	-inf	0.2257
C19orf33	HGC_27con	HGC_27004	OK	0.61999	0	-inf	0.2264
MIR615	HGC_27con	HGC_27004	OK	8.66304	0	-inf	0.2264
SNORA16B	HGC_27con	HGC_27004	OK	10.9934	0	-inf	0.2273
SNORA71E	HGC_27con	HGC_27004	OK	9.70252	0	-inf	0.228
MIR939	HGC_27con	HGC_27004	OK	21.2137	0	-inf	0.2298
MIR3605	HGC_27con	HGC_27004	OK	9.11362	0	-inf	0.231
MIR3682	HGC_27con	HGC_27004	OK	31.0878	0	-inf	0.2331
SCARNA1	HGC_27con	HGC_27004	OK	4.9668	0	-inf	0.2334
MIR27B	HGC_27con	HGC_27004	OK	14.4055	0	-inf	0.2345
MIR196B	HGC_27con	HGC_27004	OK	22.5598	0	-inf	0.2353
MIR658	HGC_27con	HGC_27004	OK	18.9051	0	-inf	0.2355
SNORD11	HGC_27con	HGC_27004	OK	28.6324	0	-inf	0.2357
ITFG1-AS1	HGC_27con	HGC_27004	OK	1.07549	0	-inf	0.2366
MIR1914	HGC_27con	HGC_27004	OK	41.9946	0	-inf	0.2398
SNORD125	HGC_27con	HGC_27004	OK	23.0002	0	-inf	0.2409
A4GNT	HGC_27con	HGC_27004	NOTEST	0.08059	0	-inf	1
AADAC	HGC_27con	HGC_27004	NOTEST	0.04456	0	-inf	1
AADA2L2	HGC_27con	HGC_27004	NOTEST	0.024	0	-inf	1
ABCA9-AS1	HGC_27con	HGC_27004	NOTEST	0.10072	0	-inf	1
ACAN	HGC_27con	HGC_27004	NOTEST	0.00368	0	-inf	1
ACER1	HGC_27con	HGC_27004	NOTEST	0.05127	0	-inf	1
ACOT6	HGC_27con	HGC_27004	NOTEST	0.21531	0	-inf	1
ACOXL	HGC_27con	HGC_27004	NOTEST	0.01432	0	-inf	1
ACTC1	HGC_27con	HGC_27004	NOTEST	0.00951	0	-inf	1
ADAM12	HGC_27con	HGC_27004	NOTEST	0.00417	0	-inf	1
ADAM33	HGC_27con	HGC_27004	NOTEST	0.01155	0	-inf	1
ADAMTS18	HGC_27con	HGC_27004	NOTEST	0.00551	0	-inf	1
ADAMTS7P1	HGC_27con	HGC_27004	NOTEST	0.00806	0	-inf	1
ADARB2	HGC_27con	HGC_27004	NOTEST	0.00419	0	-inf	1

ADCY10	HGC_27con	HGC_27004	NOTEST	0.0239	0	-inf	1
ADCY2	HGC_27con	HGC_27004	NOTEST	0.00544	0	-inf	1
ADCY4	HGC_27con	HGC_27004	NOTEST	0.01194	0	-inf	1
ADCYAP1	HGC_27con	HGC_27004	NOTEST	0.12156	0	-inf	1
ADGRF1	HGC_27con	HGC_27004	NOTEST	0.11486	0	-inf	1
ADGRG7	HGC_27con	HGC_27004	NOTEST	0.01644	0	-inf	1
ADIPOQ	HGC_27con	HGC_27004	NOTEST	0.00819	0	-inf	1
ADIPOQ-AS1	HGC_27con	HGC_27004	NOTEST	0.01874	0	-inf	1
ADRB2	HGC_27con	HGC_27004	NOTEST	0.02177	0	-inf	1
AGAP1-IT1	HGC_27con	HGC_27004	NOTEST	0.06416	0	-inf	1
AGAP11	HGC_27con	HGC_27004	NOTEST	0.00876	0	-inf	1
AGAP7P	HGC_27con	HGC_27004	NOTEST	0.0122	0	-inf	1
AGBL4	HGC_27con	HGC_27004	NOTEST	0.01007	0	-inf	1
AHSG	HGC_27con	HGC_27004	NOTEST	0.04974	0	-inf	1
AIFM3	HGC_27con	HGC_27004	NOTEST	0.04713	0	-inf	1
AKNAD1	HGC_27con	HGC_27004	NOTEST	0.00894	0	-inf	1
AKR1B10	HGC_27con	HGC_27004	NOTEST	0.01977	0	-inf	1
ALAS2	HGC_27con	HGC_27004	NOTEST	0.0368	0	-inf	1
ALB	HGC_27con	HGC_27004	NOTEST	0.02865	0	-inf	1
ALDH3B2	HGC_27con	HGC_27004	NOTEST	0.03269	0	-inf	1
ALPL2	HGC_27con	HGC_27004	NOTEST	0.01646	0	-inf	1
ANKDD1B	HGC_27con	HGC_27004	NOTEST	0.04983	0	-inf	1
ANKRD1	HGC_27con	HGC_27004	NOTEST	0.0135	0	-inf	1
ANKRD26P1	HGC_27con	HGC_27004	NOTEST	0.00438	0	-inf	1
ANKRD45	HGC_27con	HGC_27004	NOTEST	0.01291	0	-inf	1
ANXA13	HGC_27con	HGC_27004	NOTEST	0.02052	0	-inf	1
ANXA2P2	HGC_27con	HGC_27004	NOTEST	0.02456	0	-inf	1
AOC4P	HGC_27con	HGC_27004	NOTEST	0.01854	0	-inf	1
AOX1	HGC_27con	HGC_27004	NOTEST	0.00595	0	-inf	1
APOC4-APOC2	HGC_27con	HGC_27004	NOTEST	0.03167	0	-inf	1
APOL3	HGC_27con	HGC_27004	NOTEST	0.01147	0	-inf	1
ARMCX2	HGC_27con	HGC_27004	NOTEST	0.01139	0	-inf	1
ARSF	HGC_27con	HGC_27004	NOTEST	0.01741	0	-inf	1
ART1	HGC_27con	HGC_27004	NOTEST	0.03857	0	-inf	1
ASAP1-IT1	HGC_27con	HGC_27004	NOTEST	0.03423	0	-inf	1
ASB15	HGC_27con	HGC_27004	NOTEST	0.01292	0	-inf	1
ASB5	HGC_27con	HGC_27004	NOTEST	0.01163	0	-inf	1
ASCL2	HGC_27con	HGC_27004	NOTEST	0.03169	0	-inf	1
ASIP	HGC_27con	HGC_27004	NOTEST	0.21316	0	-inf	1
ASTN2-AS1	HGC_27con	HGC_27004	NOTEST	0.01367	0	-inf	1
ATP13A4	HGC_27con	HGC_27004	NOTEST	0.00393	0	-inf	1
ATP13A5	HGC_27con	HGC_27004	NOTEST	0.01693	0	-inf	1
ATP5EP2	HGC_27con	HGC_27004	NOTEST	0.17838	0	-inf	1
ATP6V0A4	HGC_27con	HGC_27004	NOTEST	0.01057	0	-inf	1
B3GALT1	HGC_27con	HGC_27004	NOTEST	0.01465	0	-inf	1
BACH1-IT2	HGC_27con	HGC_27004	NOTEST	0.05084	0	-inf	1
BARHL1	HGC_27con	HGC_27004	NOTEST	0.06665	0	-inf	1
BCAS1	HGC_27con	HGC_27004	NOTEST	0.00698	0	-inf	1
BCL2L10	HGC_27con	HGC_27004	NOTEST	0.03617	0	-inf	1
BHLHE22	HGC_27con	HGC_27004	NOTEST	0.01139	0	-inf	1
BMP7-AS1	HGC_27con	HGC_27004	NOTEST	0.03028	0	-inf	1
BMS1P21	HGC_27con	HGC_27004	NOTEST	0.04086	0	-inf	1
BOK-AS1	HGC_27con	HGC_27004	NOTEST	0.16422	0	-inf	1
BRDT	HGC_27con	HGC_27004	NOTEST	0.00727	0	-inf	1

BRE-AS1	HGC_27con	HGC_27004	NOTEST	0.04961	0	-inf	1
BRS3	HGC_27con	HGC_27004	NOTEST	0.10712	0	-inf	1
BSPRY	HGC_27con	HGC_27004	NOTEST	0.03175	0	-inf	1
BTBD16	HGC_27con	HGC_27004	NOTEST	0.01907	0	-inf	1
BTC	HGC_27con	HGC_27004	NOTEST	0.02496	0	-inf	1
BTNL10	HGC_27con	HGC_27004	NOTEST	0.0453	0	-inf	1
C10orf126	HGC_27con	HGC_27004	NOTEST	0.12586	0	-inf	1
C11orf52	HGC_27con	HGC_27004	NOTEST	0.05933	0	-inf	1
C11orf91	HGC_27con	HGC_27004	NOTEST	0.0761	0	-inf	1
C12orf71	HGC_27con	HGC_27004	NOTEST	0.03748	0	-inf	1
C14orf178	HGC_27con	HGC_27004	NOTEST	0.13744	0	-inf	1
C17orf98	HGC_27con	HGC_27004	NOTEST	0.09233	0	-inf	1
C18orf61	HGC_27con	HGC_27004	NOTEST	0.05825	0	-inf	1
C1QTNF9	HGC_27con	HGC_27004	NOTEST	0.01619	0	-inf	1
C1orf141	HGC_27con	HGC_27004	NOTEST	0.01307	0	-inf	1
C1orf177	HGC_27con	HGC_27004	NOTEST	0.01912	0	-inf	1
C1orf234	HGC_27con	HGC_27004	NOTEST	0.12554	0	-inf	1
C20orf166-AS1	HGC_27con	HGC_27004	NOTEST	0.02767	0	-inf	1
C20orf203	HGC_27con	HGC_27004	NOTEST	0.02814	0	-inf	1
C2CD4D	HGC_27con	HGC_27004	NOTEST	0.08192	0	-inf	1
C2orf61	HGC_27con	HGC_27004	NOTEST	0.01311	0	-inf	1
C2orf73	HGC_27con	HGC_27004	NOTEST	0.0157	0	-inf	1
C2orf74	HGC_27con	HGC_27004	NOTEST	0.02775	0	-inf	1
C3orf14	HGC_27con	HGC_27004	NOTEST	0.02039	0	-inf	1
C3orf20	HGC_27con	HGC_27004	NOTEST	0.01057	0	-inf	1
C4BPB	HGC_27con	HGC_27004	NOTEST	0.12112	0	-inf	1
C6orf118	HGC_27con	HGC_27004	NOTEST	0.01512	0	-inf	1
C6orf7	HGC_27con	HGC_27004	NOTEST	0.11594	0	-inf	1
C7orf71	HGC_27con	HGC_27004	NOTEST	0.02717	0	-inf	1
C8orf89	HGC_27con	HGC_27004	NOTEST	0.2054	0	-inf	1
C9orf152	HGC_27con	HGC_27004	NOTEST	0.01527	0	-inf	1
C9orf171	HGC_27con	HGC_27004	NOTEST	0.02349	0	-inf	1
C9orf50	HGC_27con	HGC_27004	NOTEST	0.16609	0	-inf	1
C9orf66	HGC_27con	HGC_27004	NOTEST	0.03156	0	-inf	1
C9orf92	HGC_27con	HGC_27004	NOTEST	0.19171	0	-inf	1
CAGE1	HGC_27con	HGC_27004	NOTEST	0.03812	0	-inf	1
CAND1.11	HGC_27con	HGC_27004	NOTEST	0.10387	0	-inf	1
CAPN6	HGC_27con	HGC_27004	NOTEST	0.00864	0	-inf	1
CARD6	HGC_27con	HGC_27004	NOTEST	0.03136	0	-inf	1
CCDC158	HGC_27con	HGC_27004	NOTEST	0.00601	0	-inf	1
CCDC178	HGC_27con	HGC_27004	NOTEST	0.007	0	-inf	1
CCDC181	HGC_27con	HGC_27004	NOTEST	0.04754	0	-inf	1
CCDC36	HGC_27con	HGC_27004	NOTEST	0.01074	0	-inf	1
CCKBR	HGC_27con	HGC_27004	NOTEST	0.0214	0	-inf	1
CCL16	HGC_27con	HGC_27004	NOTEST	0.02378	0	-inf	1
CCL18	HGC_27con	HGC_27004	NOTEST	0.06758	0	-inf	1
CCL3L1,CCL3L3	HGC_27con	HGC_27004	NOTEST	0.00078	0	-inf	1
CCL3L3	HGC_27con	HGC_27004	NOTEST	0.082	0	-inf	1
CCNA1	HGC_27con	HGC_27004	NOTEST	0.01707	0	-inf	1
CCR1	HGC_27con	HGC_27004	NOTEST	0.09012	0	-inf	1
CCR2	HGC_27con	HGC_27004	NOTEST	0.02445	0	-inf	1
CD180	HGC_27con	HGC_27004	NOTEST	0.01362	0	-inf	1
CD2	HGC_27con	HGC_27004	NOTEST	0.01828	0	-inf	1
CD300A	HGC_27con	HGC_27004	NOTEST	0.01545	0	-inf	1

CD52	HGC_27con	HGC_27004	NOTEST	0.13868	0	-inf	1
CD80	HGC_27con	HGC_27004	NOTEST	0.01092	0	-inf	1
CDC42EP1	HGC_27con	HGC_27004	NOTEST	0.05749	0	-inf	1
CDKL2	HGC_27con	HGC_27004	NOTEST	0.00688	0	-inf	1
CDR1	HGC_27con	HGC_27004	NOTEST	0.01503	0	-inf	1
CDRT15L2	HGC_27con	HGC_27004	NOTEST	0.03413	0	-inf	1
CECR5-AS1	HGC_27con	HGC_27004	NOTEST	0.31443	0	-inf	1
CELA2B	HGC_27con	HGC_27004	NOTEST	0.05193	0	-inf	1
CETP	HGC_27con	HGC_27004	NOTEST	0.02821	0	-inf	1
CFAP46	HGC_27con	HGC_27004	NOTEST	0.00356	0	-inf	1
CFAP61	HGC_27con	HGC_27004	NOTEST	0.01655	0	-inf	1
CGB5	HGC_27con	HGC_27004	NOTEST	0.14989	0	-inf	1
CHRM3-AS2	HGC_27con	HGC_27004	NOTEST	0.0599	0	-inf	1
CHST10	HGC_27con	HGC_27004	NOTEST	0.01159	0	-inf	1
CHST4	HGC_27con	HGC_27004	NOTEST	0.01955	0	-inf	1
CIITA	HGC_27con	HGC_27004	NOTEST	0.01347	0	-inf	1
CLCA4	HGC_27con	HGC_27004	NOTEST	0.00917	0	-inf	1
CLDN16	HGC_27con	HGC_27004	NOTEST	0.02363	0	-inf	1
CLDN3	HGC_27con	HGC_27004	NOTEST	0.05491	0	-inf	1
CLEC3B	HGC_27con	HGC_27004	NOTEST	0.12658	0	-inf	1
CLEC4GP1	HGC_27con	HGC_27004	NOTEST	0.10386	0	-inf	1
CLIC5	HGC_27con	HGC_27004	NOTEST	0.02632	0	-inf	1
CLRN1	HGC_27con	HGC_27004	NOTEST	0.015	0	-inf	1
CNGB1	HGC_27con	HGC_27004	NOTEST	0.00479	0	-inf	1
COLCA2	HGC_27con	HGC_27004	NOTEST	0.04098	0	-inf	1
CPLX2	HGC_27con	HGC_27004	NOTEST	0.00632	0	-inf	1
CPNE9	HGC_27con	HGC_27004	NOTEST	0.04084	0	-inf	1
CRABP1	HGC_27con	HGC_27004	NOTEST	0.12461	0	-inf	1
CREB3L3	HGC_27con	HGC_27004	NOTEST	0.01095	0	-inf	1
CSH2	HGC_27con	HGC_27004	NOTEST	0.20907	0	-inf	1
CSMD2	HGC_27con	HGC_27004	NOTEST	0.00266	0	-inf	1
CSNK1A1P1	HGC_27con	HGC_27004	NOTEST	0.01834	0	-inf	1
CSNK1G2-AS1	HGC_27con	HGC_27004	NOTEST	0.12503	0	-inf	1
CTAGE11P	HGC_27con	HGC_27004	NOTEST	0.00982	0	-inf	1
CTD-2201E9.1	HGC_27con	HGC_27004	NOTEST	0.07596	0	-inf	1
CTRB1	HGC_27con	HGC_27004	NOTEST	0.26888	0	-inf	1
CTSPL2	HGC_27con	HGC_27004	NOTEST	0.03259	0	-inf	1
CX3CR1	HGC_27con	HGC_27004	NOTEST	0.03494	0	-inf	1
CXorf58	HGC_27con	HGC_27004	NOTEST	0.02335	0	-inf	1
CYGB	HGC_27con	HGC_27004	NOTEST	0.10218	0	-inf	1
CYP1A2	HGC_27con	HGC_27004	NOTEST	0.03863	0	-inf	1
CYP26C1	HGC_27con	HGC_27004	NOTEST	0.0481	0	-inf	1
CYP2B7P	HGC_27con	HGC_27004	NOTEST	0.01378	0	-inf	1
CYP3A43	HGC_27con	HGC_27004	NOTEST	0.04762	0	-inf	1
CYP3A7-CYP3A51P	HGC_27con	HGC_27004	NOTEST	3.1E-05	0	-inf	1
CYP4F12	HGC_27con	HGC_27004	NOTEST	0.04428	0	-inf	1
CYP4F35P	HGC_27con	HGC_27004	NOTEST	0.01232	0	-inf	1
CYYR1	HGC_27con	HGC_27004	NOTEST	0.01162	0	-inf	1
DBH-AS1	HGC_27con	HGC_27004	NOTEST	0.0166	0	-inf	1
DCC	HGC_27con	HGC_27004	NOTEST	0.0031	0	-inf	1
DDI1	HGC_27con	HGC_27004	NOTEST	0.01504	0	-inf	1
DDO	HGC_27con	HGC_27004	NOTEST	0.02195	0	-inf	1
DEFB126	HGC_27con	HGC_27004	NOTEST	0.10698	0	-inf	1
DENND2C	HGC_27con	HGC_27004	NOTEST	0.02094	0	-inf	1

DENND2D	HGC_27con	HGC_27004	NOTEST	0.03945	0	-inf	1
DISC1FP1	HGC_27con	HGC_27004	NOTEST	0.05041	0	-inf	1
DLGAP1	HGC_27con	HGC_27004	NOTEST	0.0064	0	-inf	1
DMBT1	HGC_27con	HGC_27004	NOTEST	0.00458	0	-inf	1
DMD	HGC_27con	HGC_27004	NOTEST	0.0449	0	-inf	1
DMRTA2	HGC_27con	HGC_27004	NOTEST	0.01824	0	-inf	1
DNAH12	HGC_27con	HGC_27004	NOTEST	0.01407	0	-inf	1
DNAH9	HGC_27con	HGC_27004	NOTEST	0.00865	0	-inf	1
DNMT3L	HGC_27con	HGC_27004	NOTEST	0.05134	0	-inf	1
DOK2	HGC_27con	HGC_27004	NOTEST	0.042	0	-inf	1
DPPA2	HGC_27con	HGC_27004	NOTEST	0.10398	0	-inf	1
DPPA4	HGC_27con	HGC_27004	NOTEST	0.01211	0	-inf	1
DSG4	HGC_27con	HGC_27004	NOTEST	0.04107	0	-inf	1
DSPP	HGC_27con	HGC_27004	NOTEST	0.00517	0	-inf	1
DUSP2	HGC_27con	HGC_27004	NOTEST	0.06633	0	-inf	1
DUSP27	HGC_27con	HGC_27004	NOTEST	0.00524	0	-inf	1
DUSP4	HGC_27con	HGC_27004	NOTEST	0.03034	0	-inf	1
EGOT	HGC_27con	HGC_27004	NOTEST	0.024	0	-inf	1
EHD4-AS1	HGC_27con	HGC_27004	NOTEST	0.0258	0	-inf	1
EHF	HGC_27con	HGC_27004	NOTEST	0.0058	0	-inf	1
EHMT1-IT1	HGC_27con	HGC_27004	NOTEST	0.02853	0	-inf	1
EIF3C	HGC_27con	HGC_27004	NOTEST	0.00177	0	-inf	1
EIF3CL	HGC_27con	HGC_27004	NOTEST	0.00641	0	-inf	1
ELDR	HGC_27con	HGC_27004	NOTEST	0.12177	0	-inf	1
ELOVL2	HGC_27con	HGC_27004	NOTEST	0.00951	0	-inf	1
ENPP7	HGC_27con	HGC_27004	NOTEST	0.02177	0	-inf	1
ENTPD3-AS1	HGC_27con	HGC_27004	NOTEST	0.05321	0	-inf	1
EOMES	HGC_27con	HGC_27004	NOTEST	0.01265	0	-inf	1
EPHA1-AS1	HGC_27con	HGC_27004	NOTEST	0.00514	0	-inf	1
EPYC	HGC_27con	HGC_27004	NOTEST	0.02144	0	-inf	1
ERICH6	HGC_27con	HGC_27004	NOTEST	0.01584	0	-inf	1
ERN2	HGC_27con	HGC_27004	NOTEST	0.01055	0	-inf	1
ERVFRD-1	HGC_27con	HGC_27004	NOTEST	0.01044	0	-inf	1
F13B	HGC_27con	HGC_27004	NOTEST	0.01158	0	-inf	1
F2	HGC_27con	HGC_27004	NOTEST	0.01692	0	-inf	1
F2RL3	HGC_27con	HGC_27004	NOTEST	0.01491	0	-inf	1
FAM106A	HGC_27con	HGC_27004	NOTEST	0.01805	0	-inf	1
FAM133CP	HGC_27con	HGC_27004	NOTEST	0.01032	0	-inf	1
FAM155A	HGC_27con	HGC_27004	NOTEST	0.01629	0	-inf	1
FAM167B	HGC_27con	HGC_27004	NOTEST	0.04703	0	-inf	1
FAM180B	HGC_27con	HGC_27004	NOTEST	0.0529	0	-inf	1
FAM183B	HGC_27con	HGC_27004	NOTEST	0.02449	0	-inf	1
FAM188B	HGC_27con	HGC_27004	NOTEST	0.01113	0	-inf	1
FAM189A1	HGC_27con	HGC_27004	NOTEST	0.02608	0	-inf	1
FAM189A2	HGC_27con	HGC_27004	NOTEST	0.01784	0	-inf	1
FAM19A4	HGC_27con	HGC_27004	NOTEST	0.01844	0	-inf	1
FAM209B	HGC_27con	HGC_27004	NOTEST	0.21495	0	-inf	1
FAM221B	HGC_27con	HGC_27004	NOTEST	0.0077	0	-inf	1
FAM222A-AS1	HGC_27con	HGC_27004	NOTEST	0.09507	0	-inf	1
FAM231B	HGC_27con	HGC_27004	NOTEST	0.03949	0	-inf	1
FAM47E-STBD1	HGC_27con	HGC_27004	NOTEST	0.0432	0	-inf	1
FAM66D	HGC_27con	HGC_27004	NOTEST	0.04159	0	-inf	1
FAM71D	HGC_27con	HGC_27004	NOTEST	0.01435	0	-inf	1
FAM83E	HGC_27con	HGC_27004	NOTEST	0.11599	0	-inf	1

FAM9B	HGC_27con	HGC_27004	NOTEST	0.01197	0	-inf	1
FANK1	HGC_27con	HGC_27004	NOTEST	0.07178	0	-inf	1
FBLN2	HGC_27con	HGC_27004	NOTEST	0.00906	0	-inf	1
FCN3	HGC_27con	HGC_27004	NOTEST	0.08871	0	-inf	1
FCRL6	HGC_27con	HGC_27004	NOTEST	0.03179	0	-inf	1
FGD2	HGC_27con	HGC_27004	NOTEST	0.08215	0	-inf	1
FGD5P1	HGC_27con	HGC_27004	NOTEST	0.01357	0	-inf	1
FGF22	HGC_27con	HGC_27004	NOTEST	0.20377	0	-inf	1
FGFBP1	HGC_27con	HGC_27004	NOTEST	0.08542	0	-inf	1
FGL1	HGC_27con	HGC_27004	NOTEST	0.02419	0	-inf	1
FLJ16171	HGC_27con	HGC_27004	NOTEST	0.02501	0	-inf	1
FLJ16779	HGC_27con	HGC_27004	NOTEST	0.00828	0	-inf	1
FLJ21408	HGC_27con	HGC_27004	NOTEST	0.05885	0	-inf	1
FLJ36777	HGC_27con	HGC_27004	NOTEST	0.03009	0	-inf	1
FLJ44635	HGC_27con	HGC_27004	NOTEST	0.01386	0	-inf	1
FLT3	HGC_27con	HGC_27004	NOTEST	0.00806	0	-inf	1
FOXD4L6	HGC_27con	HGC_27004	NOTEST	0.04618	0	-inf	1
FOXL1	HGC_27con	HGC_27004	NOTEST	0.01293	0	-inf	1
FUNDC2P2	HGC_27con	HGC_27004	NOTEST	0.02167	0	-inf	1
FXYD4	HGC_27con	HGC_27004	NOTEST	0.0803	0	-inf	1
GAL3ST2	HGC_27con	HGC_27004	NOTEST	0.14222	0	-inf	1
GAS2	HGC_27con	HGC_27004	NOTEST	0.01582	0	-inf	1
GAS2L1P2	HGC_27con	HGC_27004	NOTEST	0.04044	0	-inf	1
GAST	HGC_27con	HGC_27004	NOTEST	0.14671	0	-inf	1
GATA1	HGC_27con	HGC_27004	NOTEST	0.05484	0	-inf	1
GCGR	HGC_27con	HGC_27004	NOTEST	0.04503	0	-inf	1
GDF5	HGC_27con	HGC_27004	NOTEST	0.08211	0	-inf	1
GDNF-AS1	HGC_27con	HGC_27004	NOTEST	0.0109	0	-inf	1
GGT5	HGC_27con	HGC_27004	NOTEST	0.03532	0	-inf	1
GLRA1	HGC_27con	HGC_27004	NOTEST	0.02346	0	-inf	1
GNAO1	HGC_27con	HGC_27004	NOTEST	0.00603	0	-inf	1
GOLGA6B	HGC_27con	HGC_27004	NOTEST	0.00754	0	-inf	1
GOLGA8DP	HGC_27con	HGC_27004	NOTEST	0.01056	0	-inf	1
GOLGA8T	HGC_27con	HGC_27004	NOTEST	0.01579	0	-inf	1
GPC6-AS1	HGC_27con	HGC_27004	NOTEST	0.05565	0	-inf	1
GPIHBP1	HGC_27con	HGC_27004	NOTEST	0.01314	0	-inf	1
GPM6A	HGC_27con	HGC_27004	NOTEST	0.015	0	-inf	1
GPR22	HGC_27con	HGC_27004	NOTEST	0.01115	0	-inf	1
GPR39	HGC_27con	HGC_27004	NOTEST	0.01352	0	-inf	1
GPRC6A	HGC_27con	HGC_27004	NOTEST	0.01521	0	-inf	1
GPX7	HGC_27con	HGC_27004	NOTEST	0.03235	0	-inf	1
GRAP	HGC_27con	HGC_27004	NOTEST	0.01696	0	-inf	1
GRAPL	HGC_27con	HGC_27004	NOTEST	0.04184	0	-inf	1
GRIA2	HGC_27con	HGC_27004	NOTEST	0.00585	0	-inf	1
GRM2	HGC_27con	HGC_27004	NOTEST	0.01573	0	-inf	1
GSTA3	HGC_27con	HGC_27004	NOTEST	0.02932	0	-inf	1
GSTM5	HGC_27con	HGC_27004	NOTEST	0.02425	0	-inf	1
GUCY1A2	HGC_27con	HGC_27004	NOTEST	0.00213	0	-inf	1
GYLTL1B	HGC_27con	HGC_27004	NOTEST	0.16429	0	-inf	1
H2AFY2	HGC_27con	HGC_27004	NOTEST	0.01434	0	-inf	1
HAGLR	HGC_27con	HGC_27004	NOTEST	0.01757	0	-inf	1
HAGLROS	HGC_27con	HGC_27004	NOTEST	0.22435	0	-inf	1
HAMP	HGC_27con	HGC_27004	NOTEST	0.17173	0	-inf	1
HAO1	HGC_27con	HGC_27004	NOTEST	0.01821	0	-inf	1

HBZ	HGC_27con	HGC_27004	NOTEST	0.14622	0	-inf	1
HCK	HGC_27con	HGC_27004	NOTEST	0.03053	0	-inf	1
HDC	HGC_27con	HGC_27004	NOTEST	0.02448	0	-inf	1
HECW1	HGC_27con	HGC_27004	NOTEST	0.01978	0	-inf	1
HEPACAM	HGC_27con	HGC_27004	NOTEST	0.00961	0	-inf	1
HES3	HGC_27con	HGC_27004	NOTEST	0.11245	0	-inf	1
HFE2	HGC_27con	HGC_27004	NOTEST	0.03901	0	-inf	1
HIF1A-AS1	HGC_27con	HGC_27004	NOTEST	0.05802	0	-inf	1
HILS1	HGC_27con	HGC_27004	NOTEST	0.08213	0	-inf	1
HIST1H1D	HGC_27con	HGC_27004	NOTEST	0.10366	0	-inf	1
HIST1H3F	HGC_27con	HGC_27004	NOTEST	0.20095	0	-inf	1
HIST2H2AB	HGC_27con	HGC_27004	NOTEST	0.17818	0	-inf	1
HIST2H2BA	HGC_27con	HGC_27004	NOTEST	0.12514	0	-inf	1
HIST2H3D	HGC_27con	HGC_27004	NOTEST	0.17512	0	-inf	1
HLA-DRB1	HGC_27con	HGC_27004	NOTEST	0.03032	0	-inf	1
HOXB-AS1	HGC_27con	HGC_27004	NOTEST	0.09015	0	-inf	1
HPR	HGC_27con	HGC_27004	NOTEST	0.02713	0	-inf	1
HRASLS2	HGC_27con	HGC_27004	NOTEST	0.22472	0	-inf	1
HRH2	HGC_27con	HGC_27004	NOTEST	0.01567	0	-inf	1
HS1BP3-IT1	HGC_27con	HGC_27004	NOTEST	0.16297	0	-inf	1
HS3ST5	HGC_27con	HGC_27004	NOTEST	0.02442	0	-inf	1
HTR7	HGC_27con	HGC_27004	NOTEST	0.0102	0	-inf	1
HTRA4	HGC_27con	HGC_27004	NOTEST	0.01586	0	-inf	1
HYDIN	HGC_27con	HGC_27004	NOTEST	0.00337	0	-inf	1
ICAM2	HGC_27con	HGC_27004	NOTEST	0.07508	0	-inf	1
IGSF23	HGC_27con	HGC_27004	NOTEST	0.03941	0	-inf	1
IL12A-AS1	HGC_27con	HGC_27004	NOTEST	0.01255	0	-inf	1
IL12B	HGC_27con	HGC_27004	NOTEST	0.01261	0	-inf	1
IL13RA2	HGC_27con	HGC_27004	NOTEST	0.02304	0	-inf	1
IL18R1	HGC_27con	HGC_27004	NOTEST	0.00869	0	-inf	1
IL1A	HGC_27con	HGC_27004	NOTEST	0.01203	0	-inf	1
IL25	HGC_27con	HGC_27004	NOTEST	0.03983	0	-inf	1
IL26	HGC_27con	HGC_27004	NOTEST	0.03554	0	-inf	1
INHBA	HGC_27con	HGC_27004	NOTEST	0.03162	0	-inf	1
INSC	HGC_27con	HGC_27004	NOTEST	0.04358	0	-inf	1
IPCEF1	HGC_27con	HGC_27004	NOTEST	0.00449	0	-inf	1
IRGM	HGC_27con	HGC_27004	NOTEST	0.02281	0	-inf	1
ISM1-AS1	HGC_27con	HGC_27004	NOTEST	0.1143	0	-inf	1
ITGB2-AS1	HGC_27con	HGC_27004	NOTEST	0.02656	0	-inf	1
ITGB6	HGC_27con	HGC_27004	NOTEST	0.02291	0	-inf	1
ITIH2	HGC_27con	HGC_27004	NOTEST	0.0264	0	-inf	1
IYD	HGC_27con	HGC_27004	NOTEST	0.00403	0	-inf	1
KATNBL1P6	HGC_27con	HGC_27004	NOTEST	0.01438	0	-inf	1
KCNC4-AS1	HGC_27con	HGC_27004	NOTEST	0.02889	0	-inf	1
KCNE1	HGC_27con	HGC_27004	NOTEST	0.00861	0	-inf	1
KCNG2	HGC_27con	HGC_27004	NOTEST	0.24263	0	-inf	1
KCNH8	HGC_27con	HGC_27004	NOTEST	0.00598	0	-inf	1
KCNJ2-AS1	HGC_27con	HGC_27004	NOTEST	0.01716	0	-inf	1
KCNK3	HGC_27con	HGC_27004	NOTEST	0.00988	0	-inf	1
KCNN4	HGC_27con	HGC_27004	NOTEST	0.03789	0	-inf	1
KCNQ5-AS1	HGC_27con	HGC_27004	NOTEST	0.02905	0	-inf	1
KCNT1	HGC_27con	HGC_27004	NOTEST	0.00843	0	-inf	1
KCTD16	HGC_27con	HGC_27004	NOTEST	0.02411	0	-inf	1
KERA	HGC_27con	HGC_27004	NOTEST	0.01355	0	-inf	1

KIAA0408	HGC_27con	HGC_27004	NOTEST	2.9E-07	0	-inf	1
KIAA1210	HGC_27con	HGC_27004	NOTEST	0.0189	0	-inf	1
KIAA1755	HGC_27con	HGC_27004	NOTEST	0.00535	0	-inf	1
KIF25	HGC_27con	HGC_27004	NOTEST	0.0312	0	-inf	1
KIR3DX1	HGC_27con	HGC_27004	NOTEST	0.03763	0	-inf	1
KLF1	HGC_27con	HGC_27004	NOTEST	0.03278	0	-inf	1
KLK10	HGC_27con	HGC_27004	NOTEST	0.02357	0	-inf	1
KLK14	HGC_27con	HGC_27004	NOTEST	0.04092	0	-inf	1
KLRC4	HGC_27con	HGC_27004	NOTEST	0.03822	0	-inf	1
KRT1	HGC_27con	HGC_27004	NOTEST	0.0119	0	-inf	1
KRT15	HGC_27con	HGC_27004	NOTEST	0.01529	0	-inf	1
KRT18	HGC_27con	HGC_27004	NOTEST	0.02281	0	-inf	1
KRT18P55	HGC_27con	HGC_27004	NOTEST	0.01708	0	-inf	1
KRT73-AS1	HGC_27con	HGC_27004	NOTEST	0.0081	0	-inf	1
KRT81	HGC_27con	HGC_27004	NOTEST	0.04047	0	-inf	1
KRT83	HGC_27con	HGC_27004	NOTEST	0.01906	0	-inf	1
KRT86	HGC_27con	HGC_27004	NOTEST	0.04003	0	-inf	1
KRTAP10-3	HGC_27con	HGC_27004	NOTEST	0.15567	0	-inf	1
KRTAP5-8	HGC_27con	HGC_27004	NOTEST	0.05392	0	-inf	1
LAMB3	HGC_27con	HGC_27004	NOTEST	0.00798	0	-inf	1
LAMC2	HGC_27con	HGC_27004	NOTEST	0.00586	0	-inf	1
LANCL3	HGC_27con	HGC_27004	NOTEST	0.01219	0	-inf	1
LDHAL6B	HGC_27con	HGC_27004	NOTEST	0.01927	0	-inf	1
LEFTY2	HGC_27con	HGC_27004	NOTEST	0.04513	0	-inf	1
LHFPL3	HGC_27con	HGC_27004	NOTEST	0.01118	0	-inf	1
LINC00114	HGC_27con	HGC_27004	NOTEST	0.10068	0	-inf	1
LINC00184	HGC_27con	HGC_27004	NOTEST	0.02637	0	-inf	1
LINC00202-1	HGC_27con	HGC_27004	NOTEST	0.04508	0	-inf	1
LINC00261	HGC_27con	HGC_27004	NOTEST	0.00667	0	-inf	1
LINC00271	HGC_27con	HGC_27004	NOTEST	0.02225	0	-inf	1
LINC00272	HGC_27con	HGC_27004	NOTEST	0.0744	0	-inf	1
LINC00310	HGC_27con	HGC_27004	NOTEST	0.09738	0	-inf	1
LINC00313	HGC_27con	HGC_27004	NOTEST	0.08376	0	-inf	1
LINC00317	HGC_27con	HGC_27004	NOTEST	0.08014	0	-inf	1
LINC00323	HGC_27con	HGC_27004	NOTEST	0.01624	0	-inf	1
LINC00368	HGC_27con	HGC_27004	NOTEST	0.00696	0	-inf	1
LINC00398	HGC_27con	HGC_27004	NOTEST	0.06302	0	-inf	1
LINC00485	HGC_27con	HGC_27004	NOTEST	0.02839	0	-inf	1
LINC00515	HGC_27con	HGC_27004	NOTEST	0.2448	0	-inf	1
LINC00520	HGC_27con	HGC_27004	NOTEST	0.01596	0	-inf	1
LINC00548	HGC_27con	HGC_27004	NOTEST	0.01375	0	-inf	1
LINC00551	HGC_27con	HGC_27004	NOTEST	0.01416	0	-inf	1
LINC00565	HGC_27con	HGC_27004	NOTEST	0.07243	0	-inf	1
LINC00595	HGC_27con	HGC_27004	NOTEST	0.05047	0	-inf	1
LINC00633	HGC_27con	HGC_27004	NOTEST	0.05222	0	-inf	1
LINC00639	HGC_27con	HGC_27004	NOTEST	0.00824	0	-inf	1
LINC00643	HGC_27con	HGC_27004	NOTEST	0.014	0	-inf	1
LINC00671	HGC_27con	HGC_27004	NOTEST	0.01928	0	-inf	1
LINC00673	HGC_27con	HGC_27004	NOTEST	0.03393	0	-inf	1
LINC00678	HGC_27con	HGC_27004	NOTEST	0.09949	0	-inf	1
LINC00689	HGC_27con	HGC_27004	NOTEST	0.00853	0	-inf	1
LINC00703	HGC_27con	HGC_27004	NOTEST	0.01734	0	-inf	1
LINC00709	HGC_27con	HGC_27004	NOTEST	0.0795	0	-inf	1

LINC00840

HGC_27con

HGC_27004

NOTEST 0.01739

0

-inf

1

LINC00957	HGC_27con	HGC_27004	NOTEST	0.07231	0	-inf	1
LINC00964	HGC_27con	HGC_27004	NOTEST	0.03001	0	-inf	1
LINC00996	HGC_27con	HGC_27004	NOTEST	0.02006	0	-inf	1
LINC01001	HGC_27con	HGC_27004	NOTEST	0.02314	0	-inf	1
LINC01036	HGC_27con	HGC_27004	NOTEST	0.0631	0	-inf	1
LINC01039	HGC_27con	HGC_27004	NOTEST	0.00805	0	-inf	1
LINC01055	HGC_27con	HGC_27004	NOTEST	0.08707	0	-inf	1
LINC01118	HGC_27con	HGC_27004	NOTEST	0.05073	0	-inf	1
LINC01132	HGC_27con	HGC_27004	NOTEST	0.0233	0	-inf	1
LINC01135	HGC_27con	HGC_27004	NOTEST	0.09182	0	-inf	1
LINC01186	HGC_27con	HGC_27004	NOTEST	0.24964	0	-inf	1
LINC01210	HGC_27con	HGC_27004	NOTEST	0.03139	0	-inf	1
LINC01214	HGC_27con	HGC_27004	NOTEST	0.2716	0	-inf	1
LINC01219	HGC_27con	HGC_27004	NOTEST	0.05406	0	-inf	1
LINC01226	HGC_27con	HGC_27004	NOTEST	0.01088	0	-inf	1
LINC01247	HGC_27con	HGC_27004	NOTEST	0.00979	0	-inf	1
LINC01249	HGC_27con	HGC_27004	NOTEST	0.01263	0	-inf	1
LINC01287	HGC_27con	HGC_27004	NOTEST	0.06041	0	-inf	1
LINC01310	HGC_27con	HGC_27004	NOTEST	0.00824	0	-inf	1
LINC01339	HGC_27con	HGC_27004	NOTEST	0.06741	0	-inf	1
LINC01354	HGC_27con	HGC_27004	NOTEST	0.0126	0	-inf	1
LINC01387	HGC_27con	HGC_27004	NOTEST	0.18025	0	-inf	1
LINC01470	HGC_27con	HGC_27004	NOTEST	0.03431	0	-inf	1
LINC01480	HGC_27con	HGC_27004	NOTEST	0.09613	0	-inf	1
LINC01531	HGC_27con	HGC_27004	NOTEST	0.04443	0	-inf	1
LINC01541	HGC_27con	HGC_27004	NOTEST	0.01257	0	-inf	1
LINC01555	HGC_27con	HGC_27004	NOTEST	0.04096	0	-inf	1
LINC01580	HGC_27con	HGC_27004	NOTEST	0.08469	0	-inf	1
LINC01586	HGC_27con	HGC_27004	NOTEST	0.0226	0	-inf	1
LINC01605	HGC_27con	HGC_27004	NOTEST	0.08279	0	-inf	1
LINC01609	HGC_27con	HGC_27004	NOTEST	0.0784	0	-inf	1
LINGO1-AS1	HGC_27con	HGC_27004	NOTEST	0.05434	0	-inf	1
LIPH	HGC_27con	HGC_27004	NOTEST	0.01203	0	-inf	1
LL22NC01-81G9.3	HGC_27con	HGC_27004	NOTEST	0.05993	0	-inf	1
LMAN1L	HGC_27con	HGC_27004	NOTEST	0.09665	0	-inf	1
LOC100128176	HGC_27con	HGC_27004	NOTEST	0.05726	0	-inf	1
LOC100128233	HGC_27con	HGC_27004	NOTEST	0.02844	0	-inf	1
LOC100129027	HGC_27con	HGC_27004	NOTEST	0.00857	0	-inf	1
LOC100129138	HGC_27con	HGC_27004	NOTEST	0.14317	0	-inf	1
LOC100129307	HGC_27con	HGC_27004	NOTEST	0.02545	0	-inf	1
LOC100129316	HGC_27con	HGC_27004	NOTEST	0.01179	0	-inf	1
LOC100129636	HGC_27con	HGC_27004	NOTEST	0.04416	0	-inf	1
LOC100129697	HGC_27con	HGC_27004	NOTEST	0.07615	0	-inf	1
LOC100129973	HGC_27con	HGC_27004	NOTEST	0.02365	0	-inf	1
LOC100130452	HGC_27con	HGC_27004	NOTEST	0.12755	0	-inf	1
LOC100130587	HGC_27con	HGC_27004	NOTEST	0.01196	0	-inf	1
LOC100130673	HGC_27con	HGC_27004	NOTEST	0.02086	0	-inf	1
LOC100144595	HGC_27con	HGC_27004	NOTEST	0.0153	0	-inf	1
LOC100287632	HGC_27con	HGC_27004	NOTEST	0.0512	0	-inf	1
LOC100289673	HGC_27con	HGC_27004	NOTEST	0.03196	0	-inf	1
LOC100420587	HGC_27con	HGC_27004	NOTEST	0.01992	0	-inf	1
LOC100422737	HGC_27con	HGC_27004	NOTEST	0.01962	0	-inf	1
LOC100505920	HGC_27con	HGC_27004	NOTEST	0.04613	0	-inf	1
LOC100506178	HGC_27con	HGC_27004	NOTEST	0.06622	0	-inf	1

LOC100506271	HGC_27con	HGC_27004	NOTEST	0.04062	0	-inf	1
LOC100506700	HGC_27con	HGC_27004	NOTEST	0.10479	0	-inf	1
LOC100507144	HGC_27con	HGC_27004	NOTEST	0.06298	0	-inf	1
LOC100507377	HGC_27con	HGC_27004	NOTEST	0.04641	0	-inf	1
LOC100507642	HGC_27con	HGC_27004	NOTEST	0.04423	0	-inf	1
LOC100996325	HGC_27con	HGC_27004	NOTEST	0.09907	0	-inf	1
LOC100996579	HGC_27con	HGC_27004	NOTEST	0.01648	0	-inf	1
LOC101927069	HGC_27con	HGC_27004	NOTEST	0.01195	0	-inf	1
LOC101927136	HGC_27con	HGC_27004	NOTEST	0.00864	0	-inf	1
LOC101927248	HGC_27con	HGC_27004	NOTEST	0.01746	0	-inf	1
LOC101927354	HGC_27con	HGC_27004	NOTEST	0.04111	0	-inf	1
LOC101927410	HGC_27con	HGC_27004	NOTEST	0.0091	0	-inf	1
LOC101927575	HGC_27con	HGC_27004	NOTEST	0.01441	0	-inf	1
LOC101927692	HGC_27con	HGC_27004	NOTEST	0.01604	0	-inf	1
LOC101927865	HGC_27con	HGC_27004	NOTEST	0.06208	0	-inf	1
LOC101927932	HGC_27con	HGC_27004	NOTEST	0.05943	0	-inf	1
LOC101927950	HGC_27con	HGC_27004	NOTEST	0.05623	0	-inf	1
LOC101928093	HGC_27con	HGC_27004	NOTEST	0.0536	0	-inf	1
LOC101928128	HGC_27con	HGC_27004	NOTEST	0.05793	0	-inf	1
LOC101928167	HGC_27con	HGC_27004	NOTEST	0.03301	0	-inf	1
LOC101928222	HGC_27con	HGC_27004	NOTEST	0.07335	0	-inf	1
LOC101928283	HGC_27con	HGC_27004	NOTEST	0.02123	0	-inf	1
LOC101928307	HGC_27con	HGC_27004	NOTEST	0.10215	0	-inf	1
LOC101928323	HGC_27con	HGC_27004	NOTEST	0.14808	0	-inf	1
LOC101928446	HGC_27con	HGC_27004	NOTEST	0.02348	0	-inf	1
LOC101928731	HGC_27con	HGC_27004	NOTEST	0.06424	0	-inf	1
LOC101928844	HGC_27con	HGC_27004	NOTEST	0.07544	0	-inf	1
LOC101928886	HGC_27con	HGC_27004	NOTEST	0.02048	0	-inf	1
LOC101929057	HGC_27con	HGC_27004	NOTEST	0.04735	0	-inf	1
LOC101929076	HGC_27con	HGC_27004	NOTEST	0.02265	0	-inf	1
LOC101929124	HGC_27con	HGC_27004	NOTEST	0.04156	0	-inf	1
LOC101929128	HGC_27con	HGC_27004	NOTEST	0.06042	0	-inf	1
LOC101929194	HGC_27con	HGC_27004	NOTEST	0.02874	0	-inf	1
LOC101929279	HGC_27con	HGC_27004	NOTEST	0.01909	0	-inf	1
LOC101929331	HGC_27con	HGC_27004	NOTEST	0.06481	0	-inf	1
LOC101929439	HGC_27con	HGC_27004	NOTEST	0.0142	0	-inf	1
LOC101929464	HGC_27con	HGC_27004	NOTEST	0.12755	0	-inf	1
LOC101929592	HGC_27con	HGC_27004	NOTEST	0.21707	0	-inf	1
LOC101929596	HGC_27con	HGC_27004	NOTEST	0.0305	0	-inf	1
LOC101929607	HGC_27con	HGC_27004	NOTEST	0.01916	0	-inf	1
LOC101929608	HGC_27con	HGC_27004	NOTEST	0.02739	0	-inf	1
LOC101929622	HGC_27con	HGC_27004	NOTEST	0.03022	0	-inf	1
LOC101929680	HGC_27con	HGC_27004	NOTEST	0.03042	0	-inf	1
LOC101929762	HGC_27con	HGC_27004	NOTEST	0.01708	0	-inf	1
LOC102467079	HGC_27con	HGC_27004	NOTEST	0.03077	0	-inf	1
LOC102577426	HGC_27con	HGC_27004	NOTEST	0.17375	0	-inf	1
LOC102723582	HGC_27con	HGC_27004	NOTEST	0.09102	0	-inf	1
LOC102723701	HGC_27con	HGC_27004	NOTEST	0.06441	0	-inf	1
LOC102724094	HGC_27con	HGC_27004	NOTEST	0.12148	0	-inf	1
LOC102724190	HGC_27con	HGC_27004	NOTEST	0.02029	0	-inf	1
LOC102724484	HGC_27con	HGC_27004	NOTEST	0.02882	0	-inf	1
LOC102724552	HGC_27con	HGC_27004	NOTEST	0.05715	0	-inf	1
LOC102724623	HGC_27con	HGC_27004	NOTEST	0.06837	0	-inf	1
LOC102724719	HGC_27con	HGC_27004	NOTEST	0.26717	0	-inf	1

LOC102724784	HGC_27con	HGC_27004	NOTEST	0.07304	0	-inf	1
LOC105373300	HGC_27con	HGC_27004	NOTEST	0.09273	0	-inf	1
LOC105376671	HGC_27con	HGC_27004	NOTEST	0.09999	0	-inf	1
LOC145845	HGC_27con	HGC_27004	NOTEST	0.01016	0	-inf	1
LOC149950	HGC_27con	HGC_27004	NOTEST	0.03983	0	-inf	1
LOC151484	HGC_27con	HGC_27004	NOTEST	0.01996	0	-inf	1
LOC153910	HGC_27con	HGC_27004	NOTEST	0.01265	0	-inf	1
LOC200772	HGC_27con	HGC_27004	NOTEST	0.01827	0	-inf	1
LOC284344	HGC_27con	HGC_27004	NOTEST	0.01745	0	-inf	1
LOC285626	HGC_27con	HGC_27004	NOTEST	0.02075	0	-inf	1
LOC339166	HGC_27con	HGC_27004	NOTEST	0.07277	0	-inf	1
LOC339298	HGC_27con	HGC_27004	NOTEST	0.02866	0	-inf	1
LOC339874	HGC_27con	HGC_27004	NOTEST	0.01706	0	-inf	1
LOC341056	HGC_27con	HGC_27004	NOTEST	0.01483	0	-inf	1
LOC375196	HGC_27con	HGC_27004	NOTEST	0.10471	0	-inf	1
LOC400685	HGC_27con	HGC_27004	NOTEST	0.03472	0	-inf	1
LOC407835	HGC_27con	HGC_27004	NOTEST	0.02511	0	-inf	1
LOC440117	HGC_27con	HGC_27004	NOTEST	0.0672	0	-inf	1
LOC440700	HGC_27con	HGC_27004	NOTEST	0.03178	0	-inf	1
LOC51145	HGC_27con	HGC_27004	NOTEST	0.07115	0	-inf	1
LOC550113	HGC_27con	HGC_27004	NOTEST	0.01371	0	-inf	1
LOC643339	HGC_27con	HGC_27004	NOTEST	0.06817	0	-inf	1
LOC643355	HGC_27con	HGC_27004	NOTEST	0.01207	0	-inf	1
LOC645752	HGC_27con	HGC_27004	NOTEST	0.00737	0	-inf	1
LPPR1	HGC_27con	HGC_27004	NOTEST	0.0162	0	-inf	1
LRAT	HGC_27con	HGC_27004	NOTEST	0.01348	0	-inf	1
LRRC14B	HGC_27con	HGC_27004	NOTEST	0.15472	0	-inf	1
LRRC2	HGC_27con	HGC_27004	NOTEST	0.00555	0	-inf	1
LRRC3C	HGC_27con	HGC_27004	NOTEST	0.25605	0	-inf	1
LRRC72	HGC_27con	HGC_27004	NOTEST	0.04205	0	-inf	1
LRRN4	HGC_27con	HGC_27004	NOTEST	0.04537	0	-inf	1
LST1	HGC_27con	HGC_27004	NOTEST	0.16072	0	-inf	1
LTB	HGC_27con	HGC_27004	NOTEST	0.05887	0	-inf	1
LTBR	HGC_27con	HGC_27004	NOTEST	0.07169	0	-inf	1
LYG2	HGC_27con	HGC_27004	NOTEST	0.04545	0	-inf	1
LYPD1	HGC_27con	HGC_27004	NOTEST	0.01603	0	-inf	1
LZTS1-AS1	HGC_27con	HGC_27004	NOTEST	0.04213	0	-inf	1
MAGEA5	HGC_27con	HGC_27004	NOTEST	0.00054	0	-inf	1
MAGEL2	HGC_27con	HGC_27004	NOTEST	0.01081	0	-inf	1
MBL1P	HGC_27con	HGC_27004	NOTEST	0.04541	0	-inf	1
MCEMP1	HGC_27con	HGC_27004	NOTEST	0.02458	0	-inf	1
MEI1	HGC_27con	HGC_27004	NOTEST	0.00941	0	-inf	1
METTL11B	HGC_27con	HGC_27004	NOTEST	0.04078	0	-inf	1
METTL21C	HGC_27con	HGC_27004	NOTEST	0.03162	0	-inf	1
MFS6L	HGC_27con	HGC_27004	NOTEST	0.03914	0	-inf	1
MIR671	HGC_27con	HGC_27004	NOTEST	0.31513	0	-inf	1
MORN5	HGC_27con	HGC_27004	NOTEST	0.08672	0	-inf	1
MPZ	HGC_27con	HGC_27004	NOTEST	0.02045	0	-inf	1
MROH5	HGC_27con	HGC_27004	NOTEST	0.0105	0	-inf	1
MROH7	HGC_27con	HGC_27004	NOTEST	0.15354	0	-inf	1
MRVI1	HGC_27con	HGC_27004	NOTEST	0.02011	0	-inf	1
MTL5	HGC_27con	HGC_27004	NOTEST	0.01508	0	-inf	1
MTRNR2L5	HGC_27con	HGC_27004	NOTEST	0.03597	0	-inf	1
MUC17	HGC_27con	HGC_27004	NOTEST	0.00267	0	-inf	1

MUC21	HGC_27con	HGC_27004	NOTEST	0.03105	0	-inf	1
MUSK	HGC_27con	HGC_27004	NOTEST	0.01272	0	-inf	1
MYCNOS	HGC_27con	HGC_27004	NOTEST	0.25599	0	-inf	1
MYL10	HGC_27con	HGC_27004	NOTEST	0.11581	0	-inf	1
MYL4	HGC_27con	HGC_27004	NOTEST	0.05056	0	-inf	1
MYOG	HGC_27con	HGC_27004	NOTEST	0.02663	0	-inf	1
MYOZ1	HGC_27con	HGC_27004	NOTEST	0.04121	0	-inf	1
MYOZ2	HGC_27con	HGC_27004	NOTEST	0.01145	0	-inf	1
MYPN	HGC_27con	HGC_27004	NOTEST	0.00585	0	-inf	1
NAALADL1	HGC_27con	HGC_27004	NOTEST	0.02911	0	-inf	1
NACAP1	HGC_27con	HGC_27004	NOTEST	0.08827	0	-inf	1
NAP1L5	HGC_27con	HGC_27004	NOTEST	0.01452	0	-inf	1
NAPSB	HGC_27con	HGC_27004	NOTEST	0.03175	0	-inf	1
NAT2	HGC_27con	HGC_27004	NOTEST	0.02683	0	-inf	1
NBPF13P	HGC_27con	HGC_27004	NOTEST	0.02407	0	-inf	1
NCCRP1	HGC_27con	HGC_27004	NOTEST	0.05083	0	-inf	1
NCF1	HGC_27con	HGC_27004	NOTEST	0.06016	0	-inf	1
NCMAP	HGC_27con	HGC_27004	NOTEST	0.00865	0	-inf	1
NCOR1P1	HGC_27con	HGC_27004	NOTEST	0.16577	0	-inf	1
NCR3	HGC_27con	HGC_27004	NOTEST	0.16109	0	-inf	1
NCRNA00250	HGC_27con	HGC_27004	NOTEST	0.23993	0	-inf	1
NF1P2	HGC_27con	HGC_27004	NOTEST	0.04417	0	-inf	1
NGF	HGC_27con	HGC_27004	NOTEST	0.08471	0	-inf	1
NHEG1	HGC_27con	HGC_27004	NOTEST	0.03391	0	-inf	1
NIM1K	HGC_27con	HGC_27004	NOTEST	0.05103	0	-inf	1
NKAIN3	HGC_27con	HGC_27004	NOTEST	0.0207	0	-inf	1
NLRX1	HGC_27con	HGC_27004	NOTEST	0.02308	0	-inf	1
NMBR	HGC_27con	HGC_27004	NOTEST	0.03529	0	-inf	1
NMNAT3	HGC_27con	HGC_27004	NOTEST	0.03795	0	-inf	1
NNMT	HGC_27con	HGC_27004	NOTEST	0.04425	0	-inf	1
NOX4	HGC_27con	HGC_27004	NOTEST	0.0084	0	-inf	1
NRADDP	HGC_27con	HGC_27004	NOTEST	0.07402	0	-inf	1
NT5C1B	HGC_27con	HGC_27004	NOTEST	0.05431	0	-inf	1
NTRK3	HGC_27con	HGC_27004	NOTEST	0.02658	0	-inf	1
NTSR1	HGC_27con	HGC_27004	NOTEST	0.1399	0	-inf	1
NUCB1-AS1	HGC_27con	HGC_27004	NOTEST	0.10839	0	-inf	1
NUTM2F	HGC_27con	HGC_27004	NOTEST	0.05455	0	-inf	1
NXNL1	HGC_27con	HGC_27004	NOTEST	0.05831	0	-inf	1
OAS2	HGC_27con	HGC_27004	NOTEST	0.01402	0	-inf	1
OLR1	HGC_27con	HGC_27004	NOTEST	0.04186	0	-inf	1
OPRK1	HGC_27con	HGC_27004	NOTEST	0.02194	0	-inf	1
OR10A2	HGC_27con	HGC_27004	NOTEST	0.07345	0	-inf	1
OR1E2	HGC_27con	HGC_27004	NOTEST	0.07317	0	-inf	1
OR1J1	HGC_27con	HGC_27004	NOTEST	0.0744	0	-inf	1
OR1K1	HGC_27con	HGC_27004	NOTEST	0.07902	0	-inf	1
OR2AG2	HGC_27con	HGC_27004	NOTEST	0.15433	0	-inf	1
OR2L13	HGC_27con	HGC_27004	NOTEST	0.02765	0	-inf	1
OR2L1P	HGC_27con	HGC_27004	NOTEST	0.06399	0	-inf	1
OR2S2	HGC_27con	HGC_27004	NOTEST	0.04924	0	-inf	1
OR2V1	HGC_27con	HGC_27004	NOTEST	0.18993	0	-inf	1
OR4N4	HGC_27con	HGC_27004	NOTEST	0.02978	0	-inf	1
OR52H1	HGC_27con	HGC_27004	NOTEST	0.06805	0	-inf	1
OR5K2	HGC_27con	HGC_27004	NOTEST	0.10807	0	-inf	1
OR6A2	HGC_27con	HGC_27004	NOTEST	0.03706	0	-inf	1

OR7E91P	HGC_27con	HGC_27004	NOTEST	0.0427	0	-inf	1
OR8B4	HGC_27con	HGC_27004	NOTEST	0.28201	0	-inf	1
OVCH1	HGC_27con	HGC_27004	NOTEST	0.00842	0	-inf	1
OVOL1-AS1	HGC_27con	HGC_27004	NOTEST	0.09823	0	-inf	1
PABPN1L	HGC_27con	HGC_27004	NOTEST	0.02482	0	-inf	1
PADI2	HGC_27con	HGC_27004	NOTEST	0.00821	0	-inf	1
PAK7	HGC_27con	HGC_27004	NOTEST	0.02764	0	-inf	1
PANDAR	HGC_27con	HGC_27004	NOTEST	0.06383	0	-inf	1
PAPPA2	HGC_27con	HGC_27004	NOTEST	0.00646	0	-inf	1
PAX8	HGC_27con	HGC_27004	NOTEST	0.00919	0	-inf	1
PCA3	HGC_27con	HGC_27004	NOTEST	0.01006	0	-inf	1
PCCA-AS1	HGC_27con	HGC_27004	NOTEST	0.10082	0	-inf	1
PCP2	HGC_27con	HGC_27004	NOTEST	0.09443	0	-inf	1
PDC	HGC_27con	HGC_27004	NOTEST	0.02406	0	-inf	1
PDCD1LG2	HGC_27con	HGC_27004	NOTEST	0.04376	0	-inf	1
PDE4B	HGC_27con	HGC_27004	NOTEST	0.00817	0	-inf	1
PDX1	HGC_27con	HGC_27004	NOTEST	0.01947	0	-inf	1
PDZD3	HGC_27con	HGC_27004	NOTEST	0.0491	0	-inf	1
PDZK1IP1	HGC_27con	HGC_27004	NOTEST	0.04947	0	-inf	1
PDZRN4	HGC_27con	HGC_27004	NOTEST	0.00753	0	-inf	1
PGAM1P5	HGC_27con	HGC_27004	NOTEST	0.01555	0	-inf	1
PGM5P4-AS1	HGC_27con	HGC_27004	NOTEST	0.10029	0	-inf	1
PHOX2A	HGC_27con	HGC_27004	NOTEST	0.04462	0	-inf	1
PIK3AP1	HGC_27con	HGC_27004	NOTEST	0.00647	0	-inf	1
PIN1P1	HGC_27con	HGC_27004	NOTEST	0.07601	0	-inf	1
PKD1L1	HGC_27con	HGC_27004	NOTEST	0.00372	0	-inf	1
PKD2L2	HGC_27con	HGC_27004	NOTEST	0.06139	0	-inf	1
PKHD1	HGC_27con	HGC_27004	NOTEST	0.00382	0	-inf	1
PKHD1L1	HGC_27con	HGC_27004	NOTEST	0.00206	0	-inf	1
PKP1	HGC_27con	HGC_27004	NOTEST	0.00607	0	-inf	1
PKP3	HGC_27con	HGC_27004	NOTEST	0.03218	0	-inf	1
PLA2G4E-AS1	HGC_27con	HGC_27004	NOTEST	0.01471	0	-inf	1
PLAC9	HGC_27con	HGC_27004	NOTEST	0.09273	0	-inf	1
PLB1	HGC_27con	HGC_27004	NOTEST	0.03544	0	-inf	1
PLEK2	HGC_27con	HGC_27004	NOTEST	0.0441	0	-inf	1
PMCHL2	HGC_27con	HGC_27004	NOTEST	0.03966	0	-inf	1
PNMAL2	HGC_27con	HGC_27004	NOTEST	0.00699	0	-inf	1
POM121L2	HGC_27con	HGC_27004	NOTEST	0.01193	0	-inf	1
POPDC3	HGC_27con	HGC_27004	NOTEST	0.02349	0	-inf	1
POU2F3	HGC_27con	HGC_27004	NOTEST	0.02311	0	-inf	1
POU5F1P5	HGC_27con	HGC_27004	NOTEST	0.04234	0	-inf	1
PPP1R14D	HGC_27con	HGC_27004	NOTEST	0.0512	0	-inf	1
PPP1R42	HGC_27con	HGC_27004	NOTEST	0.06618	0	-inf	1
PPP2R2B	HGC_27con	HGC_27004	NOTEST	0.01466	0	-inf	1
PRAMEF12	HGC_27con	HGC_27004	NOTEST	0.02066	0	-inf	1
PRB3	HGC_27con	HGC_27004	NOTEST	0.02658	0	-inf	1
PRICKLE2-AS1	HGC_27con	HGC_27004	NOTEST	0.00477	0	-inf	1
PRICKLE2-AS2	HGC_27con	HGC_27004	NOTEST	0.04924	0	-inf	1
PRKCDBP	HGC_27con	HGC_27004	NOTEST	0.04828	0	-inf	1
PROSER2-AS1	HGC_27con	HGC_27004	NOTEST	0.01096	0	-inf	1
PROX1-AS1	HGC_27con	HGC_27004	NOTEST	0.02297	0	-inf	1
PRPS1L1	HGC_27con	HGC_27004	NOTEST	0.09856	0	-inf	1
PRR18	HGC_27con	HGC_27004	NOTEST	0.02022	0	-inf	1
PRRG3	HGC_27con	HGC_27004	NOTEST	0.02767	0	-inf	1

PRSS42	HGC_27con	HGC_27004	NOTEST	0.04406	0	-inf	1
PSMB11	HGC_27con	HGC_27004	NOTEST	0.02417	0	-inf	1
PSORS1C2	HGC_27con	HGC_27004	NOTEST	0.0793	0	-inf	1
PTPN22	HGC_27con	HGC_27004	NOTEST	0.00902	0	-inf	1
PTPRB	HGC_27con	HGC_27004	NOTEST	0.00301	0	-inf	1
PTPRC	HGC_27con	HGC_27004	NOTEST	0.00562	0	-inf	1
PXT1	HGC_27con	HGC_27004	NOTEST	0.01633	0	-inf	1
RAB19	HGC_27con	HGC_27004	NOTEST	0.07525	0	-inf	1
RAB6C-AS1	HGC_27con	HGC_27004	NOTEST	0.04901	0	-inf	1
RACGAP1P	HGC_27con	HGC_27004	NOTEST	0.0104	0	-inf	1
RAG2	HGC_27con	HGC_27004	NOTEST	0.01268	0	-inf	1
RAPGEF4-AS1	HGC_27con	HGC_27004	NOTEST	0.01386	0	-inf	1
RASAL1	HGC_27con	HGC_27004	NOTEST	0.0294	0	-inf	1
RASGEF1B	HGC_27con	HGC_27004	NOTEST	0.0118	0	-inf	1
RASGRP4	HGC_27con	HGC_27004	NOTEST	0.06112	0	-inf	1
RASSF10	HGC_27con	HGC_27004	NOTEST	0.01531	0	-inf	1
RBMXL3	HGC_27con	HGC_27004	NOTEST	0.01093	0	-inf	1
RCAN2	HGC_27con	HGC_27004	NOTEST	0.01054	0	-inf	1
RHOJ	HGC_27con	HGC_27004	NOTEST	0.00902	0	-inf	1
RHOXF1	HGC_27con	HGC_27004	NOTEST	0.17647	0	-inf	1
RIMBP2	HGC_27con	HGC_27004	NOTEST	0.01563	0	-inf	1
RIPK4	HGC_27con	HGC_27004	NOTEST	0.02974	0	-inf	1
RIPPLY3	HGC_27con	HGC_27004	NOTEST	0.07271	0	-inf	1
RNASE7	HGC_27con	HGC_27004	NOTEST	0.02525	0	-inf	1
RNF103-CHMP3	HGC_27con	HGC_27004	NOTEST	0.1806	0	-inf	1
RNF223	HGC_27con	HGC_27004	NOTEST	0.05693	0	-inf	1
RORB-AS1	HGC_27con	HGC_27004	NOTEST	0.06898	0	-inf	1
RPEL1	HGC_27con	HGC_27004	NOTEST	0.0167	0	-inf	1
RPH3A	HGC_27con	HGC_27004	NOTEST	0.00683	0	-inf	1
RPL23AP32	HGC_27con	HGC_27004	NOTEST	0.05781	0	-inf	1
RSPH10B	HGC_27con	HGC_27004	NOTEST	0.00876	0	-inf	1
RTP4	HGC_27con	HGC_27004	NOTEST	0.03676	0	-inf	1
S100A14	HGC_27con	HGC_27004	NOTEST	0.19552	0	-inf	1
S100A8	HGC_27con	HGC_27004	NOTEST	0.19329	0	-inf	1
S100A9	HGC_27con	HGC_27004	NOTEST	0.06652	0	-inf	1
S1PR4	HGC_27con	HGC_27004	NOTEST	0.04061	0	-inf	1
SAA2	HGC_27con	HGC_27004	NOTEST	0.07337	0	-inf	1
SAA2-SAA4	HGC_27con	HGC_27004	NOTEST	2.3E-06	0	-inf	1
SBK2	HGC_27con	HGC_27004	NOTEST	0.06228	0	-inf	1
SCG3	HGC_27con	HGC_27004	NOTEST	0.00823	0	-inf	1
SDR9C7	HGC_27con	HGC_27004	NOTEST	0.01916	0	-inf	1
SEC14L5	HGC_27con	HGC_27004	NOTEST	0.01091	0	-inf	1
SERPINA1	HGC_27con	HGC_27004	NOTEST	0.0327	0	-inf	1
SERPINA3	HGC_27con	HGC_27004	NOTEST	0.04209	0	-inf	1
SERPINC1	HGC_27con	HGC_27004	NOTEST	0.08426	0	-inf	1
SEZ6	HGC_27con	HGC_27004	NOTEST	0.02812	0	-inf	1
SEZ6L	HGC_27con	HGC_27004	NOTEST	0.01051	0	-inf	1
SFTA1P	HGC_27con	HGC_27004	NOTEST	0.03868	0	-inf	1
SGIP1	HGC_27con	HGC_27004	NOTEST	0.00354	0	-inf	1
SHANK2-AS1	HGC_27con	HGC_27004	NOTEST	0.01227	0	-inf	1
SHD	HGC_27con	HGC_27004	NOTEST	0.12179	0	-inf	1
SHH	HGC_27con	HGC_27004	NOTEST	0.03175	0	-inf	1
SHROOM2	HGC_27con	HGC_27004	NOTEST	0.01917	0	-inf	1
SIGLEC11	HGC_27con	HGC_27004	NOTEST	0.02258	0	-inf	1

SIRPB2	HGC_27con	HGC_27004	NOTEST	0.01404	0	-inf	1
SIX6	HGC_27con	HGC_27004	NOTEST	0.02875	0	-inf	1
SKAP1	HGC_27con	HGC_27004	NOTEST	0.01565	0	-inf	1
SLA2	HGC_27con	HGC_27004	NOTEST	0.014	0	-inf	1
SLC12A3	HGC_27con	HGC_27004	NOTEST	0.01178	0	-inf	1
SLC14A1	HGC_27con	HGC_27004	NOTEST	0.00816	0	-inf	1
SLC25A48	HGC_27con	HGC_27004	NOTEST	0.18148	0	-inf	1
SLC35D3	HGC_27con	HGC_27004	NOTEST	0.03507	0	-inf	1
SLC35F4	HGC_27con	HGC_27004	NOTEST	0.02395	0	-inf	1
SLC4A1	HGC_27con	HGC_27004	NOTEST	0.02605	0	-inf	1
SLPI	HGC_27con	HGC_27004	NOTEST	0.14706	0	-inf	1
SMIM18	HGC_27con	HGC_27004	NOTEST	0.04574	0	-inf	1
SMLR1	HGC_27con	HGC_27004	NOTEST	0.01385	0	-inf	1
SMYD1	HGC_27con	HGC_27004	NOTEST	0.00782	0	-inf	1
SNAP25-AS1	HGC_27con	HGC_27004	NOTEST	0.04093	0	-inf	1
SNCB	HGC_27con	HGC_27004	NOTEST	0.03313	0	-inf	1
SNHG22	HGC_27con	HGC_27004	NOTEST	0.01938	0	-inf	1
SORBS2	HGC_27con	HGC_27004	NOTEST	0.01503	0	-inf	1
SORCS1	HGC_27con	HGC_27004	NOTEST	0.00434	0	-inf	1
SOWAHA	HGC_27con	HGC_27004	NOTEST	0.06149	0	-inf	1
SOWAHD	HGC_27con	HGC_27004	NOTEST	0.06133	0	-inf	1
SOX2-OT	HGC_27con	HGC_27004	NOTEST	0.03978	0	-inf	1
SPANXA2-OT1	HGC_27con	HGC_27004	NOTEST	0.02223	0	-inf	1
SPATA17-AS1	HGC_27con	HGC_27004	NOTEST	0.14335	0	-inf	1
SPINK1	HGC_27con	HGC_27004	NOTEST	0.15409	0	-inf	1
SPNS3	HGC_27con	HGC_27004	NOTEST	0.02587	0	-inf	1
SPRY3	HGC_27con	HGC_27004	NOTEST	0.00738	0	-inf	1
SRD5A2	HGC_27con	HGC_27004	NOTEST	0.01536	0	-inf	1
ST20-MTHFS	HGC_27con	HGC_27004	NOTEST	0.22869	0	-inf	1
ST3GAL5-AS1	HGC_27con	HGC_27004	NOTEST	0.1109	0	-inf	1
STARD6	HGC_27con	HGC_27004	NOTEST	0.06958	0	-inf	1
STATH	HGC_27con	HGC_27004	NOTEST	0.1082	0	-inf	1
STEAP4	HGC_27con	HGC_27004	NOTEST	0.00895	0	-inf	1
STRA8	HGC_27con	HGC_27004	NOTEST	0.04275	0	-inf	1
SUCNR1	HGC_27con	HGC_27004	NOTEST	0.02409	0	-inf	1
SYT13	HGC_27con	HGC_27004	NOTEST	0.0067	0	-inf	1
TAC4	HGC_27con	HGC_27004	NOTEST	0.14549	0	-inf	1
TACSTD2	HGC_27con	HGC_27004	NOTEST	0.04281	0	-inf	1
TAS2R50	HGC_27con	HGC_27004	NOTEST	0.08042	0	-inf	1
TAT	HGC_27con	HGC_27004	NOTEST	0.01302	0	-inf	1
TBX21	HGC_27con	HGC_27004	NOTEST	0.01471	0	-inf	1
TDRD6	HGC_27con	HGC_27004	NOTEST	0.00334	0	-inf	1
TFF1	HGC_27con	HGC_27004	NOTEST	0.13186	0	-inf	1
TGFBI	HGC_27con	HGC_27004	NOTEST	0.01235	0	-inf	1
TGM2	HGC_27con	HGC_27004	NOTEST	0.02543	0	-inf	1
THCAT158	HGC_27con	HGC_27004	NOTEST	0.08523	0	-inf	1
THSD7B	HGC_27con	HGC_27004	NOTEST	0.00493	0	-inf	1
TKTL1	HGC_27con	HGC_27004	NOTEST	0.01411	0	-inf	1
TLX3	HGC_27con	HGC_27004	NOTEST	0.04756	0	-inf	1
TM4SF20	HGC_27con	HGC_27004	NOTEST	0.01495	0	-inf	1
TMC3	HGC_27con	HGC_27004	NOTEST	0.01893	0	-inf	1
TMCO4	HGC_27con	HGC_27004	NOTEST	0.01105	0	-inf	1
TMCO5B	HGC_27con	HGC_27004	NOTEST	0.02532	0	-inf	1
TMEM130	HGC_27con	HGC_27004	NOTEST	0.0273	0	-inf	1

TMEM154	HGC_27con	HGC_27004	NOTEST	0.0103	0	-inf	1
TMEM191C	HGC_27con	HGC_27004	NOTEST	0.03928	0	-inf	1
TMEM217	HGC_27con	HGC_27004	NOTEST	0.19809	0	-inf	1
TMEM235	HGC_27con	HGC_27004	NOTEST	0.01895	0	-inf	1
TMEM88B	HGC_27con	HGC_27004	NOTEST	0.12076	0	-inf	1
TMEM89	HGC_27con	HGC_27004	NOTEST	0.14302	0	-inf	1
TMPRSS13	HGC_27con	HGC_27004	NOTEST	0.02271	0	-inf	1
TMPRSS3	HGC_27con	HGC_27004	NOTEST	0.26288	0	-inf	1
TNF	HGC_27con	HGC_27004	NOTEST	0.02246	0	-inf	1
TNFRSF10D	HGC_27con	HGC_27004	NOTEST	0.02035	0	-inf	1
TNFRSF11B	HGC_27con	HGC_27004	NOTEST	0.02928	0	-inf	1
TNFRSF17	HGC_27con	HGC_27004	NOTEST	0.13032	0	-inf	1
TNFRSF4	HGC_27con	HGC_27004	NOTEST	0.13652	0	-inf	1
TNFRSF8	HGC_27con	HGC_27004	NOTEST	0.01033	0	-inf	1
TNIP3	HGC_27con	HGC_27004	NOTEST	0.03201	0	-inf	1
TNKS2-AS1	HGC_27con	HGC_27004	NOTEST	0.12067	0	-inf	1
TNNT2	HGC_27con	HGC_27004	NOTEST	0.1179	0	-inf	1
TNRC18P1	HGC_27con	HGC_27004	NOTEST	0.01641	0	-inf	1
TPH2	HGC_27con	HGC_27004	NOTEST	0.0143	0	-inf	1
TPI1P3	HGC_27con	HGC_27004	NOTEST	0.02639	0	-inf	1
TPO	HGC_27con	HGC_27004	NOTEST	0.0261	0	-inf	1
TPSB2	HGC_27con	HGC_27004	NOTEST	0.04089	0	-inf	1
TRDN	HGC_27con	HGC_27004	NOTEST	0.00763	0	-inf	1
TREH	HGC_27con	HGC_27004	NOTEST	0.01992	0	-inf	1
TREML3P	HGC_27con	HGC_27004	NOTEST	0.03973	0	-inf	1
TRIM63	HGC_27con	HGC_27004	NOTEST	0.03004	0	-inf	1
TRPC5	HGC_27con	HGC_27004	NOTEST	0.00565	0	-inf	1
TRPM5	HGC_27con	HGC_27004	NOTEST	0.07324	0	-inf	1
TRPM8	HGC_27con	HGC_27004	NOTEST	0.01116	0	-inf	1
TSGA10IP	HGC_27con	HGC_27004	NOTEST	0.10827	0	-inf	1
TSPYL6	HGC_27con	HGC_27004	NOTEST	0.02231	0	-inf	1
TTC22	HGC_27con	HGC_27004	NOTEST	0.05041	0	-inf	1
TTC9B	HGC_27con	HGC_27004	NOTEST	0.08715	0	-inf	1
TYROBP	HGC_27con	HGC_27004	NOTEST	0.23627	0	-inf	1
UBE2MP1	HGC_27con	HGC_27004	NOTEST	0.0363	0	-inf	1
UCHL1	HGC_27con	HGC_27004	NOTEST	0.03571	0	-inf	1
UCN2	HGC_27con	HGC_27004	NOTEST	0.0278	0	-inf	1
UGT1A8	HGC_27con	HGC_27004	NOTEST	0.0404	0	-inf	1
UNC5B-AS1	HGC_27con	HGC_27004	NOTEST	0.13399	0	-inf	1
UPB1	HGC_27con	HGC_27004	NOTEST	0.01498	0	-inf	1
USP12-AS2	HGC_27con	HGC_27004	NOTEST	0.07035	0	-inf	1
UTS2	HGC_27con	HGC_27004	NOTEST	0.07762	0	-inf	1
VEPH1	HGC_27con	HGC_27004	NOTEST	0.0068	0	-inf	1
VN1R4	HGC_27con	HGC_27004	NOTEST	0.04921	0	-inf	1
VWA3B	HGC_27con	HGC_27004	NOTEST	0.00599	0	-inf	1
VWF	HGC_27con	HGC_27004	NOTEST	0.0112	0	-inf	1
WDR49	HGC_27con	HGC_27004	NOTEST	0.01085	0	-inf	1
WFIKKN2	HGC_27con	HGC_27004	NOTEST	0.00906	0	-inf	1
WIF1	HGC_27con	HGC_27004	NOTEST	0.05244	0	-inf	1
WIPF3	HGC_27con	HGC_27004	NOTEST	0.00851	0	-inf	1
WTAPP1	HGC_27con	HGC_27004	NOTEST	0.02422	0	-inf	1
XKRX	HGC_27con	HGC_27004	NOTEST	0.03949	0	-inf	1
YBX3P1	HGC_27con	HGC_27004	NOTEST	0.01774	0	-inf	1
YWHAEP1	HGC_27con	HGC_27004	NOTEST	0.01532	0	-inf	1

ZBTB46-AS1	HGC_27con	HGC_27004	NOTEST	0.03148	0	-inf	1
ZDHHC15	HGC_27con	HGC_27004	NOTEST	0.01738	0	-inf	1
ZFPM2-AS1	HGC_27con	HGC_27004	NOTEST	0.03185	0	-inf	1
ZMAT4	HGC_27con	HGC_27004	NOTEST	0.01524	0	-inf	1
ZNF350-AS1	HGC_27con	HGC_27004	NOTEST	0.08433	0	-inf	1
ZNF705A	HGC_27con	HGC_27004	NOTEST	0.00853	0	-inf	1
ZNF705D	HGC_27con	HGC_27004	NOTEST	0.00798	0	-inf	1
ZNF728	HGC_27con	HGC_27004	NOTEST	0.0096	0	-inf	1
ZNF781	HGC_27con	HGC_27004	NOTEST	0.00911	0	-inf	1
ZNF804B	HGC_27con	HGC_27004	NOTEST	0.00622	0	-inf	1
ZNF806	HGC_27con	HGC_27004	NOTEST	0.01418	0	-inf	1
ZNF816-ZNF321P	HGC_27con	HGC_27004	NOTEST	0.11305	0	-inf	1
ZNF836	HGC_27con	HGC_27004	NOTEST	0.03371	0	-inf	1
ZSCAN10	HGC_27con	HGC_27004	NOTEST	0.07238	0	-inf	1
